OUTCOME BUDGET FOR 2016-17

CONTENTS

Sl. No.	Chapter No.	Subject	Pages No.
1		Executive Summary	1
2	I	Introduction	3
3	II	Statement of Budget Estimate· ■ Annexure II-A Non-Plan Outcome Budget for 2016-17· ■ Annexure II-B Plan Outcome Budget for 2016-17	13
4	III	Reform Measures and Policy Initiatives	111
5	IV	Review of Past Performance ■ Statement – I Physical and Financial Progress of Projects Costing upto Rs.100 crore ■ Statement – II Physical and Financial Progress of Projects Costing Rs.100 crore and above	117
6	V	Financial Review ■ Statement I Non Plan Budget for 2014-15, 2015-16 (BE, RE & Actual Expenditure) and 2016-17 (BE) ■ Statement II Part-A Annual Plan Outlay 2014-15, Actual Expenditure 2015-16 (BE, RE & Actual Expenditure) and 2016-17 (BE) for each programme/activities of PSUs. ■ Statement II Part-B Budget Estimates for 2016-17 and Financing Pattern thereof ■ Statement II Part-C Sector-wise Plan Outlays	194
7	VI	Review of Performance of Statutory and Autonomous Bodies	258
8		Abbreviations	447

EXECUTIVE SUMMARY

The Outcome Budget document for 2016-17 contains, in detail, the physical dimensions of financial outlays indicating the actual performance in 2014-15, performance in the first 9 months of 2015-16 and the targets for performance during 2016-17. It also dwells upon the mandate, goals & objectives, the policy framework for the sector as well as the various policy initiatives and reform measures taken by the Ministry.

2. To implement the Vision statement, as envisaged in the document "Hydrocarbon Vision 2025", activity-wise set of objectives have been spelt out along with the policy framework in place. Further, major programmes / schemes have been explained.

3. Chapter II deals with the Non-plan and Plan outlays and outcomes of MOPNG. The Non Plan Budget (2016-17) of Rs. 27110.62 crore of the Ministry comprises mainly of "Subsidy on LPG" and "Kerosene Subsidy". DBTL for LPG, other subsidy payable including for NE region for LPG, Project Management Expenditure on DBT for LPG, DBT for Kerosene, payment of differential royalty to State and cash incentive to States /UTs for Kerosene distribution reforms, other subsidy payable including NE region for Kerosene. Provision for Petroleum Regulatory Board and Society for Petroleum Laboratory.

4. The size of the Annual Plan 2016-17 of Oil PSUs is Rs. 87214.56 crore. This predominantly comprises the Internal and Extra Budgetary Resources (IEBR) of Oil PSUs for implementation of projects. Budgetary support has been provided for the Rajiv Gandhi Institute of Petroleum Technology (RGIPT), at Jais in Uttar Pradesh for development of infrastructure in the campus, the Indian Strategic Petroleum Reserves Limited (ISPRL) for filling the underground caverns for strategic storage of crude oil and scheme for LPG connection to poor households. A token provision has been made for setting-up of Petroleum University in Andhra Pradesh and ISPRL Phase-II (construction of cavern). The company and project wise details, in the prescribed format, in respect of Oil PSUs have been given in the chapter.

5. Chapter III gives details of reform measures and policy initiatives of the Ministry of Petroleum and Natural Gas.

6. Chapter IV contains details of the capital expenditure under "Plan" for various projects under implementation by the Oil PSUs. There are nine Public Sector Undertakings in which government has equity shareholding. These are ONGC, OIL, GAIL, IOC, HPCL, BPCL, EIL, Biecco Lawrie and Balmer Lawrie Investments Ltd. Balmer Lawrie Investments Ltd is a holding company of Balmer Lawrie Ltd. The chapter contains statements containing details of physical and financial progress of various projects. These projects broadly relate to Improved Oil Recovery Schemes of ONGC, enhancement of pipeline network in the country by GAIL, setting up of infrastructure facilities by Oil India Ltd. (OIL), acquisition of exploration acreages abroad by OVL, establishment and augmentation of refineries, settingup of bottling plants by OMCs etc. There are major projects costing Rs. 100 crore or more. Completion of these projects will enhance production of crude oil and natural gas and increase pipeline network in the country. Out of these 115 projects, ONGC and IOCL have 26 projects each, followed by OVL(24) GAIL(11), HPCL(7), BPCL(7), MRPL(5),OIL(4), CPCL(3), NRL(2).

7. Chapter V is on financial review of the programmes/ activities of MoPNG over the last two years. Unspent balance as at end of 2014-15 is Rs. 2.02 Crore, where as unspent balance at end of 2015-16 (April - December, 2015) amounted to Rs. _ crore in respect of non-plan budget. No utilization certificate is overdue from grantee institutions as on 31.12.2015. No amount was released to States / UTs during the year 2015-16 (April - December, 2015) under the incentive scheme for establishment of institutional mechanism for Direct Transfer of Cash Subsidy on PDS Kerosene.

8. Chapter VI reviews performance of statutory and autonomous bodies and Oil PSUs, engaged in various activities, such as, exploration and production of oil and gas, transportation of gas, refining and marketing of petroleum products, etc. The autonomous organizations are CHT, OISD, PCRA, OIDB, DGH, PNGRB, PPAC and RGIPT.

9. Oil PSUs have taken up various Gender Budgeting initiatives as well as Corporate Social Responsibility projects in their operating and project areas. They have undertaken various developmental measures, such as, training and capacity building of its women employees as well as social and community development programmes benefiting women and weaker sections of the society.

CHAPTER – I

Mandate, Vision, Goals & Objectives and Policy Framework

1.1 Mandate

The mandate of this Ministry in terms of the Government of India (Allocation of Business) Rules, 1961 include the following:

a) Exploration for, and exploitation of petroleum resources including natural gas and coal bed methane.

b) Production, supply, distribution, marketing and pricing of petroleum products including natural gas, and also additives for petroleum and petroleum products.

c) Planning, development and regulation of oilfield services.

d) Administration of Acts, viz, The Oilfields (Regulation and Development) Act, 1948, the Oil and Natural Gas Commission (Transfer of Undertaking and Repeal) Act 1993, the Petroleum Pipelines (Acquisition of Right of User in Land) Act, 1962, the Esso (Acquisition of Undertakings in India) Act, 1974, the Oil Industry (Development) Act 1974, the Burmah-Shell (Acquisition of Undertakings in India) Act, 1976, the Petroleum Act, 1934.

(e) Administration of the Balmer Lawrie Investments Limited and Balmer Lawrie and Company Limited, and the Rules made therein.

f) Oil refineries, including Lube Plants.

g) Blending and blending prescription for bio-fuels including laying down the standards for such blending; and

h) Marketing, distribution and retailing of bio-fuels and its blended products.

1.2 Vision Statement

The Hydrocarbon sector plays a vital role in the economic growth of the country. It is necessary to have a long term policy framework for the development of the hydrocarbon sector in order to meet the future needs of the country. The Hydrocarbon Vision-2025, prepared by this Ministry lays down the framework, which

guides the policies relating to the hydrocarbon sector. The Vision Statement as envisaged in the Hydrocarbon Vision 2025 includes the following:

a) To assure energy security by achieving self-reliance not only through increased indigenous production but also through acquisition of equity oil and gas abroad.

b) To enhance the quality of life by progressively improving the product standards to ensure a cleaner and greener India.

c) To develop the domestic hydrocarbon sector as a globally competitive industry which could be benchmarked against the best in the world through up gradation and capacity building in all facets of the industry.

d) To strive towards a free market, promote healthy competition among players and improve the customer service.

e) To ensure oil security for the country keeping in views the strategic and defence considerations..

1. 3 Goal & Objectives and Policy Framework

To implement the Vision statement, an activity-wise set of objectives have been spelt out along with the policy framework in place & announced to enable achievement of these objectives.

1.3.1.1 Exploration and Production (E & P)

India is dependent on import for its oil and gas requirements. The gap between demand and availability of crude oil and natural gas from indigenous sources is likely to increase over the years. For bridging this growing gap, a greater emphasis is required on exploration and production.

1.3.1.2 Objectives

a) To undertake a complete appraisal of the Indian sedimentary basin area for tapping the hydrocarbon potential.

b) To optimize production of crude oil and natural gas in the most efficient manner.

c) To keep pace with the technological advancements and remain at the technological forefront in the global exploration and production industry.

d) To achieve a near zero impact on environment.

1.3.1.3 Policy Framework to Achieve Exploration and Production Objectives

a) Under New Exploration Licensing Policy (NELP). Government has so far awarded and signed Production Sharing Contract (PSC) for 254 exploration blocks in 9 rounds. With a view to accelerate further the pace of exploration, 54 exploration blocks have been identified for offering to E&P companies in the tenth round of NELP.

b) The Oilfields (Regulation and Development) Act, 1948 and the Petroleum and Natural Gas Rules, 1959, made thereunder make provisions, inter alia, for the regulation of Petroleum Operations and grant of Licenses and Leases for exploration, development and production of Petroleum in India.

c) The Territorial Waters, Continental Shelf, Exclusive Economic Zone and other Maritime Zones Act, 1976 provides for the grant of a license by the Government to explore and exploit the resources of the continental shelf and exclusive economic zone and any Petroleum Operation under this shall be carried out under a license granted by the Central Government.

d) 100% FDI is allowed in Exploration and Production Sector for blocks awarded under NELP.

e) R&D efforts for gas hydrates are being made as per the road map.

f) Coal Bed Methane Policy - In order to harness the Coal Bed Methane (CBM) potential in the country, Government of India formulated a CBM Policy in year 1997 and implemented in 2000. The Policy has provided a level playing field for exploration and commercial exploitation of CBM by national and international companies. So far, 33 CBM blocks have been awarded. Out of 33 blocks, 30 CBM blocks have been awarded in the first four rounds of CBM, two CBM blocks have been awarded on nomination basis and one through the Foreign Investment Promotion Board (FIPB) route.

g) Shale oil & gas Policy - The Government has, on 14.10.2013, notified the policy guidelines for exploration and exploitation of shale gas and oil by National Oil Companies (NOCs) in their on-land Petroleum Exploration Lease (PEL) / Petroleum Mining Lease (PML) blocks awarded under the nomination regimes. As per the policy, the NOCs will undertake a mandatory minimum work programme in a fixed time frame for shale gas and oil exploration and exploitation, so that there

is optimum accretion and development of shale gas and oil resources. Under the first phase of assessment of shale gas and oil, exploration and exploitation, at present, 56 PEL/PML blocks (ONGC 50, and OIL - 6) have been identified by NOCs. These blocks are located in the states of Assam (7 blocks), Arunachal Pradesh (1 block), Gujarat (28 blocks), Rajasthan (1 block), Andhra Pradesh (10 blocks) and Tamil Nadu (9 blocks).

h) A policy for acquisition of Geo-Scientific Data through a non-exclusive multi-client model is being implemented. This model replaces the earlier fiscal term of profit sharing after cost recovery with the payment of one time project free. One time project fee of $10000 would be paid by the Service Provider. Period of Survey under the agreement would be 2 years, with a provision for one extension for maximum one year. The service provider will have the license to sell the data for a period of 10 years. Till now, 7 proposals for seismic data acquisition of about 107386 line kilometer in offshore areas have been received by DGH.

i) GOI will explore the possibility of using modern technology to revive old or closed, wells to optimize production from such fields.

j) Marginal Fields Policy (MFP) for development o hydrocarbon discoveries made by ONGC and OIL. These discoveries could not be monetized for many years due to various reasons such as isolated locations, small size of reserves, high development costs, technological constraints, fiscal regime etc. Under the new policy, 69 oil fields which have been held by ONGC and OIL for many years, but have not been exploited, will be opened for competitive bidding. Significant changes have been made in the design of the proposed contracts. The earlier contracts were based on the concept of profit sharing. Under the new regime, the Government will not be concerned with the cost incurred and will receive a share of the gross revenue from the sale of oil, gas etc. The second change is that the licence granted to the successful bidder will cover all hydrocarbons found in the field. The new policy for these marginal fields also allows the successful bidder to sell at the prevailing market price of gas, rather than at an administered price.

1.3.2 Oil Security

With increasing import dependence in the field of hydrocarbons, particularly in respect of crude oil, whose prices are highly volatile in the international markets, the issue of oil security has assumed vital importance.

1.3.2.1 Objectives of Oil Security Policy

Ensure availability of oil and gas at all times including enhancing domestic hydrocarbon availability, supplementing shortfalls from stable, assured and cost effective hydrocarbon energy from abroad and mitigating short term supply disruptions.

1.3.2.2 Policy Framework to Achieve Oil Security Objectives

(a) Enhance domestic availability of hydrocarbons through NELP, Shale Oil and Gas policy, speculative survey policy, production from old or closed fields using modern technology.

(b) Deregulation of E&P business, empowering National Oil Companies (NOCs) to compete with international oil companies through suitable incentives.

(c) Leverage India's 'Buying Power' to obtain quality E&P projects abroad. Focused approach in building strong and strategic relations with countries offering E&P projects and countries having potential to partner India in meeting its hydrocarbon needs.

(d) Build strategic storage to mitigate short term supply disruptions. The GOI has decided to set up about 5 .33 million metric tons (MMT) strategic crude oil storages at three locations namely, Visakhapatnam, Mangalore and Padur. These strategic storages would be in addition to the existing storages of crude oil and petroleum products with the oil companies and would serve as a cushion in response to external supply disruptions. The construction of the proposed strategic storage facilities is being managed by Indian Strategic Petroleum Reserves Limited (ISPRL), a Special Purpose Vehicle.

1.3.3 Natural Gas

Natural gas is emerging as the preferred fuel of the future in view of it being an environmental friendly economically attractive fuel and also a desirable feedstock.

1.3.3.1 Objectives of Natural Gas Policy

a) To encourage use of natural gas, which is relatively a clean fuel.

b) To ensure adequate availability by a mix of domestic gas through pipelines and import of LNG.

c) To tap unconventional sources of natural gas like coal bed methane, natural gas hydrates, underground coal gasification etc.

1.3.3.2 Policy framework to Achieve Natural Gas Utilisation Objectives

a) Timely and continuous review of gas demand and supply options to facilitate policy interventions.

b) Pursuing diplomatic and political initiatives for import of gas from neighbouring and other countries with emphasis on transnational gas pipelines.

c) The usage of PNG will be rapidly scaled up in a Mission mode as it is "clean" and has efficiency of delivery.

d) Govt. intends to complete the gas grid across the country by laying additional 15,000 km of pipelines over and above about 15,000 km of gas pipeline already present in the country. Govt. proposes to develop these pipelines using appropriate PPP models. This will help increase the usage of gas, domestic as well as imported, which, in the long-term will be beneficial in reducing dependence on any one energy sources.

1.3.4 Refinery and Marketing

The development of refining and marketing activities is crucial for achieving self sufficiency in petroleum products and in moving towards a competitive and consumer oriented market.

1.3.4.1 Objectives of Refinery and Marketing

a) Maintain self-sufficiency in all petroleum products by appropriate enhancement in refining capacities by NOCs & private players including international oil companies.

b) Develop export capability in petroleum products so that the refining industry becomes globally competitive and oil security is enhanced.

c) To develop globally competitive industry and to develop corresponding infrastructure including pipelines, depots, etc. for an efficient oil industry.

d) To make available quality fuels at affordable prices and make subsidies more targeted while providing protection to poor and marginalized sections of people.

e) To improve consumer service levels through better retailing practices and competition.

1.3.4.2 Policy framework to Achieve Refinery and Marketing Objectives

a) Build operational capability in refineries in sourcing their own crude requirements, in making shipping and other logistic arrangements and in respect of risk management abilities including financial strategies such as hedging.

b) Set out a time table for achieving product quality norms by refineries and marketing companies to meet emission standards in line with best global practices.

c) Formulate a stable long term fiscal policy to facilitate investment in refining, pipeline and marketing infrastructure.

d) Grant operational freedom to all Oil Marketing Companies in establishing and maintaining marketing network while allowing new players in the marketing sector through transparent and clear entry criteria.

e) New entrants can establish own distribution networks for marketing.

f) To take up with States for a uniform State level rate of taxation on petroleum products including applicability of VAT for setting off of municipal taxes such as entry tax and octroi.

g) Provide a level playing field in terms of taxation for domestic products vis-à-vis imported products.

1.4.4 Tariff and Pricing

A rational tariff and pricing policy is vital to balance consumer demand with producer supply and to stimulate healthy growth of the hydrocarbon sector and to protect the consumers as well.

1.4.4.1 Objectives of Tariff and Pricing

a) To provide incentives for cleaner, greener and quality fuels so as to promote an environment friendly hydrocarbon sector.

b) To balance the need to boost Government revenue with the need to align taxes and duties with Asia-Pacific countries and the prices to international levels.

c) To promote new investments, by ensuring adequate protection to domestic producers.

1.4.4.2 Policy framework to Achieve Tariff and Pricing Objectives

a) To ensure that subsidies are more targeted while providing full protection to the marginalized, poor and SC/ST.

b) Rationalize tariffs to enable elimination of adulteration in Hydrocarbon fuels.

1.5 Major Programmes / Schemes

After dismantling of the administered pricing mechanism (APM) in the petroleum w.e.f. 1st April 2002, the Government introduced subsidy schemes to make up for under recoveries to OMCs directly from budget in respect of PDS Kerosene and domestic LPG and freight subsidy for far-flung areas, which under APM regime was met through an oil pool account mechanism. These schemes are :

1.5.1 PDS Kerosene and domestic LPG Subsidy Scheme, 2002.

The subsidy under this scheme is provided on sales made by participating companies of Kerosene under the Public Distribution System (PDS Kerosene) and LPG Cylinders for Domestic Use (Domestic LPG). The quantity of PDS Kerosene on which subsidy is allowed for each states are limited to the allocations made by the Ministry of Petroleum and Natural Gas subject to actual quantities sold. Currently, Indian Oil Corporation Limited (IOCL), Hindustan Petroleum Corporation Limited (HPCL), Bharat Petroleum Corporation Limited (BPCL) and IBP Company Limited (IBP) are allowed to participate in the scheme. At present subsidized cylinders are capped at 12 per household per year from 2014-15.

1.5.2 Freight Subsidy (For Far-Flung Areas) Scheme, 2002

The freight subsidy for supplies and sales of products in the far-flung areas is provided for PDS Kerosene and domestic LPG. The quantity of PDS Kerosene on which subsidy is allowed for each state are limited to the allocations made by the Ministry of Petroleum & Natural Gas subject to actual quantities sold. Following areas constitute the "far-flung areas"

i) North Eastern States including Sikkim, except the districts in which Digboi, Guwahati, Bongaigaon and Numaligarh refineries are located;

ii) The States of Jammu & Kashmir excluding districts of Jammu & Kathwa, Himachal Pradesh, Uttranchal excluding the districts of Haridwar and Udhamsingh Nagar;

iii) Andaman & Nicobar Islands; and

iv) Lakshadweep Islands.

1.5.3 Currently, IOCL, HPCL and BPCL are allowed to participate in the scheme. The freight subsidy on supplies on sales of PDS Kerosene and Domestic LPG covers a part of the freight cost in the eligible areas upto the wholesale dealers locations in case of PDS Kerosene and upto the LPG distributor location, including extension counters, in case of domestic LPG.

1.5.4 DBT for LPG

PAHAL (DBTL) Scheme was launched in 54 districts of the country on 15.11.2014. Subsequently, the scheme was extended to rest of the country on 1st January, 2015. Under the scheme, the LPG cylinders are being sold at non subsidized and subsidy, as admissible, is being transferred to consumers directly into his/her bank account. As on 26.02.2016, out of 16.57 crore active LPG consumers, 15.16 crore have joined the scheme and are getting subsidy in their registered bank account. The scheme aims to rationalize subsidies based on approach to cut subsidy leakages, but not subsidies per-se. New consumer as and when apply and gets new connection, becomes part of the DBTL.

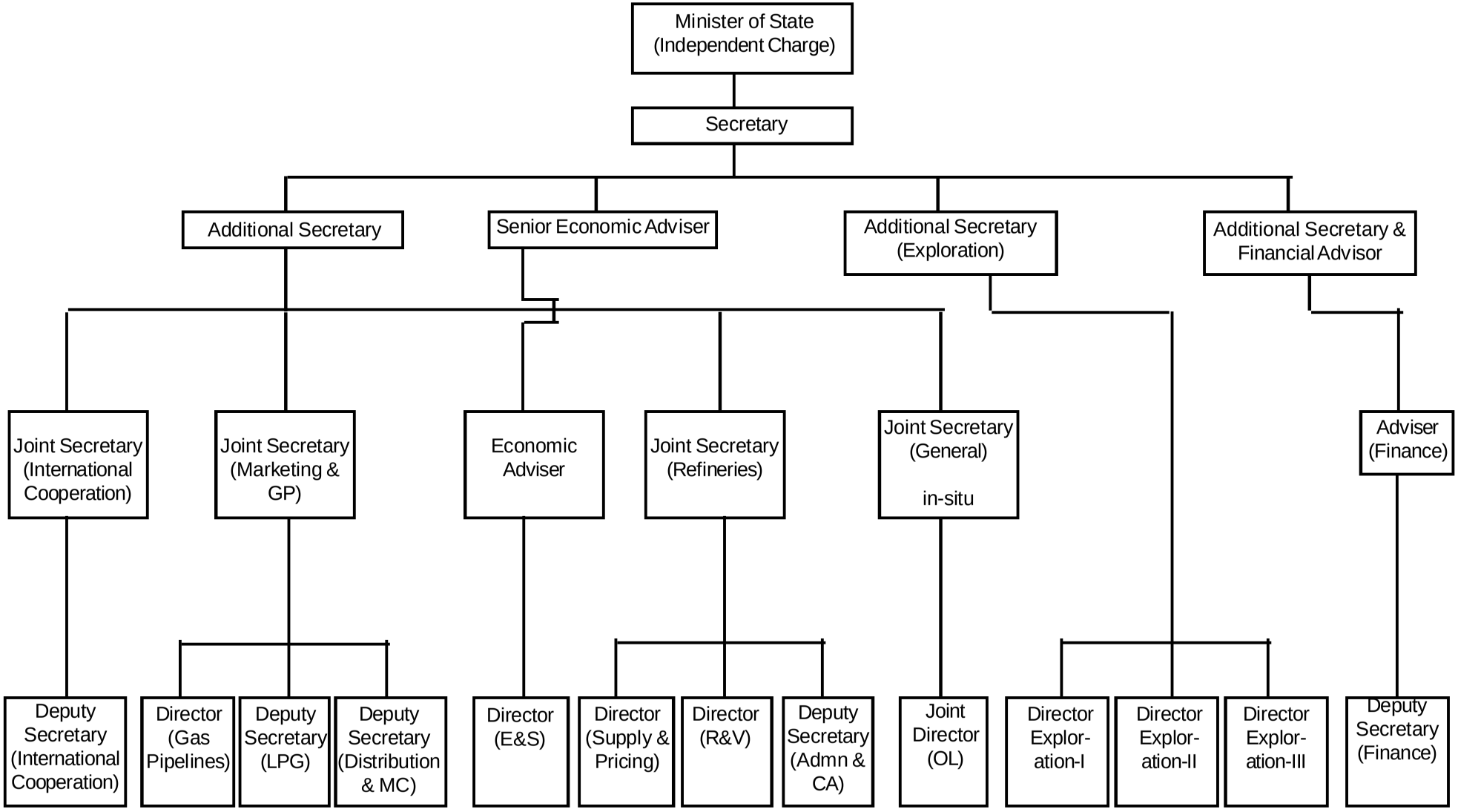
1.5.5 Compensation to Oil Companies for under recoveries of account of sale of sensitive petroleum products

In order to insulate the common man from the full impact of international oil prices and the domestic inflationary conditions, the Government modulates the retail selling price of PDS Kerosene and domestic LPG and their prices are below the market determined price. Resulting under-recoveries are being compensated by the Government and the Public Sector Oil Companies under the Burden Share Mechanism.

1.6 Organizational Structure

The Ministry of Petroleum & Natural Gas is entrusted with the responsibility of exploration and production of Oil & Natural (including import of liquefied natural gas), refining, distribution & marketing, import, export and conservation of petroleum products. The organizational chart of the Ministry is given in next page.

ORGANISATIONAL CHART OF THE MINISTRY OF PETROLEUM & NATURAL GAS



CHAPTER – II

STATEMENT OF BUDGET ESTIMATE (SBE)

This Chapter relates to the Non Plan and Plan Outlays, deliverable outputs and outcomes of the Ministry of Petroleum & Natural Gas.

2.1. Non Plan Outlay

2.1.1. BE 2016-17 non-plan has been kept at Rs. 27110.62 crore against Rs. 30146.35 crore in RE 2015-16. Subsidy on petroleum products has been provided under heads "Subsidy on LPG" and "Kerosene Subsidy" and Rs. 19802.79 crore and Rs. 7144.21 crore respectively have been provided. The total provision for subsidy is Rs. 27000 crore. The subsidy on LPG has three components (i) DBTL for LPG (Rs. 17020.04 crore), (ii) other subsidy payable including for NE region (Rs. 2742.75 crore) & (iii) Project Management Expenditure (Rs. 40 crore). Similarly, Kerosene subsidy comprise (i) DBTL for Kerosene (Rs. 50 crore) and (ii) other subsidy payable including for NE region (Rs. 7094.21crore). A provision of Rs.51 crore has been made for cash incentive to States/UTs for kerosene Distribution Reforms. In 2016-17 BE, provision of Rs.61.51 crore has also been made for payment of differential royalty to State Governments. Provision for Petroleum Regulatory Board and Society for Petroleum Laboratory have been made. The details of these Non Plan Schemes, in the prescribed format, are given in **Annexure II - A.**

2.2. Plan Outlays

2.2.1. The Annual Plan proposals of this Ministry predominantly comprises the Internal and Extra Budgetary Resources (IEBR) of Oil PSUs. The Annual Plan 2016-17 of Oil PSUs OMCs is Rs. 87214.56 crore. The projects are implemented by Oil PSUs from out of their Internal Resources and Loans. Government does not provide any Budgetary support to them. As far as budget provision under Plan for 2016-17 BE is concerned, a sum of Rs. 47 crore has been allocated as Plan Support for the Rajiv Gandhi Institute of Petroleum Technology (RGIPT), at Jais in Uttar Pradesh, a token amount of Rs. One crore each have been allocated to ISPRL under Plan Scheme for filling the underground caverns for strategic storage of crude oil, setting up Petroleum University in Andhra Pradesh as per provision under Andhra Pradesh Reorganization Act, 2014 and for ISPRL Phase-II (construction of caverns). Rs.2000 crore has been provided for scheme for LPG connection to poor households.

2.3. **PSUs and its Subsidiaries**

The company wise and project wise details, in the prescribed format, in respect of Oil PSUs are given in **Annexure II-B**. Brief Company wise details of Annual Plan 2016-17 are described below:

2.3.1. ONGC & its subsidiaries

The Annual Plan Outlay of ONGC for 2016-17, stands at Rs. 29307.20 crore. The major portion is on account of exploration, survey and development drilling. Capital Expenditure is also envisaged for capital projects, purchases, R&D, JV Domestic and Integration Projects, etc. The Annual Plan Outlay for 2016-17 in respect of OVL is Rs. 14843 crore. The capital expenditure proposal of OVL includes investment in properties in Vietnam, Liyba, Cuba, Columbia, Iran, Brazil, Russia, Columbia, Sudan, Venezuela, South Sudan, Myanmar, Syria, Kazakhstan and Azerbaijan. The Plan Outlay of MRPL, a stand-alone refinery, is a downstream subsidiary company of ONGC, for 2016-17 is Rs. 2270.75 crore to cater to Refinery Up gradation-cum-Expansion Phase-III and Poly Propylene Unit, Single Point Mooring (SPM) facility at Mangalore Coast, contribution to common pipeline Corridor, Feasibility study and Revamping of CCR-II.

2.3.2. Oil India Limited (OIL)

The Annual Plan outlay for 2016-17 of OIL is Rs. 11381.89 crore, which is mainly on account of proposed expenditure on survey & geological analysis, exploratory drilling, development drilling, procurement of capital equipment and facilities, NELP projects, overseas ventures, etc.

2.3.4. Gas Authority of India Limited (GAIL)

The Annual Plan outlay of GAIL for the financial year 2016-17 is Rs. 1787.59 crore, which has been earmarked for major projects like Replacement of pipelines in KG Basin, Gujarat region and Cauvery Basin, Jagdishpur Halida pipeline, Kochi - Kootanad pipeline, Phenol and Acetone Project, Poly Butadine Rubber (PBR) project, proposed M&A activities, equity investments in E&P activities and City Gas distribution projects.

2.3.5 Indian Oil Corporation Limited (IOCL) and its subsidiaries

The Annual plan outlay of IOC for 2016-17 is Rs. 13772.87 crore, which includes proposed expenditure in Paradip Refinery Project, Paradip-Sambalpur-Raipur-Ranchi Pipeline, Paradip Polypropylene Project, Distillate Yield Improvement (Coker) Project at Haldia Refinery etc. Chennai Petroleum Corporation Limited (CPCL) is a subsidiary of IOC. The Annual Plan of CPCL for 2016-17 stands at Rs. 1073 crore which includes proposed expenditure in Crude Oil Pipeline, Resid Upgradation, Revamp of CDU/VDU, Manali Refinery Expansion Project and Mounded Bullets.

2.3.6. Hindustan Petroleum Corporation Limited (HPCL)

The Annual Plan outlay of HPCL for 2016-17 is of Rs. 1974.26 crore. HPCL's capital expenditure programme during 2016-17 includes expenditure on projects such as Rewari-Kanpur Pipeline, Mangalore-Hassan-Mysore-Bangalore LPG Pipeline, Awa-Salawas Pipeline, R&D Project at Bangalore, Investment in Greenfield Refinery in Rajasthan, HPCL- Mittal Energy and in Exploration and Gas Distribution.

2.3.7. Bharat Petroleum Corporation Limited (BPCL) and its subsidiaries

The total Annual Plan Outlay for 2016-17 in respect of BPCL is Rs. 10597 crore. This includes projects such as Exploration & Production, replacement of CDU / VDU at Mumbai Refinery, Integrated Refinery Expansion project at Kochi Refinery and cross country products pipelines. Numaligarh Refinery Limited (NRL) is a subsidiary of BPCL. The Annual Plan for NRL for 2016-17 stands at Rs. 157 crore which includes proposed expenditure on Wax Project, Refinery expansion, New pipeline for transporting imported crude, Installation of Diesel Hydrotreating Unit, Revamp of MS Plant and Bio-refinery project.

2.4. Gross Budgetary Support

2.4.1. Rajiv Gandhi Institute of Petroleum Technology

The Rajiv Gandhi Institute of Petroleum Technology (RGIPT) is being set up at Jais, U.P. with the objective of creating an Institute of Excellence in the Petroleum sector to cater to the educational and training requirement in India and globally. Total estimated cost of the project would be Rs. 695.58 crores, out of which Rs. 435 crores would be on account of Capital expenditure. Budgetary Support of Rs. 285 crores has been approved. The Institute has been running the academic programme from 2008, operating from a temporary campus at Rae Bareli. Due to several hindrances, the completion of the RGIPT Campus Project at Jais could not be completed during the 11th Plan. An allocation of Rs. 47 crore as Budgetary Support has been made for BE 2016-17.

2.4.2. Indian Strategic Petroleum Reserves Limited (ISPRL)

Taking into account the oil security concerns of India, the Government has decided to set up Strategic Crude Oil Storage of about 5.33 million metric tons (MMT) at three locations in the country viz. Visakhapatnam (1.33 MMT), Mangalore (1.5 MMT) and Padur (2.5 MMT). The Strategic Crude Oil Storage is underground rock caverns. A Special purpose vehicle - Indian Strategic Petroleum Reserves Limited (ISPRL), which is a subsidiary of OIDB has been created for implementation and management of strategic storage of crude oil. Crude oil from the Reserves will be released by an empowered committee constituted by the Government in the event of any supply disruptions from abroad, any natural calamity or any unforeseen global event, leading to an abnormal increase in prices. The project involves capital cost of Rs. 3958 crore. A token amount of Rs. 1.00 crore has been allocated during BE 2016-17. Vishakhapatnam cavern has been commissioned. It is expected that Mangalore and Padur cavern would be ready to receive crude oil by March and May, 2016 respectively.

2.4.3. Petroleum University in Andhra Pradesh

It is proposed to set up an Indian Institute of Petroleum and Energy (IIPE) at Sabbavaram Mandal, Vishakhapatnam for which nearly 150 acres of land has been allocated by the Govt. of Andhra Pradesh. It is proposed to start the academic session from the year 2016-17. In BE 2016-17, a token provision of Rs.1 crore each under Plan and Non-Plan has been provided.

2.4.4. ISPRL Phase-II (construction of caverns)

The detailed Project Reports have been prepared for establishing additional crude oil reserves of 12.5 MMT at Chandikhol (3.75 MMT), Padur (2.5 MMT), Rajkot (2.5 MMT) and Bikaner (3.75 MMT). A token provision of Rs.one crore has been made in BE 2016-17.

2.4.5. Scheme for LPG connection to Poor households

Rs.2000 crore has been for Scheme for LPG connection to Poor households to provide support to BPL household to shift to a cleaner fuel from fossil fuels, with emphasis on uncovered States and pockets, particularly eastern part of the country.

Annexure II-A

(Non-Plan)

₹ in Crore

MINISTRY OF PETROLEUM & NATURAL GAS
OUTCOME BUDGET 2016-17 (NON PLAN)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Out lay 2016-17 (Non Plan)	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk
1	DBT for LPG	Consumers will get subsidy directly into their Bank Accounts To reduce the diversion of subsidized LPG to commercial market	17020.04	Making available domestic LPG cylinders to households at subsidized prices	Delivery of domestic LPG to Households across the country at affordable prices	Till the prices of domestic LPG are market driven, the subsidy may have to continue	Increase in internal crude oil prices
2	Other subsidy payable including for North Eastern Region	The households in the far flung areas in the country are able to get domestic LPG at the same price as in the other areas	2742.75	Making available LPG cylinders for domestic use in the far flung areas of the country at uniform prices	The households in far flung areas in the country are able to get domestic LPG at the same price as in the other areas		Any increase in transportation cost increases the freight subsidy burden on the Oil PSUs

Annexure II-A

(Non-Plan)

₹ in Crore

MINISTRY OF PETROLEUM & NATURAL GAS
OUTCOME BUDGET 2016-17 (NON PLAN)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Out lay 2016-17 (Non Plan)	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk
3	Project Manage-ment Expenditure	Implementation of direct transfer of cash subsidy	40.00	Making available domestic LPG cylinders to households at subsidized prices	Delivery of domestic LPG to households across the country at affordable prices.	Till the prices of domestic LPG are market driven, the subsidy may have to continue	Payment to OMCs for Project Manage-ment Expenditure for implementation of Direct Transfer of Cash Subsidy of LPG.
4	DBT for Kerosene	Delivery of PDS Kerosene to households across the country at affordable prices.	50.00	Making available PDS kerosene to households at subsidized prices	Delivery of PDS Kerosene to Households across the country at affordable prices	Till the prices of PDS Kerosene are market driven, the subsidy sharing arrangement between the various stakeholders may have to continue	Since the prices of petroleum products are linked to international prices, any increase in international prices further increase the subsidy burden on Government Oil PSUs. Consumer will get subsidy directly in their Bank account.

Annexure II-A

(Non-Plan)

₹ in Crore

MINISTRY OF PETROLEUM & NATURAL GAS
OUTCOME BUDGET 2016-17 (NON PLAN)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Out lay 2016-17 (Non Plan)	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk
5	Other subsidy payable including for North Eastern Region	The provision is made for subsidy on account of arrears of previous years/ scheme under recovery on sale of PDS Kero-sene, etc	7094.21	Making available PDS Kerosene to households at subsidized prices.	Delivery of PDS Kerosene to households across the country at affordable prices.	Till the prices of PDS Kerosene is market driven, the subsidy sharing arrangement between the various stakeholders may have to continue.	Amount allocated includes previous years claims and under- recovery also.
6	Cash incentive to State Governments/ UTs for Kerosene Distribution Reforms	To reduce the diversion of PDS Kerosene.	5.00	Making available PDS Kerosene and subsidy in Bank account.	Delivery of PDS Kerosene to households across the country at affordable prices	75% of subsidy savings during the first two years, 50% in the third year and 25% in the fourth year will be given to States.	States/UTS to take steps to ensure all eligible genuine beneficiaries particularly in rural areas to get their full entitlement.

Annexure II-A
(Non-Plan)
₹ in Crore

MINISTRY OF PETROLEUM & NATURAL GAS
OUTCOME BUDGET 2016-17 (NON PLAN)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Out lay 2016-17 (Non Plan)	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk
7	Payment of Differential Royalty to State Governments	Differential royalty is the difference between the rates as per the Production Sharing Con-tracts and notified royalty on crude oil, to state govern-ments con-cerned, for the blocks.	61.71	Payment of differential amount.	Payment of differential amount.	Year end.	Amount may vary depending upon crude oil prices in international market.
8	Petroleum & Natural Gas Regulatory Board	PNGRB	16.51	To protect interests of consumers and entities engaged in petroleum, petroleum products and natural gas to promote competitive market structure etc.	The Petroleum Regulatory Board would facilitate development of the Oil and Gas sector, keeping in view the interests of all takeholders including the consumer	PNGRB is statutory body under an Act of the Parliament; It brings out rules and regulations as per laid down procedure.	PNGRB has to build up technical capacity for regulation.

Annexure II-A
(Non-Plan)
₹ in Crore

MINISTRY OF PETROLEUM & NATURAL GAS
OUTCOME BUDGET 2016-17 (NON PLAN)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Out lay 2016-17 (Non Plan)	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk
10	Society for Petroleum Laboratory	SFPL has been set as per directions of the Supreme Court for testing independently quality of petrol, diesel & kero-sene against ISI standards, provide technical and expert advice etc.	2.10	Laboratory tests of about 60 samples per month, i.e., about 700-800 samples per year.	Detection of adulteration in fuels through testing of fuel samples received from enforcement agencies and OMCs NCR so that fuel quality supplied in NCR region meets BIS standards,thereby reducing air pollution	Testing of Samples are done as technical specifications.	Efficacy of the organization depends on manpower, follow up of the results of the tested samples

Annexure II-B

(Plan)

OIL AND NATURAL GAS CORPORATION (ONGC)

₹ in Crore

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-2017			Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
			4(i) Non Plan Budget	4(ii) Plan Budget (Rs. Crore)	4(iii) Complim entary Extra-Budget ary Res-ources				
1	Seismic Survey	Mapping of drillable prospects for hydro carbon explo ration & exploi tation.		1969.41		I) 2D LKM : 215 ii) 3D SKM: 7060	Mapping of drillable prospects for hydrocarbon exploration & exploitation.	March '17	Seismic Survey may be hampered due to adverse weather conditions and other logistics problems.Achievements of targets is also dependent on Statuatory and environmental/forest clearances and harmonius working environment.
2	Exploratory Drilling	Accretion of Hydro carbon reserves for future production and energy security.		7181.15		No. of Exploratory wells: 129*	Block appraisal for hydrocarbon presence. Incremental Ultimate reserve accretion (UR) 81.56 MMTOE	March '17	Number of wells drilled can be affected due to problems in land acquisition, logistics problems, adverse weather conditions, higher rental than budgeted for charter hire rigs, rig availability and drilling complications.

Annexure II-B

(Plan)

OIL AND NATURAL GAS CORPORATION (ONGC)

₹ in Crore

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-2017			Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
			4(i) Non Plan Budget	4(ii) Plan Budget (Rs. Crore)	4(iii) Complim entary Extra-Budget ary Res-ources				
3	R&D/Institutes	Applica-tions based research to assist in explora-tion and produc-tion to ehance acrretion of Hydro-carbon reserves		607.50		Achievement of milestones in R&D Projects	Effective results from exploration activities and optimised production.	March ' 17	Results are probablistic in nature, as with any R&D activity.
						Incremental reserve accretion (in MMTOE) (Ultimate Reserves) 86.00	Accretion of Hydrocarbon for future production activities and for the sustained growth of the corporation.	March ' 17	Reserve accretion is dependent on success in hydrocarbon ventures by exploratory efforts.
4	Development Drilling	Production of hydro carbons		9826.74		No. of Development wells: 326	Increase in Oil and Gas production and maintaining the reservoir health through drilling of new producers & injectors.	March ' 17	Number of wells drilled can be affected due to problems in land acquisition,logistics problems, adverse weather conditions, higher rental than budgeted for charter hire rigs, rig availability and drilling complications.

Annexure II-B

(Plan)

OIL AND NATURAL GAS CORPORATION (ONGC)

₹ in Crore

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-2017			Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
			4(i) Non Plan Budget	4(ii) Plan Budget (Rs. Crore)	4(iii) Complim entary Extra-Budget ary Res-ources				
5	Production	Production of Crude oil, Natural Gas, CBM and Value added products viz.Liquid Petroleum Gas(LPG), High Speed Disiel(HSD), Naphtha, Superior Kerosene Oil(SKO), ATF,Aromatic Rich Naphtha(ARN), Low aromatic Naphtha (LAN), Ethane/ Propane (C2-C3) etc. for domestic & industrial use & providing inputs / feedstock material for other industries in India.		9137.79#		Crude oil proudction (in MMT)** 22.761 Natural gas production (In BCM)** 24.617	Providing energy security to the nation equivalent to hydrocarbon production and generating revenue for the corporation.	March '17	Production can be affected by damage to production facilitites due to natural calamities, marine perils or by other means.
						Value Added Products (KT) 3163.98	Production of LPG, NGL,HSD, Naptha, SKO, ARN, C2-C3, ATF etc. for domestic & industrial use & providing inputs / feedstock material for other industries in India.	March '17	Production can be affected by damage to production facilitites by natural calamities or by other means.

Annexure II-B

(Plan)

OIL AND NATURAL GAS CORPORATION (ONGC)

₹ in Crore

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-2017			Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
			4(i) Non Plan Budget	4(ii) Plan Budget (Rs. Crore)	4(iii) Complim entary Extra-Budget ary Res-ources				
6	Joint Ventures(Domestic)	Joint Ven-tures Domes-tic		565.97		Oil production(MMT) 3.393 and Gas Prodn.(BCM) 1.173 (ONGC Share)	Participant/ operator with other entities for exploration and production from acreages/ blocks.	March '17	Production inputs are subject to operator getting award of acreages/blocks and subsequent approvals and their implementa-tion.
7	Integration	Downstream Integration		18.64		Tripura Power Project, equity in OPaL	To derive value from the related downstream activities in the hydrocarbon value chain.	March '17	Apart from exploration risk, subject to regulatory,statutory clearances and environ-ment clearances etc.
		Total		**29307.20**					

* Includes 9 Shale Gas Wells.

** Aggregate ONGC Stanalone production (including condensate) for the year 2016-17.

Outlay for development schemes, revamping of facilities and capital purchases for sustaining the production of Oil, Gas & VAP.

Plan expenditure may be affected due to increase in rates of all oil field services (Survey Cost, Charter hire rig cost etc.) and equipments, change in technology, refurbishment of facilities and acquisition of new technology.

Annexure II-B

(Plan)

ONGC VIDESH LIMITED (OVL)

₹ in Crore

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-2017 (BE) 4(i) Non Plan Budget	4(ii) Plan Budget	4(iii) Complimentary Extra-Budgetary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
1	Exploration and Production	Increment in Oil & gas reserves and in the annual Oil & Gas Production		485.23		(1) 2D LKM - 4,076 3D SKM - 120 4D SKM -	Mapping of drillable prospects for hydrocarbon exploration & exploitation	2016-17	Achievement of survey targets depends on environmental factors and availability of survey parties / ships.
				171.21		(2) 02 no. Exploratory wells	Increment in Oil & Gas reserves	2016-17	Exploratory wells drilled may change as a result of outcome of preceding exploration in the projects or due to change in the exploration scheme of the project with Geological & Geo-physical studies. Development wells may change due to changes in development plan.
				1,674.27		(3) 80 no. Development wells	Higher Production	2016-17	Exploratory wells drilled may change as a result of outcome of preceding exploration in the projects or due to change in the exploration scheme of the project with Geological & Geo-physical studies. Development wells may change due to changes in development plan.

Annexure II-B

(Plan)

ONGC VIDESH LIMITED (OVL)

₹ in Crore

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2015-2016 (BE) 4(i) Non Plan Budget	4(ii) Plan Budget	4(iii) Complim entary Extra-Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
				4,621.35		Facilities & other Capex for (4) Crude oil 5.589 MMT (5) Natural gas 3.011 BCM (5) Natural Gas production 3.142 BCM	Equity Oil/Gas revenues from sale in international markets.	2016-17	Production can be affected by change in productivity of wells and due to various impeding factors which are not in control of OVL
2	New acquisi-tion			7800.00		(6) Incremental reserve accre-tion (in MMTOE) (Ultimate Reserves)		2016-17	Reserve accretion is dependent on success in hydrocarbon discovery by exploratory efforts.
	Corporate/HQ/ OVAI			90.94		(7) Corporate office expendi-ture		2016-17	
	TOTAL			**14843.00**					

OIL INDIA LIMITED (OIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Plan Outplay 2016-17	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
1	Seismic survey	Acquisition of Seismic Data followed by processing & Interpretation shall lead to generation of Drilling Prospects for Exploration of Hydrocarbon	416.61	"Seismic Survey:“2D: 130 GLKM“3D: 300 SQKM““	To generate drilling locations in OIL’s operational areas/ NELP Blocks leading to reserve accretion.	31.03.2017	Seismic Survey is dependent on statutory (environmental/forest) clearances and harmonious operational environment/ other PSC compliances issues/ timely approval of budgets by partners.
2	Explo-ratory drilling	For new Discovery of Hydro carbon bearing structures.	1376.89	Exploratory Drilling: "88101 mtrs in nominated blocks in Assam, Arunachal Pradesh & Rajasthan, and 27400 mtrs in NELP operated blocks ““	Addition of In-Place and Recoverable Reserves.	31.03.2017	Numbers of wells drilled is dependent on statutory clearances timely availability of drilling locations, availability of in-house and chartered hire drilling rigs and favourable drilling conditions.

OIL INDIA LIMITED (OIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Plan Outplay 2016-17	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
3	Develop-ment drilling	Delineation & development drilling	824.31	Development wells : "104423 Mtrs in nominated blocks in Assam, Arunachal Pradesh & Rajasthan""	Enhanced crude oil production.	31.03.2017	Numbers of wells drilled is dependent on statutory clearances timely availability of drilling locations, availability of in-house and chartered hire drilling rigs and favourable drilling conditions.
4	Capital equip-ment and facilities	Support Infrast ructure / New Techno logy	747.16	To procure Capital equipment and create other associated facilities relating to Production infrastructure, drilling, pipeline equipments & Renewable energy, etc.	The acquisition of capital equipment and associated facilities would facilitate operational activities relating to survey, drilling and production.	31.03.2017	Progress of projects will depend upon the timely supply of equipments by vendors.

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Plan Outplay 2016-17	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
5. Overseas Projects:							
	Gabon	To carry out P&I activities.	9.32	P&I	To ensure reservoir.	31.03.2017	Progress of the project will depend upon the outcome of P&I (survey) activities.
	Nigeria	To generate drilling locations and reserve accretion.	20.79	OIL's share of expenses towards the block.	Carrying out of G&G activities and Exploratory Drilling by the Operator for reserve accretion.	31.03.2017	Progress of the project will depend upon the outcome of develop-ment activities by the operator, plus Geo-economic scenario.
	Carabobo (Venezuela)	Outcomes in terms of reserve accretion and production of hydro carbon	99	OIL's share of Investment in the project	Carrying out of G&G activities, Drilling activities and Production activities by the Operator.	31.03.2017	Progress of the project will depend upon Development and Production activities by the Operator.

OIL INDIA LIMITED (OIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Plan Outplay 2016-17	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
	Carizzso(USA)	Outcomes in terms of reserve accretion and produc-tion of hydrocar-bon	99	OIL's share of Investment in the project	Carrying out of G&G activities, Drilling activities and Production activities by the Operator.	31.03.2017	Progress of the project will depend upon Development and Production activities by the Operator.
	Mozambique	Outcomes in terms of reserve accretion	198	OIL's share of expenses towards the block.	Carrying out of G&G activities by the Operator.	31.03.2017	Progress of the project will depend upon Development activities by the Operator.
	"Russia ""	Out-comes in terms of reserve accre-tion, plus produc-tion	139.59	OIL's share of Investment in the project	Carrying out of G&G activities, Drilling activities and Production activities by the Operator.	31.03.2017	Progress of the project will depend upon Development and Production activities by the Operator.

OIL INDIA LIMITED (OIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Plan Outplay 2016-17	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factors
	MYANMAR G&G	Out-comes in terms of reserve accre-tion.	1.93	Pre-survey & survey activities	Carrying out of G&G activities.	31.03.2017	Progress of the project will depend upon the outcome of survey activities.
	Bangladesh (SS04 & SS09)	Out-comes in terms of reserve accretion	85.6	OIL's share of investment in the project	Carrying out of G&G activities by the Operator.	31.03.2017	Progress of the project will depend upon the outcome of survey activities
	Farsi (Iran)	Out-comes in terms of reserve accretion	1.5	OIL's share of investment in the project	Carrying out of G&G activities by the Operator.	31.03.2017	Progress of the project will depend upon the outcome of survey activities
	Total		**4019.71**				

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Programme	Objective/ Outcome	Outlay 2016-17 (2015-16) Proposed Non Plan Budget	Outlay 2016-17 (2015-16) Proposed Complimentary Extra-Budgetary Resources	Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
Exploration and production (non petrochemical)								
1	Phulpur - Haldia Pipeline Phase-I (Jagdishpur - Haldia p/l)	To supply Natural gas for various sources to the customer in West Bangal, Jharkhand Bihar & UP	700		Physical progress upto 30%.	"Part-A : HFC / IOCL Barauni - 24”X 163 Km, 12"" X 8 Km“CGS Patna - 12” X 65 Km“Part-B : Trunk line: Phulpur to Dobhi - 30”X 341 Km“Spurlines: Gorakhpur -18"" X 163 Km ; CGS Varanasi - 8”X 15 Km."	"1. Progressive completion of Pre-project activities.“ 2.Award, manfucaturing & Delivery of Linepipe & Linematerials. “3 Laying & construction progress of Part-A & Part-B. "	"Work is under Progress“Targeted date is Dec'2018 (In-syncronization with customer tie-up)"
2	Vijaipur Auraiya Phulpur Spurline Project	To supply Natural Gas to potential consumers in M.P. & U.P. and also to provide connectivity to Phulpur-Haldia Pipline.	150		Physical progress upto 18%.	"Vijaipur –Auraiya Section (Phase-I) : 36” x 357 Km “Auraiya - Phulpur Section(Phase-II) : 24” x 315 Km "	"1. Progressive completion of Pre-project activities. “2.Award of PMC contract. “3.Award & manufacturing of Linepipe.“"	The schedule completion of the project is 36 months from first 3(1) notification.

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
			Non Plan Budget	(2015-16) Proposed	Complimentary Extra-Budgetary Res-ources				
3	Gujarat Region Pipelines Replacement	Replace-ment of old pipeline in Gujarat region to supply Natural gas in Gujarat		150		Replacement of Pipeline	"Phase-I : Laying of Total – 238 kms. Pipeline.“Phase-II Total – 187 kms Pipeline.“ “””””	Linepipe available at site and Laying & Construc-tion work contracts awarded and to be completed by Jan'17.	Schedule completion by Jan'2017
4	KG Basin Pipeline Replacement	Replace-ment of old pipeline in KG Basin region to supply Natural gas in A.P.		100		Replacement of Pipeline	"Phase-I : Total – 100 kms. Pipeline.“Phase-II A Total – 162 kms"	Site work is under progress and to be completed Jan'17.	""Schedule completion by Jan'2017"

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
			Non Plan Budget	(2015-16) Proposed	Complim entary Extra-Budget ary Res-ources				
5	VKPL Spur lines and Connectivity to Chittorgarh	To supply Natural gas for M.P. & Rajasthan.		67		Completion of balance check-list point along the pipeline of 18" X 110 KM , 16''X 140 & 12''X40 KM total 290 KM		Site work is under progress and to be completed Sep'16.	Commissioning target by Mar'16.
6	Regional P/L Connectivities and LMC's	Inter-connectivities to pipeline networks and Last mile connectivities to con-sumers.		57		Laying of required size/ capacity natural gas pipelines.		Work under progress. New connectivities as per customer tie-ups.	

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Programme	Objective/ Outcome	Outlay 2016-17 (2015-16) Non Plan Budget	Outlay 2016-17 (2015-16) Proposed	Outlay 2016-17 (2015-16) Complimentary Extra-Budgetary Resources	Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
7	Kochi-Kootanand P/L	To supply Natural gas for various sources to the customer in Kerela, Tamilnadu & Karnataka		50		"1.Panchnama & RoU compensation in Kerala & Karnataka State.“ 2.Lowering of already welded section."	"Phase-I: 30” x16 Km, 18” x16 Km, 12”x 3 Km, 8” x 7 km, 4” x 2 Km(Commissioned in Aug'2013). ““Phase-II: 30” x91 Km, 24” x 788 Km."	"1.Panchnama activity of total 342 Km out of 503 km completed and balance will be completed progressively.“2. 4.5 Km of lowering of already weleded section completed and balance will be completed progressively."	"Work in Tamil Nadu (~ 310 Km) is standstill from April 2013 due to Order of Govt. Of Tamil Nadu, followed by legal dispute in High Court of Chennai (April – November 2013) and subsequent legal dispute in Hon’ble Supreme Court since November 2013.Hon’ble Supreme Court has given Judgment dated 02.02.2016 in favour of GAIL on the SLP of Govt of Tamilnadu against GAIL. Hon’ble Supreme Court dismissed the SLP filed by Govt of Tamilnadu and other associated SLP’s filed against the judgments / orders passed by Hon’ble Chennai High Court. “However, Govt of Tamilnadu have filed review petition on 08.02.2016 in Supreme Court against the above judgment.

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (2015-16) Proposed Non Plan Budget	Outlay 2016-17 (2015-16) Proposed Complimentary Extra-Budgetary Res-ources	Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
								"Slow work progress in Kerala (~509 Km) due to severe resistance from farmers / land owners and later on completely stopped. Construction works could not even start in stretch of 200 Km (Kannur, Malappuram and Kozhikode dis-tricts) due to violent protests. With the intervention of Govern-ment of Kerala, the Survey and Panchnama activities for RoU opening activities have started since 1st June 2015. Panchanama activity completed for 170 Km after restart of activities from June'2015 onwards (cumulative 368 Km panchnama completed out of 503 Km).”"

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	(2015-16) Proposed	Complim entary Extra-Budget ary Res-ources	Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
8	Cauvery Basin and Agartala Region Pipe-lines Replace-ment	Cauvery Basin and Agartala Region Pipelines Replacement Replacement of old pipeline in Cauvery Basin region to supply Natural gas in Tamilnadu & Puduchery		50		Laying of 12”x 22 kms , 8”/6” x 40 kms , 4”x 42kms - 104 kms pipeline	Replacement of Pipeline	Linepipe available at site and Laying & Construc-tion work contracts awarded and to be completed by Jan'17.	Schedule completion by Jan'2017
9	Dabhol-Banglore p/l	To supply Natural gas for various sources to the customer in Maharastra, GOA, Karnataka		6		Laying of required size/ capacity natural gas pipelines in Goa & Banga-lore region.	"Phase-I :Laying of 36”/30”/24”/18”-992 Km of Pipeline .“Phase-II : Last Mile consumer connectivities "	Work is under progress as per sched-ule of consumer tie-ups.	Project covers consumer connectivities in Goa and Bangalore region.Current consumer connectivities are targeted to be completed by March'2016 and future connectivities to be done as & when firm customer tie-ups takes place.

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
			Non Plan Budget	(2015-16) Proposed	Complim entary Extra-Budget ary Res-ources				
10	Auraiya - Jagdishpur P/L Project	To cater to the gas demand of M/s KFCL at Kanpur. The pipeline will contrib-ute in industrial develop-ment & maintain-ing clean environ-ment in this States (UP)		2			"24" x 71 Km loop line from Auraiya to Sachendi"12" X 12 Km spur line from Sachendi (tapp off) to M/s KFCL, Kanpur"	Balance/ pending payment of work done.	""Installation of terminals for 2 MMSCMD at M/s KFCL (1 working + 1 standby) along with other associate facilities.Due to capacity augmenta-tion of Vijaipur - Auraiya - Phulpur section, balance job in this project are not being taken up."

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Programme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
			Non Plan Budget	(2015-16) Proposed	Complimentary Extra-Budgetary Resources				
11	Surat - Paradip P/L	To supply Natural Gas to potential consumers in Gujarat, Maharashtra, Chhattisgarh & Orissa.		1		Completion of detailed survey work of 1000 Km of Part-1 of pipeline.	36" X 1539 Kms approx. (Main-line) 24"/18"/16"/ 12"/8" X 452 Kms (Spurlines) .	Work is under progress and scheduled to be completed by Jul'16.	Survey work for 1000 Km. has been awarded in Oct'15 and for balance length , survey work will be awarded later on. As per the PNGRB Grant of Authorization the schedule completion is June'2015 however due to non firm tie-up of consumer & gas source , project is put on hold. PNGRB has been approached to extend the further extension of GOA for 36 months.
12	Subsidiary/JV Investments	Supply of Piped natural gas(PNG) and Compressed Natural Gas(CNG)		104		Equity Investments in Different cities for City Gas Distribution P/Ls		As & when equity infusion is required as per progress of various projects under CGD JVs.	

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
			Non Plan Budget	(2015-16) Proposed	Complimentary Extra-Budgetary Res-ources				
13	South East Asia Gas P/L	The onshore pipeline shall transport the gas from Ramree island till the Myanmar-China border. CNOOC, the buyer of the gas shall pay an equity IRR of 15.5% (Post Tax – Myanmar) to Share-holders of SEAGP.		34		GAIL is having 4.1735% stake in the SEAGP and the Approved Project cost of the P/L is $2.01 bn.	Revamping of existing pipeline network in KG Basin		As per the recent draw down notice received in February 2016, it is envisagned that approximately Rs 10 Cr would be spent in FY 2015-16 and accordingly the remaining amount may be shifted to FY 2016-17, thereby making the final value as Rs 66 Cr

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
			Non Plan Budget	(2015-16) Proposed	Complimentary Extra-Budgetary Res-ources				
14	LNG Shipping	In order to transport LNG volumes from USA to India, GAIL needs to hire upto 11LNG vessels on long term charter hire		23		Once the long term charter hire contract is finalised, GAIL will take equity stake (10%) in India built ships.		The due date of submission of bids is 29th February 2016, post which the bids will be evaluated	As per the recent draw down notice received in February 2016, it is envisagned that approximately Rs 10 Cr would be spent in FY 2015-16 and accordingly the remaining amount may be shifted to FY 2016-17, thereby making the final value as Rs 66 Cr
15	LNG Shipping	Business Develop-ment - Solar/ Other Power Projects, TAPI, FSRU, LNG Termi-nals, Shipping etc.		12		FSRU project, LNG Terminals, TAPI Pipeline			"Revised figures which is envisaged as per current status of the project“TAPI= Rs. 57.3 cr“FSRU and LNG Terminals = Rs. 2.5 cr therefore TOTAL = Rs. 60 Cr"

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Programme	Objective/ Outcome	Outlay 2016-17 (2015-16) Non Plan Budget	Outlay 2016-17 (2015-16) Proposed	Outlay 2016-17 (2015-16) Complimentary Extra-Budgetary Resources	Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
16	Exploration & Production	Improved Energy Security for the nation		78		Drilling of exploration, appraisal and development wells in search of oil and gas		Ongoing Projects. Timeline are goverened as per respective Production Sharing Contracts	
Petrochemical									
17	PATA expansion project	Meeting the demand of polymer in country		50		Increase in polymer capacity by 4,00,000 TPA	Increase in Polymer production capacity		The project has been completed in FY 2014-15. Provision kept for making payments to contractors and licesnors against their final bills/PGTR.
18	Modification Scheme For Petrochemical Plant			1					Provision kept for modification schemes.

GAIL INDIA LIMITED (GAIL)

SL. No.	Name of Scheme/Programme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables	Projected outcomes	Processes/ Timelines	Remarks
			Non Plan Budget	(2015-16) Proposed	Complimentary Extra-Budgetary Resources				
19	Phenol Acetone Project	Diversifying our product portfolio		1		Phenol / Acetone plant based on 50 KTA of propylene			Agenda put up to Project Appraisal Committee earlier was deferred. The market study and project capex are being updated and the feasibility of putting up the plant would be reassessed.
20	PBR Project	To venture into elastomers business; produce Poly Butadiene Rubber to cater to the Indian tyre Industry		1		95 KTA Poly Butadiene Rubber plant;	As the term sheet for supply of Butadiene could not be finalized with OPaL, the project is kept under hold.		As the term sheet for supply of Butadiene could not be finalized with OPaL, the project is kept under hold.
	Total capital expenditure – plan			**1,637**					

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
Ongoing Projects							
1	15 MMTPA grassroot refinery at Paradip	"To meet projected petroleum products deficit in Eastern India as well as to capture export potential and integrate the refinery with petrochemicals (in future) to derive maximum value of hydrocarbon chain.“"	246.48	15 MMTPA grassroot refinery	"Commissioning of the project“to meet the demand for petroleum products in the country"	Refinery dedicated to the nation by Hon'ble PM on 07.02.2016	
2	Coke chamber replacement and installation of allied modernised facilities in Coker A at Barauni Refinery	To improve the reliability and safety of unit by installing two new coke chambers in place of 4 existing coke chambers, with automatic heading / unheading system for coke chambers, which will signifi-cantly contribute to Yield and Energy saving.	140.42	0.6 MMTPA capacity of Coker-A	Commissioning of the project to improve the reliability and safety of unit by installing two new coke chambers in place of 4 existing coke chambers,	Commissioning is expected by Jul'16	
3	Distillate Yield improvement (COKER) project at Haldia Refinery	"• Distillate Yield Improvement “• Enable increase in High Sulphur Crude processing “• Black Oil Upgradation.“""	1126.02	"Increase in Refinery Capacity from 7.5 to 8.0 MMTPA “"	Progress will be maintained to meet the target commissioning of Dec'17	Commissioning is anticipated by Dec'17	

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
4	Debottlenecking of SMPL	Debottlenecking of existing SMPL system with energy efficient equipments	110.00	Debottlenecking of existing SMPL system leading to capacity enhancement from 21 to 25 MMTPA	"During 2016-17: "Enhance-ment of 2 MMTPA"(Proposed MoU for SMPL= 23 MMTPA)"	30 months after receipt of statutory clearances	Anticipated completion by December 2016, subject to availability of Environment Clearance and final forest clear-ance for Banaskantha district by April 2016.
5	Paradip-Raipur-Ranchi pipeline	Cost effective, environment friendly and reliable move-ment of products upto Raipur and Ranchi	335.00	Transportation of petroleum products from Paradip upto Raipur & Ranchi. Capacity: 5.0MMTPA	"During 2016-17: "1.6 MMTPA"(Proposed MoU for 2016-17)"	May 2016 except Jharsuguda-Khunti section	Project is delayed due to late receipt of statutory clearances. Jharsuguda-Khunti section will be commissioned with 8 months after possession of additional land at Khunti
6	Paradip-Haldia-Durgapur LPG Pipeline	Cost effective, environment friendly and reliable move-ment of LPG upto Durgapur	240.00	Transportation of LPG from Paradip upto Durgapur. Capacity: 0.85 MMTPA	"During 2016-17: "0.12 MMTPA"(Throughput for 4th Qtr. taken on pro-rata basis)"	30 months after receipt of statutory clearances	Anticipated completion by December 2016, subject to availability of forest clearance for Odisha by March 2016.

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
7	Augmentation of PHBPL	Augmentation of existing PHBPL system	95.00	Aug. of existing PHBPL from 11 to 15.2 MMTPA	"During 2016-17: “Enhance-ment of 4.2 MMTPA"	March 2016 excluding Station Works at Balasore	Possession of land at Balasore from Govt. of Odisha delayed. Possession was received in November 2014
8	LPG import facilities, Kochi [Kerala]	To overcome the demand deficit of LPG in India.	250.00	600 TMTPA LPG import Facility at Cochin	"During 2016-17: “Nil."	As-per Board approval construction of Terminal to be synchronized with construc-tion of jetty by CoPT. As-per tender floated by CoPT the jetty construc-tion time is 24 months from site handing over / statutory clearances i.e. EC. Notification of EC is expected in Feb'16.	Environmental Clear-ance for Jetty Awaited. Completion of Import Terminal to be synchronised with Jetty. EC for Jetty is recom-mended by Expert Appraisal Committee of MoEF during the meeting held on 09.09.2015. Notification yet to be issued. 5270 MT Steel plates worth approx. Rs. 22 Cr. recd. at site. Tender for ground improvement for construction of Mounded Storage and buildings under finalisation.
9	Resitement of Bilaspur & Bisrampur Depots to Korba [Chhattisgarh]	To put up a Tap-off Point (TOP) on PRRPL at Korba (Chattisgarh) as combined resitement of Bilaspur and Bishrampur depots	20.00	Combined resitement of Bilaspur and Bisrampur depots will have approx. 55 TKL of tankage and 12 TLF bays with other allied facilities	Commissioning of the project for supply of POL products in Chhattisgarh region	Commissioning is expected by Sept'16	

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
10	Resitement of Tata Nagar and Ranchi Depots to Khunti [Jharkhand]	To put up a Tap-off Point (TOP) on branch pipeline from proposed PRRPL at Khunti (Jharkhand) as combined resitement of Ranchi (Namkum) and Tata Nagar depots	45.00	Combined resitement of Namkum and Tata Nagar depots at Khunti will have approx. 64 TKL of tankage and 16 TLF bays with other allied facilities	"During 2016-17: “Commis-sioning of the project, for supply of POL products in Jharkhand. Subject to availability of 3.99 acre land by May-2016"	Project sched-ule is adversely affected due to delay in acquisition of additional land admeasuring 3.99 acre. Completion will take 8 months after posses-sion of the land.	Project schedule is adversely affected due to delay in acquisition of additional land admea-suring 3.99 acre. Completion will take 8 months after possession of the land.
11	Paradip petrochemicals phase-I, Polypropylene project	"To produce different grade of polypropy-lene using propylene generated from INDMAX unit at Paradip Refinery (initially only homo grade)“"	1156.47	700 KTA Polypropylene Unit	Progress will be maintained to meet the target commissioning of Sep'17	Commissioning is expected by Sep'17	
12	Installation of feed prepara-tion unit at Haldia Refinery	Production of additional 52 TMTPA of GR- II LOBS with a reduction of extract as black Oil	54.43	52 TMTPA grade-II LOBS production by installing 650 MMTPA Feed Preparation Unit.	Commissioning of the project	Commissioning is expected by Nov'16	

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
13	Paradip-Hyderabad Pipeline	Cost effective, environment friendly and reliable move-ment of products	225.00	1150 km long product pipeline with capacity of 4.5 MMTPA	"During 2016-17: “Nil."	36 months after receipt of statutory clearances	Pre-construction activities are in progress.
14	Augmentation of PHDPL and its extension upto Patna and Muzzaffarpur	Cost effective, environment friendly and reliable move-ment of LPG	120.00	1076 km long LPG pipeline including 496 km of loop line with capacity of 2.0MMTPA	"During 2016-17: “Nil."	36 months after receipt of statutory clearances	Pre-construction activities are in progress.
15	Aug. of Koyali Sanganer Pipeline and Jaipur-Panipat Naphtha Pipeline	Cost effective, environment friendly and reliable move-ment of products	98.00	340 km long Naphtha pipeline with capacity of 800 TMTPA, originating at Mohanpura (Jaipur) and terminating at Panipat. The project also involves aug-mentation of the capacity of Koyali-Sanganer (Jaipur) product pipeline from 4.6 MMTPA to 5.0 MMTPA.	"During 2016-17: “Nil."	30 months after receipt of statutory clearances	Pre-construction activities are in progress.

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
16	Patna-Motihari-Baitalpur Pipeline	Cost effective, environment friendly and reliable move-ment of products	150.00	22.68	"During 2016-17: “Nil."		In view of upcoming Raxaul-Amlekhganj Pipeline, revised DFR is under preparation.
17	Recovery of Styrene from Naphtha Cracker at Panipat	"To produce Styrene for SBR unit“To improve profitability of Panipat Naphtha Cracker "	38.60	20 KTA Styrene recovery unit	Progress will be maintained to meet the target commissioning of Jan'18	Commissioning is expected by Jan'18	
18	Gas Grid comprising three pipelines in JV	To meet the gas demand in different parts of the country, along the pipeline route	35.00	"1.Mehsana (Gujarat) – Bhatinda (Punjab) Gas Pipeline - 77.11 MMSCMD“2. Bhatinda (Punjab) – Jammu – Srinagar (J&K) Gas Pipeline – 42.42 MMSCMD“3. Mallavaram-Bhopal-Bhilwara-Vijaypur Gas Pipeline - 78.25 MMSCMD""	"During 2016-17: “Nil."	Revised project schedule have to be worked out for all three pipelines.	Due to delay in appoint-ment of CA in Haryana, J&K State and Maharashtra and Non-issuance of Wild-Life sanctuary clearance & Forest clearance till date, all three projects are delayed.

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
19	Ennore LNG Project	To own gas infra-structure to augment gas market share	63.00	5 MMTPA LNG Import terminal with a provision for expansion up to 10 MMTPA	"During 2016-17: “Nil."	The project is expected to be completed by 2nd quarter of 2018-19, subject to necessary approvals and clearances.	
20	LPG import facility at Paradip	To overcome the demand deficit of LPG in India.	70.00	LPG import facility with a rated capacity of 0.6 MMTPA	"During 2016-17: “Nil."	"Jul’18 “(30 months from date of Statu-tory Approvals)““	Statutory Approvals are expected by Feb’16)
21	Petcoke Project at Paradip	Setting up a 1.3 MMTPA petcoke evacuation facility with Rapid Rail loading system (RRLS) & allied facilities.	108.14	1.3MMTPA petcoke evacua-tion	Progress will be maintained to meet the target commissioning of Mar'17	Commissioning is expected by Mar'17	

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
22	Development of new ROs	To Commission new Retail Outlets all over the country to cater to the increas-ing demand. Since each Retail Outlet is an independent project, timelines will be distributed throughout the year.	327.20	1150 new Retail Outlets to be commissioned round the financial year.		Distributed over the full financial year	Each Retail Outlet requires statutory approvals from authorities after which the construction can be started.
23	RO moderniza-tion	To modernize the Retail Outlets with individual facilities by procurement and installation at individual Retail Outlets	560.40	Individual facilities to be installed at ROs to upgrade the outlets to standard design as per policy.		95 KTA Poly Butadiene Rubber plant;	Procurement and Installation in each Retail Outlet will be distributed across the year.
24	14.2 kg cylin-ders	Release of New LPG connections & DBC across the country.	2206.50	Procurement of about 191 lacs new 14.2 Kg Cylinders to meet the requirement during 2016-17 for LPG Connection release, DBC, replacement, etc.		ongoing	

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
25	Resitement of Tinsukia Terminal to Golai, Digboi	Construction of Digboi Terminal with storage facilities at Digboi, Assam	60.00	Clearance from MoD required for exchange of land approx 3 acres near Lekhapani Military Cantonment Area.	Completion of the project	Commissioning is expected by Mar'17	3.03 acre Army land falling within the terminal perimeter. Matter taken up by AOD, Digboi with Army to resolve the land issue Army is not allowing construction activities on the said plot. Local Military Authority has agreed for exchange of land near Lekhapani Military Cantonment Area. Clearance from MoD required . Clearance from MoD required
26	Exploration & Production	To secure equity oil & gas	1997.75	To secure crude oil and gas.	Integration through entry into domestic upstream sector & energy security through equity oil from abroad.		
27	Investment in R & D	To build-up the capabilites in the areas of refining technology, pipe-lines, biofuels and alternate sources of energy	215.78	To create competitive advantage in existing areas of operation.	To build-up the capabilites in the areas of refining technology, pipelines, biofuels and alternate sources of energy.		

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
New Projects yet to be approved							
27	BS-IV project at Gujarat	As per Auto Fuel Vision & Policy 2025 of GOI to supply 100% BS-IV compliant auto fuel MS & HSD w.e.f April,2017	156.73	100% BS-IV compliant MS & HSD	Revamp & commissioning of DHDT unit	Revamp & commissioning of DHDT unit is targeted by Mar'17 and VGO-HDT & DHDS by Dec'17	
28	BS-IV project at Barauni	As per Auto Fuel Vision & Policy 2025 of GOI to supply 100% BS-IV compliant auto fuel MS & HSD w.e.f April,2017	240.70	100% BS-IV compliant MS & HSD	Revamp & commissioning of DHDT & PrimeG unit	"Revamp & commissioning of DHDT and PrimeG unit is targeted by Mar'17 and commissioning of new CRU & PrimeG by Apr'18""	
29	Wind Power Project	Setting up of upto 100 MW capacity of wind power project to generate clean green electricity and selling it to grid.	530.00	Wind Project upto 100 MW capacity	Generation of green electricity	Administrative approval under process. If approved, work award proposal would be initiated. Project to be comissioned in 10 months from the date of award.	

INDIAN OIL CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2015-16) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
30	Miscelleneous projects	To facilitate opera-tions and growth in various activities of the Corporation	2751.25	To facilitate operations and growth in various activities of the Corporation			
		GRAND TOTAL	**1377287**				

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
1	Exploration & Production	Reducing depen-dence on oil imports, access to equity oil.		67.02		Participating interest(10% to 25%) in 20 E & P blocks in India.	Reducing dependence on oil imports, provide hedge, access to equity oil.	On-going Projects	E & P risks viz, success rate & potential. International crude oil price volatility impacting commercial viability.
2	Diesel Hydrotreater at Mumbai Refinery	"To meet the Euro IV specifica-tion for diesel as per Auto Fuels Policy - Installation of 2.2 MMTPA Diesel Hydrotreating Unit. ""		22.84		Project already commisioned. Budget provision towards final payment to vendors.	Budget Provi-sion for final payment to vendors.	Project already commissioned.	

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Programme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complimentary Extra Budgetary Resources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
3	Mumbai Refinery Master Plan (MRMP)	Enhancing crude refining capacity from 6.5 MMTPA to 9.5 MMTPA , relocation of Tank Farm in Calico land, revamp of MS Block / DHT units to produce Euro V / VI grade petrol and diesel		251.14		MR Capacity expansion from 6.5 MMTPA to 9.5 MMTPA. Revamp of MS Block / DHT Units to produce Euro V / VI grade petrol and diesel and Calico Tankage facilities	Mumbai Refinery capacity will be increased to 9.5 MMTPA (existing 6.5 MMTPA). Euro V / VI grade petrol and diesel can be produced.	Mechanical completion in 36 months from the date of obtaining Environment clearance	Delay in getting environmental clearance would delay the project.
4	Jetty 5 Construction at Mumbai by MBPT - Expenditure share of HPCL's - 20%	To handle new fully laden Suez Max Tankers for crude import so as to achieve economy in freight charges		40.00		New Jetty 5	Facility to handle fully laden Suez Max Tankers for crude import will be created. This will achieve economy in freight cost.	Project is carried out by MbPT and HPCL is only sharing the cost.	

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
5	Diesel Hydrotreater at Visakh Refinery	Production of EURO IV compliant Diesel as per Auto Fuel policy		15.63		Installation of 2.2 MMTPA Diesel Hydrotreating Unit (DHT) and corrosponding Hydrogen generation unit, sulphur recovery unit and associ-ated facilities .	Budget Provi-sion for final payment to vendors.	Project already commissioned	
6	Visakh Refinery Expansion Project	To over-come the demand deficit of LPG in India.		531.00		Increase of Visakh Refining Capacity from 8.33 MMT to 15 MMT. Setting up Bottoms Upgradation unit	"During 2016 - 17 ' - Licensor selection & BDEP prepara-tion for RUF, FC-HCU, ISOM, DHT / NHT / CCR / Prime G+ revamp, “-PMC appointment for VRMP“-Order placement for CDU / VDU / ISOM / FC-HCU & SHCU Reactors & Compresors"	Mechanical completion in 42 months from the date of Environmental clearance	

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
7	Rewari Kanpur Pipeline	For movement of White Oil product from Rewari to UP & Bihar	20.00	50.00		Rewari Kanpur Pipeline (of 442 KM length and 7.98 MMTPA capacity) and Kanpur Terminal. Budget provision is for residual payment	Helps in movement of white oil products from Rewari to UP & Bihar.	Project commissionedin October 15 well ahead of November 15 deadline and also within the approved Budget	"Work in Tamil Nadu (~ 310 Km) is standstill from April 2013 due to Order of Govt. Of Tamil Nadu, followed by legal dispute in High Court of Chennai (April – November 2013) and subsequent legal dispute in Hon'ble Supreme Court since November 2013.Hon'ble Supreme Court has given Judgment dated 02.02.2016 in favour of GAIL on the SLP of Govt of Tamilnadu against GAIL. Hon'ble Supreme Court dismissed the SLP filed by Govt of Tamilnadu and other associated SLP's filed against the judgments / orders passed by Hon'ble Chennai High Court. "However, Govt of Tamilnadu have filed review petition on 08.02.2016 in Supreme Court against the above judgment.

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
									"Slow work progress in Kerala (~509 Km) due to severe resistance from farmers / land owners and later on completely stopped. Construction works could not even start in stretch of 200 Km (Kannur, Malappuram and Kozhikode districts) due to violent protests. With the intervention of Government of Kerala, the Survey and Panchnama activities for RoU opening activities have started since 1st June 2015. Panchanama activity completed for 170 Km after restart of activities from June'2015 onwards (cumulative 368 Km panchnama completed out of 503 Km).”"

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
8	LPG Pipeline from Mangalore-Hassan Mysore-Bangalore	For evacuation of LPG from MLIF and MRPL from Mangalore to Banga-lore & Mysore through proposed Mangalore Hassan Mysore Solur LPG Pipeline.		136.64		Mangalore Hassan Mysore Solur LPG Pipeline with a length of 397 Kms and Pipeline of dia 8"/10"/14"/16" and capacity of 3.106 MMTPA.	Cross country pipeline from existing MLIF to Yediyur LPG bottling plant with spur line to Mysore LPG for moving LPG from MRPL, MLIF	Project scheduled to be commissioned in November 16.	All Statutory approvals obtained.
9	LPG Bottling Plants at plan locations and Tankage Augmentation	Increase in Bottling Capacity to meet future market growth and reduce transporta-tion cost		176.00		New LPG Plant / Tankage Augmentation at various location	Increase in Bottling / Stroage Capac-ity to meet future market growth and reduce transportation cost	Plants and Tankage Augumentation in various locations will be commissioned in phases	Project covers consumer connectivities in Goa and Bangalore region.Current consumer connectivities are targeted to be completed by March'2016 and future connectivities to be done as & when firm customer tie-ups takes place.

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
10	LPG pipeline from BPCL Uran to Chakan (Pune)	For further evacuation of LPG production of MR from BPCL Uran LPG to Chakan LPG Bottling Plants		36.00		"Laying of pipelines“Despatch station“Receipt stations“SV stations"	Helps in Movement of LPG produced at MR to LPG Bottling Plant at Chakan	Scheduled to be completed by March 2017	
11	Cross Country Pipeline for ATF from Bahadurgarh Terminal to Delhi Interna-tional Airport onsite fuel Farm	Ensuring supply of our own ATF from Bathinda refinery to Delhi Airport and also reduction of transport cost		15.00		Phase I - ATF Pipeline from Brijwasan Terminal to Delhi Airport Phase II - ATF Pipeline from Bahadurgargh Terminal to Brijwasan	In 2016-17, projected outcomes are completion of Phase I and completion of Reconnaisance Survey / Detailed route survey / Cadas-tral Survey / DFR for Phase II	Phase I in 16-17 and Phase II in 17-18	Survey work for 1000 Km. has been awarded in Oct'15 and for balance length , survey work will be awarded later on. As per the PNGRB Grant of Authorization the schedule completion is June'2015 however due to non firm tie-up of consumer & gas source , project is put on hold. PNGRB has been approached to extend the further extension of GOA for 36 months.

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
12	R&D Project	Creating in-house R&D expertise and facilities		77.00		Setting up of R&D centre at Banglore with 9 research labs in Phase I	"Setting up of R&D centre at Banglore. "Support refineries for operational improvement and develop innovative technologies for inhouse use & licensing"	Scheduled to be completed during the year.	
13	Greenfield Refinery Project - Rajasthan Refinery	Setting up a 9 MMTPA grass root refinery-cum-petro-chemical complex		0.10		74% equit participation in Refinery at Rajasthan	74% equit participation in Refinery at Rajasthan	JVC formed with Rajasthan Government for setting up refinery	Project under review by Govertnment of Rajasthan
14	Prize Petroleum Co. Ltd.	Achieving oil security by securing access to equity oil & provide hedge.		22.68		Equity contribu-tion towards Investment into one new E&P Asset	Achieving oil security by securing access to equity oil /gas & provide hedge.	Acquisition depends on the availability of right opportunity in the interna-tional market	*Acquisition depends on techno economic due diligence of available E&P opportunities. *Volatile international crude oil prices.

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17			Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
			Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources				
15	LNG Regasification facility at Chhara	To build and operate 5 MMTPA LNG Regassification Terminal at Chhara, Gujarat		73.52		Setting up an LNG Regasification Terminal of 5 MMTPA capacity at Village Chharra, District Gri Somnath, through HPCL Shapoorji Energy Ltd	LNG Import and Regasification Terminal of 5 MMTPA capacity	HPCL Shapoorji Energy Ltd, a 50:50 joint venture between HPCL and SP Ports Pvt Ltd, has been incorpo-rated for putting LNG Terminal at Village Chhara, District Gir Somnath, Gujarat. Currently various pre-porject acitivites such as Front End Engineer-ing Design, Environment Risk Assess-ment Study completed. The project is likely to be commis-sioned during 2019	

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
16	HPCL Mittal Energy Limited	To carry out the Low Cost Expansion (from 9 MMTPA to 11.30 MMTPA)		240.69		A low cost expansion from 9 MMTPA to 11.3 MMTPA to enhance value addition	To enhance value addition to the existing refinery, create flexibility to ride alternative price cycles and strengthen supply security	Anticipated date of completion: June 2017	This is a Joint Venture between HPCL and Mittal Energy Invest-ments Pte. Limited, Singapore
17	Cross country Gas Pipeline in consortium with GSPL,IOCL & BPCL	Gas transporta-tion capacity access, which will aid in gas marketing.		10.00		11% Equity stake in GITL(Mallavaram-Bhilwara Pipeline)-1688 Km having final capacity of 76.25 mmscmd and GIGL (Mehsana - Bhatinda pipeline & Bhatinda-Jammu-Srinagar pipeline) -1611 & 526 Km respec-tively having final capacity of 77 mmscmd & 43 mmscmd respectively.	Marketing natural gas to customers along the pipeline route indepen-dently and can be exchanged for capacity in other pipelines. Thus it helps HPCL to enter into direct gas sourcing and gas marketing to protect and retain the market share.	Two JVA's namely GIGL & GITL with GSPL, IOCL & BPCL formed to lay three pipelines. HPCL will invest Rs.452 crore towards equity contribution in these three gas pipelines.	Project is executed by GSPL

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
18	City Gas Distribution Network (Proposed JV between HPCL & APGDC	Towards equity contribution to the proposed JV with APGDC which have won bid for CGD Network at East & West Godavari districts		10.00		Completion of Minimum Work Programme as per PNGRB authorisation	Completion of Minimum Work Programme as per PNGRB authorisation	Completion as per PNGRB Work Programme	Joint Venture with Andhra Pradesh Gas Distribution Company Ltd (APGDC), a Govt. of Andhra Pradesh undertaking
19	Green Field Refinery cum Petrochemical Complex (PCPIR)	Feasibility study for setting up of Petrochemi-cal complex at Visakhapatnam PCPIR in JV with GAIL		2.80		Detailed Feasi-bility Study	Detailed Feasibility Study covering various configuration options.	The proposed capacity & other details will be finalized upon completion of DFR and other studies.	

HINDUSTAN PETROLEUM CORPORATION LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
20	Mumbai Aviation Fuel Farm Facility Pvt Ltd. (MAFFFL)	Equity infusions in stages in JV com-pany MAFFFL towards 25% equity participa-tion in Joint Venture		12.78		Equity Infusion in stages in Mumbai Aviation Fuel Farm Facility Private Ltd. Towards 25% equity participation in Joint Venture	Equity Infusion in stages in Mumbai Aviation Fuel Farm Facility Private Ltd. Towards 25% equity participationin Joint Venture		Mumbai Aviation Fuel Farm Facility Pvt. Ltd. Is a Joint Venture between Mumbai International Airport Pvt. Ltd. (MIAL), Indian Oil Corporation Ltd., Bharat Petroleum Corporation Ltd., and Hindustan Petroleum Corporation Ltd.
21	Miscellaneous Projects	To facilitate operations and growth in various areas of operation of the Corporation		76.10		95 KTA Poly Butadiene Rubber plant;	Based on prefeasiblity studies, decision will be taken on the projects		
		Total		**1974.26**					

To secure equity oil & gas — Integration through entry into domestic upstream sector & energy security through equity oil from abroad.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
I	**Completed / Ongoing Schemes** **Refinery** **Refinery & Marketing**						
1	Replacement of CDU /VDU at Mumbai Refinery	Replacement of old Crude / Vacuum distillation units at Mumbai Refinery with a new state of art integrated Crude & Vacuum Distillation unit (CDU-4) of capacity 6.0 MMTPA with 30% design margin. This new unit will enhance safety and environment with improved mechanical integrity as existing old units have a number of critical equipment and civil structures having lower residual life which is potential safety & environment hazard.	4.00	Replacement of old Crude / Vacuum distilla-tion units at Mumbai Refinery with a new state of art integrated Crude & Vacuum Distillation unit (CDU-4) of capacity 6.0 MMTPA with 30% design margin This new unit will enhance safety and environment with improved mechanical integrity as existing old units have a number of critical equipment and civil structures having lower residual life which is poten-tial safety & environment hazard.	Replacement of old Crude / Vacuum distillation units at Mumbai Refinery with a new state of art integrated Crude & Vacuum Distillation unit (CDU-4) of capacity 6.0 MMTPA with 30% design margin This new unit will enhance safety and environment with improved mechanical integrity as existing old units have a number of critical equipment and civil structures having lower residual life which is potential safety & environment hazard.	March 2015	The project has been commissioned in November 2015

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
2	Integrated refinery expansion project at Kochi Refinery	To expand the capacity of the refinery by 6.0 MMTPA which will be facilitated by installing a new state of the art Crude distillation Unit of 10.5 MMTPA so as to replace the existing old 4.5 MMTPA CDU-1 which is not energy efficient. Associated process units like Delayed Coker Unit, Petro FCCU, VGO HDT, DHDT, Sulfur Recovery Unit (SRU),TGTU,NHT/ ISOM(revamp), Hydrogen Genera-tion Unit (HGU) on BOO mode, Sour Water Stripper etc alongwith Matching Utilities and Off-site facilities are in-cluded in the project.	4,998.00	To expand the capacity of the refinery by 6.0 MMTPA which will be facilitated by installing a new state of the art Crude distillation Unit of 10.5 MMTPA so as to replace the existing old 4.5 MMTPA CDU-1 which is not energy efficient. Associated process units like Delayed Coker Unit, Petro FCCU, VGO HDT, DHDT, Sulfur Recovery Unit (SRU),TGTU,NHT/ ISOM(revamp), Hydrogen Generation Unit (HGU) on BOO mode, Sour	To expand the capacity of the refinery by 6.0 MMTPA which will be facilitated by installing a new state of the art Crude distillation Unit of 10.5 MMTPA so as to replace the existing old 4.5 MMTPA CDU-1 which is not energy efficient. Associated process units like Delayed Coker Unit, Petro FCCU, VGO HDT, DHDT, Sulfur Recovery Unit (SRU),TGTU,NHT/ ISOM(revamp), Hydrogen Generation Unit (HGU) on BOO mode, Sour	42,491.00	IREP site declared as strike-free zone. Out of a total of 2062 equipment, 2000 received at site and 1486 erected on foundations.Erection of 3rd module of derrick structure completed at the CDSP package, DCU. Laying of UG piping work commenced in NHT ISOM by M/s K B Tech. Stack module erection completed for Heater A in DCU. 3rd section of C 3 stripper erected at FCCU. Instrument cable laying activities commenced at CPP by M/s OIL.The project has achieved an overall physical progress of 91.55% as on 31.12.15.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
				Water Stripper etc alongwith Matching Utilities and Off-site facilities are included in the project.	Water Stripper etc alongwith Matching Utilities and Off-site facilities are included in the project. A petrochemical integration is also envisaged as part of the project.		

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
3	Installation of Diesel Hydro Treatment Unit at Mumbai Refinery	To overcome the demand deficit of LPG in India.	900.00	Installation of 2.6 MMTPA capacity DHT to meet the government Mandate of producing 100% BS-IV HSD w.e.f. April 2017. The project also involves setting up of associated facilities i.e. new Amine Regenera-tion Unit (ARU) with 3.2 MMTPA and Sour Water Stripped Unit (SWS) with 1.2 MMTPA, to maximise capacity of SRU trains C& D and new Gas Turbine with HRSG for addi-tional power and steam require-ment.		December 2017	"MoEF accorded Environmental Clear-ance on 13.8.2015. P&IDs issued for engineering. For CDU 3 : data sheets released for Column and Pump engineering. Isometrics issued for DHT & ARU UG piping. Manufac-turing and delivery of major long lead items is in progress. The project has achieved an overall physical progress of 10% """"

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
4	CRU conver-sion to Isomer unit at Mumbai Refinery	Conversion of Catalytic Re-former Unit (CRU) to Isomerization Unit (ISOM) along with associated facilities. This would enable Mumbai Refinery to meet 100% Euro IV MS production.	20.00	Conversion of Catalytic Reformer Unit (CRU) to Isomerization Unit (ISOM) along with associated facilities. This would enable Mumbai Refinery to meet 100% Euro IV MS production.		December 2016	Engineering, procure-ment and construction activities are in progress. 90% Model review comments completed.material handling contract has been awarded. Electrical & Instru-mentation tender has been awarded. The project has achieved an overall physical progress of 40.1% as on 31.12.15.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
5	Propylene Derivatives PETCHEM Project at KR	To envisages production of niche Petrochemicals utilizing Polymer Grade Propylene produced from the Petro FCCU being set up as a part of IREP. PDPP project envisages production of Acrylic Acid, Oxo Alcohols and Acrylates, utilizing approximately 250,000 MT per annum of Polymer Grade Propylene.	650.00	To envisages production of niche Petro-chemicals utilizing Polymer Grade Propylene produced from the Petro FCCU being set up as a part of IREP. PDPP project envisages production of Acrylic Acid, Oxo Alcohols and Acrylates, utilizing approxi-mately 250,000 MT per annum of Polymer Grade Propylene.		May 2018	"Basic Design Engineering Package (BDEP) preparation at Licensor end is in progress and stage wise deliverables receipts are in progress. Construc-tion/ civil works in various stages of tendering for construc-tion water/ power, underpass, warehouse and open storage. Job awarded for Non Plant bldg. Site mobilization is in progress.""
	Sub Total (Refinery)		6,572.00				

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
Marketing							
6	Product Pipeline from Bina to Kota	The project envis-ages laying of 18"dia. 265 Kms. long cross country product pipeline from Bina (Madhya Pradesh) to Kota (Rajasthan) to for economic evacua-tion of MS,SKO,HSD & ATF from Bina Refinery. The pipeline will be connected to the existing multiproduct pipeline Mumbai-Manmad-Manglia-Piyala Bijwasan at Kota, in order to facilitate distribution of Bina Refinery products to Northern region markets.	0.50	The total capital cost of pipeline from Bina to Kota (including cost of additional pumping station at Kota) is Rs. 405.82 crore.		March 2010	The pipeline (257 KM) has been commis-sioned.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
7	LPG import facilities at JNPT with strategic storage at Uran	Setting up of Refrigerated LPG storage and han-dling facility (2 x 8000 MT) at JNPT Jetty & Uran LPG Plant.	0.50	Unloading of refrigerated LPG thru 12.5 km long refrigerated transfer pipeline from JNPT Jetty to Uran LPG Plant. Construction of 2 x 8000 MT Double Integrity Cup in tank full contain-ment type refriger-ated tanks. Dispatch of pressurized LPG through road tankers and cylinder filling.		January 2012	The project has been commissioned in January 2012.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
8	Kota Piyala Capacity augmentation	The project envisages setting up of a pumping station at IP3 i.e Malarna near Sawai Madhopur and existing depot at Bharatpur for enhancing the capacity of Kota Piyala Section of existing Mumbai Manmad Manglya Bijwasan Pipeline from 2.54 MMTPA to 4.4 MMTPA.	1.00	22.68		June 2013	The project has been commissioned in January 2012.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
9	Pipelines for transfer of LPG from BPCR / HPCR to Uran	The project envis-ages laying of 28 Km long LPG transfer pipeline from BPCL and HPCL Mumbai refineries at Mahul to Uran LPG Plant to sustain uninter-rupted operation of Mumbai refineries, by continuous and economic evacua-tion of LPG from both the refineries.	1.00	The project envisages laying of 28 Km long pipeline of 10" diameter for evacuation of LPG from BPCL and HPCL refineries at Mumbai, at a revised cost of Rs. 276.83 crore. Rs. 229.59 cr, to be shared equally by BPCL and HPCL. The project also include construc-tion of 3 X 900 MT mounded storage at Uran with a cost of Rs.47.24 crore The pipeline will traverse through two offshore segment (12 KM) and three onshore segments (16KM). The pipeline is designed for 800	The project envisages laying of 28 Km long LPG transfer pipeline from BPCL and HPCL Mumbai refiner-ies at Mahul to Uran LPG Plant to sustain uninterrupted operation of Mumbai refiner-ies, by continu-ous and economic evacuation of LPG from both the refineries.	June 2014 / October 2014	The project has been commissioned on 31.10.2014.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
				TMTPA on single shift operation. The pipeline will be provided with SCADA and leak emergency evacuation system.			
10	Kota Jobner Pipeline	The project envis-ages laying a product pipeline from Kota to Jobner (Jaipur) in Rajasthan for product place-ment from our own production sources, at various demand centres in Rajasthan at a competitive cost. This would also enable us to comply with Govern-ment of Rajasthan directives, (conse-quent to the fire incident at IOC's	7.00	Laying of 210 Km long 14 inch dia pipeline from Kota to Jobner, near Jaipur. It also involves construc-tion of 5 no Sectionalising Valve station and 1 no intermediate pigging station	The project envisages laying a product pipeline from Kota to Jobner (Jaipur) in Rajasthan for product place-ment from our own production sources, at various demand centres in Rajasthan at a competitive cost. This would also enable us to comply with	March 2015	The project has been commissioned on 31.03.2015.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
		Sanganer depot) to relocate its existing depot at Sanganer to a safer location.			Government of Rajasthan directives, (consequent to the fire incident at IOC's Sanganer depot) to relocate its existing depot at Sanganer to a safer location.		
11	Irugur Banga-lore pipeline	Project envisages laying of 294 Km long cross country product pipeline from Irugur (Coimbatore) to Devangothi (Banga-lore) for economic and safe evacuation of petroleum products from Kochi refinery.	1.00	Project envisages laying of 294 Km long cross country product pipeline from Irugur (Coimbatore) to Devangothi (Bangalore) for economic and safe evacuation of petroleum products from Kochi refinery on its expansion of refining capacity	Project envis-ages laying of 294 Km long cross country product pipeline from Irugur (Coimbatore) to Devangothi (Bangalore) for economic and safe evacuation of petroleum products from Kochi refinery.	2 years from the date of obtaining ROU.	"Application for ROU has been submitted to Government of Tamil Nadu.“"

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
				from 9.5 to 15 MMTPA. The designed capacity of pipeline is 2.8 MMTPA.			
12	LPG pipeline from Uran to Pune (to be shared with HPCL)	Laying of pipeline from Uran to Pune alongwith HPC.	64.00	Laying of pipeline from Uran to Pune alongwith HPC.	Laying of pipeline from Uran to Pune alongwith HPC.	October 2016	The project is being jointly developed with HPCL who is the lead company. Overall Physical Progress of 76% achieved against Plan Progress of 79.0% as on Sept '15.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
13	New POL Terminal at Ennore	The project envis-ages construction of POL terminal at Ennore with tankage of 109 TKL, receipt facility through tanker / ETTPL and 16 bay gantry to cater to Chennai market in lieu of closure of all activities at existing Tondiarpet Installa-tion, as per National Green Tribunal.	100.00	The project envisages con-struction of POL terminal at Ennore with tankage of 109 TKL, receipt facility through tanker / ETTPL and 16 bay gantry to cater to Chennai market in lieu of closure of all activities at existing Tondiarpet Installation, as per National Green Tribunal.		95 KTA Poly Butadiene Rubber plant;	Pre-project activities commenced in June 2014. In principle EC approval granted by EAC,MoE&F on 19.1.2016. Boundary wall tender awarded. Tender folated for tank.Site grading design cmpleted.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
14	Re-routing of Mumbai Manmad Pipeline Project	The project envis-ages laying of 45 km long 18" Dia API 5L X 65 Pipeline from Ch: 6 km to Ch. 51 km of Mumbai Manglya section & one no SV station along with associ-ated facilities i.e 4 HOV's.	50.00	The project envisages laying of 45 km long 18" Dia API 5L X 65 Pipeline from Ch: 6 km to Ch. 51 km of Mumbai Manglya section & one no SV station along with associated facilities i.e 4 HOV's.		36 months from receipt of all NOCs	
15	LPG Import Terminal at Haldia	The project envis-ages construction of 2X15000 MT refrigerated storage tanks for Propane & Butane, facilities for Ocean tanker unloading, Propane and Butane heating, Ethyl Mercaptan Dosing, LPG Bottling and dispatch in cylinders or in bulk through road tankers.	100.00	The project envisages con-struction of 2X15000 MT refrigerated storage tanks for Propane & Butane, facilities for Ocean tanker unloading, Propane and Butane heating, Ethyl Mercaptan Dosing, LPG Bottling and dispatch in cylinders or in bulk through road tankers.		Mechanical completion in 24 Months from date of EC receipt.	Pre-project activities commenced in June 2014. In principle EC approval granted by EAC,MoE&F on 19.1.2016. Boundary wall tender awarded. Tender folated for tank.Site grading design cmpleted.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
16	LPG Storage Terminal at Palakkad	To secure equity oil & gas	50.00	The project involves construc-tion of 3 X 1450 MT MSV, 8 bays TLD Gantry, LPG P/H (20 M X 8 M) and associated facilities.	Integration through entry into domestic upstream sector & energy security through equity oil from abroad.	mechanical completion in 24 Months from receipt of EC.	Pre-project activities commenced in August 2015. Approvals from Labour Commissioner, PESO, Consent to establish from PCB, Govt Order from Principal Secretary (SAC), NOCs from Fire department, Police, Tashildar, VAO, all neighbouring Industries & Panchayat Secretary obtained till today. EC obtained on 24.12.2015 from SEIAA, Kerala. EC received on 24.12.2015.
	Sub Total (Marketing)		**375.00**				
	Total B (Ongo-ing Schemes)		**6,947.00**				
	Total-I		**6,947.00**				

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
II. NEW SCHEMES							
Refinery							
1	Laying of Heat Traced Pipeline with associated facilities at KR and MR	Provision for laying of a Heat traced pipeline associated facilities at Kochi and Mumbai for transporting High Pour Products between Kochi Refinery and Mumbai Refinery.	120.00	Provision for laying of a Heat traced pipeline associated facilities at Kochi and Mumbai for transporting High Pour Products between Kochi Refinery and Mumbai Refinery.		30 months from date of all statutory clearances.	30 months from date of all statutory clearances.
2	Provision for Installation of Gasoline Hydro Treatment Unit (GTU) to produce 100% BS VI MS at MR	Installation of 0.9 MMTPA capacity Gasoline Hydro Treatment Unit for producing 100%BS-VI MS at Mumbai Refinery.	31.00	Installation of 0.9 MMTPA capacity Gasoline Hydro Treatment Unit for producing 100%BS-VI MS at Mumbai Refinery.			

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
3	Provision for Installation of Gasoline Hydro Treatment Unit (GTU) to produce 100% BS VI MS at MR	Installation of 0.9 MMTPA capacity Gasoline Hydro Treatment Unit for producing 100%BS-VI MS at Mumbai Refinery.	31.00	Installation of 0.9 MMTPA capacity Gasoline Hydro Treatment Unit for producing 100%BS-VI MS at Mumbai Refinery.			
	Sub Total (Refinery)		**251.00**				
	Marketing						
4	New Product Pipelines and Other Marketing Infrastrucutre a. Provision for new cross country product P/L & Marketing infrastructure (BKPL PL,	For environment friendly and eco-nomic transporta-tion of product pipelines & POL infrastructure	431.00	For environment friendly and economic trans-portation of product pipelines & POL infrastruc-ture	For environment friendly and economic transportation of product pipe-lines	-	The methodology of implementation is under review.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
	Gujarat Complex, Pune POL Complex & Meramandali) Rs.294 cr b. Provision for POL facility at Rasayani Rs.136 cr c. Resitement of Lube Oil Blending Plant at Sewree Rs.1 cr						
	Sub Total (Marketing)		**431.00**				

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
Joint Venture Projects (Investment							
Represents BPC's share of Equity)							
1	Investment in JVC - Bharat Oman Refiner-ies Ltd.	The project envis-ages upgradation of refinery at Bina, in Madhya Pradesh.	1,500.00	The project envisages upgradation of refinery at Bina, in Madhya Pradesh.	The project envisages setting up of a 6 MMTPA grassroot refinery at Bina, in Madhya Pradesh to meet the projected deficits of petroleum products, especially the Middle products, especially the Middle Distillate including LOBS in Northern/ Central India region.	-	The project with 6 MMTPA has been commissioned in May 2011 and provision is for upgradation of refinery.

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
2	Provision for Equity pay-ments in probable joint ventures likely to be entered Mumbai Aviation Fuel Facilities Pvt.Ltd. & Others	Upgradation of Fuel Farm & Hydrant facilities at Mumbai Airport.	14.22	Upgradation of Fuel Farm & Hydrant facilities at Mumbai Airport.	-	-	Provision has been made for probable Joint Ventures. JV being formed between BPCL, IOCL, HPCL & Mumbai I'nal Airport Ltd.
3	LPG pipeline from Kochi Refy to Salem via Coimbatore LPG plant	Laying of 458 km long LPG cross country pipeline from Kochi Refinery to Salem via Coimbatore LPG Bottling Plant for safe and economic transportation of LPG.	50.00	Laying of 458 km long LPG cross country pipeline from Kochi Refinery to Salem via Coimbatore LPG Bottling Plant for safe and economic trans-portation of LPG.	Laying of 458 km long LPG cross country pipeline from Kochi Refinery to Salem via Coimbatore LPG Bottling Plant for safe and economic transportation of LPG.	2 yrs from date of obtaining ROU for the P/L route	PNGRB authorisation obtained in February 2014 jointly by BPCL / IOCL, BPCL is the lead partner until JV forma-tion. JV Agreement has been signed between BPCL and IOC on 31.12.2014 and JV has been formed in March 2015 viz.Kochi Salem Pipelines Pvt.Ltd. (KSPPL).

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
4	Investment in JVC : Sabarmati Gas Ltd. (Provision for purchase of SGL shareholding of 11%)	For supply of CNG to the household and automobile sector in the city of Gandhinagar, Mehsana and Sabarkantha districts.	200.00	A JVC between BPCL and Gujarat State Petroleum Corpn.Ltd. was incoporated on 6.6.2006.	For supply of CNG to the household and automobile sector in the city of Gandhinagar, Mehsana and Sabarkantha districts.	-	Thirty Six CNG Stations have been commis-sioned.
5	Investment in Gas business i. Gas pipeline with consortium partners MBBVPL & MNJSPL a. Investment in GSPC India Transco Ltd. Rs.7 cr b. Investment in GSPC India Gasnet Ltd. Rs.7 cr ii. CGD InvestmentS	For laying of Gas pipelines with consortium partners	36.00	For laying of Gas pipelines with consortium partners	For laying of Gas pipelines with consortium partners	-	-

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
	(PNGRB bids for new cities) Rs.20 cr iii.Investment in proposed Gas pipe-lines Rs.2 cr						
6	Investment in Kannur Interna-tional Airport Ltd., (KIAL)	For building new International Airport at Kannur	49.00	For building new International Airport at Kannur	For building new International Airport at Kannur	-	BPCL has signed an MOU with Kannur International Airport for building new Interna-tional Airport at Kannur.
7	Investment in JVC (KIAL) & BPCL for fuel farm	For providing fuel farm at Kannur Airport	8.38	For providing fuel farm at Kannur Airport	For providing fuel farm at Kannur Airport	-	-
	Sub Total (JVC)		1,857.60				

BHARAT PETROLEUM CORPORATION LIMITED (BPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Projected Ourcomes	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7	8
Exploration and Production through							
1	**Bharat Petro Resources Ltd. (BPRL)**	To implement BPCL's plans in the Exploration & Production sector.	800.00	BPRL will exercise all the rights acquired and perform all the obligations undertaken by BPCL under various Agree-ments for participa-tion, in consor-tiums for Explora-tion & Production of petroleum, crude oil and hydrocarbons.	To implement BPCL's plans in the Exploration & Production sector.	-	-
	Sub Total (Exploration & Production)		**800.00**				
	Central U.P. Gas LTd.		**2,657.60**				
	Sub-Total (JVCs + Subsidiaries)		**3339.60**				
	Total-II (New Schemes)		**10,286.60**				

MANGALORE REFINERY & PETROCHEMICALS LIMITED (MRPL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complimentary Extra Budgetary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
1	Road for Evacuation of Poly Propylene (in PP Unit)	**Road for product evacuation outside the periphery of refinery without involving any vehicular movement inside the refinery and causing disturbance to the running plant**		33.00		7 meter wide, 3.5 km long Road, including a RCC box push for an underpass & two railway crossing	Other than solid product evacuation, the road can also be used for emergency evacuation during any major fire or unforeseen disaster.	Likely construction / completion period one year after local problem is resolved	Work stopped by local villagers in part of the land & for the another part, hold due to denofying SEZ land.

MANGALORE REFINERY & PETROCHEMICALS LIMITED (MRPL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
2	CCR-II Revamp	To increase capacity of the unit, by way of an revamp.		30.00		Increase the present through-put from 78 m3/ hr to 90 m3/hr.	Other than increased production, cerain instru-ments will be replaced with latest version & the products will be compliant to BSVi quality.	To be completed within 26 months from the date of Approval (22.05.2015)	Application for Environ-mental clearance made.
3	Shifting Silos for Coke sotrage & covering storage area for Sulphur & install conveyor/ silos/unloading for Rly loading	To implement long term measures to mitigate the dust issues both in coke & sulphur areas and to comply to environ-mental requirements		20.00		Shfiting of silos to a farther distance (outside plant premises there is residen-tial area). Covering Sulphur silos in SRU-III. Con-nectivity to the railway, by erecting Conveyors,Silos & Unloading facility	Mitigation of dust & smell complaints from locals. Enabling evacuation of solid products through Railway wagons. Reduction of environmental pollution by road transport.	To be completed within 18 months from the date of approval (29.10.2015)	Protests from locals

MANGALORE REFINERY & PETROCHEMICALS LIMITED (MRPL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Outlay 2016-17 Plan Budget	Outlay 2016-17 Complimentary Extra Budgetary Resources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
4	Developing Railway Siding	To reduce road transportation of coke & polypropylene and to improve overall margins considering the movement by railways being economical		52.00		Design, Engineering & Construciton of spur lines to the main railway line near Tokur Railway Station, with a Ro-Ro facility to carry trucks by railways.	Mitigation of dust & smell complaints from locals. Enabling evacuation of solid products through Railway wagons. Reduction of environmental pollution by road transport.	To be completed within 20 months from the date of approval (29.10.15)	Environmental issue, as the land is in marshy area
5	Other Miscellaneous Projects	Engg study & BEDP for revamp of DHDT & SWS and installation of FGRS (flare gas recovery system)		23.00		Revamp study and engg design package for revamp of DHDT & SWS	Processing additional sour water and naphtha, To recover flare gas and re-usage thereof	To be completed within 24 months from the date of approval (29.10.15)	
6	Feasibility study	To overcome the demand deficit of LPG in India.		11.35		Concurrent	To maximise efficiency, production facility and other de-bottlenecking aspects	On-going work	
			20	**169.35**					

MANGALORE REFINERY & PETROCHEMICALS LIMITED (MRPL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
									"Work in Tamil Nadu (~ 310 Km) is standstill from April 2013 due to Order of Govt. Of Tamil Nadu, followed by legal dispute in High Court of Chennai (April – November 2013) and subsequent legal dispute in Hon'ble Supreme Court since November 2013. Hon'ble Supreme Court has given Judgment dated 02.02.2016 in favour of GAIL on the SLP of Govt of Tamilnadu against GAIL. Hon'ble Supreme Court dis-missed the SLP filed by Govt of Tamilnadu and other associated SLP's filed against the judg-ments / orders passed by Hon'ble Chennai High Court. "However, Govt of Tamilnadu have filed review petition on 08.02.2016 in Supreme Court against the above judgment.

MANGALORE REFINERY & PETROCHEMICALS LIMITED (MRPL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
									"Slow work progress in Kerala (~509 Km) due to severe resistance from farmers / land owners and later on completely stopped. Construction works could not even start in stretch of 200 Km (Kannur, Malappuram and Kozhikode districts) due to violent protests. With the intervention of Government of Kerala, the Survey and Panchnama activities for RoU opening activities have started since 1st June 2015. Panchanama activity completed for 170 Km after restart of activities from June'2015 onwards (cumulative 368 Km panchnama com-pleted out of 503 Km)."""

CHENNAI PETROLEUM CORPORATION (CPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7
1	Crude Oil Pipeline project:To lay a new 42 inch dia pipeline, for 17 KM along port connectivity road from Chennai Port to CPCL - Manali Refinery at a cost of Rs. 257 crores.	The risk to refinery operations as a result of any possible failure of the existing 30" crude transfer line which is 46 years old will be eliminated. Further, the higher dia pipe line will result in faster transfer of crude from port to refinery.	96.00	Increase in crude oil pumping rate from 3000 to 6200 Cu.m / Hr.	"18 Months from the date of PESO approval i.e, from 11th May, 2015. “Sch. Mech. Comple-tion: Nov 2016 “Expected Mechanical completion : Mar 2017.“Expected Commissioning : Apr 2017"	Overall progress achieved is 23.1% against schedule of 32.1 % as on Jan 2016.
2	Resid upgradation Project:To improve distillate yield by installing Delayed Coker unit along with required other treating units like SRU/ Utilities & Offsites at a cost of Rs.3110 crore	Improve distillate yield and process high sulphur crudes bringing in additional margins.	853.00	"Facilitates processing of high sulphur crudes from 67% to about 83%.“Increase in disttilate yield by 7.5%."	"Environmental clearance obtained on 22nd Mar'13. Sch. Mechanical Completion: Sep 2015 “Expected Mechanical completion : Nov 2016.“Expected commissioning: Jan 2017."	Overall progress achieved is 73.9% against schedule of 84.5% as on Jan,2016

CHENNAI PETROLEUM CORPORATION (CPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7
3	Mounded Bullet Project	Currently the LPG, Propylene and Propane are stored in Horton Spheres and Butylene is stored in above ground bullets. As a risk reduction measure & also to provide intrinsically passive and safe environment and to eliminate BLEVE (Boiling Liquid Expanding Vapor Explosion) of LPG and petro chemical products, mounded bullet storage facility is being installed	9.00	Intrincically safe storage of LPG and Petro-chem products.	"Sch. Mech. Completion: Oct 2014 “Actual Mechanical completion : Mar 2015.“Expected commissioning during Feb - Mar 2016."	Overall progress achieved is 97% against sched-ule of 100%, as on Jan 2016
4	DHDS Revamp at estimated cost of Rs 367 Cr	To enable the Refinery to produce Diesel with 100% BS-IV specification (<50 weight ppm sulphur)	250.00	Increase capacity of plant from 1.8 to 2.34 MMTPA	"Sch. Mech. Completion: Feb 2017 “Expected Mechanical completion : Feb 2017. “Expected commissioning : Mar 2017"	Overall progress achieved is 22.4% against schedule of 22.4% as on Jan, 2016.

CHENNAI PETROLEUM CORPORATION (CPCL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Annual Plan (2016-17) (Proposed)	Quantifiable Deliverables	Processes/ Timeliness	Remarks
1	2	3	4	5	6	7
5	DHDT revamp to meet BS VI fuel quality of Auto fuel policy	To enable the Refinery to produce Diesel with 100% BS VI specification (<10 weight ppm sulphur)	18.00	Revamping of existing DHDT Unit from 1.8 to 2.4 MMTPA.	"Sch. Mech. Completion: Sep 2019 "Expected Mechanical completion : Sep 2019."Expected commissioning: Dec 2019"	Inpriciple approval obtained from CPCL Board for lining up licensor and carrying out pre-project activites.
6	FCC Gasoline desulphurisation project to meet BS VI fuel quality	To enable the Refinery to produce Gasoline with specification <10 weight ppm sulphur.	12.00	Addition of new FCCU Gasoline Desulphurisation unit with 0.6 MMTPA capacity.	"Sch. Mech. Completion: Sep 2019 "Expected Mechanical completion : Sep 2019."Expected commissioning : Dec 2019."	Inpriciple approval obtained from CPCL Board for lining up licensor and carrying out pre-project activites.
	Grand Total		**1238.00**			

NUMALIGARH REFINERY LIMITED (NRL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (BE) Non Plan Budget	Plan Budget (Under finali-sation)	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
1	Refinery Capacity Expansion from 3 to 9 MMTPA	To achieve economic scale of operations.		5.00		Enhancing refinery capacity from 3 to 9 MMTPA.	Implementation of the project is expected to ensure long term sustenance and growth for the Company	feasibility studies completed proposel put up to the ministry of natrural Gas for approval and financial assis-tance	-
2	Crude Oil Pipeline from an eastern port to Numaligarh	To facilitate NRL's refinery expansion plan by processing imported crude		1.oo		Enabling transportation of around 6.0 MMTPA imported crude oil from a Port along Eastern port to Numaligarh.	A pipeline covering a distance of 1350 KM (approx) is planned to be laid from an Eastern port to Numaligarh for transportation of imported crude oil for process-ing at Numaligarh Refinery	Linked to Refinery expan-sion project. DFR completed	-

NUMALIGARH REFINERY LIMITED (NRL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (BE) Non Plan Budget	Plan Budget (Under finali-sation)	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
3	Product Pipenines from VRLs siliguri Terminal (indo Bangla Pipe-line)	To facilitate product transportation by pipelines to strategic markets from siliguri		1.00		-	A product pipeline from Siliguri to Parbatipur in Bangladesh is currently being pursued with support from Government of both countries. DFR for the pipeline has been completed	Route surey,Field survey and DFR for the pipeline have been completed. A MoU has been signed between NRL and Bangladesh Petroleum Croporation to form a joint venture company for implementing the pipeline project. Discus-sions with Bangladesh authorities are in progress to finalise terms of product sale/ purchase agreement	-

NUMALIGARH REFINERY LIMITED (NRL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (BE) Non Plan Budget	Plan Budget (Under finali-sation)	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
4	Installation of Diesel Hydrotreating Unit (DHT)	To comply with require-ments of the Áuto Fuel Policy'for production of BS.IV/VI HSD.		300.00		Production of o.7 MMTPA BS.IV/VI HSD at 100% capacity utiliza-tion of the refinery at a project cost of Rs. 1031.37 crores'-	Installation of a Diesel Hydrotreating Unit will enable production of BS-IV/VI grade HSD at 100% capacity utiliasation of the refinery	Overall progress of the project as on 31.12.2015 reached 5.4% and 16 mile-stones were achieved as scheduled against total of 61 milestones for he project. Cumulative expenditure in the project up to 31.12.2015 was Rs. 8.25 crores with total financial commit-ment of Rs.252.50 crores. The project is targeted to be completed by January 2018.	-

NUMALIGARH REFINERY LIMITED (NRL)

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (BE) Non Plan Budget	Plan Budget (Under finali-sation)	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
5	Revamp of MS Plant	To comply with require-ments of the 'Auto Fuel Policy' for production of BS-IVMS		0.00		-	Revamp of existing MS plant will enable production of BS-IV MS to meet require-ments of Auto Fuel Policy besides permit-ting capacity enhancement of the plant	Detailed techynical study revealed that no major regamp will be required to produce BS-IV/V/VI grade MS in view of this revamp proposal is being discon-tinued.	-
6	Bio Refinery Project	To overcome the demand deficit of LPG in India.		29.00		Production of Ethanol. Furfural and Acetic Acid.	Dividend earning for the company	Detailed techni-cal study revealed that no major revamp will be required to produce BS-IV/V/VI grade MS. In view of this revamp proposal is being discontinued.	-
		Total	20	**336.00**					

BALMER LAWRIE & CO. LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (BE) Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
1.	Engineering To overcome the demand deficit of LPG in India.								
(a)	Infrastructure for Exports/ Imports/ 20 Container Freight Stations	Increased Capacity/ Improved Customer satisfaction		50.00		"Work in Tamil Nadu (~ 310 Km) is standstill from April 2013 due to Order of Govt. Of Tamil Nadu, followed by legal dispute in High Court of Chennai (April – November 2013) and subsequent legal dispute in Hon'ble Supreme Court since November 2013.Hon'ble Supreme Court has given Judgment dated 02.02.2016 in favour of GAIL on the SLP of Govt of Tamilnadu against GAIL. Hon'ble Supreme Court dismissed the SLP filed by Govt of Tamilnadu and other associated SLP's filed against the judgments / orders passed by	Increased capacity/ improved customer satisfaction/	18-24 months from the date of all approvals/ acquisition of land.	Normal business risk.

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (BE) Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
						Hon'ble Chennai High Court "However, Govt of Tamilnadu have filed review petition on 08.02.2016 in Supreme Court against the above judgment. "Slow work progress in Kerala (~509 Km) due to severe resistance from farmers / land owners and later on completely stopped. Construction works could not even start in stretch of 200 Km (Kannur, Malappuram and Kozhikode districts) due to violent protests. With the intervention of Government of Kerala, the Survey and Panchnama activities for RoU opening activities have started since 1st June 2015. Panchanama activity completed for 170 Km after restart of activities from June'2015			

BALMER LAWRIE & CO. LIMITED

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2016-17 (BE) Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
						onwards (cumulative 368 Km panchnama completed out of 503 Km).“"			
		Geographic expansion/ Capacity consolidation				Project covers consumer connectivities in Goa and Bangalore region.Current consumer connectivities are targeted to be completed by March'2016 and future connectivities to be done as & when firm customer tie-ups takes place.			
							Survey work for 1000 Km. has been awarded in Oct'15 and for balance length , survey work will be awarded later on. As per the PNGRB Grant of Authorization the schedule completion is June'2015 however due to non firm tie-up of consumer & gas source , project is put on hold. PNGRB has been approached to extend the further extension of GOA for 36 months.		
		22.68				Cold Chain facilities		Setting up of facilities by 31.03.2017	Normal business risk.

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2015-16 (BE) Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
(b)	Packaging Products/ Solutions for Lubricants and other similar products (Barrel Plants in various regions)	Geographic expansion/ Capacity consolidation		5.00 95 KTA Poly Butadiene Rubber plant;		Upgradation/ modernisation of facilities. Capacity Consolidation in Southern Region	Improved customer satisfaction/ Increased Capacity.	Expenditure is towards balance capex for debottle-necking of existing facility. New plant is expected to be commissioned during 2017-18.	Normal business risk.
(c)	Lubricating Oils, Greases and Speciality Lubricants and related To secure equity oil & gas services	Capacity Consolidation		12.00 Integration through entry into domestic upstream sector & energy security through equity oil from abroad. of facilities		Upgradation/ Modernisation of facilities	Improved customer satisfaction	Implementation by 31.03.2018.	Normal business risk.
(5)	Investment in JVC/Acquisition of business in the area of Travel & Tours/ LogisticsServices/ Industrial Packaging/ Greases & Lubes/Leather Chemicals	Improving market reach & adding business competencies		20.00		Inorganic growth options in Logistics, Travel, Greases & Lubes etc.	Larger presence in the market.	Investment in JV by 31/3/2016.	Reaching agreement with Visakhapatnam Port Trust.

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Outlay 2015-16 (BE) Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
(e)	ERP Implementation	Initiatives towards enhanced information technology		3.00		Technology enablement to manage the operations and get competitive advantage over the competitors.	Improved business competetiveness.	Part expenditure is towards completion of implementation by 31.3.2016.	Normal business risk.
(f)	Others	Additions, alterations, renewals & replacement		10.00		Augmentation & balancing of various capacities including IT infrastructure.	By 31.3.2016.		Normal business risk.
				100.00					

BIECCO LAWRIE LTD.

Sl. No.	Name of Scheme/Prog-ramme	Objective/ Outcome	Non Plan Budget	Plan Budget	Complim entary Extra Budget ary Res-ources	Quantifiable Deliverables/ Physical Outputs	Projected outcomes	Processes/ Timelines	Remarks/Risk Factor
1	Engineering	Production of LOCO breakers Developed proto type submitted to Railway and tried for action. Sample with little modifi-cation to be type tested.	NIL	NIL	-	"Addition “to more Switchgear variants in the product range"	To sustain in market	"Investment “in 1st quarter of 2015-16 will yield results from from last quarter of the financial year"	
2	Engineering	Range improvement from 25KA to 40 KA of existing breaker.	-	-	-	"New Business“segment"	To sustain in market		
3	Engineering	Production of Auto Recloser-VCB	-	-	-	New Business segment	To secure auto recloser business		

CHAPTER – III

REFORM MEASURES AND POLICY INITIATIVES

3.1 Year of the LPG Consumers:

3.1.1 Year 2016 has been declared as the 'Year of the LPG Consumers'- with the objective to promote and popularize the use of clean fuel for domestic purposes, particularly in the remote and difficult areas of the country. An ambitious target of adding 10 crore more households through this endeavour by the end of the year 2018 has been set to achieve 75% LPG coverage on all India basis. OMCs under the 'Digital India Initiative' have launched various initiatives for rendering efficient services to the LPG consumers in a time bound, transparent and hassle free manner, like round- the- clock LPG Emergency Helpline (1906); 'Sahaj'- online release of new connection; Portability; introduction of Tamper Evident Seal (TES) on LPG Cylinders in Delhi market with selected distributors on pilot basis, etc. Under 'Sahaj' the OMCs have launched the facility for release of LPG connection through online mechanism. É-SV' is the electronic subscription voucher which has the details of number of cylinders and pressure regulator loaned to the consumer against the security deposit. This document is emailed to the customer upon release of LPG connection online. OMCs in their continuous pursuit to improve customer satisfaction, have introduced new Tamper Evident Seal (TES), for use on LPG Cylinders. If attempts are made to tamper with the seal it gets destroyed. Tamper Evident Seal has been launched in Delhi market starting with select distributorships w.e.f. 1.5.2015.

3.1.2 Government has allowed the sale of 5 Kg LPG cylinder with / without Domestic Pressure Regulator (DPR) through Public Sector Oil Marketing companies (OMCs) Retail outlets, which are accessible to all and are open for longer hours. Subsequently sale of 5 Kg FTL cylinder has been extended to LPG distributorship points and Kirana /General stores etc also to further convenience of the target consumers including students. The LPG sold under the scheme is called Free Trade LPG (FTL). At the time of first sale, cost of equipment (DPR plus cylinder), cost of product at prevailing Non-domestic 5 Kg cylinder price and administrative charges will be payable. At the time of subsequent refill, only the cost of product will be payable. As on 1.2.2016, the price of 5 kg Non Domestic LPG cylinder at Delhi is Rs. 287/-. As on 01.1.2016, OMCs have sold 5 kg cylinders in 239 markets, 954 outlets (261 Retail outlets, 497 LPG distributors and 196 Kirana/ general stores). Further, OMCs have enrolled 56041 customers and sold 126212 refills. On 24th January, 2016, the OMCs have launched facility for on-line payment by LPG consumers for refills. This facility is now available pan-India.

3.2. PAHAL: World's largest Direct Benefit Transfer Scheme

3.2.1 With a view to curb corruption and introduce transparency in giving subsidy to the LPG consumers, the MOPNG is implementing the PAHAL (Pratyaksh Hasthantarit Labh) Scheme which has been acknowledged by the Guinness Book of World Records as the largest cash transfer programme. Under the scheme, subsidy amount is transferred directly to the registered account of the consumer without involving any intermediary. So far, nearly Rs.27,000 crore has been transferred to the accounts of 15 crore consumers, who have joined the Pahal Scheme.

3.3 Direct Benefit Transfer (DBT) in PDS Kerosene

3.3.1. After successful implementation of DBT in LPG, it has been decided to implement DBT in PDS Kerosene on pilot basis in 33 districts of 9 States w.e.f. 01/04/2016. More districts are likely to join in. With a view to encourage States to expand the Scheme to all districts, it is proposed to share 75% of the savings in kerosene subsidy with the respective States in first two years, 50% in the 3rd year and 25% in the fourth year.

3.4 Subsidy to needy only

3.4.1. The "Give It Up" campaign was aimed at motivating LPG users, who can afford to pay the market price for LPG, to voluntarily surrender their LPG subsidy. The subsidy given up in turn is utilized for giving LPG connection to needy BPL families. The names of individuals' giving up the subsidy are displayed publicly in the scroll of honor and the details of connection given to a BPL family is informed to the consumer who had given it up. Till 31/01/2016, more than 67 lakh LPG consumers have given up the subsidy and nearly 50 lakh BPL families have received new connection. Recently, it has been decided that the benefit of the LPG subsidy will not be admissible for the LPG consumers with effect from 1.1.2016, if the consumer or his/her spouse had taxable income of Rs. Ten lakh and above during the previous financial year.

3.5. Increase in Refining capacity

3.5.1. IOCL has established a new Refinery of a capacity of 15MMTPA with state-of-the-art refining technology at Paradip, Odisha with an approximate cost of Rs.34,555 crore. It will lead to development of downstream industries in the region including petrochemical units & will help Paradip emerge as the Energy Hub of eastern India. The refinery has been dedicated to the nation by Hon'ble Prime Minister soon. BPCL has launched the Integrated Refinery Expansion Project (IREP) at Kochi Refinery for expanding the refining capacity from existing 9.5 MMTPA to 15.5 MMTPA at a project cost of Rs.16504 crores. The project is anticipated to be completed in July, 2016. These efforts will increase the refining capacity of the country to 236.066 MMTPA. Recently OMCs under MOPNG have agreed with government of Maharashtra to jointly set up a mega refinery in coastal Maharashtra of 60 MMT capacity

3.6. Pricing of Petroleum Products

3.6.1. The Government has deregulated diesel prices on 18th October, 2014. Since August, 2014, the price of diesel has been reduced 18 times. This move coupled with decreasing global crude oil and petroleum product prices has resulted in reducing the price of diesel to Rs. 44.18 per litre (in Delhi as on 16/01/2016) as compared to Rs. 58.97 per litre in August, 2014 which is lower by Rs. 14.79 per litre. Similarly, the price of petrol has been reduced 22 times since July, 2014. Price of Rs. 59.03 per litre (In Delhi as on 11/01/2016) as compared to Rs.73.60 per litre in July, 2014, is lower by Rs.14.87 per litre.

3.6.2. In order to protect the consumers from the fluctuations in the prices in the international market, the Government continues to control the retail selling price of PDS Kerosene and its basic price has not been increased since 25th June, 2011. The Government has approved the budgetary support for the under-recovery at rate of Rs.12 per litre for financial year 2015-16 in PDS Kerosene and a fixed fiscal subsidy of Rs.18 per kg under the Direct Benefit Transfer for Domestic LPG during April - October, 2015 and Rs.15 per kg for the period from November, 2015 onwards.

3.7. Provision of Clean Fuel

3.7.1 As per recommendation of the Expert Committee contained in Auto Fuel Vision & Policy - 2025, MOPNG has issued orders for supply of BS-IV auto fuels in the entire country by 01.04.2017 in a phased manner. In the 1st phase, supply of BS-IV auto fuels has commenced in the northern part of the country w.e.f. 01.04.2015. The Oil Marketing Companies have also been advised to be ready to switch over directly from BS-IV to BS-VI fuel standards by.01/04/ 2020.

3.7.2 **Ethanol Blended Petrol (EBP) Programme:** The Government, through Oil Marketing Companies (OMCs), is implementing EBP Programme under which petrol with percentage of ethanol upto 10% is sold. In order to improve the availability of ethanol, the Government has enhanced the delivered price of ethanol. Further, ethanol produced from other non-food feed stocks besides molasses, like cellulosic and lingo cellulosic materials including petrochemical route, have also been allowed to be procured. Due to these efforts, as against 67 crore litre blending in sugar year 2014-15 orders for 103.64 crore litre ethanol have been issued for the current sugar year so far.

3.7.3 **Bio-diesel Programme:** The Government has allowed the sale of Bio-diesel (B100) by private manufacturers to bulk consumers like Railways, State Transport Corporations and other bulk consumers. For the first time, Oil Marketing Companies have finalised procurement of 11.08 crore litre of bio-diesel for blending with diesel.

3.8. Energy Security

3.8.1 **Policy for the development of Marginal Fields:** With a view to enhance indigenous production, the Government has formulated the Marginal Fields Policy (MFP) in September, 2015 for the development of 69 hydrocarbon fields discovered by the national oil companies but not monetized so far. This policy contains significant reforms such as marketing and pricing freedom for the oil & gas products; permission to explore all kinds of hydrocarbons; easy to administer Revenue Sharing Contracts and continued exploration throughout the contract period. Under this policy, these fields will be offered for development through competitive bidding

3.8.2 **Extraction of Coal Bed Methane (CBM):** Recently the Government has permitted Coal India Limited & its subsidiaries to undertake CBM operations in the coal mining lease areas held by them. This decision will not only help in augmenting CBM gas production in the country but will also make the mines safe for operations. Further, Ministry is actively pursuing the issue of simultaneous exploration of coal and CBM by co-development agreement between CBM operator and coal operator.

3.8.3 **Easy and early monetisation:** In tune with Government's stated principle of ease of doing businesses, a policy framework for early monetization of hydrocarbon discoveries under PSC regime has been approved by the Government. This policy has addressed rigidities in the timelines of the PSC and has allowed the contractors to start production at the earliest. This policy initiative has led to resolution of around 40 issues pending in various blocks. This has also led to moving ahead with development of 5 discoveries with associated resources of US $5.0 billion.

3.8.4 **Policy on Testing Requirements in NELP PSCs:** Government has approved a policy on Testing Requirement in NELP blocks in April, 2015 which would help in the monetization of 10 discoveries in 5 NELP blocks by resolving long pending dispute associated with testing requirements. The reserves associated with these discoveries which are expected to get monetized are of the order of three trillion cubic feet (TCF) with an associated value of around Rs 90,000 crore. This initiative will help in enhancing domestic production of natural gas which in turn will reduce import dependency of the country. The policy will also establish clarity to the contractors on this issue and will obviate the chances of disputes as have happened in past and would thus lead to improved investment climate in the country.

3.8.5 **National Gas Hydrate:** National Gas Hydrate Project 2 was conducted successfully in Eastern offshore from 9th March 2015 to 31st July 2015. This massive R&D exercise with participation of more than 100 scientists has led to very encouraging results and producible gas hydrates have been discovered in KG deep offshore areas.

3.8.6 **International Cooperation:** To boost India's energy security, the Government has approved acquisition of 15% equity stake in producing oil and gas fields by ONGC Videsh in Vankorneft Oil and Gas Field in Russia. India is also actively pursuing the Turkmenistan - Afghanistan-Pakistan-India (TAPI) gas pipeline which will bring 38 MMSCMD gas from Turkmenistan to India. The ground breaking ceremony for the Turkmenistan portion of the pipeline was held in Mary (Turkmenistan) in December, 2015.

3.8.7 **Strategic Crude Oil Reserve:** Keeping in view India's high import-dependence on oil and in the interest of our energy security objectives, the Government has taken up construction of three crude oil reserve of 5.33 Million Metric Tonnes (MMT) of crude oil at three locations viz. Visakhapatnam (1.33 MMT), Mangalore (1.5 MMT) and Padur (2.5 MMT) as a buffer to deal with any disruption in the supply chain. Filling of the crude oil in the Vishakhapatnam cavern has been completed. The caverns at Mangalore and Padur are expected to be ready by May, 2016. A study for creation of additional storage capacity of 12.5 MMT has been carried out and ISPRL (Indian Strategic Petroleum Reserve Limited) has prepared feasibility report for creation of storage in Phase 2 at Chandikhol (3.75 MMT), Padur (2.5 MMT), Rajkot (2.5 MMT) and Bikaner (3.75 MMT).

3.8.8 **Increasing Liquid Natural Gas (LNG) Re-gasification capacity:** As a part of this exercise, the capacity at GAIL's Dabhol terminal is being raised to 5 MMTPA from the current 2 MMTPA while capacity of Petronet's Dahej terminal to 15 MMTPA from the current 10 MMTPA. Another 2.5 MMTPA is expected to be added at Hazira LNG terminal, which is currently at 5 MMTPA. Considering the gap between demand and domestic supply of natural gas, new R-LNG terminals projects at Kakinada and Ennore on the east coast of the country are at advance stage for implementation. These projects are expected by 2018-19 subject to techno-commercial feasibility scenario. Several other R-LNG projects are at various stages of planning in both East and West Coast of India

3.9. Expansion of Piped Natural Gas (PNG) usage

3.9.1. 20 new Geographical Areas (GAs) have been awarded to develop CGD networks, thereby taking the total number of GAs to 67 spread over 18 States/UTs. As on 30th November, 2015, 30.38 lakh households are connected with PNG supplies.

3.10. Priority to City Gas Distribution in Gas allocation

3.10.1.The demand of Indian gas market is met from domestic gas sources and imported Re-gasified Liquefied Natural Gas (R-LNG). In FY 2014-15, 73.93 MMSCMD of domestic gas along with 42.85 MMSCMD imported LNG was consumed. With the policy measures initiated by the Government for the largest gas consuming sector i.e. Fertilizer and Power sector, there is an

increase in total gas consumption in first half of FY 2015-16. In first half of FY 2015-16, 70.54 MMSCMD of domestic gas along with 55.93 MMSCMD imported LNG has been consumed. Highest priority has been given to allocation of natural gas to cater to the transport (CNG) segment and domestic households (PNG). Government has decided to meet 100% demand of CNG and PNG sector through supply of domestic gas.

3.11 National Gas Grid:

3.11.1 At present, 15,000 km of Gas Pipeline network exists in the country. Government has focused to develop an ecosystem of national gas grid across the country. In order to complete the grid, another 15,000 km of additional gas pipeline has been planned. Out of the proposed 15,000 km gas pipeline, about 13,000 km has already been authorized and these projects are at various stages of implementation.

3.12 Foreign Direct Investment Inflows

3.12.1 In order to attract Foreign Direct Investment (FDI) in the sector, the FDI policy has been further liberalized. FDI for petroleum refining by CPSEs has been allowed with 49% foreign equity under the automatic route, without any disinvestment or dilution of domestic equity in the existing PSUs.

3.13 Skill Development Initiatives

3.13.1 The Ministry of Petroleum and Natural Gas through its Oil Industry Development Board (OIDB) has identified 134 skills under petroleum sector and has set up Hydrogen Sector Skill Council (HSSC) for Oil & Gas with pan-India presence. More than 19 lakh persons are proposed to be trained in these skills. The Ministry of Petroleum and Natural Gas is finalising a Memorandum of Understanding to be signed with Ministry of Skill Development and Entrepreneurship to foster collaboration on skill development in the hydrocarbon sector.

3.14 Make in India

3.14.1 The Ministry has constituted a Steering Committee to implement the 'Make in India' campaign in Oil and Gas Sector. All Oil PSUs have formulated INDEG (Indigenisation Group) to increase the domestic component in all kinds of procurements. Many MOUs have been signed with research and academic institutions to develop indigenous technologies. The work on the feasibility for establishing a Petroleum Economic Zone is in an advanced stage. A concept note on use of OIDB funds for Make in India has been sent to Ministry of Finance and Niti Ayog for comments.

3.14.2 In tune with the Make in India policy, the Ministry of Petroleum and Natural Gas is contemplating to introduce purchase preference policy for the bidders demonstrating the minimum local contents in their products and services. It is anticipated that this policy will be a big push to increase the local contents in the oil and gas sector and will lead to significant increase in the investment and employment generation. The draft policy has been hosted on the website of the Ministry to seek comments of all the stakeholders.

3.15 Swachh Bharat Mission:

3.14.1 The Government had advised Public Sector Oil Marketing Companies (OMCs) to revise the existing provision of Marketing Discipline Guidelines (MDG) - 2012 pertaining to provision of facilities including clean toilet (Male & Female) at Retail Outlets (ROs). Accordingly, the revised provision pertaining to availability of clean toilets has been classified under "Major irregularity" and the penalty has also been suitably enhanced for its violation. As on 30.11.2015, OMCs have a total number of 51,807 ROs across the country, out of which 50,121 ROs have toilet facility which includes separate toilet facilities for gents and ladies at 18,335 ROs. OMCs have informed that they will provide toilet facilities at remaining ROs by 31.03.2016.

3.14.2 Under Swachh Vidyalya: Swachh Bharat Abhiyan, Oil & G PSUs and JVs have completed construction of 20,409 school toilets as on 31.12.2015.

Chapter IV

REVIEW OF PAST PERFORMANCE

4.1 This chapter contains details of the Plan capital expenditure for various projects under implementation by the Oil PSUs. The projects which are listed in this chapter are at different stages of implementation. The details of these projects are incorporated in Statements I and II.

4.2 Statement – I contains details of physical and financial progress of various projects costing upto Rs.100 crores. These projects broadly relate to enhancement of pipeline network in the country by GAIL, setting up of infrastructure facilities by Oil India Limited(OIL), acquisition of exploration acreages abroad by OVL, setting of bottling plants by OMCs etc.

4.3 Statement – II contains details of physical and financial progress of various projects costing Rs.100 crore and above. There are 115 major projects costing Rs.100 crore and above at different stages of implementation by Oil PSUs. Completion of these projects will help intensify exploration and production activities, increase refining and petrochemical capacity and enhance pipeline network in the country. Out of these 115 projects, ONGC and IOCL have 26 projects each, followed by OVL(24) GAIL(11), HPCL(7), BPCL(7), MRPL(5),OIL(4), CPCL(3), NRL(2).

4.4 The Oil PSUs finalize their projects based on the economic, industrial and commercial factors governing the oil sector and market projection for future business growth available at the time for formulation of the project.

4.5 Monitoring of major projects is done at the level of the Board of Directors of the individual Oil PSUs. Besides, the Ministry Monitoring Cell (MMC) in EIL independently monitors major projects covering all aspects from process design/basic engineering onwards right up to the completion stage. It generates a monthly report which brings out the current status of implementation of various projects along with the reasons for delay, if any. Critical areas which can impact the progress are also analyzed. In addition, the project implementation in respect of individual Oil PSUs is reviewed in the monthly meetings held under the Chairmanship of The Secretary (PNG). Appropriate directions are given to the management of the Oil PSUs in these meetings for immediate remedial action, wherever considered necessary.

OIL AND NATURAL GAS CORPORATION LIMITED

SUMMARY STATUS OF MAJOR PROJECTS COSTING Rs. 100 CRORE OR MORE (As of 31st Dec' 2015)

ONGC

Sl. No.	Project Monitoring Number/ ID	Project Name / Description	Date of Approval	Completion Schedule			Project Costs (Rs. Crore)			Cumulative Expenditure (Rs. Crore) Till Dec'16			Percentage Progress			Percentage Progress (Dec'16)	
				Scheduel Completion	Revised Completion	Anticipated Completion	Approved Cost (Rs Crore)	Revised Cost (Rs. Crore)	Anticipated /awarde Cost (Rs Crore)	Facilities Cost (Rs. Crore)	Drilling Cost (Rs. Crore)	Comm Expenditure till Dec'16 (Rs. Crore)	Budget 2015-16 (as per annual budget)	Expenditure in Dec'16	Cumm. Expenditure till March 15)	Fin Prog % (w.r.t. awarded cost)	Phy. Prog %
1	Dev/Off/ 30062010/11	OFFSHORE Development of WO-16 Cluster Fields	30-Jun-10	31-Jan-14	31-Dec-15	31-Jan-16	2523.00	2523.00	2523.00	1127.34	536.41	1663.75	36.50	5.34	1436.51	65.94	81.3
2	Dev/Off/ 01122011/22	Integrated Develop ment B-127 Cluster Fields	1-Dec-11	31-Mar-15	31-May-16	31-May-16	2059.63	2665.65	2665.65	870.74	411.33	1282.07	300	0.39	1201.17	48.10	48.71
3	Dev/Off/ 15032012/26	Development of C-26 Cluster Fields	15-Mar-12	31-May-14	31-May-14	6-Mar-17	2592.17	2592.17	2592.17	830.5	0	830.50	533.50	3.88	539.59	32.04	46.16
4	Dev/Off/ 30042013/31	Development of Shallow Water wells in Eastern Offshore through mud line completions	30-Apr-13	30-Apr-15	30-Apr-15	31-May-17	284.82	284.82	284.82	0.00	0.00	0.00	109.00	0.00	0.00	0.00	Under Tendering
5	Dev/Off/ 29052013/32	Integrated Develop ment of Vasistha & S-1 Fields	29-May-13	30-Apr-16	31-Dec-17	31-Dec-17	4124.35	4941.49	4941.49	375.69	145.54	521.23	996.00	0.00	75.24	10.55	Under Tendering
6	Dev/Off/ 28082014/36	Daman Development	28-Aug-14	31-Mar-20	31-Mar-20	31-Mar-20	6086.08	6086.08	6086.08	586.87	0.00	586.87	104.00	0.00	27.61	9.64	35.48 (Facility)

OIL AND NATURAL GAS CORPORATION LIMITED

SUMMARY STATUS OF MAJOR PROJECTS COSTING Rs. 100 CRORE OR MORE (As of 31st Dec' 2015)

ONGC

Sl. No.	Project Monitoring Number/ ID	Project Name / Description	Date of Approval	Completion Schedule			Project Costs (Rs. Crore)			Cumulative Expenditure (Rs. Crore) Till Dec'16			Percentage Progress			Percentage Progress (Dec'16)	
				Scheduel Completion	Revised Completion	Anticipated Completion	Approved Cost (Rs Crore)	Revised Cost (Rs. Crore)	Anticipated /awarde Cost (Rs Crore)	Facilities Cost (Rs. Crore)	Drilling Cost (Rs. Crore)	Comm Expenditure till Dec'16 (Rs. Crore)	Budget 2015-16 (as per annual budget)	Expenditure in Dec'16	Cumm. Expenditure till March 15)	Fin Prog % (w.r.t. awarded cost)	Phy. Prog %
7	Dev/Off/ 04012012/23	Improved oil Recovery of B-173A Field	4-Jan-12	31-Mar-14	31-Mar-14	31-May-16	352.49	352.49	352.49	131.19	0	131.19	7.13	0.00	122.87	37.22	45.80
8	IOR/Off/ 25042012/28	Development of Western Periphery of MHS Field	25-Apr-12	31-Dec-14	31-Dec-14	31-May-16	600.17	600.17	600.17	249.17	125.97	375.14	36.00	0.00	375.14	62.51	63.07
9	IOR/Off/ 22112014/38	Enhance recovery of Bassein Field*** EOR of Baasien field through Mukta, Panna formations	14/11/2014 21/01/2015	30-Apr-17	31-Dec-17	31-Dec-17	4619.94	4619.94	4619.94	162.08	554.88	716.96	453.69	67.63	0.47	49.56	18.40
10	Dev/Off/ 24032014/34	Addl. Development of Vasai East	24-Mar-14	31-Dec-18	31-Dec-18	31-Dec-18	2476.82	2476.82	2476.82	369.15	0.00	369.15	199.32	0.20	59.21	14.90	64.42 (Facility)
11	IOR/Off/ 27062014/35	MH North Redevelopment Ph-III	27-Jun-14	31-May-17	31-May-17	31-May-17	5706.47	5813.25	5813.25	1555.69	793.85	2349.54	2149.43	80.71	1165.33	40.42	45.42
12	IOR/Off/ 14112014/37	MH South Redevelopment Ph-III	14-Nov-14	31/04/2017	31-Mar-19	31-Mar-19	6068.80	6068.80	6068.80	0.00	523.70	523.70	10.00	0.00	272.38	8.63	12.71
13	Infra/Off/ 25062007/4	Construction of 12 OSVs	25-Jun-07	31-Dec-11	30-Jun-15	30-Oct-16	736.65	736.65	562.71	498.95	N/A	498.95	80.51	4.28	472.24	88.67	88.25

OIL AND NATURAL GAS CORPORATION LIMITED

SUMMARY STATUS OF MAJOR PROJECTS COSTING Rs. 100 CRORE OR MORE (As of 31st Dec' 2015)

ONGC

Sl. No.	Project Monitoring Number/ ID	Project Name / Description	Date of Approval	Completion Schedule			Project Costs (Rs. Crore)			Cumulative Expenditure (Rs. Crore) Till Dec'16			Percentage Progress			Percentage Progress (Dec'16)	
				Scheduel Completion	Revised Completion	Anticipated Completion	Approved Cost (Rs Crore)	Revised Cost (Rs. Crore)	Anticipated /awarde Cost (Rs Crore)	Facilities Cost (Rs. Crore)	Drilling Cost (Rs. Crore)	Comm Expenditure till Dec'16 (Rs. Crore)	Budget 2015-16 (as per annual budget)	Expenditure in Dec'16	Cumm. Expenditure till March 15)	Fin Prog % (w.r.t. awarded cost)	Phy. Prog %
14	Infra/Off/ 14032011/18	Conversion of Sagar Samrat to MOPU	14-Mar-11	31-May-13	31-Dec-15	30-Apr-16	861.79	1256.72	1256.72	989.16	0.00	995.12	230.22	5.96	843.84	79.18	93.62
15	Infra/Off/ 14022015/38	Pipeline Replacement Project-4, Western Offshore	14-Feb-15	15-May-17	15-May-17	15-May-17	2899.93	2899.93	2098.43	502.37	N/A	502.37	40.00	118.27	0.00	23.94	54.17
16	Infra/Off/ 20032013/29	Reconstruction of BPA & BPB Platforms	20-Mar-13	30-Apr-15	30-Apr-15	31-May-16	1138.50	1138.50	686.58	552.58	N/A	552.58	307.35	11.86	432.97	80.48	86.45
17	Neelam Development plan	13-Aug-15	31-Mar-19	31-Mar-19	31-Mar-19	2818.88	2818.88	2818.88	0.00	0.00	0.00		0.00	0.00	0.00	u/tender	
							45950.49	47875.36	46448.00	8801.48	3091.68	11899.12	5592.65	298.52	7024.57	24.85	
3		ONLAND															
18	Infra/On/ 05032009/6	Assam Renewal Project	5-Mar-09	16-Mar-13	31-Mar-16	31-Mar-17	2465.15	2465.15	2378.89	1789.87	N/A	1789.87	91.00	0.24	1768.09	75.24	91.98
19	Infra/On/ 04032009/7	Construction of six ETPs, Ahmedabad & Ankleswar	4-Mar-09	30-Sep-12	31-Dec-15	30-Jun-16	317.64	317.64	240.95	123.32	N/A	123.32	0.00	0.00	111.38	51.18	95.70

OIL AND NATURAL GAS CORPORATION LIMITED

SUMMARY STATUS OF MAJOR PROJECTS COSTING Rs. 100 CRORE OR MORE (As of 31st Dec' 2015)

ONGC

Sl. No.	Project Monitoring Number/ ID	Project Name / Description	Date of Approval	Completion Schedule			Project Costs (Rs. Crore)			Cumulative Expenditure (Rs. Crore) Till Dec'16			Percentage Progress			Percentage Progress (Dec'16)	
				Scheduel Completion	Revised Completion	Anticipated Completion	Approved Cost (Rs Crore)	Revised Cost (Rs. Crore)	Anticipated /awarde Cost (Rs Crore)	Facilities Cost (Rs. Crore)	Drilling Cost (Rs. Crore)	Comm Expenditure till Dec'16 (Rs. Crore)	Budget 2015-16 (as per annual budget)	Expenditure in Dec'16	Cumm. Expenditure till March 15)	Fin Prog % (w.r.t. awarded cost)	Phy. Prog %
20	Infra/On/ 17022010/9 Tripura	Sonamura GGS and Pipeline Project, 17-Feb-10	19-Mar-13	30-Jun-16	31-Dec-16	132.73	132.73	128.30	46.47	N/A	46.47		0.00	42.47	36.22	39.09	
21	Infra/On/ 16062010/12	Construction of one ETP and three ETPs with WIPs	16-Jun-10	27-Jan-14	34 month from NOA	34 month from NOA	202.94	202.94	188.89	2.95	N/A	2.95		0.00	2.00	1.56	Under Tendering
22	Infra/On/ 26032012/24	Construction of 3 ETPs, Mehsana	26-Mar-12	30-Nov-14	19/10/2017, 30 months from land avaliability	22-Apr-18	260.74	260.74	144.00	3.65	N/A	3.65		1.47	0.52	4.11	5.06
23	Infra/On/ 03102011/20	Construction of one ETP at GGS-Nada, Ankleshwar	3-Oct-11	31-Jul-14	30-Apr-15	31-Mar-16	200.69	200.69	144.00	62.96	N/A	62.96		2.67	39.75	52.04	67.49
24	Infra/On/ 22112011/21	Construction of 3 ETP at Rajahmundry	22-Nov-11	31-Dec-14	31-Dec-15	30-Jun-16	148.00	148.00	108.00	23.95	N/A	23.95		11.83	10.91	29.60	48.52
25	Infra/On/ 07092011/19	Pipeline Replacement Project, Ahmedabad	7-Sep-11	31-Jul-16	31-Jul-16	31-Jul-16	202.25	202.25	160.16	68.96	N/A	68.96	30.00	0.00	39.42	43.06	59.10
26		Gamij Redevelopment Project	27-May-15	30-Nov-19	30-Nov-19	30-Nov-19	1881.22	1881.22	1881.22								Under Tendering
							5811.36	5811.36	5374.41	2122.13	0.00	2122.13	121.00	16.21	2014.54		
		Total					51,761.85	53,686.72	51,822.41	10,923.61	3,091.68	14,021.25	5,713.65	314.73	9,039.11		

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING RS 100 CRORES OR MORE

31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Comm	Revised / Anticipated Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval) (Cash Sink)	Latest Revised Cost in MMUSD (Date of Approval if any) (Cash Sink)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
1	Block 06.1 Vietnam	Production of condensate and Gas under PSA	31.10.2002	Project in production phase	Asset producing Gas & Condensate	228 (23.8.2001)	443.14 (24.05.2013)	1,967.10	2,000.75	NA	NA	Gas Sales to Petro Vietnam started in Jan 2003.
2	GNPOC, Sudan	Exploration & Production of Oil and Gas	12.03.2003	Project in production phase	Asset producing crude oil	750 (28.10.2002)	720 (20.11.2002)	10,478.44	10,762.86	Nil	NA	Under Production
3	GPOC, South Sudan	Exploration & Production of Oil and Gas		Project in production phase	Asset producing crude oil			108.99	113.13	Nil	NA	Production Stopped since Dec-13 due to security & Geopolitical issues.
4	SPOC(5A), South Sudan	Exploration & Production of Oil and Gas	31.1.2006	Project in production phase	Asset producing crude oil	128 (28.8.03)	275 (13.9.05)	2,039.64	2,040.43	Nil	NA	

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING RS 100 CRORES OR MORE

31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Comm	Revised / Anticipated Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval) (Cash Sink)	Latest Revised Cost in MMUSD (Date of Approval if any) (Cash Sink)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
5	Sakhalin-I, Russia	E&P of oil and Gas under PSA	Oil production started in Oct-2005 & domestic Gas sales started in 2006.	Project in production phase	Asset producing Crude oil & gas	1,700 (15.1.2001)	2,770 (28.2.2005)	29,258.35	31,311.67	Nil	NA	Under Production
6	Imperial Energy, Russia	Exploration & Production of oil and gas	13.01.2009 (Acquisition)	Producing asset	Production phase	3,600 (26.8.2008)	3,600	12,601.58	12,790.27	Nil	NA	Under Production
7	AFPC, Syria	Exploration & Production of Oil & Gas under PSA	31.01.2006	Project in production phase	Asset producing Crude oil & gas	219.92	219.92	1,244.78	1,244.78	Nil	Nil	Closed due to Force majeure
8	MECL, Colombia	Exploration & Production of Oil & Gas under PSA	20.09.2006	Project in production phase	Asset producing Crude oil	437.5 (17.8.2006)	437.5 (17.8.2006)	5,170.52	5,333.37	Nil	Nil	Under Production
9	PdVSA Venezuela	Exploration & Production of oil and gas under PSA	4/10/2008	Project in production phase	Producing Oil	356 (12.03.08)	356 (12.03.08)	2,081.78	2,470.95	Nil	NA	Under Production

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING RS 100 CRORES OR MORE

31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Comm	Revised / Anticipated Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval) (Cash Sink)	Latest Revised Cost in MMUSD (Date of Approval if any) (Cash Sink)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
10	BC 10, Brazil	Exploration & production of oil and gas	Sept. 2009	Project in production phase	Producing Oil	548	1,236 (10.09.13)	9,482.03	9,864.97	NA	NA	Under Production
11	ACG, Azerbaijan	Exploration & production of oil and gas	28.03.2013	Project in production phase	Producing Oil	1,001 (07.02.13)	1,001 (07.02.13)	5,270.92 381.1	5,522.74 381.1	NA	NA	Under Operation
12	BTC, Pipeline	Transportation of Oil	28.03.2013					381.1	381.1	NA	NA	Under Operation
13 & 14	Block A-I Myanmar	Production of Gas from A1&A3 Blocks and sending them to Myanmar –China gas pipeline for sale	Jan, 2014	Project in production phase	Producing Gas.	1,006.39	1,006.39	1,701.67	1,809.52	Nil	Nil	Producing gas.
	Block A-3 Myanmar Offshore Mid-stream Pipeline, Pipeco-1, Myanmar Onshore Mid-stream Pipeline, Pipeco-2, Myanmar		July, 2013 Jul-13 Nov-13	Project in production phase	Pipelines are under operation.			617.85 364.63 791.64	618.91 364.63 808.82	Nil Nil Nil	NA Nil NA	Pipelines are under operation.

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING RS 100 CRORES OR MORE

31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Comm	Revised / Anticipated Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval) (Cash Sink)	Latest Revised Cost in MMUSD (Date of Approval if any) (Cash Sink)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
15	Carabobo-1, Venezuela	Exploration, Development & production of oil and gas under PSA.	Jan-13		Development work in progress.	1,333 (31.03.10)	1,333 (31.03.10)	1,075.57	1,150.90	NA	NA	Production started, Development in progress.
16	Iran, Farsi Block	Exploration & Development under Service Contract.	25.12.2002		Master Development plan has been submitted	27 (14.5.02)	38 (21.05.10)	160.67	160.67	Nil	NA	Master Development plan has been submitted
17	Rovuma, Area-1, Mozambique	Exploration, Development & production of oil and gas under PSA.	Acquired in Jan'14 (6%) and Feb'14 (10%)	Development work in progress.	Development work in progress.	7,069 (23.08.13)	7,069 (23.08.13)	26,194.05	26,699.08	Nil	NA	Under Development
18	Block 128, Vietnam	Exploration & Production	24.05.2006	Exploration phase	Blocks under exploration	85.98	85.98	222.05	222.65	Nil	Nil	Exploratory Phase I has been further extended up to 15th June, 2016

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING RS 100 CRORES OR MORE

31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Comm	Revised / Anticipated Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval) (Cash Sink)	Latest Revised Cost in MMUSD (Date of Approval if any) (Cash Sink)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
19	Block 43, Libya	Exploration & Production of oil and gas	17.04.2007 End 21.07.2014	Exploration phase	Interpretation of G&G data completed	75 (05.01.07)	75 (05.01.07)	195.36	196.71	Nil	NA	Force Majeure lifted w.e.f. 01.06.2012. Exploration period has expired on 21st July, 2014. ONGC Videsh is seeking extension of exploration period.
20	Block 24, Syria	Exploration & Production of oil and gas	May'04	Appraisal stage	Appraisal/extended production testing phase	4.95	82.071	323.44	323.44	Nil	NA	Draft Plan of Development for Abu Khashab field was planned for review but the Operator has declared Force Majeure w.e.f 30th April, 2012.
21	Sudan Pipeline	Engineering Project	Oct'2005		Completed	200 (24.06.04)	200 (24.06.04)	695.25	695.25	Nil	NA	Completed in August 2005

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING RS 100 CRORES OR MORE

31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Comm	Revised / Anticipated Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval) (Cash Sink)	Latest Revised Cost in MMUSD (Date of Approval if any) (Cash Sink)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
22	Satpayev Block, Kazakhstan	Exploration & Production of oil and gas under PSA	16.04.2011 (Acquisition date)	Exploration Phase-1 is till 14.06.2016	Seismic Data API concluded	400	400	787.83	1,105.86	Nil	NA	The 1st exploration well STP-1 went dry. The location proposal for 2nd well is under evaluation. Operator is in the process for seeking of 2 year extension.
23	CPO-5, Colombia	Exploration	26.12.2008 (Acquisition date)	Exploration phase	Two wells drilled	34.2	135.26	249.75	352.34	Nil	NA	The block is currently in Exploration phase-II (up to 10.01.2017).
24	BM-SEAL-4, Brazil	Exploration	04.06.2007 (Acquisition date)	Exploration phase	Data API completed	60	119	323.38	326	Nil	NA	FWP Period for Moita Bonita PAD (upto 17.05.17) is ongoing with commitment of drilling 1 well.

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING UPTO RS 100 CRORES

Status as on: 31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Commissioning/ approval	Revised / Anticipated Date of Completion/ Commissioning	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval)	Revised Cost in MMUSD (Date of Approval)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
1	Block 8, Iraq	Exploration	15.05.04	Under Force Majeure	Waiting for Re-Negotiation	20 (15.5.2001)	NA	4.87	4.87	Project is under Force Majeure since 02.04.2003.		
2	RC-8, Colombia	Exploration	30.11.2007 (Acquisition date)	2nd Phase Exploration period expires on Nov 29, 2013	3D seismic data acquisition completed	7.1	12.81	34.65	34.74	NA	NA	Surrendering the block is under process. Pursuing the matter with ANH.
3	RC-9 Colombia	Exploration	30.11.2007 (Acquisition date)	2nd Phase Exploration period expired on Nov 29, 2013 and extended till Nov 28, 2016	ECP carried out reprocessing of 3D data & AVO studies. Pre-drilling is ongoing	8.26	64.76	51.13	75.67	NA	NA	Mollusco location has been approved for drilling Operator plans to drill a well.
4	RC-10, Colombia	Exploration	30.11.2007 (Acquisition date)	Exploration phase	3D seismic data acquisition completed. Pre-drilling in progress.	8.6	90.6	65.91	72.76	Nil	NA	Exploration phase-II extension period (upto 29.11.2016) is ongoing.

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING UPTO RS 100 CRORES

Status as on: 31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Commissioning/ approval	Revised / Anticipated Date of Completion/ Commissioning	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval)	Revised Cost in MMUSD (Date of Approval)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
5	SSJN-7, Colombia	Exploration	24.12.2008 (Acquisition date)	Exploration phase 1 extended upto 25.05.2014	Part Data acquisition (2D seismic) completed. Further Data acquisition planned.	18.6	18.6	51.54	52.3	NIL	NA	Exploration Phase-I extended upto 25.02.2017. Commitment of drilling one exploratory well in Expl. phase-I
6	GUA OFF, Colombia	Exploration Exploration Exploration	03.12.2012 (Acquisition date)	Exploration phase	Request of MFC transfer from Gua Off-2 to CPO-5	1.41	1.41	9.28	10.4	NIL	NA	Exploration Phase -I (upto 14.02.2016) is ongoing for MWP & MFC
7	LLA-69, Colombia		29.11.2012 (Acquisition date)	Exploration phase	ANH approved 9 months extension.	16.64	16.64	9.09	18.9	NIL	NA	Exploration Phase -I (upto 13.06.2016) extended to 12.03.2017
8	Block SS-04, Bangladesh		17.02.2014 (PSC signed)	Exploration phase	Commitment 1 well is to be drilled in Phase-1			1.7	2.82	NIL	NA	Exploration Phase -I (upto 16.02.2019) is ongoing.

ONGC VIDESH LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES COSTING UPTO RS 100 CRORES

Status as on: 31st December, 2015

Sl. No	Name of the Project/Scheme	Objective of the Scheme	Physical Progress			Financial Progress				Time /cost overrun	Reasons for Time/ Cost overrun	Remedial measures taken/ proposed/ Remarks
			Original Date of Commissioning/ approval	Revised / Anticipated Date of Completion/ Commissioning	Cumulative Physical Progress upto 31.12.2015	Original cost in MMUSD (Date of Approval)	Revised Cost in MMUSD (Date of Approval)	Cum Financial Plan Exp. upto 31.03.15 (in ₹ crore)	Cum Financial Plan Exp. upto 31.12.15 (in ₹ crore)			
9	Block SS-09, Bangladesh	Exploration	17.02.2014 (PSC signed)	Exploration phase	Commitment 1 well is to be drilled in Phase-1			0.83	1.95	NIL	NA	Exploration Phase -I (upto 16.02.2019) is ongoing.
10	Block PSC B-2, Myanmar	Exploration	08.08.2014 (PSC Signed) Commencement date of operations is from 01.01.2016	Exploration phase	Commitment 2 wells are to be drilled			0.02	1.06	NIL	NA	Preparation is ongoing for conducting EIA / SIA study in the block before conducting of seismic survey.
11	Block PSC EP-3, Myanmar	Exploration	08.08.2014 (PSC Signed) Commencement date of operations is from 01.01.2016	Exploration phase	Commitment 2 wells are to be drilled			0.02	1.05	NIL	NA	Preparation is ongoing for conducting EIA/SIA study in the block before conducting of seismic survey.
12	Block- PEP 57090, New Zealand	Exploration	09.12.2014 (PSC Signed) effective from 01.04.2015	Exploration phase	Exploration Permit commenced on 1st April 2015 has term of 12 years. It may be extended up to 15years			0.06	0.46	NIL	NA	3D Siesmic Data Acquisition and Processing is planned.

Annexure – III

OIL INDIA LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECTS COSTING ABOVE ` 100.00 CRORES PROGRESS AS ON 31.12.2015

Sl. No.	Project	Physical Progress	Financial Progress
1	Purchase of two (02) numbers, 2000 HP Drilling Rig	a. Third Party Inspection of both the rigs by M/s Oilfield Audit Services Inc. completed on 28.11.2015	NIL
		b. Pre-dispatch inspection by OIL team completed on 11.12.2015.	(as per order, 80% payment to be made on delivery of the rigs and remaining 20% after installation and commissioning)
		c. Expected date of shipment of the rigs from Tianjin/ Shanghai Seaport is 15.01.2016 and expected date of arrival at Duliajan, Assam on 30.04.2016. Installation & Commissioning is expected to start in May, 2016.	
2	Construction of Secondary Tank Farm with Dehydration Facility and Effluent Treatment Plant at Madhuban (Well # 50)	a. Total Physical Progress: 10.05%	Actual: Rs 1.50 Crores
		b. Pre award of EPC, Project Progress is 83.73%	
3	Upgradation of Crude oil pump stations of Existing Naharkatiya-Barauni Crude Oil Trunk Pipeline System	a. Total Physical Progress: 87.10 %	Actual: Rs 455.47 Crores
		b. Expected Project Completion by: August, 2016	
4	9 MWp Solar Energy Power Plant	a. Physical Progress: 25%	Actual: Rs 4.71 Crores
		b. Expected date of commissioning: 29.02.2016	

GAIL INDIA LIMITED

STATEMENT - I

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING UPTO COSTING UPTO ₹ 100 CRORES

₹ IN CRORE

Sl. No.	Particulars	Objective of	Physical Progress			Financial Progress (₹ Crore)			Time/Cost	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
1	KCGVK Vemagiri (20"X 41 Km Pipeline)	Natural Gas is an environment friendly gas and is used to substitute Naphtha and other fuels. It is non toxic and lighter than air. To supply gas to M/s GMRREL.	Dec' 2012	Jul-15	100.00%	91.28	51.1	51.10	Time overrun-Yes. Cost overun-No	Pipeline Commissioned on 15.07.2015
2	Lingala Kaikaluru (8" X 45 Km, 6"& 4" - 15 Km)	Interconnection of Lingala- Kaikaluru Isolated Field Grid with KG basin Pipeline Network for connecting new consumers / operational flexibility	Dec' 2012	Mar-16	0.97	52.26	No Change	48.71	Time overrun-Yes. Cost overun-No	Site work is under progress.

GAIL INDIA LIMITED

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING

₹ IN CRORE

₹ 100 CRORES AND MORE

Sl. No.	Particulars	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Crore)			Time/Cost overrun	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
1	Kochi-Koottanand-Bangalore-Mangalore Pipeline Project	M/s Petronet LNG is setting up 2.5 MMTPA LNG terminal at Kochi. This pipeline is being laid to evacuate the R-LNG for distribution to consumers in the States of Kerala, Tamilnadu and Karnataka.	Dec-12	June'15	Phase-I gas in commenced in August 2013Phase-II : Completion schedule is 30 months after obtaining favourable judgement from Hon'ble Supreme Court and avaiability of hindrance free RoU.Schedule/ Actual: 83/82.62 (%) Out of 278 Km, total 266 Km welding & 262 Km lowering completed	2765	2915	1380	Time overrun-Yes. Cost overun-No	Work in Tamil Nadu (~ 310 Km) is standstill from April 2013 due to Order of Govt. Of Tamil Nadu, followed by legal dispute in High Court of Chennai (April – Nov'13) and subsequent legal dispute in Hon'ble Supreme Court since Nov'13.Hon'ble Supreme Court has given Judgment dated 02.02.2016 in favour of GAIL on the SLP of Govt of Tamilnadu against GAIL. Hon'ble Supreme Court dismissed the SLP filed by Govt of Tamilnadu and other associated SLP's filed against the judgments / orders passed by Hon'ble Chennai High Court. However, Govt of Tamilnadu have filed review petition on 08.02.2016 in Supreme Court against the above judgment. Slow work progress in Kerala (~509 Km) due to severe resistance from farmers / land owners and later on completely stopped. Construction works could not even start in stretch of 200 Km (Kannur, Malappuram and Kozhikode districts) due to violent protests. With the intervention of

GAIL INDIA LIMITED

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING ₹ 100 AND MORE

₹ IN CRORE

Sl. No.	Particulars	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Crore)			Time/Cost overrun	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
2	VKPL Spur lines and Connectivity to Chittorgarh	Augmentation and New Connectivity to Variouscustomers in Chittorgarh	June '2011	March'2016	Out of 278 Km, total 266 Km welding & 262 Km lowering completed	463	No change	316	Time overrun-No. Cost overun-No	Government of Kerala, the Survey and Panchnama activities for RoU opening activities have started since 1st June 2015. Panchanama activity completed for 170 Km after restart of activities from June'15 onwards (cumm. 368 Km panchnama completed out of 503 Km). Reasons for Delay :1. Complexity of terrain of HDD of Chambal River and adjoining areas.2. Restriction of working in Wild life sanctuary area.3. Rocky strata and restriction of blasting in forest area and Wild life area.4. Delay in MOEF clearance,Forest permission and in RoU acquisitions.5. Contractual issues with Laying & Construction contractors.

GAIL INDIA LIMITED

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING ₹ 100 AND MORE

₹ IN CRORE

Sl. No.	Particulars	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Crore)			Time/Cost overrun	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
3	KG Basin Pipeline Replacement Phase-I&II	Replacemnet of existing pipeline to cater the demand of Gas in KG Basin Region customers	Jan '17	-	Phase-I :Gas in done in 20 Km section of Spread-C from Oduru to KakinadaConstruction status :94.19 Km RoU handed over, 83.87 Km welding completed and 74.51 Km Lowering completed. Phase-II: work is under progress at site.Schedule/ Actual: 89.4 / 85.5 (%)	761	_	255	Time overrun-No. Cost overun-No	Construction status : 94.19 Km RoU handed over, 83.87 Km welding completed and 74.51 Km Lowering completed. Gas in done in 20 Km section of Spread-C from Oduru to Kakinada
4	Gujarat Region replacement Project	Replacemnet of existing pipeline to cater the demand of Gas in Guajarat Region customers	Jan '17	-	Line Pipe avaialble at site. Laying & Construction work contracts awarded on 20.01.2016.	716	-	194	Time overrun-No. Cost overun-No	Work in progress
5	Cauvery Basin region replacement Project	Replacemnet of existing pipeline to cater the demand of Gas in Cauvery Basin Region customers	Jan'17	-	Line Pipe avaialble at site. Laying & Construction work contracts awarded on 20.01.2016.	134	-	33	Time overrun-No. Cost overun-No	Work in progress

GAIL INDIA LIMITED

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING ₹ 100 AND MORE

₹ IN CRORE

Sl. No.	Particulars	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Crore)			Time/Cost overrun	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
6	Phulpur- Haldia Pipeline Phase-I (Jagdishpur-Haldia P/L)	To Supply Natural gas for various sources to the customer in West Bangal, Jharkhand Bihar & UP.	36 months after 3(i) notification.	-	Part-A : Work is under progress at site. Part-B: Procurment of Linpipe & Line materials is under progress. Schedule/Actual: 10.5 / 9.6 (%)	3957	3561	26	Time overrun-No. Cost overun-No	Natural gas pipeline from Jagdishpur in Uttar Pradesh to Haldia in West Bengal to meet the energy needs of various industries (viz. Fertilizer Plants, Power Plants, City Gas Distribution etc.) enroute the Pipeline. The gas source for Jagdishpur – Haldia Pipeline was originally the KG D-6 Gas (Source – RIL) and Mahanadi Gas (ONGC) which was to be fed at Haldia through Kakinada – Haldia Pipeline.As the Kakinada – Haldia Pipeline did not come up and also as no anchor load customers have signed agreements with GAIL for gas supply, GAIL could not initiate the project execution activities despite completing the detailed route survey and basic engineering works. Due to the recent developments wherein revival plans of few fertilizer plants enroute this Pipeline has been indicated by Government of India,

GAIL INDIA LIMITED

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING ₹ 100 AND MORE

₹ IN CRORE

Sl. No.	Particulars	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Crore)			Time/Cost overrun	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
7	Surat - Paradip P/L Project	To supply Natural Gas to potential consumers in Gujarat, Maharashtra, Chhattisgarh & Orissa.	36 months after 3(i) notification	–	Project on hold due to no anchor load customer en-route the pipleine	10281	No Change	1	Time overrun-Yes. Cost overun-No	GAIL Board in its meeting on 9.3.2015 has approved execution of this pipeline in phases with Phase-I at a cost of Rs. 3957 Cr. which is further revised as Rs. 3561 Cr. 1.The project is delayed due to lack of anchor load customers & upstream source point.2. PNGRB has been requested for extending the execution period for another 36 months.3. Survey work for 1000 Km has been awarded in Oct'15 and the same is under progress.

GAIL INDIA LIMITED

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING ₹ 100 AND MORE

₹ IN CRORE

Sl. No.	Particulars	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Crore)			Time/Cost overrun	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
8	Vijaipur Auraiya Phulpur Spurline Project	To supply Natural Gas to potential consumers in M.P. & U.P. and also to provide connectivity to Phulpur-Haldia Pipline.	36 Months from first 3(1) gazette notifcation	-	Vijaipur –Auraiya Section (Phase-I) : 36" x 357 Km Auraiya - Phulpur Section(Phase-II) : 24" x 315 Km	4309	-	0	Time overrun-No. Cost overun-No	Detailed Route survey completed. Tender for crossing permissions floated.
9	Petrochemical Complex II at Vijaipur and Pata	Meeting the polymer demand in the country	Feb'14	Dec'14	100 % as on 31.12.15	8140	Shall be worked out on project close-out. No change NA	7818	Time overrun-Yes. Cost overun-Yes	1. Mechanical completion of the project achieved in Dec'14.2. Project is commissioned.3.The preliminary revised cost worked out to Rs 8752 crores for commitment purposes. The commitment for the project as on 31.12.2015 is Rs. 8412 Crores. The final project cost is being worked out as per project closure and capitalization data.
10	Exploration & Production	Improved Energy Security for the nation	Drilling as per drilling plan of Operator	No change	Drilling as per drilling plan of Operator and Commitments under Production Sharing Contracts	Different cost for different blocks		3952	NA	

GAIL INDIA LIMITED

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS MAJOR PROJECT /SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS PROJECT /SCHEMES COSTING ₹ 100 AND MORE

₹ IN CRORE

Sl. No.	Particulars	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Crore)			Time/Cost overrun	Remarks
			Original Date of Completion	Revised Date of Completion	Cumulative Physical Progress upto 31.12.2015	Original Cost	Revised Cost	Cumulative Financial Progress upto Dec		
11	PBR Project	To venture into elastomers business; produce Poly Butadiene Rubber to cater to the Indian tyre Industry	36 months from zero date	NA	NA	2574		0	NA	PBR Project was approved by GAIL Board with a capex of Rs. 2575 crore. As the term sheet for supply of Butadiene could not be finalized with OPaL, the project is kept under hold.

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

A. IMPORTANT PROJECTS COSTING BELOW Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress							
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	ATF Pipeline from Mourigram to AFS Gouripur at Kolkata	Cost effective and reliable movement of ATF to Kolkata AFS	October 2012	March 2016	77.20	45.00 (May'2009)	-	45.00	26.74	30.43	* / Cost overrun- Nil	*Poor performance of mainline and CSW contractor	Work offloaded to another agency.
2	Installation of Pumping Facilities at Kandla for Kandla-Viramgam Pipeline		24 months after receipt of statutory clearance.	-	11.70	91.00(November '2014)	-	91.00	0.44	0.44	No Time/ Cost overrun	NA	NA
3	Panipat-Kohand LPG Pipeline		18 months after receipt of statutory clearance.	-	0.80	20.00 (July'2015)	-	20.00	0.00	0.00	No Time/ Cost overrun	NA	NA

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
1	Paradip Refinery Project (Grassroots refinery)	To meet projected petroleum products deficit in Eastern India as well as to capture export potential and integrate the refinery with petrochemicals (in future) to derive maximum value of hydrocarbon chain.	November,2012 (Org) November,2013 (Rev)	Refinery dedicated to the nation by Hon'ble PM on 07.02.2016	98.90	29777.00 (February' 2009)	34555.00 (October' 2014)	34555.00	28733.00	30818.63	16-26 Months (w.r.t Rev. Sch.)	**Time Overrun :**1) Slow construction progress of Offsite & Utility contractor M/s KSS due to financial crunch being faced by them2) Delay in construction of Power Plant by BHEL resulting in delay of availability of Power & Steam (about 29-35 months).3)	**Remedial measures taken :**1) Financial assistance provided in form of addl advances and deferment of recovery of principle amount, creation of rolling funds, deferment of Price Reduction (PRC) etc. payment. Addl. agencies inducted for part offloading. IOCL sought intervention of Ambassador of Kazakhstan in India as well as assistance from Indian High Commissioner at Kazakhstan. Matter taken up with Shri LN Mittal, stake

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress			Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost					
1	2	3	4	5	6	7	8	9	10	11	12	13	
												Financial crunch is being faced by all major contractors due to extended construction period and high establish ment costs resulting in inadequate mobilization of required manpower thus impacting construction progress.4) Law & Order problems and frequent	holder of KSS.2) Regular review with Director/ CMD level. Help by way of intervention from MoP&NG / Addl. Secy (Cabinet Sectt.) is being taken. 3) Financial assistance to contractors/ vendors (like deferment of Price Reduction Clause till 85% payment is reached, addl interest bearing advances against BG on case to case basis, direct payment to sub-contractors / vendors)4) Continuous liaisoning with Dist. Authorities

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress			Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost					
1	2	3	4	5	6	7	8	9	10	11	12	13	
												demons tration / dharnas by locals and unions at Paradip site resulting in en-mass desertion of labour from site in groups creating acute shortage of skilled manpower as well as loss on man-hours. About 7.1 lakh productive mandays lost since 2011. 5)	and GoO. Law & Order situation has since improved5) IOCL decided to go for own CPP. Job awarded to BHEL in Feb'106) On IOCL plead, Supreme Court put stay on High Court order. Work resumed in Jul'12 and job completed. 7) Matter taken up with PPT, MoP&NG and Ministry of Shipping. In Feb'11 it was decided that Jetty will be constructed by IOCL & dredging to be done by PPT. For obtaining EC &

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress			Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost					
1	2	3	4	5	6	7	8	9	10	11	12	13	
												Backing out of Tata Power from Power Plant JV due to uncertainty in land acquisition / coal linkages, entailing delay of almost a year for start of Engineering related to CPP.6) Stay imposed by High Court on Raw Water intake jobs at	FC, matter pursued with Govt authorities both at Centre/ State level and all clearances are received.8) Formation of IOCL expediting team for equipment/bulk in addition to expediting by Consultants / LSTK contractors. All equipment/bulks have been received.9) Pursued with CEO/MD of contractors & labour returned progressively.**Other Actions:**1) Monthly review by Director2) Regular Sr.

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress							
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	
												Mahanadi, Cuttack delayed the Raw Water line job by one year. There was further delay in getting permission from DoWR, GoO for laying Raw Water line at Cuttack city.7) Delay in construction of South Jetty due to backing out of PPT on viability issue.	Mgmt. reviews with critical contractors3) Review by Addl. Secy (Cabinet Sectt) for critical issues of the project regularly4) Lining-up additional agencies for taking up part jobs of poor performing contractors as well as for Interface jobs etc

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress			Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost					
1	2	3	4	5	6	7	8	9	10	11	12	13	
												There was further delay in getting Environment & Forest clearances.8) Delay in delivery of Equipment & Bulk (fittings/ flanges/ valves) by vendors9) Construction progress was impacted about 3 months due to cyclone (Phailin) in Oct'13	

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES
COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
2	Distillate Yield Improvement (Coker) PJ at Haldia	• Distillate Yield Improvement • Enable increase in High Sulphur Crude processing. • Black Oil Upgradation.	September 2017 (Org) March 2018 (Rev)	Anticipated: December 2017	11.30	3076.00 (March'2014)	NA	3076.00	91.65	164.88	-	Project was initially envisaged in LSTK mode. However, due to high quote by LSTK contractor in Package-1, mode of execution has been changed to conven-tional (EPCM). This has impacted the schedule.	Revised Board approval accorded on 18.12.15 with completion schedule Mar'18

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
3	Coke chamber replacement and installa-tion of allied modernised facilities in Coker - A unit at Barauni Refinery	To improve the reliability and safety of unit by installing two new coke chambers in place of 4 existing coke chambers, with automatic heading / unheading system for coke chambers, which will significantly contribute to yield and energy saving.	February 2016	Anticipated : July 2016	68.80	480.00 (April'2013)	NA	480.00	23.70	126.43	Time overrun in antici-pated comple-tion: 5 months	1) Initial delay in lining up of PMC 2) Retender ing of Mech works contract	1) All critical equipment ordered timely and vendors were given stretched target with reduced delivery by 2 to 2.5 months. 2) Composite works including Mechanical, Electrical & Instrumentation and Flare jobs awarded to minimise schedule.

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress							
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	
4	Reverse osmosis plant for ETP at Gujarat Refinery	To setup tertiary treatment plant using reverse osmosis (RO) for dissolved solids removal, of capacity 1200 M3/Hr (at inlet of RO skid)	March 2014 (Org) February 2016 (Rev)	Anticipated : May 2016	62.00	160.00 (Decem-ber'2012)	NA	160.00	2.32	35.07	Time overrun in antici-pated comple-tion: 3 months	Generally, such type of project takes about 18-19 months for comple-tion. Compress schedule was given to LSTK contrac-tor.	Sr. Mgmt. Review meeting being held on monthly basis with LSTK contractor and PMC (M/s EIL). All out effort are being made to catch-up the schedule.

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
5	Demonstra-tion unit of INDAdeptG at Guwahati Refinery	• Demonstra-tion unit to establish INDAdeptG technology developed by IOCL-R&D. • Enable Guwahati Refinery to produce BS-IV MS.	November 2015(Org) July 2016 (Rev)	Anticipated : July 2016	69.70	123.10 (including OIDB contribution of Rs. 88.5 crore) (Novem-ber'2012)	163.88 (including OIDB contribution of Rs. 88.5 crore) (Febru-ary'2014)	163.88	14.86	50.18	No Time & Cost overrun	N.A	N.A
6	Installation of feed preparation unit at Haldia Refinery	Production of additional 52 TMTPA of GR-II LOBS with a reduction of extract as black Oil	November 2016 (Org)	Anticipated : November 2016	64.60	141.00	NA	141.00	0.59	28.62	No Time & Cost overrun	N.A	N.A

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress							
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	
7	Petcoke Project at Paradip	Setting up a 1.3 MMTPA petcoke evacuation facility with Rapid Rail loading system (RRLS) & allied facilities.	March 2017 (Org)	Anticipated : March 2017	13.80	238.50 (March'2014)	NA	238.50	0.00	1.07	No Time & Cost overrun	N.A	N.A
8	Paradip petrochemi-cals phase-I, Polypropylene project	To produce different grade of polypropy-lene using propylene generated from INDMAX unit at Paradip Refinery	September 2017 (Org)	Anticipated : September 2017	11.60	3150.00 (March'2014)	NA	3150.00	96.36	111.66	No Time/ Cost overrun	N.A	N.A

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
9	Paradip-Raipur-Ranchi Product Pipeline	Transportation of petroleum products from Paradip upto Raipur & Ranchi. Capacity: 5.0MMTPA	September 2012 (Org)/ Revised Approved date: December 2015 (By PNGRB)	Anticipated : 'May2016 except Jharsuguda-Khunti section	86.95	1793.00 (August' 2009)	NA	1793.00	1087.70	1261.12	Time overrun-5 months is anticipated w.r.t. time extension given by PNGRB upto Dec 2015 Cost overrun-Nil	Project is delayed due to late receipt of statutory clear-ances and frequent disrup-tions of the land-owners. Jharsu guda-Khunti section will be commis-sioned with 8 months after posses-sion of additional land at Khunti	

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
10	Debottlenecking of SMPL system	Debottlenecking of existing SMPL system leading to capacity enhancement from 21 to 25 MMTPA	30 months after receipt of statutory clearance.	Anticipated : March 2016 (excluding laying of 57 km of mainline in Banaskantha district in Gujarat, which awaits 2nd stage Forest Clearance)	88.50	1584.00 (Decem-ber'2009)	NA	1584.00	1193.37	1366.24	No Time/ Cost overrun	NA	NA
11	Paradip-Haldia-Durgapur LPG Pipeline	Cost effective, environment friendly and reliable movement of LPG upto Durgapur Capacity: 0.85 MMTPA	30 months after receipt of statutory clearance.	Anticipated : December,2016 (Forest clearance in Odisha is yet to be received.)	65.20	913.00 (Febru-ary'2011)	NA	913.00	379.89	460.06	No Time/ Cost overrun	NA	NA

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
12	Augmentation of PHBPL	Augmentation of existing PHBPL system	August 2015	Anticipated : March 2016 (Excluding station works at Balasore)	83.90	586.00 (August' 2011)	NA	586.00	295.67	407.88	Time overrun -7 Months / Cost overrun- Nil	Delay in acquisition of pump station land at balasore by Govt. of Odisha	Physical possession of the land was taken in November 2014.
13	Augmentation of FF system at tank farm location	Project envisages revamp of fire water network related facilities at crude oil storage tank farm locations for implementation of revised mandatory OISD-STD-117 norms.	March 2013	Anticipated : March 2016	93.80	584.06(June' 2011)	NA	584.00	316.69	432.12	Time overrun - 36 Months /Cost overrun- Nil	Delay in finalization of speci fications for Rim Seal Fire Protection system	NA

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
14	CBR-Trichy pipeline	Cost effective and reliable movement of product from CBR to Trichy ToP	April 2014	Completion will take minimum 12 months (including retendering, award of works and execution) clearance from Govt. of Tamil Nadu	62.96	98.00 (November' 2010)	124.00 (October' 2012)	124.00	81.57	83.56	$/Cost overrun- Nil. Due to project being on hold, cost-overrun can not be anticipted at this stage.	$As a fall out of Tamil Nadu's Govt. order dated 2.4.2013 regarding GAIL's gas pipeline restraining laying of pipeline across agricultural fields. The matter was sub-judice in Supreme Court since Novem-ber 2013. Hon'ble Supreme Court has	Sustained follow-up maintained with State Govt. MoP&NG and Cabinet Committee on Investment-Project Monitoring Group have also been requested to resolve the issue.

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress							
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
1	2	3	4	5	6	7	8	9	10	11	12	13	
												passed the judgement in favour of GAIL on 2.2.2016. It is under-stood that Govt. of Tamil Nadu is consider-ing to file a review petition.	

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
15	Ennore-Pondicherry-Trichy LPG Pipeline	Cost effective, environment friendly and reliable movement of LPG to bottling plants at Pondicherry, Trichy & Madurai	30 months after receipt of statutory clearance.	30 months after receipt of statutory clearances or favourable judgment by the Supreme Court in GAIL's case and clearance from Tamil Nadu Govt., whichever is later.	6.80	711.00 (May'2013)	N A	711.00	4.80	7.48	Time/Cost overrun can not be anticipated at this stage as the project is on hold	The project is on hold due to similar reasons as explained for CBR-Trichy PL.	N A

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress				Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost	Cumulative Expenditure upto 31.03.15				
1	2	3	4	5	6	7	8	9	10	11	12	13	
16	Replacement of MLPUs in SMPL	Old engine driven MLPUs will be replaced with new generation energy-efficient motor driven MLPUs having less mainte-nance requirements and improved reliability. The system will also conform to the existing stringent exhaust and noise emission norms.	June 2012	Anticipated : March 2016	87.10	330.00 (Decem-ber'2009)	NA	330.00	73.78	130.11	Time overrun - 45 Months /Cost overrun- Nil	NA	NA

INDIAN OIL CORPORATION LTD.

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES COSTING UPTO ₹ 100 CRORE

₹ IN CRORE

B. IMPORTANT PROJECTS COSTING ABOVE Rs.100 crore - UNDER IMPLEMENTATION :

Sl. No	Project Name/ Description	Objective of the Project / Scheme	Physical Progress			Financial Progress			Cumulative Expenditure upto 31.03.15	Cumulative Expenditure upto 31.12.15	Time /cost overrun	Reasons for Time / Cost over run	Remedial measures taken/ proposed
			Original Date of completion/ Commissioning; Revised approved commissioning date	Anticipated Date of Completion/ Commissioning	Cumulative % Physical Progress upto 31.12.2015	Original cost (Date of Approval)	Revised Cost (Date of Approval if any)	Ancitipated cost					
1	2	3	4	5	6	7	8	9	10	11	12	13	
17	Paradip-Hyderabad Pipeline	Cost effective, environment friendly and reliable movement of products	36 months after receipt of statutory clearances	-	1.75	2321.00 (January 2015)	NA	2321.00	0.30	1.50	No Time/ Cost overrun	NA	NA
18	Augmentation of PHDPL and its extension upto Patna and Muzzaffarpur	Cost effective, environment friendly and reliable movement of LPG	36 months after receipt of statutory clearances	-	1.60	1823.00 (January 2015)	NA	1823.00	0.00	0.86	No Time/ Cost overrun	NA	NA

STATEMENT - I

HINDUSTAN PETROLEUM CORPORATION LIMITED

PHYSICAL & FINANCIAL PROGRESS REPORT OF VARIOUS PROJECT/SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS

PROJECTS 2014-15 SCHEMES COSTING UPTO ₹100 CRORES

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Cost (₹ Crore)			Time/Cost overrun	Reasons for time/ Cost Overrun	Remedial measures taken
			Original Date of Completion	Revised date of completion	Cumulative Physical Progress upto 31.3.2015	Original Cost (Date of Approval)	Revised Cost (Date of Approval if any)	Cum Financial Progress upto 31.03.15			
1	Storage Cap Augmentation-Hubli	Storage Augmentation of 1950 MT	Nov-12	Dec-13	100%	Rs.24.2 crs. Dec-11		28.07	Time overrun	Revised Environmental clearance for 3 x 650 MT instead of 2 x 1000 MT, cause for delay of the project	Project Commissioned
2	New LPG Plant at Solapur	Construction of 120 TMTPA LPG Bottling Plant	Sep-13	18 months from Env Clearance	74.04%	Rs.82.6 crs. Dec-11		57.20		Land acquisition and lease registration completed in June 12. Environment clearance received in December 2013. Also, Work hampering due to heavy rain during June to September 14 & shortage of sand / murrum caused by restriction on quarrying by MPCB, causes for delay of the project	

STATEMENT - I

HINDUSTAN PETROLEUM CORPORATION LIMITED

PHYSICAL & FINANCIAL PROGRESS REPORT OF VARIOUS PROJECT/SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS

PROJECTS 2014-15 SCHEMES COSTING UPTO ₹100 CRORES

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Cost (₹ Crore)			Time/Cost overrun	Reasons for time/ Cost Overrun	Remedial measures taken
			Original Date of Completion	Revised date of completion	Cumulative Physical Progress upto 31.3.2015	Original Cost (Date of Approval)	Revised Cost (Date of Approval if any)	Cum Financial Progress upto 31.03.15			
3	New LPG Plant at Bhopal	Construction 100 TMTPA LPG Bottling Plant	Mar-16	18 months from Env Clearance	24.83%	Rs.95.95 crs.May -12		27.52	Time overrun	Environmental Clearance received In January, 2015. Project work is in progress as per revised schedule	

STATEMENT - I

HINDUSTAN PETROLEUM CORPORATION LIMITED

PHYSICAL & FINANCIAL PROGRESS REPORT OF VARIOUS PROJECT/SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS

PROJECTS April to December 15 SCHEMES COSTING ₹100 CRORES OR MORE

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Cost (₹ Crore)			Time/Cost overrun	Reasons for time/ Cost Overrun	Remedial measures taken
			Original Date of Completion	Revised date of completion	Cumulative Physical Progress upto 31.3.2015	Original Cost (Date of Approval)	Revised Cost (Date of Approval if any)	Cum Financial Progress upto 31.03.15 (Prov.)			
1	Diesel Hydrotreater at MR	Production of EURO IV compliant Diesel as per Auto Fuel policy	Sept'11	May 2012 for SRUMar 12 for all facilities	99.87%	3,283.74 (05.03.2009)	2174.00 26.03.11 2333.00 (27.11.2015)	2,132.19		There is no cost over run. Unit is already commissioned except for Sea Water cooling and Horizontal Boring work. Time delay in mechnaical completion compared to revised date of completion is mainly due to : i)Delay in receipt of Recycle Gas Compressor from BHEL ii)Delay in critical detailed engineering activity by PMC iii)Slow progress of SRU by M/s Linde and iv) delay in completion of Utilities and Offsite packages	Maintained regular follow up to expedite the balance works. Additionally parallel plans were drawn by which all utilities were made available from existing facilities and the overall project was commissioned.

STATEMENT - I

HINDUSTAN PETROLEUM CORPORATION LIMITED

PHYSICAL & FINANCIAL PROGRESS REPORT OF VARIOUS PROJECT/SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS

PROJECTS April to December 15 SCHEMES COSTING ₹100 CRORES OR MORE

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Cost (₹ Crore)			Time/Cost overrun	Reasons for time/ Cost Overrun	Remedial measures taken
			Original Date of Completion	Revised date of completion	Cumulative Physical Progress upto 31.3.2015	Original Cost (Date of Approval)	Revised Cost (Date of Approval if any)	Cum Financial Progress upto 31.03.15 (Prov.)			
2	CALICO LAND CAVERN / TANKAGE	Construction of Storage tanks for white oil and associated pumping facilities (Phase-I)	Mar'17		Project has been merged with Mumbai Refinery Master Plan Project	Rs. 285 Cr. (9.11.2012)		Nil			Project has been merged with Mumbai Refinery Master Plan Project
3	Mumbai Refinery Master Plan (MRMP) - Phase I	Enhancing crude refining capacity from 7.5 MMTPA to 9.5 MMTPA , relocation of Tank Farm in Calico land, revamp of MS Block / DHT units to produce Euro V / VI grade petrol and diesel	36 months from the Date of EC		Not Applicable as EC is yet to be received	Rs.4199 crs. 29.09.2015		17.95		Not applicable	Application for Public Hearing has been submitted with MPCB on 31/12/15, as part of the process of getting EC.

STATEMENT - I

HINDUSTAN PETROLEUM CORPORATION LIMITED

PHYSICAL & FINANCIAL PROGRESS REPORT OF VARIOUS PROJECT/SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS

PROJECTS April to December 15 SCHEMES COSTING ₹ **100 CRORES OR MORE**

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Cost (₹ Crore)			Time/Cost overrun	Reasons for time/ Cost Overrun	Remedial measures taken
			Original Date of Completion	Revised date of completion	Cumulative Physical Progress upto 31.3.2015	Original Cost (Date of Approval)	Revised Cost (Date of Approval if any)	Cum Financial Progress upto 31.03.15 (Prov.)			
4	LPG pipeline from BPCL Uran to Chakan (Pune) LPG pipeline from BPCL Uran to Chakan (Pune)	For evacuation of LPG production of MR from BPCL Uran LPG to Chakan LPG Bottling Plant For evacuation of LPG production of MR from BPCL Uran LPG to Chakan LPG Bottling Plant	Oct. 2015	March'17	78.00%	154.91 (HPCL's share) 27-12-09	231.39 (HPCL's share) 26-03-14	148.58	Nil	Joint Project with BPCl. HPCL is executing the Project. Anticipated date of mechanical completion is March 17, due to delay in getting Forest Clearance for 11 km. & RoU acquisitions	

STATEMENT - I

HINDUSTAN PETROLEUM CORPORATION LIMITED

PHYSICAL & FINANCIAL PROGRESS REPORT OF VARIOUS PROJECT/SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS

PROJECTS April to December 15 SCHEMES COSTING ₹100 CRORES OR MORE

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Cost (₹ Crore)			Time/Cost overrun	Reasons for time/ Cost Overrun	Remedial measures taken
			Original Date of Completion	Revised date of completion	Cumulative Physical Progress upto 31.3.2015	Original Cost (Date of Approval)	Revised Cost (Date of Approval if any)	Cum Financial Progress upto 31.03.15 (Prov.)			
5	Rewari Kanpur Pipeline	442 km long Cross Country Pipeline from Exisitng Rewari Tap off Stn of MDPL to Kanpur terminal with TOP's at exisitng Mathura & Bharatpur depot. Pipeline is to feed UP, part of Bihar & MP market. Objectuve is to ensuring product supply in North zone	Nov'15	-	100.00%	Rs 1210.64 Crore (09.02.2012)	Rs.1446.34 crs 05.12.2014	1256.13	Nil	Project commis-sioned in October 15, ahead of schedule date and within the approved cost	Project Commissioned in October 15

STATEMENT - I

HINDUSTAN PETROLEUM CORPORATION LIMITED

PHYSICAL & FINANCIAL PROGRESS REPORT OF VARIOUS PROJECT/SCHEMES OF MINISTRY OF PETROLEUM AND NATURAL GAS

PROJECTS April to December 15 SCHEMES COSTING ₹100 CRORES OR MORE

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Cost (₹ Crore)			Time/Cost overrun	Reasons for time/ Cost Overrun	Remedial measures taken
			Original Date of Completion	Revised date of completion	Cumulative Physical Progress upto 31.3.2015	Original Cost (Date of Approval)	Revised Cost (Date of Approval if any)	Cum Financial Progress upto 31.03.15 (Prov.)			
6	LPG Pipeline from Mangalore-Hassan Mysore-Bangalore	For evacuation of LPG Production of MLIF and other imports in Mangalore to Bangalore & Mysore through proposed Mangalore Hassan Mysore Solur LPG Pipeline.	Nov-15	Nov'16	91.34%	Rs 666 crs(27.01.2011)	Rs 701 Crs(17.06.13) Rs.838 crs. (13.02.15)	556.12		Due to prolonged public unrest in ROU / land acquisitions, abnormal delay in MOEF forest diversion approval, Tree cutting permissions etc, Project's scheduled date of completion extended to November 16.	Project will be completed as per the revvised schedule
7	R&D Project	Creating in house R&D expertise and facilities	Jun-14	Oct-15	92.00%	Rs 312 Crores (Feb 09, 2012)	Rs.395 crs. 28.05.2015	260.06	Time overrun	Slow progress in work by main contractors M/s Lanco & M/s Natureview Landscape Pvt. Ltd due to financial crunch, is delaying the project	High level regular ineraction with M/s Lanco & M/s Natureview Landscape & regular monitoring of the project is made to speed up the work

NAME OF THE PSU : BHARAT PETROLEUM CORPORATION LTD. (100 CR. & ABOVE)

Sl. No.	Name	Objective of the Project/Scheme	Physical Progress				Financial Progress					Fin. Prog. (%)	Cumulative Fin. Progress (%) upto 31.12.2015 (Provl.)	Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks	Reme-dial mea-sures taken / proposed
			Original date of Completion	Revised / Anticipated Date of completion	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2015	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Ant. Cost (Rs.in Cr.)	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)						
1	**Replacement of CDU/VDU at Mumbai Refinery**	The project envisages installation of new state of art integrated Crude & Vacuum Distillation unit (CDU-4) of capacity 6.0 MMTPA with 30% design margin as a replacement of old Crude and Vacuum units (CDU-1, CDU-2, FPU & HVU).	Dec. 2014	March 2015		The project has been commissioned in Noember 2015. N.A.		1419.00	1419.00				The cum. Exp upto Dec.'15 is Rs.129163 crores	Time overrun - 11 months No cost overrun		The project has been commissioned in November 2015. N.A.	

NAME OF THE PSU : BHARAT PETROLEUM CORPORATION LTD. (100 CR. & ABOVE)

Sl. No.	Name	Objective of the Project/Scheme	Physical Progress				Financial Progress					Fin. Prog. (%)	Cumulative Fin. Progress (%) upto 31.12.2015 (Provl.)	Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks	Reme-dial mea-sures taken / proposed
			Original date of Completion	Revised / Anticipated Date of completion	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2015	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Ant. Cost (Rs.in Cr.)	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)						
2	**Integrated Refinery Expansion Project (IREP) at Kochi Refinery**	To expand the capacity of the refinery by 6.0 MMTPA which will be facilitated by installing a new state of the art Crude distillation Unit of 10.5 MMTPA so as to replace the existing old 4.5 MMTPA CDU-1 which is not energy efficient. Associated process units like Delayed Coker Unit, FCCU, VGO HT, DHT Sulfur Recovery Unit (SRU), Hydrogen Generation Unit (HGU), Sour Water Stripper etc are included in the project. Matching Utilities and Off-site facilities are	May-16	-	-	Act : 91.55%	14225.00	14225.00	16504.00	166.81	1.01	Sch: 2.13% Act: 1.80%	56.94% The cum. Exp upto Dec.'15 is Rs. 9397.86 crores	N.A.		IREP site declared as strike-free zone. Out of a total of 2062 equipment, 2000 received at site and 1486 erected on foundations. Erection of 3rd module of derrick structure completed at the CDSP package, DCU. Laying of UG piping work commenced in NHT ISOM by M/s K B Tech. Stack module erection completed for Heater A in DCU. 3rd section of C 3 stripper erected at	

NAME OF THE PSU : BHARAT PETROLEUM CORPORATION LTD. (100 CR. & ABOVE)

Sl. No.	Name	Objective of the Project/Scheme	Physical Progress				Financial Progress					Fin. Prog. (%)	Cumulative Fin. Progress (%) upto 31.12.2015 (Provl.)	Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks	Reme-dial mea-sures taken / proposed
			Original date of Completion	Revised / Anticipated Date of completion	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2015	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Ant. Cost (Rs.in Cr.)	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)						
		also envisaged as part of the project. A petrochemical integration is also envisaged alongwith this project.														FCCU. Instrument cable laying activities commenced at CPP by M/s OIL.The project has achieved an overall physical progress of 91.55% as on 31.12.15. N.A.	

NAME OF THE PSU : BHARAT PETROLEUM CORPORATION LTD. (100 CR. & ABOVE)

Sl. No.	Name	Objective of the Project/Scheme	Physical Progress				Financial Progress					Fin. Prog. (%)	Cumulative Fin. Progress (%) upto 31.12.2015 (Provl.)	Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks	Reme-dial mea-sures taken / proposed
			Original date of Completion	Revised / Anticipated Date of completion	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2015	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Ant. Cost (Rs.in Cr.)	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)						
3	**Pipeline for transfer of LPG from BPCL/HPCL Refiniery at Mumbai to Uran LPG Plant and additional storage at Uran**	Laying of 28 Km long, 10 " dia.submarine pipeline for transfer of LPG from BPCL and HPCL Mumbai refineries at Mahul to Uran LPG Plant to sustain uninterrupted operation of Mumbai refineries, by continuous and economic evacuation of LPG from both the refineries and construction of 3*900 MT mounded storage at Uran.	Dec.2012	Oct. 2014		The Project has been com-mis-sioned on 31.10.2014.		Rs.246.31 (Rs. 206.31 cr as 50% sharing with HPCL +Rs.40 croresfor mounded storage)	Rs.276.83 cr. Rs. 229.59 crore for P/ L as 50% sharing with HPCL + Rs. 47.24 crore for LPG Mounded storage				The Project has been commis-sioned on 31.10.2014.	N.A.		The Project has been commissioned on 31.10.2014. N.A.	

NAME OF THE PSU : BHARAT PETROLEUM CORPORATION LTD. (100 CR. & ABOVE)

Sl. No.	Name	Objective of the Project/Scheme	Physical Progress				Financial Progress					Fin. Prog. (%)	Cumulative Fin. Progress (%) upto 31.12.2015 (Provl.)	Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks	Reme-dial mea-sures taken / proposed
			Original date of Completion	Revised / Anticipated Date of completion	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2015	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Ant. Cost (Rs.in Cr.)	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)						
4	**Kota Jobner Pipeline**	The project envisages laying of 210 Km long 14 inch dia pipeline from Kota to Jobner, near Jaipur. It also involves construction of 5 no Sectionalising Valve station and 1 no intermediate pigging station.	Dec.'12 PNGRB allowed 36 months for completion upto **Dec.'15**	March 2015	Dec.2014	The Project has been com-mis-sioned on 31.03.2015.	276.27	276.27	276.27	4.86	1.76%	-	The Project has been commis-sioned on 31.03.2015.	N.A.	N.A.	The Project has been commissioned on 31.03.2015. -	

NAME OF THE PSU : BHARAT PETROLEUM CORPORATION LTD. (100 CR. & ABOVE)

Sl. No.	Name	Objective of the Project/Scheme	Physical Progress				Financial Progress					Fin. Prog. (%)	Cumulative Fin. Progress (%) upto 31.12.2015 (Provl.)	Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks	Reme-dial mea-sures taken / proposed
			Original date of Completion	Revised / Anticipated Date of completion	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2015	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Ant. Cost (Rs.in Cr.)	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)						
5	**Conversion of CRU to Isomeriza-tion Unit at Mumbai Refinery**	The project envisages conversion of Catalytic Reformer Unit (CRU) to Isomerization Unit (ISOM) alongwith associated facilities. This would enable Mumbai Refinery to meet 100% Euro IV MS prodouction w.e.f. Ausut 2017.	December 2016	Decem-ber 2016		40.1%		Rs.725 crores / December 2014	NA				13.82%	N.A.		NA	NA

NAME OF THE PSU : BHARAT PETROLEUM CORPORATION LTD. (100 CR. & ABOVE)

Sl. No.	Name	Objective of the Project/Scheme	Physical Progress				Financial Progress					Fin. Prog. (%)	Cumulative Fin. Progress (%) upto 31.12.2015 (Provl.)	Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks	Reme-dial mea-sures taken / proposed
			Original date of Completion	Revised / Anticipated Date of completion	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2015	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Ant. Cost (Rs.in Cr.)	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)						
6	**Installation of Diesel Hydrotreatment Unit (DHT) at Mumbai Refinery**	The proejct envisages installation of 2.6 MMTPA capacity DHD to meet the Government mandate of producing 100% BS-IV HSD w.e.f. April 2017.	December 2017	Decem-ber 2017		10%		Rs.2443 crores / May 2015	NA				4.11%	N.A.		NA	NA
7	**Propylene Derivatives Petrochemi-cal Project (PDPP) at Kochi Refinery**	The project envisages production of Niche Petrochemicals utilizing Polymer Grade Propylene produced from the Petro FCCU being set up as a part of IREP. PDPP project envisages production of Acrylic Acid, Oxo Alcholos and Acrylates.	May 2018	May 2018		Pre-project activi-ties are in progress		Rs.4588.29 crores / December 2014	NA				3.81%	N.A.		NA	NA

BHARAT PETROLEUM CORPORATION LTD. (UPTO 100 CR.)

Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress				Financial Progress				Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks
		Original date of Completion	Revised date of completion/ Commission-ing	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2014	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)			
Equity Investment in JVC - Central U.P. Gas Ltd.	Setting up of facilities / distibution of natural gas to domestic & commercial customers, through pipelines in the city of Kanpur and installation of CNG Outlets to feed the automobile sector.	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	15 March '05	N.A.	N.A.	N.A.	-	NA

BHARAT PETROLEUM CORPORATION LTD. (UPTO 100 CR.)

Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress				Financial Progress				Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks
		Original date of Completion	Revised date of completion/ Commission-ing	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2014	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)			
Equity Investment in JVC - Maharashtra Natural Gas Ltd.	Setting up of facilities / distibution of natural gas to domestic & commercial customers, through pipelines in the city of Pune and adjacent areas in Maharashtra except Mumbai and New Mumbai & Thane for supply of CNG to the household and automobile sector.	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	Rs.22.5 cr / 7.7.04	N.A.	N.A.	N.A.	-	NA

BHARAT PETROLEUM CORPORATION LTD. (UPTO 100 CR.)

Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress				Financial Progress				Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks
		Original date of Completion	Revised date of completion/ Commission-ing	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2014	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)			
Equity Investment in JVC - Sabarmati Gas Ltd.	For implementing the City Gas Distribution project for supply of CNG to the household and the automobile sectors in the city of Gandhinagar, Mehsana and Sabarkantha districts of Gujarat.	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	Rs.45 cr / 23.9.05	N.A.	N.A.	N.A.	-	NA
Equity Investment in JVC - Bharat Stars Services Pvt. Ltd.	For providing Into-Plane sevices at Bengaluru Airport	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	Rs.20 cr / 13.9.07		Pay-ments are released only on cash call from the JV Com-pany.	N.A.	-	NA

BHARAT PETROLEUM CORPORATION LTD. (UPTO 100 CR.)

Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress				Financial Progress				Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks
		Original date of Completion	Revised date of completion/ Commission-ing	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2014	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)			
Equity Investment in JVC - Bharat Renewable Energy Ltd.	For production, procurement, cultivation, plantation of horticulture crops such as jhatropha, pongamia,trading, R&D and management of all crops and plantation including bio-fuels in the state of U.P.	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	Rs.9.90 cr / 17.6.2008	N.A.	N.A.	N.A.	-	NA
Equity Investment in JVC - Matrix Bharat Pte Ltd.	To carry out the bunkeing business & the supply of marine lubricants in the Singapore markets, as well as international bunkering including expansion in the Asian & Middle East markets.	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	Rs.10 cr / 20.5.08	N.A.	N.A.	N.A.	-	NA

BHARAT PETROLEUM CORPORATION LTD. (UPTO 100 CR.)

Name of the Project/Scheme	Objective of the Project/Scheme	Physical Progress				Financial Progress				Time / Cost overrun	Milestone in Backlog	Reasons for Time / Cost overrun / Remarks
		Original date of Completion	Revised date of completion/ Commission-ing	Actual/ Anticipated Completion Date	Cumu. Physical Progress upto 31.12.2014	Delay (+)/ Ahead (-) Month	Original Cost (Rs.in Cr.) / Date of approval	Revised Cost (Rs.in Cr.)/ Date of approval if any	Cum. Expenditure till Dec. 2005 (Rs.in Cr.)			
Equity Investment in JVC - Delhi Aviation Fuel Facility Pvt. Ltd.	Providing infrastrudcture , hydrant facilities at Terminal 3 , Delhi Interna-tional Airport	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	Rs.60.68 cr.	N.A.	Payments are released only on cash call from the JV Company.	N.A.	-	NA
Equity Investment in JVC - Kannur International Airport Ltd.	Providing fuel farm at Kannur Airport.	N.A.	N.A.		N.A. Com-pany in opera-tion	10 Months Delay	Rs.170 cr.	N.A.	41.18	N.A.	-	NA
GSPL India Transco Limited (GITL)	For laying Natural Gas pipeline to Mehsana-Bhatinda(MBPL) & Bhatinda-Jammu-Srinagar(BJSPL)	N.A.	N.A.		N.A. Com-pany in opera-tion		Rs.70 cr. / Apr. '12	N.A.	41.18	N.A.	N.A.	NA
GSPL India Gasnet Limited (GIGL)	For laying gas pipeline to Mallavaram-Bhopal-Bhilwara-Vijaipur(MBBVPL)	N.A.	N.A.		N.A. Com-pany in opera-tion		Rs.77 cr. / Apr. '12	N.A.	41.18	N.A.	N.A.	NA

STATEMENT - II

CHENNAI PETROLEUM CORPORATION LIMITED
Phaysical and Financial Progress of various projects/schemes
projects/schemes costing ₹100 crores and more

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time over run (in Months)	Cost overrun (₹in Crs.)	Reasons for time/cost over run
			Original Date of Completion/ Commissioning	Revised date of completion/ Commissioning	Cumulative Physical Progress upto Jan.'16	Original Cost (Date of Approval) (₹ in Cr.)	Revised Cost Date of Approval if any (₹inCr.)	Financial Progress FY 15-16 (April 15 to Jan.'16	Cumulative financial progress till Jan.'16			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Crude Oil Pipeline project:To lay a new 42 inch dia pipeline, for 17 KM along port connectivity road from Chennai Port to CPCL - Manali Refinery at a cost of Rs. 257.87 crores.	The risk to refinery operations as a result of any possible failure of the existing 30" crude transfer line which is 46 years old will be eliminated. Further, the higher dia pipe line will result in faster transfer of crude from port to refinery.	18 Months from the date of obtaining Right of Way clearance.	18 Months from the date of PESO approval i.e.. from 11th May 2015. Expected Mechanical completion by Mar 2017. Expecetd comissioning : Apr 2017	Target - 32.1% Actual - 23.1%	126.00	257.87	29.80	34.80	5	Nil	MoRTH approval could be obtained only in Apr 2015 followed by PESO approval by May 2015. Delay due to poor response to purchase & works tender, leading to repeated extension of bid submission dates including revision of PQC for works tender.

STATEMENT - II

CHENNAI PETROLEUM CORPORATION LIMITED
Phaysical and Financial Progress of various projects/schemes
projects/schemes costing ₹100 crores and more

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time over run (in Months)	Cost overrun (₹in Crs.)	Reasons for time/cost over run
			Original Date of Completion/ Commissioning	Revised date of completion/ Commissioning	Cumulative Physical Progress upto Jan.'16	Original Cost (Date of Approval) (₹ in Cr.)	Revised Cost Date of Approval if any (₹inCr.)	Financial Progress FY 15-16 (April 15 to Jan.'16	Cumulative financial progress till Jan.'16			
1	2	3	4	5	6	7	8	9	10	11	12	13
2	Resid upgradation Project:To improve distillate yield installing Delayed coker unit and other treating units like SRU and utilities and offsite facilities at a cost of Rs.3110 crore	Improve distillate yield and process high sulphur crudes bringing in additional margins.	Environmental clearance obtained on 22nd Mar '13. 30 months for mechanical completion i.e 21-Sep 2015 & 2 months for commissioning. i.e 21-Nov - 2015	Expecetd Mechanical compleion : Nov 2016 Expected commissioning : Jan 2017	Target - 84.5% Actual - 73.9%	3110.36	3110.36	886.92	1395.63	14	Nil	1. Shift on account of Environment Clearance, i.e. re-inviting priced bids for 3 LSTKs & 6 Long Lead Items and award in Aug 2013 - 5 Months 2. Other reasons - 5 months: 2.1 OSBL - Re-engineering due to space constraint in piling and carrying out Civil & Structural works in a Brown Field Refinery. 2.2 Boiler - Retendering due to withdrawal of price validity by M/s BHEL. 2.3 WTP – re-engineering due to combining of DM and ETP into single

STATEMENT - II

CHENNAI PETROLEUM CORPORATION LIMITED
Phaysical and Financial Progress of various projects/schemes
projects/schemes costing ₹100 crores and more

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time over run (in Months)	Cost overrun (₹in Crs.)	Reasons for time/cost over run
			Original Date of Completion/ Commissioning	Revised date of completion/ Commissioning	Cumulative Physical Progress upto Jan.'16	Original Cost (Date of Approval) (₹ in Cr.)	Revised Cost Date of Approval if any (₹inCr.)	Financial Progress FY 15-16 (April 15 to Jan.'16	Cumulative financial progress till Jan.'16			
1	2	3	4	5	6	7	8	9	10	11	12	13
												package as WTP due to space constraint inside Refinery. 2.4 Coke Handling System - Relocation of coke conveying & storage system. 2.5 Constraints in handling "Brown Field Project" like less space for material storage, pre-project activities, near-by concurrent project activities, restricted time for radiography due to surrounding operational units, 2.6 Hindrance in shifting of excavated earth for civil works to outside Refinery premises and

STATEMENT - II

CHENNAI PETROLEUM CORPORATION LIMITED
Phaysical and Financial Progress of various projects/schemes
projects/schemes costing ₹100 crores and more

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time over run (in Months)	Cost overrun (₹ in Crs.)	Reasons for time/cost over run
			Original Date of Completion/ Commissioning	Revised date of completion/ Commissioning	Cumulative Physical Progress upto Jan.'16	Original Cost (Date of Approval) (₹ in Cr.)	Revised Cost Date of Approval if any (₹inCr.)	Financial Progress FY 15-16 (April 15 to Jan.'16	Cumulative financial progress till Jan.'16			
1	2	3	4	5	6	7	8	9	10	11	12	13
												hindrances due to local elements. 3. Unprec-edented heavy rainfall & fllods during Nov-Dec'15, Construction machineries were marooned in water & labour demobilised, Cascading affect of floods on project completion by 4 Months

STATEMENT - II

CHENNAI PETROLEUM CORPORATION LIMITED
Phaysical and Financial Progress of various projects/schemes
projects/schemes costing ₹100 crores and more

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress				Time over run (in Months)	Cost overrun (₹in Crs.)	Reasons for time/cost over run
			Original Date of Completion/ Commissioning	Revised date of completion/ Commissioning	Cumulative Physical Progress upto Jan.'16	Original Cost (Date of Approval) (₹ in Cr.)	Revised Cost Date of Approval if any (₹inCr.)	Financial Progress FY 15-16 (April 15 to Jan.'16	Cumulative financial progress till Jan.'16			
1	2	3	4	5	6	7	8	9	10	11	12	13
3	Resid upgradation Project:To improve distillate yield installing Delayed coker unit and other treating units like SRU and utilities and offsite facilities at a cost of Rs.3110 crore	Currently the LPG, Propylene and Propane are stored in Horton Spheres and Butylene is stored in above ground bullets. As a risk reduction measure & also to provide intrinsically passive and safe environ-ment and to eliminate BLEVE (Boiling Liquid Expanding Vapor Explosion) of LPG and petro chemical products, mounded bullet storage facility is being installed	22 months from investment approval (24.12.2012) i.e by 23.10.2012 and 2 months for commissioning. i.e 23.12.2014.	Actual Mechanical completion achieved on March 2015. Expected commission-ing: Feb - Mar 2016	Target - 100% Actual - 97%	279.00	279.00	44.70	186.98	5	Nil	1. Non-availability of sand due to State Govern-ment restrictions during Oct to Jan 2014. 2. Restriction in prefabrication of bullet segments (reduced from 3 to 2 segments) & transportation from fabrication yard to Refinery premises due to hindrance in HT electrical transmission line. 3.Combining of Resid OSBL Project pipe rack along with Mounded Bullets pipe rack due to space constraints.
		Grand Total								**1617.4**		

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES OF MINISTRY OF PETROLEUM & NATURAL GAS
PROJECTS / SCHEMES COSTING ` 100 CRORES OR MORE

Sl. No	Name of the projects/ Schemes	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Cr.)			Time/ Total Cost Overrun	Reasons for Time/ Cost Overrun
			Original Date of Completion/ commissioning	Revised/ anticipated date of completion/ commissioning	Cumulative Physical Progress upto 31.12.15	2015-16 Original cost (Date of Approval)	2015-16 Revised cost (Date of Approval	Cumulative Financial Progress upto 31.12.15		
1. (a)	Engineering Infrastructure for Exports/ Imports/ Container Freight Stations	Increased Capacity/ Improved Customer satisfaction	New CFS/Multi-modal logistic hub/ expansion of CFS Mumbai. 18-24 months from the date of all approvals/ acquisition of land. Cold Chain facilities. Setting up of facilities by 31.03.2017.	Agreement for acquisition of land at Vizag is to be completed by 31.03.2016. Land development work is in progress at two of the locations.	75.00%	50.00	10.00	14.96	Signing of lease agree-ment with VPT. Normal business risk	

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES OF MINISTRY OF PETROLEUM & NATURAL GAS
PROJECTS / SCHEMES COSTING ` 100 CRORES OR MORE

Sl. No	Name of the projects/ Schemes	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Cr.)			Time/ Total Cost Overrun	Reasons for Time/ Cost Overrun
			Original Date of Completion/ commissioning	Revised/ anticipated date of completion/ commissioning	Cumulative Physical Progress upto 31.12.15	2015-16 Original cost (Date of Approval)	2015-16 Revised cost (Date of Approval	Cumulative Financial Progress upto 31.12.15		
(b)	Packaging Products/ Solutions for Lubricants and other similar products (Barrel Plants in various regions)	Geographic expansion/ Capacity consolidation	Upgradation/ modernisation of facilities/setting up of a high throughput plant. Capacity Consolidation in Southern Region. Expenditure is towards balance capex for setting up of the facilitity at Navi Mumbai. New Southern Region Plant to be in operation in 2017-18.	New facilities fully commissioned with effect from 1st July, 2014. Alternative locations for setting up of Southern Region Plant are under evaluation.	60.00%	5.00	5.00	2.84	Normal business risk	

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES OF MINISTRY OF PETROLEUM & NATURAL GAS
PROJECTS / SCHEMES COSTING ` 100 CRORES OR MORE

Sl. No	Name of the projects/ Schemes	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Cr.)			Time/ Total Cost Overrun	Reasons for Time/ Cost Overrun
			Original Date of Completion/ commissioning	Revised/ anticipated date of completion/ commissioning	Cumulative Physical Progress upto 31.12.15	2015-16 Original cost (Date of Approval)	2015-16 Revised cost (Date of Approval	Cumulative Financial Progress upto 31.12.15		
(c)	Lubricating Oils, Greases and Speciality Lubricants and related services	Capacity Consolidation	Upgradation/ modernisation of capacity. Implementation by 31.03.2018.	To be commissioned by 31.03.2018.	40.00%	12.00	4.00	1.27	Normal business risk	
(d)	Investment in JVC/ Acquisition of business in the area of Travel & Tours/Logistics Services/ Industrial Packaging/ Greases & Lubes/ Leather Chemicals	Improving market reach & adding business competencies	Inorganic growth options in Industrial Packaging, Logistics, Travel & Greases & Lubes etc.	Identification of target company and agreement in acquisition/ strategic partnership by 31.03.16. Increase stake in existing JVC's by 31.03.2016.	0.29%	20.00	72.00	0.21	Normal business risk	

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES OF MINISTRY OF PETROLEUM & NATURAL GAS
PROJECTS / SCHEMES COSTING ` 100 CRORES OR MORE

Sl. No	Name of the projects/ Schemes	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Cr.)			Time/ Total Cost Overrun	Reasons for Time/ Cost Overrun
			Original Date of Completion/ commissioning	Revised/ anticipated date of completion/ commissioning	Cumulative Physical Progress upto 31.12.15	2015-16 Original cost (Date of Approval)	2015-16 Revised cost (Date of Approval	Cumulative Financial Progress upto 31.12.15		
(e)	ERP Implementation	Initiatives towards enhanced information technology.	Technology enablement to manage the operations and get competitive advantage over the competititors.	Work on ERP implemen-tation started and is expected to be completed by 31.03.16.	-	3.00	2.00	-	Normal business risk	
(f)	Others	Additions, alterations, renewals & replacement	By 31st March, 2016.	By 31st March, 2016.	45.00%	10.00	7.00	3.01	Normal business risk	
						100.00	**100.00**	**22.29**		

STATEMENT - II

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS/SCHEMES OF MINISTRY OF PETROLEUM & NATURAL GAS
PROJECTS / SCHEMES COSTING ` 100 CRORES OR MORE

Sl. No	Name of the projects/ Schemes	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Cr.)			Time/ Total Cost Overrun	Reasons for Time/ Cost Overrun
			Original Date of Completion/ commissioning	Revised/ anticipated date of completion/ commissioning	Cumulative Physical Progress upto 31.12.15	2015-16 Original cost (Date of Approval)	2015-16 Revised cost (Date of Approval	Cumulative Financial Progress upto 31.12.15		
		N O T A P P L I C A B L E Since Balmer Lawrie & Co. Ltd.does not have any individual project costing more than Rs.100 crores, the report in respect of the same may be taken as 'NIL'.								

STATEMENT - I

NUMALIGARGH REFINERY LIMITED

Phaysical and Financial Progress Report of various project/schemes of Ministary and Petroleum and Natural GAS projects/schemes costing upto ₹100 crores

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress		Cumulative financial progress upto 31-12-15	Time Cost over run	Reason for time/cost over run	Remedial measures taken/ proposed
				Revised date of completion/ Commissioning	Cumulative Physical Progress upto 31-12-15	Original Cost (Date of Approval)	Revised Cost Date of Approval if any				
1	2	3	4	5	6	7	8	9	10	11	12
			CURRENTLY, NUMALIGARH REFINERY LIMITED DOES NOT HAVE ANY PLAN PROJECT UNDER IMPLEMENTATION COSTING LESS THAN RS. 100 CRORES								

STATEMENT - II

NUMALIGARGH REFINERY LIMITED

Phaysical and Financial Progress Report of various project/schemes of Ministary and Petroleum and Natural GAS projects/schemes costing ₹100 crores or more

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress		Cumulative financial progress upto 31-12-15	Time Cost over run	Reason for time/cost over run	Remedial measures taken/ proposed
			Original date of completion / Commissioning	Revised date of completion/ Commissioning	Cumulative Physical Progress upto 31-12-15	Original Cost (Date of Approval)	Revised Cost Date of Approval if any				
1	2	3	4	5	6	7	8	9	10	11	12
1	Installation of Diesel Hydrotreater Unit (DHT)	To comply with require-ments of the 'Auto Fuel Policy' for production of BS-IV/ VI HSD.	25.01.2018	NA	5.40%	Rs. 1031.37 crores (14.07.2015)	NA	Rs. 8.25 crores	-	-	-

STATEMENT - II

NUMALIGARGH REFINERY LIMITED

Phaysical and Financial Progress Report of various project/schemes of Ministary and Petroleum and Natural GAS projects/schemes costing ₹100 crores or more

Sl. No.	Name of the Project/ Scheme	Objective of the Project/Scheme	Physical Progress			Financial Progress		Cumulative financial progress upto 31-12-15	Time Cost over run	Reason for time/cost over run	Remedial measures taken/ proposed
			Original date of completion / Commissioning	Revised date of completion/ Commissioning	Cumulative Physical Progress upto 31-12-15	Original Cost (Date of Approval)	Revised Cost Date of Approval if any				
1	2	3	4	5	6	7	8	9	10	11	12
2	Installation of Mounded Bullet for LPG storage	To replace the existing Horton spheres with mounded bullets of suitable capacity. Mounded bullets provide intrinsically passive, safe environment &eradicates the possibility	19.09.2017	NA	13.30%	Rs. 122.10 crores (20.05.2015)	NA	Rs. 2.63 crores	-	-	-

STATEMENT - II

MANGALORE REFINERY AND PETROCHEMICALS LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES OF PROJECT/SCHEMES COSTING ₹ 100 CRORES OR MORE

Sl. No.	Name of the projects/ Schemes	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Cr.)		Cumulatiave Financial Progress upto Dec.-14	Time/ Cost overrun	Reasons for Time/ Cost overrun
			Original Date of Completion/ commissioning	Revised/ Anticipated Date of Completion/ Commissioning	Cumulative Physical Progress upto 2014-15	Original Cost (Date of Approval)	Revised Cost (Date of Approval), If any			
Plan Capital Expenditure Schemes										
1	Refinery upgradation cum expansion (Phase-III) project including polypropylene Unit	**1.** To process more sour & heavy, high TAN & cheaper crudes **2.** To supplement secondary processing facilities like FCCU, DCU, PCU, HGU etc. **3.** To produce 4.40 MMTPA Polypropelene (a value added Petrochemical Product) **4.** To create additional facilities to meet Euro-III / Euro-IV norms for MS & HSD **5.** To enhance the refining capacity to 15 MMTPA	Between Oct-2011 to Feb-2012	Due to inordinate delay in execution of captive power plant by BHEL, completion schedule of process units, off-sites, utilities and other facilities revised and now the completion of work is likely to be achieved by June, 2014. Completion of CPP by BHEL is likely to be by March-April, 2014. Completion of Poly-propylene unit is likely by July, 2014.	Phase-III 99.95% Poly-propylene 97.50%	7,943 (03/03/ 2006) (excluding Polypropylene unit)	13964 (23/07/ 2009) (including Polypropy lene unit of Rs.1804 crs) Phase-III project 12160 and PPU 1804	13265.13 Cost re-stated for phase-III project as 14002 crores due to hybrid mode of execution exercised in place of LSTK / OBE / Unit-rate mode as the case may be. Proposal put up to Board for approval	Time over run exists compared to the Zero date of 08/08/08, No cost over run however cost of phase-III project re-stated as 14002 crores.	**A) <u>For Time Overrun</u>** Delayed availability of encumbrance free land & delay in receipt of CFE from KSPCB (Env.Clearance) for want of which site activities could not have commenced. **B) <u>For Revised Cost</u> (from original cost estimate as mentioned in column-7)** 1) Change in Scope based on detailed engineering. (2) Higher input costs & higher margins quoted by LSTK contractors. (3) Resultant higher duties & taxes. (4) Inclusion of

STATEMENT - II

MANGALORE REFINERY AND PETROCHEMICALS LIMITED

PHYSICAL AND FINANCIAL PROGRESS REPORT OF VARIOUS PROJECTS / SCHEMES OF PROJECT/SCHEMES COSTING ₹ 100 CRORES OR MORE

Sl. No.	Name of the projects/ Schemes	Objective of the Project/Scheme	Physical Progress			Financial Progress (₹ Cr.)				Reasons for Time/ Cost overrun
			Original Date of Completion/ commissioning	Revised/ Anticipated Date of Completion/ Commissioning	Cumulative Physical Progress upto 2014-15	Original Cost (Date of Approval)	Revised Cost (Date of Approval), If any	Cumulatiave Financial Progress upto Dec.-14	Time/ Cost overrun	
Plan Capital Expenditure Schemes										
		6. To increase the distillate yield and to eliminate black oils (FO & Bitumen)								Polypropylene unit. (5) Cost of phase-III project re-stated due to Hybrid mode of execution (option approved by Board) exercised in place of LSTK / OBE / Unit-Rate mode

CHAPTER – V

FINANCIAL REVIEW

5.1 The Budget provision made for this Ministry for the year 2015-16 (Budget Estimates, Revised Estimates and Actual Expenditure) and the Budget Estimates 2016-17 are shown as under:-

(Rs. in crore)

Sl. No.	Year	Plan			Non Plan			Total		
1.		BE	RE	Actual	BE	RE	Actual	BE	RE	Actual
2	2014-15	43.00	2402.00	-	63500.00	60341.22	60310.18	63543..00	62743.22	60310.18
3	2015-16	50.00	1203.00	48.00 (Upto Dec., 2014-	30075.55	30146.35	28100.41 (Upto Dec., 2014	30125.55	31349.55	28148.41 (Upto Dec., 2014
4	2016-17	2050.00	-	-	27110.62	-	-	29160.62	-	-

5.2. The detailed provisions (both for Plan and Non-Plan) included in these estimates for each programmes/activities are shown in **Statement-I.**

5.3. The Actual Plan Expenditure 2014-15, Plan Oulay 2015-16 (BE, RE & Actual Expenditure) and 2016-17 (BE) for each programme/activity are shown in **Part "A" of Statement-II.** The Annual Plan Outlay for 2016-17 for various projects/activities is Rs. 87214.56 crore, which would be primarily met from Internal and Extra Budgetary Resources and no Budgetary support is envisaged. Details of Financing Pattern of Annual Plan Outlays for 2016-17 (BE) are shown in **Part "B" of Statement-II.** Sector-wise Plan Outlays are given in **Part "C" of Statement-II.**

5.4 Actual Plan expenditure of Oil PSUs during 2014-15, 2015-16 (BE & RE) and 2016-17 (BE) are shown below:

(Rs. in crore)

Actual Plan expenditure of Oil PSUs	2013-14 (Actual)	2014-15			2015-16
		BE	RE	Actual upto 31-12-2014	BE
	89180.00	76565.46	76874.75		87214.56

5.5 Rajiv Gandhi Institute of Petroleum Technology (RGIPT) has been set up at Jais, Rae Bareilly with the objective of creating an Institute of Excellence in the petroleum sector to cater to the educational and training requirement in India and Globally. An amount of Rs. 47 crore has been allocated in BE 2015-16.

5.6 Keeping into account the oil security concerns of India, the Government has decided to set up a Strategic Crude Oil Storage of 5.03 million metric tons (MMT) at three locations in the country viz. Visakhapatnam (1.03MMT), Mangalore (1.5 MMT) and Padur (2.5 MMT). During 2016-17 a token amount of Rs. One crore has been allocated for crude filling.

5.7. ISPRL Phase-II: The detailed Project Reports have been prepared for establishing additional crude oil reserves of 12.5 MMT at Chandikhal (3.75 MMT), Padur(2.5 MMT), Rajkot (2.5 MMT) and Bikaner (3.75 MMT). During 2016-17 a token amount of Rs. One crore has been allocated.

5.8 Setting up of Petroleum University in Andhra Pradesh

It is proposed to set up an Indian Institute of Petroleum and Energy (IIPE) at Sabbavaram Mandal, Vishakhapatnam for which nearly 150 acres of land has been allocated by the Govt. of Andhra Pradesh. It is proposed to start the academic session from the year 2016-17. In BE 2016-17, token provision of Rs.1 crore each under Plan and Non-Plan has been provided.

5.9. Scheme for LPG connection to Poor households

Rs.2000 crore has been for Scheme for LPG connection to Poor households to provide support to BPL household to shift to a cleaner fuel from fossil fuels, with emphasis on uncovered States and pockets, particularly eastern part of the country.

5.7 Unspent balance **PAO**

2014-15 - Nil

2015-16 - Rs. 3.26 crore

(April – December, 2015)

5.8 Utilisation certificate **PAO**

No UC is due from grantee institutions as on 31.12.2015.

5.9 Release to States/UTs

No amount was released during the year **2013-14** and **2014-15 (April – December, 2014)** on this account.

Statement I

Budget Statement for the years 2016-17

(Rs. in crore)

S.No.	Major Head	Actual 2014-15	BE 2015-16			RE 2015-16			(Apr-Dec'15) 2015-16			BE 2016-17	
		Non Plan	Plan	Non Plan	Total	Plan	Non Plan	Total	Plan	Non Plan	Total	Plan	Non Plan	Total
1	**3451-Sectt.**	25.32	0.00	27.06	27.06	0.00	27.06	27.06	0.00	18.00	18.00	0.00	28.30	28.30
2	**2802-Petroleum**													
	a) Freight subsidy on retail products for the far flung areas	22.82	0.00		0.00	0.00		0.00	0.00		0.00			0.00
	b) Subsidy to oil Cos. For supply of natural gas to NE Region	661	0.00		0.00	0.00	1320.00	1320.00	0.00	1245.58	1245.58			0.00
	c) Compensation to Oil Marketing Companies towards under recoveries on account of sale of sensitive petroleum products	57085	0.00		0.00	0.00		0.00	0.00		0.00			0.00
	d) Payment to OMCs for Direct Transfer of Cash Subsidy to LPG Scheme	2500	0.00		0.00	0.00		0.00	0.00		0.00			0.00
	e) Subsidy to Oil Companies													
	f) Petroleum & Natural Gas Regulatory Board	14.25	0.00	16.40	16.40	0.00	16.40	16.40	0.00	8.19	8.19	0.00	16.51	16.51
	g) Society for Petroleum Laboratory	1.79	0.00	2.09	2.09	0.00	2.09	2.09	0.00	0.00	0.00	0.00	2.10	2.10
	h) Rajiv Gandhi Institute of Petroleum technology		48.00	0.00	48.00	48.00	0.00	48.00	48.00	0.00	48.00	47.00	0.00	47.00
	i) Setting up petroleum university in Andhra Pradesh		1.00		1.00	1.00	0.00	1.00	0.00	0.00	0.00	1.00	1.00	2.00
	j) DBTL for LPG		0.00	21140.00	21140.00	0.00	21140.00	21140.00	0.00	19324.15	19324.15	0.00	17020.04	17020.04
	k) Other subsidy payable including North Eastern Region		0.00	660.00	660.00	0.00	0.00	0.00	0.00		0.00	0.00	2742.75	2742.75
	l) Project Management Expenditure		0.00	200.00	200.00	0.00	200.00	200.00	0.00	165.47	165.47	0.00	40.00	40.00
	m) DBTL for Kerosene		0.00	1.00	1.00	0.00	1.00	1.00	0.00		0.00	0.00	50.00	50.00
	n) Other subsidy payable incldluing North Eastern Region		0.00	7999.00	7999.00	0.00	7339.00	7339.00	0.00	7339.00	7339.00	0.00	7094.21	7094.21
	Payment of Differential royalty to States				0.00	0.00	53.80	53.80	0.00		0.00	0.00	61.71	61.71
	ISPRL- O&M expenses				0.00	0.00	47.00	47.00	0.00		0.00	0.00	1.00	1.00

Statement I

Budget Statement for the years 2016-17

(Rs. in crore)

S.No.	Major Head	Actual 2014-15		BE 2015-16			RE 2015-16			(Apr-Dec'15) 2015-16		BE 2016-17		
		Non Plan	Plan	Non Plan	Total	Plan	Non Plan	Total	Plan	Non Plan	Total	Plan	Non Plan	Total
	Scheme for LPG connection to poor households											2000.00	0.00	2000.00
	Cash Incentive to States for Kerosene Distribution Reforms											0.00	50.00	50.00
	Cash Incentive to UTs for Kerosene Distribution Reforms											0.00	1.00	1.00
	Grant-in-Aid to States for establishment of institutional mechanism											0.00	1.00	1.00
	Grant-in-Aid to UTs for establishment of institutional mechanism											0.00	1.00	1.00
3	**3601 - Petroleum**	60284.86		30018.49	30067.49	49	30119.29	30168.29	48	28082.26	28130.26	2048.00	27082.32	29130.32
	Assistance to State for Direct Transfer of Subsidy in Cash for PDS kerosene			20.00	20.00	0.00	0.00	0.00	0.00		0.00	0.00		0.00
4	**3602 - Petroleum**													
	Assistance to UT for Direct Transfer of Subsidy in Cash for PDS kerosene			10.00	10.00	0.00		0.00	0.00		0.00	0.00	0.00	0.00
	Total Revenue	60310.18		30075.55	30124.55	49	30146.35	30195.35	48		28148.39	2048	27110.62	29158.62
	B. Capital Section													
	4802 - Petroleum													
	a) Indian Strategic Petroleum Reserves Ltd.	0	1.00	0.00	1.00	1153.00	0.00	1153.00	0.00	0.00	0.00	1.00	0.00	1.00
	b) Indian Strategic Petroleum Reserves Ltd. Phase II (Consutruction of Caverns)					1.00	-	1.00				1.00	0.00	1.00
	Grand Total	60310.18	50	30075.55	30125.55	1203.00	30146.35	31349.35	48	28100.39	28148.39	2050	27110.62	29160.62

Statement II

Part A

OIL AND NATURAL GAS CORPORATION (ONGC) Rs. in Crore

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
	CAPITAL PROJECTS					
A	**PROJECTS AT THE BEGINNING OF 10TH PLAN**					
1	G-1 & G-15 DEVELOPMENT	347	44.00	40.00	0.00	44.00
2	ASSAM RENEWAL PROJECT	271.92	228.10	54.50	21.78	100.30
B	**PROJECTS ENVISAGED DURING 11TH PLAN**					
1	WEST COAST CLUSTER DEV(B46+B193+B22)	76.79				
2	DEV. WEST COAST- SHALLOW WATER (CLUSTER-7)				153.96	
3	DEV. WEST COAST- SHALLOW WATER (WO-16)	27.02	36.50	119.44	107.58	0.68
4	CONVERSION OF SAGAR SAMRAT TO MOPU	279.14	230.22	254.99	252.89	100.00
5	MEHSANA REDEVELOPMENT		10.00			
6	AHMEDABAD REDEVELOPMENT	1.6	10.00			
7	ANKLESWAR REDEVELOPMENT	1.18	10.00			
8	DEVELOPMENT OF SB-14	0.14				

Statement II

Part A

OIL AND NATURAL GAS CORPORATION (ONGC) **Rs. in Crore**

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
9	INSTALLATION OF 3 ETPS MEHSANA ASSET with O&M	0.52	14.00		3.13	40.00
10	INSTALLATION OF 3 ETPS RAJAHMUNDRY with O&M	8.75	25.60		13.03	26.80
11	CONSTRUCTION OF ETP AT GGS-NADA, WITH 7-YEAR O & M, ADDITIONAL HANDLING FACILITIES AND ASSOCIATED PIPELINES FOR AREA-IV	28.19	40.00		23.21	24.00
12	CONSTRUCTION OF 102 MW WIND POWER PROJECT IN RAJASTHAN	292.00	50.05		107.00	
13	CONSTRUCTION OF 12 OSVS	23.12	80.51	80.51	26.71	
14	CONSTRUCTION OF 23 ISVs	26.26	80.00	80.00	79.06	
15	MISC.SCHEMES/BALANCE PAYMENTS*	250.00	36.00			200.77
C	**PROJECTS PROPOSED DURING 12TH PLAN**					
16	PIPELINE REPLACEMENT PROJECT-III	309.00	42.35	55.12	40.90	
17	REVAMPING OF UNMANNED WELL PLATFORMS	9.72	411.25	1.00	0.00	
18	B-127 & B-59 FACILITIES +SAGAR LAXMI REVAMP	261.19	465.75	222.24	16.31	542.48

Statement II

Part A

OIL AND NATURAL GAS CORPORATION (ONGC) **Rs. in Crore**

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
19	PIPELINE REPLACEMENT PROJECT-IV		45.00	613.78	502.37	755.34
20	HEERA REDEVELOPMENT PART-II	1335.91	192.87	243.86	218.90	
21	NEELAM REDEVELOPMENT PROJECT		5.00	5.00	0.00	148.13
22	B-173 SUBSEA / LOW COST P/F WITH 3 WELLS incl B173 A&B	19.97	7.13	81.12	26.61	17.58
23	DEVELOPMENT OF C SERIES PH-III (C-26)+ CONV SAGAR PRAGATI	291.00	475.70	561.25	539.50	389.32
24	DEVELOPMENT OF B-193 (PH-II)	83.00			9.02	
25	DEVELOPMENT OF BASSEIN BCPA-3		453.69	472.04	162.08	628.55
26	ADDL. DEVELOPMENT OF DAMAN & C-24	0.20	104.00	967.52	586.68	1000.90
27	ADDL. DEVELOPMENT OF VASAI FIELD		199.32	557.91	369.15	187.77
28	EOA (98/2 & MUDLINE, VAINATEYAM)		109.00	148.36		132.34
29	FIRE WATER NETWORK -URAN	25.50				
30	ADDITIONAL PIPELINE PROJECT	214.78	29.41	26.94	8.38	16.68
31	BPA-BPB RECONSTRUCTION	335.22	307.00	250.00	217.36	65.23

Statement II

Part A

OIL AND NATURAL GAS CORPORATION (ONGC) **Rs. in Crore**

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
32	DEVELOPMENT OF VASHISHTA & S-1	137.00	995.67	378.16		728.38
33	MUMBAI HIGH SOUTH REDEVELOPMENT PH-III		10.00	248.89		875.28
34	MHN REDEVLOPMENT PH-III	300.65	2148.66	2020.86	1255.04	284.47
	SUB TOTAL MAJOR SCHEMES	**4957.57**	**6896.78**	**7483.48**	**4740.65**	**6305.00**
D	**CAPITAL PURCHASES & UPGRADATION**	**1897.53**	**3847.96**	**3528.64**	**1781.07**	**2832.79**
	TOTAL SCHEMES & CAPITAL	**6855.10**	**10744.74**	**11012.12**	**6521.72**	**9137.79**
35	RESEARCH & DEVELOPMENT INCL INSTITUTES	544.53	773.95	643.87	431.05	607.50
36	SURVEY	1878.82	2099.35	1977.40	1002.27	1969.41
37	EXPLORATORY DRILLING	10924.71	12169.92	7546.13	6006.15	7181.15
38	DEVELOPMENT DRILLING	6399.83	8924.95	7184.83	5082.79	9826.74
39	JV PROJECTS DOMESTIC	2179.39	1276.38	1180.05	583.25	565.97
40	INTEGRATION PROJECTS	1215.08	260.08	1923.05	1441.50	18.64
	TOTAL OUTLAY	**29997.46**	36249.37	31467.45	21068.72	29307.20

Statement II

Part A

ONGC VIDESH LTD. **Rs. in Crore**

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
I	**PRODUCING ASSETS**					
1	Sakhalin I, Russia	2,628.81	3,863.58	3,307.96	2,053.32	3,329.40
2	Block 06.1, Vietnam	37.79	28.04	82.37	33.65	46.37
3	Imperial Energy, Russia	65.40	30.50	323.22	188.69	265.27
4	GNPOC, Sudan	659.27	485.72	346.79	284.42	305.91
5	GPOC, South Sudan	27.79	31.26	4.61	4.14	5.03
6	SPOC (5A), South Sudan	1.03	20.61	1.72	0.79	-
7	BC-10, Brazil	1,163.55	980.41	1,226.61	382.94	1,079.22
8	MECL, Colombia	371.33	501.22	260.35	162.85	255.39
9	PIVSA, San Cristobal, Venezuela	363.84	292.30	557.69	389.17	138.20
10	ACG, Azerbaijan	344.81	365.35	331.23	251.82	291.41
11	BTC Pipeline (ACG), Azerbaijan	-	-	-	-	-
12	Block A-1, Myanmar	170.74	82.18	114.34	107.85	1.22

Statement II

Part A

ONGC VIDESH LTD. Rs. in Crore

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
13	Block A-3, Myanmar	11.99	0.10	3.29	1.06	2.10
14	Offshore Pipeline (Pipeco 1), Myanmar	0.78	-	-	-	-
15	Onshore Pipeline, (Pipeco 2), Myanmar	31.11	76.38	67.75	17.18	100.88
16	Sudan Pipeline		-	-	-	-
17	AFPC, Syria		-	-	-	-
	Sub total Producing assets	**5,878.24**	**6,757.65**	**6,627.93**	**3,877.88**	**5,820.40**
II	**ASSETS UNDER DEVELOPMENT**					
18	Carabobo, Venezuela	90.13	268.26	105.81	75.33	142.14
19	Rovuma Area-1, Mozambique	1,025.45	319.30	548.97	505.03	281.49
20	Block Farsi, Iran	-	3.04	-	-	-
21	Block 24, Syria	-	1.40	-	-	-
	Sub total Developing assets	**1,115.58**	**592.00**	**654.78**	**580.36**	**423.63**
	Sub total P&D assets	**6,993.82**	**7,349.65**	**7,282.71**	**4,458.24**	**6,244.03**

Statement II

Part A

ONGC VIDESH LTD. **Rs. in Crore**

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
III	**Exploration Blocks**					
22	Block Satpayev, Kazakhstan	98.38	107.11	361.95	318.03	60.12
23	Block CPO 5, Colombia	1.66	152.08	432.59	102.59	38.47
24	Block SSJN7, Colombia	12.32	12.87	7.17	0.76	55.07
25	Block RC-8, Colombia	1.36	-	0.12	0.09	-
26	Block RC-9, Colombia	9.03	322.77	32.41	24.54	30.70
27	Block RC-10, Colombia	3.49	79.29	28.12	6.85	22.47
28	Block GUA Offshore 2, Colombia	4.02	9.94	4.14	1.12	8.16
29	Block LLA-69, Colombia	5.32	-	35.68	9.81	33.20
30	Block 128, Vietnam	-	1.10	3.80	0.60	3.17
31	Block 43, Libya	1.47	5.31	1.96	1.35	2.31
32	Block BM-SEAL-4, Brazil	15.81	18.73	11.12	2.62	8.99
33	Block SS-04, Bangladesh	1.70	93.41	4.68	1.12	173.96

Statement II

Part A

ONGC VIDESH LTD. **Rs. in Crore**

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
34	Block SS-09, Bangladesh	0.83	93.44	11.65	1.12	62.96
35	Block B-2, Myanmar	0.02	153.03	17.73	1.04	105.39
36	Block EP-3, Myanmar	0.02	76.28	13.62	1.03	73.49
37	PEP 57090, New Zealand	0.06		35.87	0.40	26.32
	Sub total Exploration Blocks	**155.49**	**1,125.36**	**1,002.61**	**473.07**	**704.78**
IV	**Closed Projects**					
38	Block BM-BAR-1, Brazil	(0.27)	-	-	-	-
39	Block BM-S-73, Brazil	(4.77)	6.10	-	0.77	-
40	Block BM-S-74, Brazil	0.59	-	-	-	-
41	Block 25-29/36 (Repsol), Cuba		-	-	-	-
42	Block N-34 & N-35, Cuba		-	-	-	-
43	Closed/relinquished Projects		3.05	3.25	-	3.25
	Sub total closed Projects	**(4.45)**	**9.15**	**3.25**	**0.77**	**3.25**

Statement II

Part A

ONGC VIDESH LTD. **Rs. in Crore**

Sl. No.	Name of Project/Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
V	New Acquisitions & BD		1,830.00	6.50	-	7,800.00
VI	OVAI, US	-		36.18	-	30.55
VII	HQ 26.69	87.84	156.75	68.88	60.39	
	TOTAL PLAN OUTLAY	**7,171.55**	**10,402.00**	**8,488.00**	**5,000.96**	**14,843.00**

Note: Plan outlays for Apr-Sep and Apr-Dec FY 2015-16 are provisional

Statement II

Part A

OIL INDIA LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
1	Other backup equipment and facilities - Assam and Andhra Pradesh.	501.64	340.10	280.25	204.88	302.28
2	Drilling and Surveys / G&G - Assam and AP	1393.43	1617.59	1276.44	855.28	1654.84
3	Rajasthan (Survey)	10.98	17.40	11.85	7.32	32.80
4	Rajasthan (Drilling)	16.95	8.81	3.69	0.40	111.90
5	Main trunk pipeline (Capex)	40.66	110.00	82.29	57.83	150.00
6	Bay Exploration Project / NEC	8.40	9.51	9.12	5.26	9.79
7	R&D including Oil Shale studies - Assam & AP (Capex)	7.47	11.70	24.83	20.01	7.00
8	Rajasthan Gas Dev.Project - RP (Capex)	43.43	4.50	2.24	2.01	2.00
9	Overseas Projects	195.67	122.80	180.19	75.73	100.13
10	NELP Blocks:-					
10.1	G&G-Operated	186.40	140.13	97.32	75.27	17.48
10.2	G&G Non-Operated	88.64	17.88	24.38	20.07	5.27
10.3	Drilling-(Exp+Devl)-Operated	31.29	371.19	207.80	128.32	501.02

Statement II

Part A

OIL INDIA LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 (April-December 2015)	B.E. 2016-17
1	2	3	4	5	6	7
10.4	Drilling-(Exp+Devl)-Non-Operated	36.21	173.08	120.85	72.76	137.44
11	Pre-NELP-JV Blocks-JVC:-					
11.1	G&G JV Blocks-Non-Operated	32.86	16.74	10.02	8.12	10.00
11.2	Drilling (Exp+Devl)	18.91	20.00	5.00	5.02	8.00
12	Other investments	6738.03	650.32	842.13	732.53	718.63
13	WIND ENERGY	-	-	345.80	172.20	80.80
14	RP SOLAR PROJECTS	-	-	5.09	1.81	68.25
TOTAL		9350.98	3631.73	3529.29	2444.83	3917.64

SCHEME-WISE DETAILS OF ACTIVITIES FOR 2014-15 (Actuals), 2015-16 (B.E & R.E) AND 2016-17 (B.E)

Statement II

Part A

OIL INDIA LIMITED

Rs. in Crore

Sl. No.	Name of the Scheme	2014-15 Fy (Audit)	2015-16 BE (Approved)	2015-16 RE (Anticipated)	April-Dec. (Actuals)	Jan-March (Anticipated)	2016-17 B.E. (Proposed)
1	2		3	4	5	6	7
1	Equipment and facilities - Assam & AP	372	302	302	169	133	336
2	Drilling and Surveys / G&G - Assam and AP	1326	1637	1484	1192	292	1724
3	Rajasthan (Survey)	13	33	7	12	-4	36
4	Rajasthan (Drilling)	1	112	33	2	31	77
5	Main trunk Pipeline (Capex)	130	150	150	220	-70	168
6	Bay Exploration Project / NEC	9	10	10	7	3	11
7	R&D including Oil Shale studies - Assam & AP (Capex)	22	7	7	3	4	2
8	Rajasthan Gas Devl. Project - (Capex)	3	2	2	1	1	3
9	Overseas Projects & Other Investments	1002	819	804	500	304	655
10	Others - NOIDA G&G, etc.	16	18	21	15	6	21
11	NELP Blocks:-						
11.1	G&G - Operated Blocks	129	17	99	88	11	75
11.2	G&G - Non-Operated Blocks	38	5	19	40	-21	0

SCHEME-WISE DETAILS OF ACTIVITIES FOR 2014-15 (Actuals), 2015-16 (B.E & R.E) AND 2016-17 (B.E)

Statement II

Part A

OIL INDIA LIMITED

Rs. in Crore

Sl. No.	Name of the Scheme	2014-15 Fy (Audit)	2015-16 BE (Approved)	2015-16 RE (Anticipated)	April-Dec. (Actuals)	Jan-March (Anticipated)	2016-17 B.E. (Proposed)
1	2		3	4	5	6	7
11.3	Drilling - (Exploratory & Development)						
	- Operated Blocks	194	501	415	212	203	627
11.4	Drilling - (Exploratory & Development)						
	- Non-Operated Blocks	115	137	7	-2	10	0
12	Pre-NELP-JV Blocks-JVC:-						
12.1	G&G - Pre-NELP Non-Operated Blocks	25	10	16	2	14	4
12.2	Drilling - (Exploratory & Development)						
	- Pre-NELP Non-Operated Blocks	3	8	161	2	158	43
13	Renewable Energy:-						
13.1	Wind Energy capex	376	81	0	0	0	162
13.2	Solar Energy capex	2	68	0	5	-5	77
	TOTAL	**3774**	**3918**	**3537**	**2468**	**1069**	**4020**

Statement II

Part A

GAIL (INDIA) LIMITED **Rs. in Crore**

Sl. No.	Name of the Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
A)	**Petroleum (other than Petrochemical)**					
1	Replacement of Gujarat & Agartala Region Pipeline	-	583.75	329.45	227.02	200.00
2	Replacement of KG Basin Pipeline	23.98	400.00	307.46	91.95	100.00
3	Kochi - Koottanad -Bangalore-Mangalore Project	51.66	194.60	35.45	40.74	50.00
4	Phulpur - Haldia Pipeline Project Ph-I	4.01	150.00	98.85	5.95	700.00
5	Misc Pipeline	171.60	80.11	101.86	91.96	56.43
6	VKPL Spurlines	8.79	73.19	59.20	37.03	67.30
7	Auraiya Jagdishpur Pipeline Project	4.04	21.45	1.40	6.22	2.00
8	Dabhol - Bangalore Pipeline Project	29.50	19.00	13.98	15.82	6.00
9	BNPL Spurlines	16.70	5.42	4.85	2.15	0.67
10	Surat Paradip Pipeline Project	-	3.00	1.12	0.05	1.00
11	Vijaipur Auraiya Phulpur Pipeline	-	-	31.00	-	150.00
12	Pipeline PD and S&LR	3.32	2.95	5.56	1.24	3.08
13	TAPI Project	6.00	15.00	3.78	-	0.62

Statement II

Part A

GAIL (INDIA) LIMITED **Rs. in Crore**

Sl. No.	Name of the Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
14	Wind Energy (Project Execution)		-	-	-	-
15	Karanpur-Moradabad-Kashipur-Rudrapur P/L(Ph-I & II)	8.08	-	-	-	-
16	Compressor Stations	4.90	-	-	-	-
17	Others (including deffered payments of previous year budget)		-	-	-	-
18	Myanmar Onshore Pipeline Project	19.90	33.00	39.86	8.48	34.40
19	Project Development (Execution)		12.00			
20	FSRU	0.55	10.00	5.23	-	0.62
21	RGPPL	28.09	8.60	-	-	-
22	Jhajjar - Hissar Pipeline Project	-	-	-	-	-
23	JLPL Upgradation Project (5%)	-	-	-	-	-
24	Other BD Projects	0.27	21.00	14.73	0.44	7.06
25	LNG Shipping		-	0.10	-	22.68
26	Exploration & Production	68.23	147.94	40.62	5.00	76.55
27	M&A	-	100.00	4.00	-	0.62

Statement II

Part A

GAIL (INDIA) LIMITED **Rs. in Crore**

Sl. No.	Name of the Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
28	City Gas (Gail Gas)	33.65	274.00	106.00	60.00	104.00
29	E&P A-1 A-3 , Myanmar	76.98	-	41.67	46.60	1.00
	TOTAL PETROLEUM — A	**563.25**	**2,159.01**	**1,251.17**	**646.65**	**1,591.03**
B)	**Petrochemical**					
1	PC-II Project (Vijaipur + Pata)	1,071.93	250.00	551.00	323.54	51.00
2	Phenol Acetone Project	-	150.00	1.00	-	1.00
3	PBR Project	-	150.00	1.00	-	1.00
	Total Petrochemical — B	**1,071.93**	**550.00**	**553.00**	**323.54**	**53.00**
	Grand Total	**1,635.18**	**2,709.01**	**1,804.17**	**970.19**	**1,644.03**

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
I	**REFINING & MARKETING**					
A	**REFINERIES**					
	Ongoing Projects					
1	Grassroot refinery in Eastern India at Paradip	3503.60	1975.10	2200.24	2084.93	246.48
2	Reverse osmosis plant for ETP at Gujarat Refinery	0.38	100.00	112.51	32.75	27.40
3	Coke chamber replacement and installation of allied modernised facilities in Coker - A unit at Barauni	23.70	176.00	171.29	102.73	140.42
4	Replacement of Flue Gas Cooler at Barauni	0.00	0.00	8.00	0.00	38.50
5	Installation of Reverse Osmosis Plant at Barauni	9.48	0.00	15.10	14.04	32.25
6	Installation of feed preparation unit at Haldia Refinery for Gr-II LOBS from Hydrocracker bottom	0.59	85.00	62.67	28.03	54.43
7	Distillate Yield Improvement (Coker) PJ at Haldia	49.42	393.00	333.22	73.23	1126.02
8	Petcoke Project at Paradip	0.00	63.00	28.15	1.07	108.14
9	Office Built-up space & Residential Apartment at Kidwai Nagar, New Delhi from M/s NBCC	52.19	130.00	49.69	24.85	70.85

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
10	Conversion of HGU-I at Gujarat to process RLNG as feed at Gujarat	12.12	0.00	0.00	0.00	0.00
11	Capital Lease expenditure for Paradip Facilities	3674.00	0.00	0.00	0.00	0.00
	Total (Ongoing Projects)	**7325.48**	**2922.10**	**2980.87**	**2361.63**	**1844.49**
	New Projects					
1	Indmax Project at BGR	0.00	0.00	1.37	1.37	35.00
2	Gujarat Refinery expansion to 18 MMTPA	0.00	51.00	0.86	0.31	40.91
3	C2/C3 Recovery from RFCC & DCU off gases at Panipat	0.00	43.00	37.14	32.82	55.00
4	Expansion to 11 MMTPA along with Coker at Mathura	0.00	1.00	0.00	0.00	79.96
5	FCC Revamp at Gujarat Refinery	0.00	1.00	0.00	0.00	0.00
6	Panipat Refinery expansion to 20.2 MMTPA	0.00	1.00	1.35	0.00	30.00
7	New Refinery	0.18	2.00	0.84	0.00	0.00
8	Installation of modular CRU at Guwahati Refinery	0.00	1.00	0.00	0.00	10.20
9	BS-IV project at Gujarat	0.00	30.00	15.26	6.35	156.73
10	BS-IV project at Barauni	0.00	20.00	24.10	0.00	240.70
11	BS-VI Quality upgradation projects	0.00	0.00	1.60	0.00	6.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
12	Indalin Plant at Barauni Refinery	0.00	0.00	0.00	0.00	0.00
13	Pet coke despatch facility by Rail wagon at Panipat Refinery	0.00	0.00	0.00	0.00	0.00
14	VGO-HDT revamp at Gujarat Refinery	0.00	0.00	0.00	0.00	0.00
15	LOBS expansion project at Haldia Refinery	0.00	0.00	0.00	0.00	0.00
16	LOBS project at Gujarat Refinery	0.00	0.00	0.00	0.00	0.00
17	FCC Revamp at Barauni Refinery	0.00	0.00	0.00	0.00	0.00
18	DHDS revamp at Haldia Refinery	0.00	0.00	0.00	0.00	0.00
	Total (New Projects)	**0.18**	**150.00**	**82.52**	**40.85**	**654.50**
	Completed Projects					
1	Residue Upgradation Project, Gujarat	93.66	0.00	9.40	9.40	0.00
2	MSQ Project, Digboi	4.45	0.00	1.00	0.00	0.00
3	MSQ Project, Guwahati	0.00	0.00	0.04	0.00	0.00
4	MSQ Project, Panipat	0.00	0.00	0.08	0.08	0.00
5	DHDT, BGR	16.19	15.00	29.26	12.54	0.00
6	MSQ, BGR	1.55	1.00	2.82	1.32	0.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
7	FCCU Revamp at Mathura	116.85	60.00	60.12	27.64	0.00
8	Augmentation of Raw water intake system with dedicated raw water intake facility at Haldia	0.00	0.00	0.00	2.11	0.00
9	Installation of one new Gas Turbine at Gujarat Refinery	50.72	0.00	9.57	0.01	0.00
10	ETP Modernization Project at Barauni	6.61	0.00	0.00	0.00	0.00
11	2*90 TPD Sulphur Pelletising Unit at Mathura	0.00	0.00	13.41	11.26	0.00
12	OHCU Project, Haldia	0.46	0.00	0.00	0.00	0.00
13	MSQ Project, Barauni	8.60	0.00	0.00	0.79	0.00
14	PRAEP- 12 to 15 MMTPA, Panipat	2.22	0.00	0.00	0.00	0.00
15	Installation of Sulphur Pelletising Unit at Panipat	-0.11	0.00	0.00	0.00	0.00
	Total (Completed Projects)	**301.20**	**76.00**	**125.70**	**65.15**	**0.00**
	Sub Total (Refineries)	**7626.86**	**3148.10**	**3189.09**	**2467.63**	**2498.99**

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
B	**PIPELINES**					
	Ongoing Projects					
1	ATF Pipeline to Kolkata Airport	0.79	10.00	10.00	3.69	5.00
2	Paradip-Raipur-Ranchi Product Pipeline	125.77	295.00	285.00	173.42	335.00
3	Debottlenecking of SMPL System	398.12	250.00	300.00	172.87	110.00
4	Replacement of MLPUs in SMPL	29.16	30.00	78.00	56.33	0.00
5	CBR-Trichy PL	6.28	35.00	3.00	1.99	5.00
6	Paradip-Haldia-Durgapur LPG PL	273.36	300.00	225.00	80.17	240.00
7	Aug of PHBPL	135.51	150.00	200.00	112.21	95.00
8	Augmentation of FF system at tank farm location	137.11	150.00	172.00	115.43	35.00
9	Patna-Motihari-Baitalpur Pipeline	4.02	10.00	5.00	5.21	150.00
10	Ennore-Trichy-Madurai LPG Pipeline	2.51	5.00	4.00	2.68	5.00
11	Paradip-Hyderabad PL	0.30	5.00	6.00	1.20	225.00
12	Aug. of KSPL and Jaipur-Panipat Naphtha Pipeline	0.00	1.00	4.00	0.76	98.00
13	Augmentation of PHDPL and its extension upto Patna and Muzzaffarpur	0.00	1.00	4.50	0.86	120.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
14	Installation of Pumping Facilities at Kandla for Kandla-Viramgam Pipeline	0.00	1.00	0.50	0.44	30.00
15	Panipat-Kohand LPG Pipeline	0.00	0.00	0.10	0.00	15.00
16	Raxaul-Amlekhganj Pipeline	0.00	50.00	0.90	0.00	25.00
	Total (Ongoing Projects)	**1112.93**	**1293.00**	**1298.00**	**727.26**	**1493.00**
	New Projects					
1	Koyali - Sholapur Pipeline	1.02	6.00	2.00	1.37	4.00
2	Branch PL from PAJ to Una	0.00	1.00	0.00	0.00	1.00
3	Pipeline Connectivity to IOC's Mysore BP	0.00	0.00	0.00	0.00	1.00
4	New Haldia-Barauni Product Pipeline	0.00	0.00	0.00	0.00	1.00
5	Kandla Panipat LPG Pipeline	0.00	0.00	0.00	0.05	0.00
	Total (New Projects)	**1.02**	**7.00**	**2.00**	**1.42**	**7.00**

Statement II

Part A

INDIAN OIL CORPORATION LIMITED Rs. in Crore

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
	Completed Projects					
1	Hook up of Jasidih ToP with HBPL	2.56	0.00	0.00	0.00	0.00
2	Spurline from DPPL to Micropolypet	4.00	0.00	0.00	0.00	0.00
	Total (Completed Projects)	**6.56**	**0.00**	**0.00**	**0.00**	**0.00**
	Sub Total (Pipelines)-B	**1120.51**	**1300.00**	**1300.00**	**728.68**	**1500.00**
C	**MARKETING**					
	Ongoing Projects					
1	LPG import facilities, Kochi [Kerala]	37.41	100.00	60.00	1.63	250.00
2	LPG import facilities at Paradip [Odisha]	0.00	15.00	0.50	0.00	70.00
3	Resitement of Tinsukia Terminal to Golai, Digboi	0.00	0.00	0.00	0.00	60.00
4	Raze and Rebuild of Vizag Terminal	0.00	0.00	0.00	0.00	10.00
5	Marketing Terminal for Eastern sector Refinery [Odisha]	48.04	16.00	45.00	30.26	5.00
6	Resitement of Bilaspur & Bisrampur Depots to Korba [Chhattisgarh]	56.00	45.00	65.00	34.71	20.00
7	Resitement of Tata Nagar and Ranchi Depots to Khunti [Jharkhand]	36.97	70.00	60.00	21.04	45.00
8	New Marketing terminal at Ennore [Tamil Nadu]	0.00	20.00	1.00	0.00	5.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
9	Construction of POL Depot at Imphal, Manipur	0.00	0.00	0.00	0.00	8.00
10	LPG facilities at Paradip [Odisha]	27.02	7.00	15.00	6.75	0.00
11	Resitement of Rourkella & Sambalpur Depots 'to Jharsuguda [Odisha]	53.51	35.00	25.00	16.54	5.00
12	Modern LBP at Kolkata	0.00	0.00	0.00	0.00	30.00
13	CONSTRUCTION OF OFFICE BUILDING , KASO	0.00	0.00	0.00	0.00	40.00
14	Modern LBP at LC Tby & Modern Base Oil handling facility at LBP Trombay	0.00	0.00	0.00	0.00	10.00
15	NEW BOTTLING PLANTS AT BANKA, BIHAR	0.00	0.00	0.00	0.00	20.00
16	NEW BOTTLING PLANT AT JABALPUR	0.00	0.00	0.00	0.00	3.00
17	ADDITIONAL TANKAGE/ TLF BAYS/ ELECTRICAL/ PIPING - Devangothi	0.00	0.00	0.00	0.00	12.75
18	Rebuilding of LBP facilities, Taloja	0.00	0.00	0.00	0.00	21.87
19	CONSTRUCTION OF OFFICERS & STAFF QTRS - ANDHERI COLONY	0.00	0.00	0.00	0.00	27.00
20	Augmentation of BDFP facilities at Mathura	0.00	0.00	0.00	0.00	20.00
21	3 x 1200 MT ADDL MOUNDED STORAGE, Cochin BP	0.00	0.00	0.00	0.00	13.86
22	Provision of HRS for IAF at Pune	0.00	0.00	0.00	0.00	4.00
23	Re-routing of Chennai docklines , Korrukupet	0.00	0.00	0.00	0.00	40.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
24	Hydrant Refuelling System, Chandigarh	0.00	0.00	0.00	0.00	20.00
25	Automation Revamping Job At PMC PH-II, Panipat Marketing Complex	0.00	0.00	0.00	0.00	20.00
26	CONSTRUCTION OF APSO / DO/AO	0.00	0.00	0.00	0.00	0.50
27	ADDITIONAL TANKAGE AT LEH	0.00	0.00	0.00	0.00	15.00
28	Hydrant refuelling system, Hindan	0.00	0.00	0.00	0.00	20.50
29	ATF Pipeline connectivity between Mourigram terminal & Kolkata AFS.	0.00	0.00	0.00	0.00	5.18
30	Construction of new AFS, Kandla	0.00	0.00	0.00	0.00	1.42
31	Remodelling/Revamping of TW gantry, Kanpur	0.00	0.00	0.00	0.00	10.00
32	HRS EXTENSION, Kolkata	0.00	0.00	0.00	0.00	9.00
33	Revamp of LPG Facilities at LPG Import Terminal, Kandla	0.00	0.00	0.00	0.00	2.47
34	Additional bulk LPG storage of 2x 1200 MT, Belgaum BP	0.00	0.00	0.00	0.00	2.61
35	Fabrication of 69 nos. aircraft refuellers of 6kl, 16kl, 27kl & 45 Kl.	0.00	0.00	0.00	0.00	6.15
36	CONSTRUCTION OF OFFICE BUILDING FOR OSO, BHU'WAR	0.00	0.00	0.00	0.00	0.00
37	Revamping and modernisation of IBP, Borkhola	0.00	0.00	0.00	0.00	1.26

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
38	AUGMENTION OF STORAGE CAPACITY 3x150 MT MOUNDED					
	BULLETS, Bishalgarh	0.00	0.00	0.00	0.00	0.00
39	Additional LPG tankage 2*900 MT, Haridwar	0.00	0.00	0.00	0.00	7.86
40	Augmentataion of storage capacity 2X600 MT mounded bullets, Guwahati BP	0.00	0.00	0.00	0.00	7.92
41	Construction of Rly Overbridge at Mathura	0.00	0.00	0.00	0.00	0.00
22	MB Lal Committee Scheme items	0.00	0.00	0.00	0.00	299.06
23	Other Projects (<Rs. 50 crore)	0.00	0.00	0.00	0.00	173.87
	Total (Ongoing Projects)	**258.95**	**308.00**	**271.50**	**110.93**	**1149.41**
	New Projects					
1	New Cylinders (only 14.2 kg)	996.95	1444.00	1333.00	818.92	0.00
2	14.2 Kg Cylinders (including new & replacement)	0.00	0.00	0.00	0.00	2206.50
3	19 Kg Cylinders (including new & replacement)	0.00	0.00	0.00	0.00	60.96
4	47.5 Kg Cylinders (including new & replacement)	0.00	0.00	0.00	0.00	39.22
5	5 Kg Cylinders (including new & replacement)	0.00	0.00	0.00	0.00	48.39
6	New PRs	101.16	168.00	142.00	94.30	0.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
7	Pressure Regulators	0.00	0.00	0.00	0.00	140.76
8	RO modernization	748.98	946.00	598.80	492.48	560.40
9	Cylinders for DBC	487.53	707.00	652.00	399.12	0.00
10	Development of new ROs	395.46	522.00	325.90	239.06	327.20
11	Railhead depot at Cachar Valley (Assam)	0.00	15.00	2.00	0.00	20.00
12	Asanur TOP (Tamil Nadu)	0.00	10.00	26.00	22.50	25.00
13	Grass roots depot at Una (Himachal Pradesh)	0.00	5.00	0.50	0.79	35.00
14	Railhead depot at Agartala (Tripura)	0.00	5.00	0.00	0.00	25.00
15	New Lube Complex at Chennai	0.00	0.00	0.00	0.00	10.00
16	Chennai POL Terminal	0.00	0.00	0.00	0.00	30.00
17	Addl Ethanol tankage to meet 20% dosing facility as per Govt directives	0.00	0.00	0.00	0.00	25.00
18	ToP at Hyderabad, TAPSO	0.00	0.00	0.00	0.00	25.00
19	ToP on PHPL at Vijayawada, TAPSO	0.00	0.00	0.00	0.00	20.00
20	Resitement of Raxaul to Motihari Tml - Land	0.00	0.00	0.00	0.00	20.00
21	Raze, rebuild & revamp of Marketing Depot at Doimukh	0.00	0.00	0.00	0.00	20.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED Rs. in Crore

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
22	Construction of grass root POL Depot at Guntakal, AP	0.00	0.00	0.00	0.00	5.00
23	Mangalore Redevelopment with addl land. KASO	0.00	0.00	0.00	0.00	10.00
24	NEW BOTTLING PLANT AT GORAKHPUR, UP	0.00	0.00	0.00	0.00	20.00
25	CUF on PHPL at Berhampur, Odisha	0.00	0.00	0.00	0.00	25.00
26	Chitradurga CUF , KASO	0.00	0.00	0.00	0.00	20.00
27	NEW BOTTLING PLANTS AT GOINDWAL SAHIB, PUNJAB	0.00	0.00	0.00	0.00	2.00
28	CUF at Meeramandali, Odisha	0.00	0.00	0.00	0.00	20.00
29	SDMS CRM Project	0.00	0.00	0.00	0.00	60.00
30	Revamping/Expension& Integration of Estwhile IBP Terminal (Panipat)	0.00	0.00	0.00	0.00	10.00
31	Revamping of facilities at Betkuchi Land with additional land (11 acres)	0.00	0.00	0.00	0.00	15.00
32	RESITEMENT OF JAMMU DEPOT - Land	0.00	0.00	0.00	0.00	15.00
33	Augmentation and revamping of Salem BP	0.00	0.00	0.00	0.00	2.00
34	Setting up of 60 TMTPA Bottling Plant at Bhatinda	0.00	0.00	0.00	0.00	20.00
35	NEW BOTTLING PLANTS AT KHUSINAGAR	0.00	0.00	0.00	0.00	1.00
36	Addl Facilities at Manmad - Koyali-Ahmednagar/Solapur Pipeline	0.00	0.00	0.00	0.00	5.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
37	Addl Facilities at Solapur - Koyali-Ahmednagar/Solapur Pipeline	0.00	0.00	0.00	0.00	5.00
38	Addl Facilities at Ahmednagar - Koyali-Ahmednagar/Solapur Pipeline	0.00	0.00	0.00	0.00	5.00
	Procurement of 2 nos of MULA & 1 no of Flash Gas Compressor for Kandla		0.00	0.00	0.00	41.00
	3RD CAROUSEL in Additional Shed, Budge Budge		0.00	0.00	0.00	10.69
	Provision of 3 x450 MT Mounded Storage, Ennore		0.00	0.00	0.00	4.00
	Augmentation with 16 Bay TLF , Fire fighting facilities @Barauni		0.00	0.00	0.00	5.00
	PROCUREMENT OF LAND AT MANGALORE BP		0.00	0.00	0.00	5.00
	3X600MT Mounded vessels with Fire Pump house, fire water tank & associated works, Rajkot BP		0.00	0.00	0.00	4.00
	Prov. Of High Speed High Capacity Carousal & Allied facilities at Cherlapally BP		0.00	0.00	0.00	7.50
	Provision of 2 x900 MT Mounded Storage, Lucknow BP		0.00	0.00	0.00	10.00
	ADDL LPG STORAGE - 2400 MT , Budge Budge		0.00	0.00	0.00	0.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
	Additional 3 x 600 MT Mounded Storage at Kondapalli BP, Vijaywada		0.00	0.00	0.00	7.00
39	Other Projects (<Rs. 50 crore)	0.00	0.00	0.00	0.00	94.19
	Total (New Projects)	**2730.08**	**3822.00**	**3080.20**	**2067.15**	**3972.62**
	Completed Projects					
1	New Marketing Terminal at Jasidih [Jharkhand]	14.09	1.00	1.00	0.64	0.00
2	New Marketing Terminal at Tikri Kalan [Delhi]	7.14	0.50	3.00	2.87	0.00
3	Chittoor Terminal on CBPL [Andhra Pradesh]	2.53	0.00	0.00	0.00	0.00
4	LPG Bottling plants (Old schemes) [33 locations]	0.12	0.00	0.00	0.00	0.00
5	New Marketing TOP at Mohanpura, Jaipur	0.00	0.00	0.00	0.00	0.15
	Total (Completed Projects)	**23.88**	**1.50**	**4.00**	**3.51**	**0.15**
	Sub-Total (Marketing) - C	**3012.91**	**4131.50**	**3355.70**	**2181.59**	**5122.18**
D	**RESEARCH & DEVELOPMENT**	**96.73**	**198.90**	**456.18**	**355.43**	**215.78**

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
E	GAS SCHEMES					
	Ongoing Projects					
1	Gas Grid comprising cross country pipelines in JV	19.50	240.00	13.00	13.00	35.00
2	CGD Project in Chandigarh & Allahabad	9.78	30.00	26.00	25.20	20.00
3	Ennore LNG project	16.70	337.20	275.00	131.00	63.00
4	CGD Projects in Panipat daman, Udham Singh Nagar , Dharwad and Ernakulam	0.00	0.00	15.00	0.00	10.00
	Total (Ongoing Projects)	**45.98**	**607.20**	**329.00**	**169.20**	**128.00**
	New Projects					
1	City gas project in any state against PNGRB Bidding	0.00	0.50	0.50	0.00	0.50
2	New cross country piplines coming for bidding by PNGRB including pipeline for supply of gas to IOC eastern refineries.	0.00	0.30	0.50	0.00	0.50
3	Equity in Mundra Terminal of Adani & GSPC. and East Coast ***(Line entry)***	0.00	0.00	0.00	0.00	0.00
	Total (New Projects)	**0.00**	**0.80**	**1.00**	**0.00**	**1.00**
	Completed Projects					

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
1	City Gas project at Agra and Lucknow	0.00	0.00	0.00	0.00	0.00
	Total (Completed Projects)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	Sub-Total (Gas Schemes) - E	**45.98**	**608.00**	**330.00**	**169.20**	**129.00**
F	**BD (R&P)**					
1	Other overseas investment opportunities	0.00	5.00	0.00	0.00	0.00
	Sub-Total (BD (R&P)) - F	**0.00**	**5.00**	**0.00**	**0.00**	**0.00**
G	**BD (AE&SD)**					
	Ongoing Projects					
1	Equity participation in JVs (Bio-diesel) (IndianOil Ruchi Biofuels LLP)	0.10	0.10	0.15	0.10	0.14
2	Equity participation in JVs (IndianOIl CREDA Biofuels Ltd.)	0.78	0.50	0.23	0.07	0.23
3	Investment in bio-diesel projects (MP & Chattisgarh)	0.00	0.00	0.00	0.00	0.00
4	Equity participation in JVs (Nuclear power)	0.00	0.10	0.10	0.00	0.10
5	Wind power project	30.91	0.10	0.10	0.00	0.10
	Total (Ongoing Projects)	**31.79**	**0.80**	**0.58**	**0.17**	**0.57**

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
	New Projects					
1	New Solar PV project on vacant IOCL lands (line entry)	0.05	15.00	30.00	11.25	65.47
2	New Wind project	0.00	0.10	1.00	0.13	530.00
3	Waste to Fuel	0.00	0.00	0.00	0.00	20.00
4	RE implementation at IOCL locations	0.00	0.10	0.10	0.00	0.10
5	Solar CSP-staggered expenditure	0.00	0.10	0.00	0.00	0.00
6	Other new projects (RO Solarization, Small Wind Solar hybrid, Biogas based power and CNG, Sustainability, etc.)	0.00	0.10	0.10	0.00	0.10
7	Ethanol Production Facility	0.00	0.10	0.00	0.00	0.00
8	Solar power project study & line etry	0.00	0.00	0.10	0.00	1.00
9	Geothermal exploratory pilot project	0.00	0.00	0.00	0.00	0.00
10	Small hydro exploratory project	0.00	0.00	0.00	0.00	0.00
	Total (New Projects)	**0.05**	**15.50**	**31.30**	**11.38**	**616.67**

Statement II

Part A

INDIAN OIL CORPORATION LIMITED Rs. in Crore

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
	Completed Projects					
1	Solar PV project	0.00	0.00	0.00	0.00	0.00
	Total (Completed Projects)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
	Sub-Total (BD (General)) - G	**31.84**	**16.30**	**31.88**	**11.55**	**617.24**
	TOTAL (REFINING & MARKETING) (A+B+C+D+E+F+G) - I	**11934.83**	**9407.80**	**8662.85**	**5914.08**	**10083.19**
II	**EXPLORATION & PRODUCTION**					
	Ongoing Projects					
1	Other overseas projects (Libya, Gabon, Yemen) (including Bid expenses)	113.35	168.00	95.21	81.78	100.60
2	New project (Carababo project)	31.40	53.00	65.00	5.70	65.00
3	Farm-in opportunities in India	1.77	146.30	107.70	13.18	89.12
4	Exploration blocks under NELP	177.82	57.00	101.94	45.80	85.75
5	Coal Bed Methane blocks with ONGC	25.36	34.60	11.85	4.75	36.60
6	New projects (S-Block)	82.52	76.00	98.14	74.59	2.00
7	New E&P opportunities (Domestic/ Overseas)	44.49	120.00	19.36	33.40	26.13
8	Exploration & development of oil field in Middle-east with ONGC-VL/OIL	0.00	0.00	4.45	0.00	0.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
9	Project Music (10% Stake from Petronas)	1339.34	0.00	1964.50	735.80	1592.55
	TOTAL (E&P) - II	**1816.05**	**654.90**	**2468.15**	**995.00**	**1997.75**
III	**PETROCHEMICALS**					
	Ongoing Projects					
1	Paradip petrochemicals phase-I, Polypropylene project	3.87	200.00	257.74	15.30	1156.47
2	Recovery of Styrene from Naphtha Cracker at Panipat	0.00	9.90	4.36	0.00	38.60
	Total (Ongoing Projects)	**3.87**	**209.90**	**262.10**	**15.30**	**1195.07**
	New Projects					
1	C4/C5 Based project at Panipat (Phase-1) & (Phase-2)	0.03	1.30	0.42	0.17	1.00
2	Acrylic based project & Oxo Alcoholic project at Gujarat	0.27	22.00	0.06	0.06	1.00
3	Augumentation of LAB Capacity at Gujarat	0.00	1.00	0.00	0.00	1.00
4	Facilities for production of Para-xylene at Haldia/PX complex at Paradip	0.00	1.60	1.27	0.95	1.00
5	Elastomer Complex at PR (Rs. 850 crore) (in JV)	0.00	1.00	0.00	0.00	0.00
6	Ethylene derivative complex at PDRP (Rs. 2,000 crore) (in JV)	0.15	54.50	8.51	0.06	36.15

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
7	New LAB plant at coastal location	0.00	0.40	0.00	0.00	0.00
8	Naphtha Cracker expansion at Panipat	0.00	0.00	3.75	3.75	7.00
9	PTA Expansion at Panipat	0.00	0.00	1.80	0.18	1.00
10	PX Expansion at Panipat	0.00	0.00	7.60	5.95	7.00
11	Petcoke gasification based Ethanol Project at Paradip	0.00	1.30	2.20	1.82	1.00
12	Global study for effective utilization of petcoke in IOC refineries	0.00	2.30	1.18	0.00	1.00
13	HDPE compounding project at Panipat	0.00	1.00	0.00	0.00	0.00
14	LAB plant acquisition of M/s TPL on slump-sale basis	0.00	30.00	40.00	0.00	400.00
15	OPaL/VMD Equity Investment Study	0.00	0.00	1.00	0.00	1.00
16	Petrochemical Complex at Barauni Refinery	0.00	0.00	0.00	0.00	1.00
17	C2/C3 Complex at Panipat Refinery	0.00	0.00	0.00	0.00	1.00
18	Petrochemical complex at North-Eastern Refinery	0.00	0.00	0.00	0.00	0.50
19	Feasibility for petrochemical projects - Overseas	0.00	0.00	0.00	0.00	1.00
20	Ethylene Oxide at Panipat	0.00	0.00	0.00	0.00	0.00
21	Haldia Petrochemical Acquisition	1.01	0.00	0.00	0.00	0.00

Statement II

Part A

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE* 2015-16	Actual Upto Dec. 2015)	B.E. 2016-17
1	2	3	4	5	6	7
22	Coal/Coke gasification and Acetic Acid project at Gujarat	9.72	0.00	0.00	0.00	0.00
	Total (New Projects)	**11.18**	**116.40**	**67.79**	**12.94**	**461.65**
	Completed Projects					
1	Naphtha Cracker in Panipat	512.54	0.00	7.95	7.95	0.00
2	Butadiene Extraction Unit (BDEU) at Panipat	21.51	20.00	24.68	7.15	35.21
3	Butene-1 production at Panipat	13.70	0.00	9.39	9.39	0.00
	Total (Completed Projects)	**547.75**	**20.00**	**42.02**	**24.49**	**35.21**
	TOTAL (PETROCHEMICALS) - III	**562.80**	**346.30**	**371.91**	**52.74**	**1691.93**
	GRAND TOTAL : (IndianOil) (I + II + III)	**14313.68**	**10409.00**	**11502.91**	**6961.82**	**13772.87**

* This figure was provisionally submitted to MoP&NG in October'14. The figures approved by the IndianOil management for BE 2015-16 is Rs. 10540.00 crore . However MoP&NG in Outcome Budget for 2015-16 had considered the provisional submission only.

Statement II

Part C

INDIAN OIL CORPORATION LIMITED **Rs. in Crore**

	Actual		BE	RE	Actual (upto Dec. 2015)	B.E.
	2012-13	**2013-14**	**2013-14**	**2015-16**	**2015-16**	**2015-16**	**2016-17**
EXPLORATION	389.88	6,789.28	1,816.05	654.90	2,468.15	995.00	1,997.75
REFINING & MARKETING	8,655.72	9,463.75	11,934.82	9,407.80	8,662.85	5,914.08	10,083.19
PETROCHEMICALS	332.51	407.58	562.81	346.30	371.91	52.74	1,691.93
TOTAL-IOCL	**9,378.11**	**16,660.61**	**14,313.68**	**10,409.00**	**11,502.91**	**6,961.82**	**13,772.87**

*These figures were provisionally submitted to MoP&NG in October'14. The figures approved by the IndianOil management for BE 2015-16 is Rs. 10540.00 crore .

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
Exploration & Production	**17.61**	**150.71**	**27.59**	**21.95**	**67.02**
Refinery & Marketing					
Green Fuels & Emmission Control Project	-7.17	0.00	0.00	-0.40	-
New FCCU 8.08	0.00	0.00	4.21	-	
Upgradation of LOBS Quality-FS	4.61	0.00		6.22	-
Crude Tankage at Jawahar Dweep					-
Electrical System Intergration / Reliability improvement					-
Calico Land-Cavern / Tankage	-2.05	50.00	0.00	0.00	-
Value Addition facilities					-
Export-Import facilities					-
Sewree Tankage					-
Relocation of Asphalt packaging to Vashi					-
Fuel Gas Desulferisation unit (FGDS)					-
Improvement in Effluent Treatment Process Unit (ETP)	4.26	0.00	0.00	0.03	-

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
Desalination Plant					-
Modernisation of Process facilities (Feasibility					-
Residue Upgradation - PDA revamp	7.22	0.00	0.00	0.81	-
Diesel Hydrotreater - MR	191.76	27.35	80.33	58.54	22.84
Energy conservation	0.00	0.00	0.00	0.00	-
Feasibility study for Margin improvement	0.00	0.00	0.00	0.00	-
Visbreaker				-	
Upgradation of Offsites and associated facilities	0.00	0.00	0.00	0.00	-
Yield Improvement/Bottoms upgradation - SDA	0.00	0.00	0.00	0.00	-
VGO Desulpherisation project at MR	0.00	9.50	0.00	0.00	-
FR Revamp	0.00	0.00	0.00	0.00	-
Propylene Manufacturing facilities at Mumbai Refinery	0.00	0.00	0.36	0.00	5.00
GTG Replacement - Electrical System Integration / Reliability Improvement	0.00	0.00	0.18	0.00	5.00
Augmentation of Raw water supply					

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
HGU Revamp	0.00	0.00	0.00	0.00	
Mumbai Refinery Master Plan (MRMP)	17.82	45.00	12.31	0.13	251.14
Jetty 5 construction by MbPT (HPCL Share)					40.00
Clean Fuels & Emission Control Project	1.27	0.00	0.00	9.56	-
SPM and Crude Oil Terminal	0.21	0.00	3.00	3.74	-
Diesel Hydrotreater- VR	433.36	45.00	66.28	78.68	15.63
FCCU II Revamp and FGDS	0.00	0.00	0.00	0.00	-
Feasibility study of various Projects (CEC)	0.00	0.00	0.00	0.00	-
Modernisation/Capacity Improvement/VR Expansion Project	6.94	100.00	78.00	17.41	531.00
Residue Upgradation					
NVRP					
Implementation of 220 Kv Grid Power to HPCL VR					5.00
Natural Gas	0.00	0.00	0.00	0.00	-
VGU Desulpherisation project	0.00	0.00	0.00	0.00	-
Bottoms Upgradation Project at VR	0.00	0.00	0.00	0.00	-

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
GTG replacement	0.00	0.00	0.00	0.00	-
DHDS 0.00 0.00	0.00	0.00	-		
Resitement of Visakh Marketing Terminal	3.71	0.00	0.00	0.49	-
Resitement to Ennore Terminal	-0.13	0.00	0.00	-0.23	-
Computers and Communication Network	0.82	0.00			-
LPG Bottling Plants at plan locations and Tankage Augmentaion	152.01	194.00	90.00	60.31	176.00
Underground Cavern storage at MLIF	0.00	0.00	0.00	0.00	-
Construction of CNG Stations in Bangladesh					-
Mundra-Delhi Pipeline	6.19	0.00	0.00	0.74	-
Rewari - Kanpur Pipeline	489.63	288.00	288.00	259.52	50.00
Awa-Salawas Pipeline	19.24	4.00	6.00	4.53	-
VVPL Contingent Liabilities	-0.30	0.00	0.00	0.00	-
MPPL Extension					-
DFR for Evacuation of GGSRL Bathinda Refinery white oil products by pipeline					-

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
Evacuation of GGSRL Refinery white oil products by pipeline	3.26	0.00	0.00	-2.45	-
MDPL Phase II Expansion and Extension from Palanpur to Vadodara					1.00
P/L-Bahadurgargh-Delhi Airport -Survey & P/L laying	0.00	1.00	0.00	0.04	15.00
LPG Pumping in Ramanmandi Bahadurgargh Pipeline					1.00
VR Expansion Evacuation Project					1.00
Subsea LPG Pipeline	20.74	0.00	0.00	0.83	
LPG pipeline from Uran to Chakkan	46.84	100.00	80.00	33.92	36.00
Bathinda -Bahadurgarh LPG Pipeline					
Mangalore-Blore LPG Pipeline	241.14	210.90	210.90	112.62	136.64
Gas Pipeline from Kakinada to Visakh	0.00	0.00			
Navi Mumbai Airport Pipeline	0.00	1.00	0.00	0.01	3.00
MDPL Phase II Capacity Expansion	0.00	0.00	0.00	0.00	-
VVSPL Phase II Capacity Expansion	0.00	0.00	0.00	0.00	-
Pre-feasibility study Pathankot					-

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
Loni Miraj Solapur pipeline	0.00	0.00	0.00	0.00	-
Lube Blending Plant at various places					10.00
New LPG Pipelines					5.00
DFR for laying Pipelines & Miscellaneous works	0.00	1.00	3.00	0.64	5.50
R&D Project	82.88	93.70	100.00	56.59	77.00
R&D Project - Phase II Cost Study	0.00	1.70	0.50	0.00	1.70
R&D Centre Infrastructure Augmentation	0.00	36.00	52.10	0.00	22.90
R&D Centre Phase II Facilities					10.00
LNG Regasification facility at Chhara	2.00	50.00	9.52	3.50	73.52
Greenfield Refinery Project	0.39	3.00	0.00	0.00	0.10
Prize Petroleum Limited	0.00	100.00	125.00	62.50	130.00
HPCL MITTAL ENERGY LIMITED	0.00	146.00	248.82	248.82	240.69
Expansion of capacity-Visakh Refinery					

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
HPCL Biofuels Ltd	0.00	0.00	0.00	0.00	-
New LNG Facilities	0.00	5.00	0.00	0.00	-
			-		
Hindustan Colas					-
Bhagyanagar Gas	0.00	0.00	0.00	0.00	-
Avantika Gas	0.00	0.00	0.00	0.00	-
Petronet MHB					-
South Asia LPG Co Pvt Ltd	0.00	0.00	0.00	0.00	-
CREDA HPCL Biofuel Ltd	0.00	0.00	0.00	0.00	-
Gas Infrastructure in Northern region					
Gas Infrastructure in Various region					
Cross Country Gas Pipeline in consortium with GSPL/IOC/BPC	8.25	100.00	11.55	5.50	10.00
State Natural Gas Grid	0.00	0.00	0.00	0.00	
Citi Gas Distribution Network (Proposed JV between HPCL & APGDC)	0.00	5.00	5.00	0.00	10.00
Overseas Refinery/Marketing Assets	0.00	0.00	0.00	0.00	-

Statement II

Part A

HINDUSTAN PETROLEUM AND NATURAL GAS **Rs. in Crore**

Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
1	2	3	4	5	6
JV with Renuka Sugar					-
JV for Mangalore LPG Cavern storage	0.00	0.00	0.00	0.00	-
Green Field refinery cum petrochemical complex (PCPIR)	2.21	5.00	4.90	0.65	2.80
Refinery at Rajasthan in JV with MRPL/EIL/Govt. of Raj.					
Mumbai Aviation Fuel Farm Facility Private Limited	4.50	14.49	36.44	31.97	12.78
Petroleum India International					
Refinery & Marketing	**1749.67**	**1636.64**	**1512.19**	**1059.43**	**1907.24**
Petrochemicals					
Propylene Manufacturing facilities at Mumbai Refinery	0.00	4.50	0.00	0.00	0.00
Mixed Xylenes from Continuous Catalytic Reformer(CCR) at Mumbai	0.00	0.00	0.00	0.00	0.00
Mixed Xylenes from Continuous Catalytic Reformer (CCR) at Visakh	0.00	0.00	0.00	0.00	0.00
Aromatic Project at Visakhapatnam					
Naphtha cracker					
Petrochemicals	**0.00**	**4.50**	**0.00**	**0.00**	**0.00**
Total 1767.28	**1791.85**	**1539.78**	**1081.38**	**1974.26**	

Statement II

Part A

BHARAT PETROLEUM CORPORATION LIMITED (BPCL) **Rs. in Crore**

	Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
	1	2	3	4	5	6
	Refineries : Completed schemes					
1	Stand alone water supply scheme at Kochi refinery	-	1.00	1	-	-
2	Crude receipt facilities (SPM)at Kochi refinery	-	0.50	0.5	-	-
3	CEMP Project Phase II at Kochi refinery	-0.19	5.00	5	-49.63	-
4	Fuel quality upgraddation at Mumbai Refinery -Euro IV	-0.27	-	-	-	-
5	Hydrocracker revamp and setting up of new CCR at Mumbai Refinery	333.51	200.00	200	58.73	5.00
	Refineries : On going / New					
6	Replacement of CDU / VDU at Mumbai Refinery	360.19	700.00	700	594.59	299.00
7	Integrated Refinery Expansion Project at Kochi refinery	1424.64	2839.00	3225	2659.14	4000.00
8	**Provision for new facilities at refineries**	116.97	5.00	-	-	-
	i. Installation of Diesel Hydro Treatment Unit at Mumbai Refinery	-	-	15	9.54	20.00
	ii. CRU conversion to Isomer unit at Mumbai Refinery	-	-	5	8.82	15.00
	iii. Land acquisition by Kochi Refinery (KR) and PETCHEM Project					
	(Provision for Propylene Derivatives PETCHEM Project at KR)	-	-	50	42.89	63.00
	iv. Provision for new facilities at Refineries	-	-	-	-	15.00

Statement II

Part A

BHARAT PETROLEUM CORPORATION LIMITED (BPCL) **Rs. in Crore**

	Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
	1	2	3	4	5	6
9	U P Refinery project	0.04	18.00	5	0.05	10.00
	Forex Variation booked to Capex	285.53	-	-	75.68	-
	Sub Total Refining	**2520.42**	**3768.50**	**4206.50**	**3399.81**	**4427.00**
	Marketing : Completed / On going / New					
	LPG SBU					
10	LPG import facilities with strategic storage at Uran	6.56	5.00	4	4.68	-
11	Pipeline for transfer of LPG from BPCL / HPCL refineries to Uran LPG Plant & additional storage	29.36	13.00	13.00	11.42	2.12
12	LPG Bottling plants Ranchi and Raipur, Coimbatore (Resitement)	-	18.00	21.00	-	25.00
13	LPG import facilities and development of strategic storage at Mangalore *Project Dropped	-	-	-	-	-
14	LPG cross-country pipeline from Uran to Pune	63.57	50.00	20	19.51	35.00
15	LPG Import facilities at Ennore - Dropped	-	-	-	-	-

Statement II

Part A

BHARAT PETROLEUM CORPORATION LIMITED (BPCL) **Rs. in Crore**

	Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
	1	2	3	4	5	6
	Pipelines, MR / Retail SBU					
16	Kota to Jobner Pipeline	110.26	130.00	90	65.48	60.00
17	Kota Piyala pipeline Capacity Augmentation	28.06	1.00	1	2.35	-
18	Irugur Bangalore Pipeline Project	0.60	150.00	6	1.63	200.0
19	Provision for new product pipelines and other marketing infrastructure	-	2.00	-	-	-
	a. Provision for new cross country product pipelines					
	(pipelines yet to be conceived)	-	-	-	-	25.0
	b. Other Marketing Infrastructure (Krishnapattinam)	-	-	-	-	-
	c. New POL Terminal at Ennore	-	-	2	-	50.0
	d. Re-routing of Mumbai Manmad Pipeline	-	-	1	0.51	21.0
	e. Lube Oil Blending & Filling Plant at Sewree	-	-	1	-	30.0
20	Bina Despatch Terminal	0.69	3.50	3.5	3.22	-
21	Bina Kota Pipeline	1.28	0.00	1	0.18	-

Statement II

Part A

BHARAT PETROLEUM CORPORATION LIMITED (BPCL) Rs. in Crore

	Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
	1	2	3	4	5	6
22	Extension of MMPL-indore to Piyala / Bijwasan	-	-	-	0.09	-
	Sub Total : Marketing	**240.38**	**372.50**	**163.50**	**109.07**	**448.12**
23	**Equity Investments in Joint Venture Companies**	**44.43**	**379.00**	**198.50**	**27.96**	**226.20**
	Investment in BORL	-	0.10	0.10	-	0.1
	Central UP Gas Ltd.	-	0.10	0.1	-	0.1
	Maharastra Natural Gas Ltd	-	0.10	0.10	-	0.1
	Sabarmati Gas Ltd.	-	0.10	0.10	-	0.1
	Bharat Stars Pvt. Ltd	-	0.10	0.10	-	0.1
	City gas projects in Karnataka / Kerala/Panipat	-	32.50	10	-	10.0
	Provision for probable JVs(MAFFPL)	-	100.00	25	4.50	20.0
	LPG pipeline from Kochi Refinery to Salem via Coimbatore LPG plant	2.27	50.00	50	14.51	75.00
	Investment in gas business - gas pipeline with consortium partners & CGD INVESTMENTS	11.60	96.00	50	8.25	40.0
	Matrix Bharat Pte. Ltd.	-	0.10	0.10	-	0.1
	Petronet CCK Ltd	-	0.10	0.10	-	0.1

Statement II

Part A

BHARAT PETROLEUM CORPORATION LIMITED (BPCL) **Rs. in Crore**

	Name of Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual Upto Dec. 2015-16	B.E. 2016-17
	1	2	3	4	5	6
	Bharat Renewable Energy Ltd.	0.61	0.50	0.50	0.70	0.5
	Delhi Aviation Fuel Facility Pvt.Ltd.	-	0.10	0.10	-	-
	Investment in Kannur International Airport Ltd.(KIAL)	30.00	65.00	40.00	-	75.0
	Investment in KIAL & BPCL JV for fuel farm	-	15.00	22.20	-	5.0
	Petrochemical complex at Kochi	-	19.20	-	-	-
24	Exploration and Production activities through -					
	Bharat Petro Resources Ltd (BPRL)	1568.36	730.00	1225.00	1019.91	1400.00
	TOTAL	**4373.59**	**5250.00**	**5793.50**	**4556.75**	**6501.32**

Statement II

Part A

CHENNAI PETROLEUM CORPORATION LIMITED (CPCL) **Rs. in Crore**

Sl. No.	Name of the Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 Apr-Dec. 2015	B.E. 2016-17
	1	**2**	**3**	**4**	**5**	**6**
1	Crude Oil Pipeline	1.78	131.00	105.00	29.49	96.00
2	Auto Fuel Project to meet Euro-IV spec.	27.53	0.00	0.00	0.62	0.00
3	Resid Upgradation Project	355.63	1100.00	1100.00	783.42	853.00
4	Revamp of CDU/VDU of Ref.II	3.68	0.00	0.00	5.47	0.00
5	MREP - 6.0 MMTPA Expansion Project	0.09	0.00	0.00	0	0.00
6	Mounded Bullets	77.19	69.00	45.00	44.7	9.00
7	DHDS revamp	-				250.00
8	DHDT revamp	-				18.00
9	FCC Gasoline desulphurisation unit	-				12.00
	Total	465.90	1300.00	1250.0	863.70	1238.00

Statement II

Part A

MANGALORE REFINERY AND PETROCHEMICALS LTD., MANGALORE **Rs. in Crore**

Sl. No.	Name of the Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 Apr-Dec. 2015	B.E. 2016-17
	1	**2**	**3**	**4**	**5**	**6**
1	Refinery up gradation cum Expansion (Phase-III)	1,109.43	1,408.95	729.86	570.65	-
2	Poly-propylene Unit	302.81	379.52	422.76	215.31	33.00
3	SPM Facility off Mangalore Coast	60.53	264.29	51.00	-	-
4	CCR-II Revamp	-	90.12	10.00	-	30.00
5	Feasibility Study of New Projects & Others	-	1.00	0.15	-	11.35
6	Equity contribution to Aromatic complex	1,274.59	-	-	-	-
7	Installation of coke silos for storage & rake loading and development of Railway Sidings	-	-	-	-	72.00
8	Engg study & BEDP and others	-	-	-	-	23.00
	Total	**2,747.36**	**2,143.88**	**1,213.77**	**785.96**	**169.35**

****** Note - BE 2015-16 Rs. 2,143.88 crore considered was provisional. The Board approved BE 2015-16 is Rs. 1,564.00 crore.

Statement II

Part A

NUMALIGARH REFINERY LIMITED (NRL) **Rs. in Crore**

Sl. No.	Name of the Scheme	Actual 2014-15	BE 2015-16	RE 2015-16	Actual upto Dec. 2015	B.E. 2016-17
	1	2	3	4	5	6
A)	**Continuing Schemes (From 11th Five Year Plan)**					
1	Wax Project	357.66	154.65	80.00	68.61	52.00
2	Residual expenditure against plan projects completed during the 11th Five Year Plan (Line Entry)	-	1.00	1.00	-	-
	SUB TOTAL (Continuing Schemes)	**357.66**	**155.65**	**81.00**	**68.61**	**52.00**
B)	**New Schemes (12th Five Year Plan)**					
3	Refinery expansion from 3 to 9 MMTPA	1.21	10.00	10.00	8.36	10.00
4	New Pipeline for transporting imported crude from an Eastern Port to Numaligarh as linked project to the refinery expansion project	13.25	10.00	10.00	3.26	10.00
5	Foray into Power Generation (Line Entry)	-	1.00	1.00	-	1.00
6	Proudct Pipelines from NRL's Siliguri Terminal	0.02	1.00	2.00	0.24	2.00
7	Installation of Diesel Hydrotreating Unit	-	-	5.00	-	20.00
8	Revamp of MS Plant	-	-	1.00	-	10.00
9	Bio-refinery project	-	-	1.00	-	10.00
	Sub Total (New Schemes)	**14.48**	**22.00**	**30.00**	**11.86**	**63.00**
	Grand Total	**372.14**	**177.65**	**111.00**	**80.47**	**115.00**

Statement II

Part A

BALMER LAWRIE & CO. LTD. Rs. in Crore

		BE 2015-16	RE 2015-16	B.E. 2016-17
	1	2	3	4
A.	**Engineering**			
	CONTINUING SCHEMES			
1.	Packaging Products/Solutions for Lubricants and other similar products (Barrel Plants in various regions)	5.00	5.00	5.00
2.	Lubricating Oils, Greases and Speciality Lubricants and related services	12.00	4.00	10.00
3.	Equipment for Hydro Carbon Recovery for Crude Oil Storage Tanks/Lagoons	1.00		1.00
4.	Leather Chemicals	1.00	1.00	1.00

Statement II

Part A

BALMER LAWRIE & CO. LTD. **Rs. in Crore**

		BE 2015-16	RE 2015-16	B.E. 2016-17
	1	**2**	**3**	**4**
5.	Investment in JVC/Acquisition of business in the in the area of Travel & Tours/Logistics Services/ Industrial Packaging/Greases & Lubes/Leather Chemicals	20.00	72.00	10.00
6.	Additions/Modifications/Renewals/Replacement	4.00	3.00	2.00
7.	Infrastructure for Exports/Imports/ Container Freight Stations	50.00	10.00	15.00
8.	ERP Implementation & IT related Infrastructure	6.00	4.00	6.00
	GRAND TOTAL	**100.00**	**100.00**	**50.00**

Statement II

Part A

BIECCO LAWRIE LIMITED Rs. in Crore

Sl. No.	Name of the Project	Actual 2014-15	BE 2015-16	RE 2015-16	Actual upto Dec. 2015	B.E. 2016-17
1		2	3	4	5	6

STATEMENT-II
PART-B

STATEMENT SHOWING BUDGET ESTIMATES FOR 2016-17 AND FINANCING PATTERN THEREOF

(As on 28.01.2016) (Rs. in crore)

Sl. No.	Name of PSU	BE	Budgetary Support			IEBR				
		2016-17	Equity	Loan	Total	Internal Resources	Bonds/ Deb.	ECB/ Sup.	Others	Total
1	2	3	4	5	6	7	8	9	10	11
Exploration & Production										
1	ONGC	29307.20	0.00	0.00	0.00	29307.20	0.00	0.00	0.00	29307.20
2	GAIL	1734.59	0.00	0.00	0.00	-65.41	0.00	0.00	1800.00	1734.59
3	HPCL	67.02	0.00	0.00	0.00	67.02	0.00	0.00	0.00	67.02
4	BPCL	800.00	0.00	0.00	0.00	0.00	0.00	800.00	0.00	800.00
5	IOC	1997.75	0.00	0.00	0.00	340.88	0.00	1646.61	10.26	1997.75
6	OIL	11381.89	0.00	0.00	0.00	11381.89	0.00	0.00	0.00	11381.89
7	ONGC - OVL	14843.00	0.00	0.00	0.00	7160.35	0.00	0.00	7682.65	14843.00
	Sub-Total (A)	**60131.45**	**0.00**	**0.00**	**0.00**	**48191.93**	**0.00**	**2446.61**	**9492.91**	**60131.45**
Refinining & Marketing Sector										
1	IOC	10083.19	0.00	0.00	0.00	8482.74	0.00	1345.22	255.23	10083.19
2	HPCL	1907.24	0.00	0.00	0.00	479.89	0.00	1077.35	350.00	1907.24
3	BPCL	9797.00	0.00	0.00	0.00	4997.00	0.00	3175.00	1625.00	9797.00
4	CPCL	1073.00	0.00	0.00	0.00	816.00	500.00	870.00	-1113.00	1073.00
5	NRL	157.00	0.00	0.00	0.00	70.33	0.00	0.00	86.67	157.00
6	MRPL	1828.27	0.00	0.00	0.00	1828.27	0.00	0.00	0.00	1828.27
	Sub-Total (B)	**24845.70**	**0.00**	**0.00**	**0.00**	**16674.23**	**500.00**	**6467.57**	**1203.90**	**24845.70**

STATEMENT-II
PART-B

STATEMENT SHOWING BUDGET ESTIMATES FOR 2016-17 AND FINANCING PATTERN THEREOF

(As on 28.01.2016) (Rs. in crore)

Sl. No.	Name of PSU	BE	Budgetary Support			IEBR				
		2016-17	Equity	Loan	Total	Internal Resources	Bonds/ Deb.	ECB/ Sup.	Others	Total
1	2	3	4	5	6	7	8	9	10	11
Petro-Chemicals Sector										
1	IOC	1691.93	0.00	0.00	0.00	1423.38	0.00	225.72	42.83	1691.93
2	HPCL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	GAIL	53.00	0.00	0.00	0.00	53.00	0.00	0.00	0.00	53.00
4	MRPL	442.48	0.00	0.00	0.00	442.48	0.00	0.00	0.00	442.48
5	NRL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-Total (C)	**2187.41**	**0.00**	**0.00**	**0.00**	**1918.86**	**0.00**	**225.72**	**42.83**	**2187.41**
Engineering Sector										
1	Balmer Lawrie & Co. Ltd.	50.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	50.00
2	Biecco Lawrie Ltd.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Sub-Total (D)	**50.00**	**0.00**	**0.00**	**0.00**	**50.00**	**0.00**	**0.00**	**0.00**	**50.00**
	GRAND TOTAL (A+B+C+D)	**87214.56**	**0.00**	**0.00**	**0.00**	**66835.02**	**500.00**	**9139.90**	**10739.64**	**87214.56**

STATEMENT-II
PART-C

PLAN OUTLAY

(Rs. in crore)

Name of PSU	2012-13 Actual Exptr.	2013-14 Actual	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 April-Dec.'15 Deb.	2016-17 BE
1	2	3	4	5	6	7	8
OVL	10,891.41	35,357.00	7,171.55	10,402.00	8,488.00	5,000.96	14,843.00
ONGC	29,507.91	32,469.54	29,997.46	36,249.37	31,467.45	21,388.52	29,307.20
OIL	2,890.03	9,350.97	3,773.76	3,917.64	3,735.21	2,368.25	11381.89
GAIL	5,962.00	4,069.78	1,632.18	2,704.51	1,799.17	964.19	1787.59
IOCL	9,378.11	16,660.61	14,313.68	10,540.00	11,502.91	6,961.82	13,772.87
HPCL	2,883.65	2,641.87	2,669.61	1,791.85	1,539.78	1,081.38	1974.26
BPCL	3,829.59	4,373.58	6,874.75	6,501.32	7,250.00	5,558.39	10,597.00
MRPL	2,248.55	1,448.74	2,747.36	1,564.00	1,300.00	785.96	2270.75
CPCL	260.56	228.60	465.90	1,300.00	1,250.00	863.70	1,073.00
NRL	160.60	372.14	102.77	115.00	104.00	32.78	157.00
BALMER LAWRIE	67.28	119.55	79.79	100.00	100.00	22.29	50.00
BIECCO LAWRIE	-	-	-	-	-	-	-
Total (I&EBR)	**68,079.69**	**107,092.38**	**69,828.81**	**75,185.69**	**68,536.52**	**45,028.24**	**87214.56**

CHAPTER-VI

REVIEW OF PERFORMANCE OF STATUTORY AND AUTONOMOUS BODIES

OIL AND NATURAL GAS CORPORATION LIMITED

6.1 Introduction

Oil and Natural Gas Corporation Limited (ONGC), engaged in exploration and exploitation of oil, natural gas and value added products (VAP), was incorporated on June 23, 1993 under Companies Act 1956, pursuant to Govt. of India's decision to transform the statutory Commission into a Public Limited Company, through Parliament Act for Oil and Natural Gas Commission (Transfer of Undertaking and Repeal Act, 1993). The authorized and paid up capital of ONGC as on 31.3.2015 is ₹ 15000 Crore and ₹ 4277.76 Crore respectively; share of Government of India being 68.94%. ONGC Videsh Limited is a wholly owned subsidiary, of which the entire equity of ₹ 10,000 Crore as on 31.3.2015 is held by ONGC. Mangalore Refineries and Petrochemicals Limited (MRPL) is another partially owned subsidiary where ONGC has 71.62% equity stake with management control.

6.1.2 Physical Performance (ONGC Standalone):

Activity	Unit	2014-15 Actual	2015-16 RE	2015-16 (Actuals upto Dec)	2016-17 BE
3P-Reserves Accretion*	MMTOE	70.98	74.50	-	86.00
2P-Reserves Accretion*	MMTOE	61.06	62.40	-	62.00
Crude Oil Production (including condensate)	MMT	22.264	22.681	16.884	22.761
Natural Gas Production	MMSCM	22023	21840	16272	24617
Natural Gas Sales	MMSCM	16808	16941	12403	19276
Value Added Products#	KT	2723	2790	2198	3164

* Determined only once a year i.e. as on 1st April.

Value Added Products includes LPG, C2-C3, SKO, ATF, Naphtha, HSD etc.

6.1.3. Financial Performance:

(₹ in Crore)

Parameter	2014-15 (Actual)	2015-16 (BE)	2015-16 (RE)	2015-16 (Actuals upto Dec.)	2016-17 BE
Plan Expenditure/ Outlay	29,997.46	36,249.37	31,467.45	21,068.72	29307.20
Total Income Incl. Interest Income)	65,523.70	78,905.13	65,401.68	49,063.96	62,687.29
Profit before Tax	26,555.24	35,570.69	24,084.00	17,043.24	20,851.92
Profit after Tax	17,732.96	23,480.21	15,987.80	11,587.54	13,635.49

6.1.4. Plan Outlay and Expenditure:

(Rs. in Crore)

Parameter	2014-15 (Actual)	BE	2015-16 RE	Actuals upto Dec.	2016-17 BE
	29,997.46	36,249.37	31,467.45	21,388.52	29307.20

a. Plan Outlay - Historical:

(Rs. in Crore)

	2012-13	2013-14	2014-15		2015-16		2016-17
	(Actual)	(Actual)	(Actual)	BE	RE	Actual Upto Dec.	(BE)
Plan Expenditure / Outlay	29,507.91	32,469.54	29,997.46	36,249.37	31,467.45	21,388.52	29307.20

b. Statement showing Budget Estimates for 2016-17 and financing pattern thereof :

The Plan expenditure of Rs. 29,307.20 Crores (BE) for 2016-17 is fully financed through Internal Resources generated from operations. The pattern of Internal Resources generation for the year 2015-16 (BE) is as given in the table below:-

(Rs. In Crores)

BE 2016-17	Internal Resources	Public Deposits	OIDB Assistance	Commercial borrowing/ Supplier Credit/Multilateral assistance	Debenture/ Rights issue/ Bonds	Others	Loan	Equity	Total sources assistance of financing Plan outlay
29,307.20	29,307.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29,307.20

6.1.5. DETAILS OF WELFARE SCHEMES BENEFITING SC/ST/PWD

6.1.5.1 ANNUAL COMPONENT PLAN FOR WELFARE OF SC/ST COMMUNITIES:

Annual Component Plan for the welfare of SC/ST communities is formulated each year in pursuance of the communication of Govt. of India No.25012/13/82-SCT dated 18.03.1985 from Director (Finance), Ministry of Petroleum & Natural Gas, New Delhi. Under Annual Component Plan for SC/ST, every year contribution to the tune of Rs. 20.00 Crores is made. Out of this, Rs. 6.00 Crores is distributed amongst all the Work Centres of ONGC for taking up activities for welfare of SC/ST Communities in and around the areas of our operations. In addition, Rs. 14.00 Crores is kept at Headquarters and is earmarked for special projects/proposals/schemes for the welfare of areas/persons belonging to SC/ST communities. The amount under Component Plan is utilized for taking up various welfare measures for the welfare and upliftment of the needy people of SC/ST Communities. This fund is especially meant for providing help and support broadly in the following areas:-

Education and Training: ONGC always provides opportunities in education and training to poor students of SC/ST Communities. It also provides Computer learning programmes in software as well as hardware. These trainings are helpful in getting employment to the students belonging to SC/ST Communities. ONGC has also imparted training which enables persons in getting self-employments like driving of light and heavy vehicle. In addition to the above ONGC also provides study material and stationery to various school going children, uniforms to poor and needy school children etc.

Community Development: Under Community Development ONGC provides funds for construction of civic amenities such as sanitation and drinking water facility etc.

Medical and Health Care: Under Medical and Health care ONGC arranges free multi-speciality medical camps with constant follow up at regular intervals at remote places where people have no access to cities for medical treatment.

6.1.5.2. ONGC's Scholarship Schemes for SC/ST:

With a view to encourage SC/ST students to acquire higher professional education, scholarships scheme was introduced during 1986-87. Initially, 25 scholarships were sanctioned and the number of scholarships steadily increased year by year and at present it is 500 for pursuing higher professional courses at different Institutes and Universities across the country in Graduate Engineering, MBBS, PG courses of MBA and Geo-Sciences. Out of these 50% of scholarships have been earmarked for the girl students. Funds for the scholarships to meritorious SC/ST students have also been enhanced by 14 folds i.e. from Rs. 0.5 Crores earlier to Rs.7.6 Crores per annum w.e.f. 2013 for 1584 students on its full coverage. In order to give a wide coverage to the students across the country, the entire country has been divided into 5 Zones with 100 scholarships in each zone. The amount of scholarship is Rs. 4,000 per month for each student. The details of which are as under:

Course	Total No. of	No. of SC student		No. of SC student	
		Boys	Girls	Boys	Girls
Engineering	247	83	82	41	41
Geosciences	135	45	45	22	23
MBA	73	24	24	12	13
MBBS	45	15	15	08	07
Total	**500**	**167**	**166**	**83**	**84**

The allocation of funds for SC (SCP) & Tribal Sub Plan (TSP) as per allocation made in previous years, the allocation for the year 2015-16 is given as under:

Sl. No.	Work Centres	Scheduled Caste Plan (SCP) (Rs. in lakh)	Tribal Sub Plan (TSP) (Rs. in lakh)	Total (Rs. in lakh)
1	Assam Asset, Nazira	25.44	34.84	60.28
2	Forward Base, Silchar	11.36	12.83	24.19
3	A&AA Basin, Jorhat	10.52	15.36	25.88
4	Regional Office, Mumbai	23.59	16.16	39.75
5	Uran Plant	10.86	8.27	19.13
6	Hazira Plant	11.92	10.58	22.50
7	IPSHEM, Goa	4.44	7.94	12.38
8	MBA Basin Kolkata	23.48	9.80	33.28

9	CBM Bokaro	6.00	12.75	18.75
10	Tripura Asset	9.00	17.16	26.16
11	Regional Office Chennai	24.94	4.97	29.91
12	Rajahmundry Asset	24.18	8.44	32.62
13	EOA, Kakinada	13.90	4.85	18.75
14	Karaikal Asset	22.28	7.25	29.53
15	Western Onshore Basin Baroda	10.14	10.48	20.62
16	Ahmedabad Asset	17.10	17.78	34.88
17	Ankleshwar Asset	12.77	13.10	25.87
18	Mehsana Asset	12.77	13.10	25.87
19	Cambay Sub Asset	6.86	8.89	15.75
20	Forward Base, Jodhpur	8.27	7.48	15.75
21.	Hqrs. Dehradun	46.80	11.98	58.78
22.	Delhi	6.24	3.13	9.37
	TOTAL	**342.86**	**257.14**	**600.00**

The actual expenditure incurred by ONGC, on the Annual Component Plan for the welfare of SC/ST communities for the last three years is given under:

Year	Amount Spent on CSR (Rs. In Lakhs)
2012-13	522.61
2013-14	474.10
2014-15	432.80
2015-16	*

*The total allocation of 6.00 crores has been allocated to the 22 work centres of ONGC However utilization of funds for the year 2015-16 will be received on completion of financial year.

The scholarship will be distributed equally among the Zones i.e. 100 no. of Scholarships for each zone. (100 x 5 Zones – 500 Nos.). The details of defined Zones are as under:

Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Delhi, Punjab, UP, Haryana, HP, Chandigarh, Rajasthan & Uttarakhand	Bihar, Jharkhand, Orissa, West Bengal & Chattisgarh	Maharashtra, Gujarat, M.P., Goa, Dadar & Nagar Haveli, Daman & Diu	Tamil Nadu, Karnataka, Kerala, Andhra Pradesh, Telangana, Pondicherry & Lakshadweep	Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Tripura, Sikkim, J&K, Andaman & Nicobar Island

6.1.5.3. WELFARE MEASURES UNDERTAKEN BY ONGC FOR PwD EMPLOYEES:

- Special care is taken by ONGC Management for PwD employees.
- Recruitments and Postings are made in non-hazardous areas.
- In all new constructions, ramps, separate toilets for PwD's are constructed. The same are also considered in case where renovations of buildings are being undertaken.
- Mechanized wheel chairs and hearing aids are provided to the employees.
- 10 years age relaxation in the process of recruitment.
- Concession in examination fee.
- Reimbursement of TA/DA for written examination and at the time of interview.
- Relaxed cut-off marks in written examination as compared to General candidates.

6.1.5.4. THE VARIOUS SCHEMES BENEFITTING WOMEN EMPLOYEES IN ONGC ARE AS UNDER:

- Decent working conditions for women are ensured in the Company. No discrimination is made based on gender, on matters pertaining to opportunities, career progression etc and they are treated at par with their male counterparts.

- Induction training to the lady employee is imparted along with male graduate trainees/employees. However, separate rooms are allotted to lady employees/gts in the hostel. Also, separate training programmes for women employees are conducted on need basis.
- Women's Development Forum has been set up to look into issues on women. Moreover, women employees are involved in decision making as the Company has decent representation of women at senior management levels like ED/GGM/GM.
- Women's Day is observed / celebrated every year at the various work centers of the Company.
- Maternity leave up to 180 days and Child care leave for a maximum of two years to take care of up to two eldest surviving children, for women employees has been introduced with the approval of the Board, vide office order no. 17(12)/09-LR/CP, dated, 22nd September, 2009.
- Sexual harassment of female employees is treated as Misconduct. Rule 4 (3) of CDA Rules, 1994 of the Company stipulates prohibition of sexual harassment of women at work place, with detailed explanation of the term, "Sexual Harassment".
- Job Rotation and Transfer Policy of the Company states, "To the extent possible, husband and wife employees of the Corporation would be posted at the same Asset/Station, so as to enable them to lead a normal family life. There would, however, be no bar on separate posting in case of work exigencies".

TOTAL AMOUNT ALLOCATED AND UTILIZED UNDER ANNUAL COMPONENT FOR WELFARE OF SC/ST COMMUNITIES FOR THE YEAR 2015-16

S.No.	Work Centre	Allocated Amount in Rs. Lakhs		Utilized Amount in R. Lakhs	
		SC	ST	SC	ST
1	Assam Asset, Nazira	25.44	34.84	25.44	34.78
2.	Forward Base, Silchar	11.36	12.83	11.32	12.45
3.	A&AA Basin, Jorhat	10.52	15.36	10.52	15.36
4.	Regional Office, Mumbai	23.59	16.16	-	-
5.	Uran Plant	10.86	8.27	10.86	8.27
6.	Hazira Plant	11.92	10.58	11.92	10.58
7.	IPSHEM, Goa	4.44	7.94	-	-
8.	MBA Basin Kolkata	23.48	9.80	23.48	9.80

9.	CBM Bokaro	6.00	12.75	6.00	12.75
10.	Tripura Asset	9.00	17.16	9.00	17.16
11.	Regional Office Chennai	24.94	4.97	24.94	4.96
12.	Rajahmundry Asset	24.18	8.44	-	-
13.	EOA, Kakinada	13.90	4.85	-	-
14.	Karaikal Asset	22.28	7.25	-	-
15.	Western Onshore Basin Baroda	10.14	10.48	10.14	10.47
16.	Ahmedabad Asset	17.10	17.78	17.10	17.77
17.	Ankleshwar Asset	12.77	13.10	12.77	13.10
18.	Mehsana Asset	12.77	13.10	12.67	13.10
19.	Cambay Asset	6.86	8.89	6.86	8.89
20.	Forward Base, Jodhpur	8.27	7.48	-	-
21.	Hqrs. Dehradun.	46.80	11.98	23.33	18.00
22.	Delhi	6.24	3.13	-	-
	TOTAL	**342.86**	**257.14**	**216.35**	**207.44**
	GRAND TOTAL	**600**		**423.79**	

6.1.5.6 CSR Activities of ONGC

ONGC has developed its Corporate Social Responsibility (CSR) and Sustainability Policy in consonance with the CSR Policy framework enshrined in the section-135 of Companies Act, 2013 (Act) and in accordance with the Companies (CSR Policy) Rules, 2014 (Rules) notified by Ministry of Corporate Affairs, Government of India and Guidelines on Corporate Social Responsibility and Sustainability for Central Public Sector Enterprises issued by Department of Public Enterprises, Government of India (DPE Guidelines, 2014) which are effective from 1st April 2014.

The policy applies to all CSR Projects / Programmes undertaken by ONGC listed in Schedule-VII of the Act, within the geographical limits of India alone, preferably towards the benefit of marginalized, disadvantaged, poor and deprived sections of the community and the environment.

6.1.5.7. Planning and Implementation:-

ONGC gives preference to well defined operating principles during the planning stage for the identification and implementation of its CSR Projects / Programmes in order to ensure optimal utilization of the CSR budget.

ONGC endeavors to understand the stakeholder expectations through a structured engagement process and communication strategy and leverages this understanding for betterment of all the stakeholders.

Implementation of the CSR projects or programs are implemented through in-house CSR team. ONGC also implements its CSR agenda through any trust, society or company established under section-8 of Companies Act, 2013 (erstwhile section-25 of Companies Act, 1956) having a track record of three years in undertaking similar programs or projects.

6.1.5.8. Budget Allocation:

The Board of ONGC will ensure that in each financial Year (FY), at least two percent of the average net profit (calculated as per Section 198 of the Act) accrued during the three immediately preceding Financial Years, is spent on CSR activities / projects / programs.

In the event, that amount indicated as CSR Budget is not spent in its entirety in that Financial Year, the reasons thereof will be outlined as per section 134 (3) (o) of the Act to be shared with all the stakeholders through the Annual Report and the unspent amount shall be carried forward to next year.

The budget allocation for individual CSR Projects / Programmes / activities shall be made by the Committee on CSR and SD in the beginning of every financial year after considering the CSR budget for that year. However, for budget planning 20% of CSR budget is allocated in following manner:

1. Promoting health care including preventive health care and sanitation and making available safe drinking water.

2. Promoting education including special education and employment enhancing vocation skills especially among children, women, elderly, and the differently abled and livelihood enhancement projects

3. Ensuring environmental sustainability, ecological balance, protections of flora and fauna, animal welfare, agro forestry, conservation of natural resources and maintaining quality of soil, air and water

4. Rural development projects

5. Other activities are covered as under:

a. Setting up homes and hostels for women and orphans; setting up old age homes, day care centres and other such facilities for senior citizens

b. Protection of national heritage, art and culture including restoration of buildings and sites of historical importance and works of art; setting up public libraries; promotion and development of traditional arts and handicrafts

c. Training to promote rural sports, regionally recognized sports, Paralympics sports and Olympic sports

d. Other areas mentioned in Schedule - VII

6.1.5.9 Monitoring and Evaluation:-

The company has a mechanism for undertaking audits of social benefits through Project Monitoring Committee (PMC) which is set up on a project-to-project basis comprising of representatives of ONGC (from the corporate office, local work center or both as per project requirement) and the implementing partner agency.

The provision for monitoring the project is built into the project in the project development phase. The PMC is formed to monitor the project on the parameters of – (i) timeliness; (ii) meeting project goals and objectives and (iii) effectiveness of fund utilization.

The roles and responsibilities of the PMC are clearly etched out in the legally binding Memorandum of Understanding signed between ONGC and the implementing partner.

The PMC monitors the progress of the project through field visits, objective assessment of the periodic reports generated by the project agencies through on-site evaluation and audit reports. Mid- course corrections or rectifications are done in case the implementation of the project is not meeting the due objectives. Audits of social benefits are mostly monitored by the internal committees.

Impact assessment for the flagship CSR projects undertaken every year is carried out by the external agency/third party. Based on its reports and recommendations, the organization takes requisite corrective measures in line with the intended objective of the CSR project.

Some of the major ongoing CSR projects in 2015-16 by ONGC are as follows:

i. Varishthajan Swastha Sewa Abhiyaan: Provides basic medical facilities to elderly through medical consultancy, medicine distribution, basic diagnostic test, health camp and palliative care through 20 Mobile Medical Units (MMUs)

ii. Harit Moksha - Installation of Green Cremation System to reduce wood consumption by 50% at 30 locations of India

iii. Free computer education through Bharatiya Vidya Bhawan for Computer education, training modules for English speaking, Personality development and advance computer training to ensure employability in five location of ONGC's work centre

iv. ONGC Community Hospital at Lakhimpur-Kheri, UP

v. Community School with full Capex contribution by ONGC and Opex borne by the Operating Partner, School to enroll students from BPL, Socially and Educationally Backward Class families for nominal costs.

vi. Financial assistance to King George Hospital, Vizag for construction of new 2+9 storied building and medical infrastructure/equipments.

vii. Financial assistance to society for Bharat Ratna Sir M Visvesvaraya National Training Facility for Skills for All (BMV NTFSA) for setting up Mokshagundam Visvesvaraya Centre for training Master Trainers in Skill Development (MVCTMTSD)

viii. Financial assistance towards medical and capital equipment and consumables for District Government Hospital in Chikkaballapur District, Karnataka.

ix. Financial support to Government Hospital, Ziro, Arunachal Pradesh for procurement of one X-Ray Machine, one Ultra Sound Machine with 4 Years of AMC and one Ambulance

x. Support to Government Lady Goschen Hospital for Construction of new ONGC-MRPL Wing for 162 year old Govt. Hospital at Mangalore

xi. Support to Ramakrishna Mission for Repair and Renovation of Rama Krishna Mission Hospital at Mumbai

xii. Support to Charutar Arogya Mandal for medical equipments for setting up of Bone Marrow Transplant Centre in HM Patel Centre for Medical Care and Education in Karamsad Gujarat

xiii. 'Yoga Nilayam': Establishment of a yoga training center of international standards with equipment, infrastructure and residential accommodation for both Men and Women with facilities for naturopathy treatment at Abhoypur, North Guwahati, Assam by Seva Bharti Purbanchal.

xiv. Setting up of 5 nos. of Water ATMs in the city of Varanasi with capacity of 500 litres/hour for each ATM by Eureka Forbes Institute of Environment

xv. Adopting 420 schools for a period of one year to provide free basic informal education at 17 locations by Bharat Lok Shiksha Parishad

xvi. Support for Samskrit Promotion Foundation for promotion of Samskrit language and research on Samskrit and Science

xvii. Centre for "ONGC Super 30" through a residential Coaching Programme at Sivasagar for IIT aspirants at Sivasagar by Centre for Social Responsibility and Leadership.

xviii. Construction of Skill Development Centre at Haflong, Assam by Keshav Smarak Nyas

xix. Renovation of school building in which 650 girl students out of which nearly 200 from Scheduled Caste are studying in Delhi.

xx. Conservation of ancient step well at Sawai Madhavpur by INTACH

xxi. Contribution of 20% CSR budget to Rajiv Gandhi Gramin LPG Vitrak Yojana

Developing the Karbongpara village as self-sustained model village of Tripura by Tripura Engineering Society.

ONGC- CSR Expenditure 2012-15

Rupees in Crores

Focus area-wise	2012-13	2013-14	2014-15	2015-16 (Upto Dec.)
Education including Vocational courses	37.81	61.59	46.08	146.23
Entrepreneurship (self-help and livelihood generation) schemes	1.08	1.78	1.38	0.15
Environment protection, ecological conservation, promotion	4.74	164.49	287.42	118.54
Grant of Financial aid / assistance	2.92	16.74	20.40	15.47
Water management including ground water recharge	1.09	2.73	1.23	2.34
Health Care	9.83	28.34	35.77	8.00
Infrastructure support near our operational areas	177.16	15.98	93.87	95.07
Initiatives for physically and mentally challenged	3.04	27.99	3.37	0.68
Promoting sports/sports persons; supporting agencies promoting sports/sports persons	2.91	1.30	1.22	0.35
Promotion of artisans, craftsman, musicians, artists etc. for preservation of heritage, art and culture	5.13	4.12	2.09	1.64
Protection of heritage sites, UNESCO heritage monuments	0	0.05	1.57	0.32
Society of Petroleum Geophysists	0.12	0.00	0	0.02
Sponsorship of media / cultural / sports	4.14	1.88	0	0.21
Sponsorship of seminars, conferences, workshops etc	11.42	11.38	0	0.54
Annual Component Plan- SC/ST Welfare	*	1.91	0	2.33

*** Amount spent under Annual Component Plan for SC/ST activities was not accounted for under CSR.**

Note: The above expenditure is as per booked in SAP

6.1.5.10 ONGC's CSR projects in North-Eastern States:

Some CSR projects are undertaken by ONGC exclusively for North-eastern states. Details of some CSR projects for NE region are as under:

1. **Construction of Indoor Sports Complex-Dashrath Stadium at Agartala:** The project aims to create an Indoor sports complex in association with DDO Directorate of Youth Affairs. Creating facility for encouraging sports. Rs. 24.32 Crores. Approved by Board in 2013; implemented by DDO DIRECTORATE OF YOUTH AFFAIRS; shall benefit Local population. Project under implementation.

2. **Financial assistance for setting up of IIIT, Agartala:** The project is for financial support for setting up of an Ïndian Institute of Information Technology (IIIT) at Agartala. Rs. 3 Crores approved by Board in 201; being implemented by IIIT; shall benefit Students. Project is under implementation.

3. **MULTI SPECIALITY HOSPITAL:** Setting up of Multi-Specialty Hospital at Sivasagar, Assam. Involves constructing 100 beds multispecialty hospital for the people living in Upper Assam area. Rs. 100 Crores approved by Board in 2010; shall benefit local population; EOI published; land acquired; project under implementation.

4. **Financial assistance for establishing catherterization laboratory and facilities for open Heart Surgery in Assam Medical College, Dibrugarh:** Project aims to establish Catheterization lab and open Heart surgery facility in Assam Medical College by importing latest equipment to help the Heart patients from Upper Assam and Arunachal Pradesh. This will also help in medical education in the same field. Rs. 7.0 Crore approved by Board in FY 2013. Being implemented by Assam medical College shall benefit Medical Students, heart patients in entire North East state; Project is under implementation.

5. **Gandhi Institute of Computer Education and information technology, Nazira centre:** This program aims to impart employment related skills including computer training. 1721 students trained so far. The total project for seven centers across India is Rs. 10 Crore out of which 2 centers are located in Assam i.e Nazira and Lawka. The total expenditure incurred towards these centers is Rs 1.76 Cr. The project is being implemented by Bharati Vidya Bhavan and has so far benefited 3381.

6. **Financial assistance for setting up ONGC Super-30 programme centre at Sivasagar (Assam):** Project aims to provide free residential 11 months coaching/ training to 30 students from underprivileged section of Sivasagar and Jorhat District to help them to crack IIT/NIT/ NIITs and other premier engineering institutions. Rs. 1.20 Crore approved for conducting the program 2014-15 and 15-16. Being implemented by Centre for social Responsibility and leadership; shall benefit. 57 Under privileged/ BPL meritorious students of various districts of Assam; programme under progress.

7. **Employment Generation project through integrated dairy development through Sundarpukhari Milk Co-operative Socieity, Nazira :** Project has helped in establishing Milk processing plant in Sivasagar District thus helped in generation of employment of Youth who are engaged in milking, processing and distributing the milk. Beneficiaries are local unemployed Youths of Sivasagar District. The project has benefited 120 to 130 youths/Residents of Nazira Town. Total financial implication of the project was Rs. 29.20 lacs.

8. **'AMULYA DHAROHAR' Preservation of Heritage structures of Ahom Dynasty in association with ASI in Sivasagar, Assam:** Project formally launched on 10.03.2012. Project meant for preservation of four heritage structures in Sivasagar area i.e 04 Ahom Monuments i.e Ranghar Pavilion, Ahom Raja's Palace, Talatalghar & Maidams at Charaideo in Sivasagar District. It is meant for development of tourism in Assam state. Rs. 2.38 Crores approved by Board in 2010. Ranghar Pavilion, Ahom Raja's Palace, Talatalghar & Maidams at Charaideo in Sivasagar District. Being implemented by ASI& NC; shall benefit. Local population; First phase under execution.

9. **Up-gradation of Sports Infrastructure in Nurul Amin Stadium Nowgong:** Project aims to provide financial assistance for upgrading the facilities in stadium for facilitating sportmen of Assam state. The project was approved in 443rd EC meeting on 30th January 2014 for FA of 35.00 lacs. Being implemented by Nowgong Sports Association; shall benefit People of Nowgong; project under progress.

10. **ONGC-Eastern Swamp Deer Conservation Project in Kaziranga National Park-Assam:** Financial assistance to Wildlife Trust of India towards phase I and II of "The Eastern Swamp Deer Conservation Project" under CSR Intervention. The project shall benefit State of Assam and the cause of wildlife in general. Translocation of 19 Swamp Deers completed on December 2014. Monitoring work in progress. The total project cost for Phase I and II is Rs 185.5 Lakhs. The project is to conclude in 2016.

11. Financial assistance towards providing Ultra sound machine, ambulance and X-Ray machine to District Government Hospital, Ziro, Arunachal Pradesh through District Medical office, Ziro. The total financial implication of the project is Rs 65,45, 213/- .Project is under implementation.

12. Providing financial assistance to Bharat Lok Shiksha Parishad for carrying out Ekal Vidyalaya Abhiyan on PAN India basis (in 10 states) also covering districts of Jorhat, Nazira, Silchar, Sivasagar, Agartala in North East with a total project cost of Rs 84,00,000 .Project is under implementation.

13. Financial assistance for construction/ extension of Girls Hostel at Haflong, Dima-Hasao Haflong, Assam through Uttar Purbanchal Janjati Sewa Samity with financial implication of Rs 40,00,000. The project is under implementation.

14. Financial assistance for setting up of Documentation Centre for wild life environment in North-East Region through North East Network by providing training in videography to 20 youth of North Eastern States at Tezpur, Assam. ONGC is supporting the project for Rs 1747000. Project is under implementation.

15. Construction of Yoganilayam, Abohayapur, North Guwahati through Seva Bharti Purbanchalwith financial implication of Rs 25900000/-. The center will be a hub for imparting Yoga training for all the North Eastern states. The project is under implementation.

16. Construction of Vocational Training Centre at Haflong through Keshav Smarak Nyas, Haflong with financial support of Rs 8500000/-. Project under implementation.

17. Construction of School Building at Shankar Dev Vidhya Niketan Majhuli Jorhat through Purbattar Janajatii sikhsha samit with total project cost of Rs 86,00,000/. Project is under implementation.

18. Water Hyacinth Skill Development project at Sivasagar for training 50 villagers of two villages in the craft of Water Hyacinth through Northj East Financial Developmet Corporation Ltd with a financial implication of Rs 2350000. The project is under implementation.

19. Development of Model Village at Korbongpara, Agartala. The project aims at reviving the Korbong Community which is on its verge of extension by carrying out intervention in skill development, health, education and infrastructure through Tribal Engineers Society with a cost of Rs 57, 50,000.

20. Financial assistance for setting up of Rajiv Gandhi institute of Petroleum technology (RGIPT) at Sivasagar with a total contribution of Rs 2.38 Cr from ONGC towards setting up of the institute out of which Rs 104.06 Cr has already been released In 3 installment.

21. Financial Assistance for XII SAG Games held at Guwahati from 5th to 15th Feb 2016. The total contribution from ONGC was Rs 2.0 Cr. The games have been successfully completed.

22. Financial Assistance for construction of Chau-Lung Syukapha Indoor stadium at Sivasagar with total financial implication of Rs 1.196 Cr. The stadium has been completed and is fully functional.

23. Swachh Vidyalaya Abhiyan: The details of toilet constructed by ONGC under Swach Vidyala Abhiyan in Assam, Meghlaya and Tripura

Assam = 1133 toilets for boys & girls, new & Dysfunctional toilets with total cost of Rs. 15.83 Cr.

Meghalaya = 1796 toilets for boys & girls, Dysfunctional toilets with total cost of Rs. 16.52 Cr.

Tripura = 261 toilets for boys & girls, new & Dysfunctional toilets with total cost of Rs. 3.47 Cr.

24. Varishtajan Swasthya Seva Abhiyan: (Since 2010)

Through this initiative, health care support to elderly through Mobile Medicare Units was provided across 18 location of India. The Details of the beneficiaries in North Eastern states are as under:

Locations covered in NE State	Beneficiaries covered (Nos.)	Amount Rs. in Lakh
Agartala	39,538	65.05
Geleky	31,292	52.55
Jorhat	36,207	55.80
Lakwa	52,293	60.29
Rudrasagar	29,608	51.26
Silchar	39,142	60.65
Total	**228,080**	**345.60**

CSR Expenditure in North-East in Last Three years

(Rs. in Crores)

State	2012-13	2013-14	2014-15	2015-16 (Upto Dec.)
Arunachal Pradesh	1.24	0.14	0.07	0.48
Assam	11.54	17.28	22.12	10.83
Manipur	0.1	0.10	0.05	00
Megalaya	0	0.01	00	10.75
Mizoram	0	0.88	00	00
Sikkim	0.05	0.07	0.10	00

OIL AND NATURAL GAS CORPORATION LIMITED

FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Details	2014-15 Actual	2014-15 BE	2015-16 RE	2015-16 Actual upto Dec'15	2016-17 BE
1	Total Receipts	88,623.05	1,04,430.71	86,598.11	64,947.44	83,991.57
2	Cost of Sales	62,067.82	68,860.02	62,514.10	47,904.21	63,139.65
3	Cost of Sales as percentage of Total Receipts	70%	66%	72%	74%	75%
4	Total Cost of Production	61,657.04	68,860.02	62,329.82	47,861.89	63,139.65
5	Total Sale Value	82,348.79	99,577.01	82,231.58	61,800.35	79,961.36
6	Cost of Production as percentage of Sale value	75%	69%	76%	77%	79%
7	Total Value added	37,496.85	45,713.87	33,075.08	22,193.36	30,314.14
8	Value added per employee (in ' Crore)	1.13	1.31	0.96	0.65	0.88
9	Ratio of Net Profit After Tax to Net Worth	12%	14%	10%	8%	9%
10	Ratio of Gross Margin to Capital employed	43%	46%	37%	28%	34%
11	Contribution to Central Govt. Exchequer					
	(a) Cess/Excise Duty/MPT	10,696.20	11,267.29	10,426.51	7,994.26	10,604.38
	(b) Royalty	3,586.23	5,156.84	4,957.17	3,669.68	4,671.72
	(c) Customs Duty	7.70	-	-	7.21	-
	(d) Corporate tax	7,615.20	12,090.48	8,096.21	5,885.17	7,216.43
	(e) Tax on Foreign Companies A/c	2.50	-	-	1.50	-
	(f) Dividend (Accrual)	5,602.85	5,602.87	3,980.99	2,654.00	3,391.21
	(g) Tax on Dividend	1,625.63	1,381.31	1,175.65	783.02	1,001.48
	Sub-total (11)	29,136.30	35,498.78	28,636.53	20,994.83	26,885.22
12	Contribution to State Government Exchequer					
	(a) Sales Tax	4,376.50	4,870.77	4,370.27	3,473.17	4,249.62
	(b) Royalty	8,019.45	8,008.78	4,908.63	3,539.78	5,211.47

OIL AND NATURAL GAS CORPORATION LIMITED

FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Details	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 Actual upto Dec'15	2016-17 BE
	(c) Octroi/BPT Duties	575.10	545.81	621.78	446.92	548.11
	Sub-Total (12)	12,971.05	13,425.36	9,900.68	7,459.87	10,009.19
12A	Total Contribution to Central/State Exchequer (11+12)	42,107.36	48,924.14	38,537.20	28,454.70	36,894.42
13	Number of Employees on roll					
	(a) Officers					
	(b) Workmen (Technical)					
	(c) Workmen (Non-Technical)					
	Sub-total (13)	33,091	34,832	34,337	34,090	34,564
14	Total Manpower Cost (Charget to P &L cost)	1,695.35	1,836.37	1,947.24	1,400.31	1,849.88
15	Retained Profit	7,979.61	13,971.19	9,037.16	6,954.56	7,714.58
16	Internal Resources Generated	21,869.93	35,802.91	35,783.27	30,471.34	29,508.87
17	Net Internal Resources	29,997.46	36,249.37	31,467.45	21,068.73	29,307.20
18	Approved Plan outlay restricted to	29,997.46	36,249.37	31,467.45	21,068.72	29,307.20
19	Foreign exchange outgo					
	(a) Services	-	-	-		-
	(b) Interest and Repayment of Foreign Loans & others	-	-	-		-
	Sub-total (19)	-	-	-	-	-
20	Profit Before Tax (after Interest & Dep.)	26,555.24	35,570.69	24,084.00	17,043.23	20,851.92
21	Provision for Tax	8,822.28	12,090.48	8,096.21	5,455.69	7,216.43
22	Profit after Tax	17,732.95	23,480.21	15,987.80	11,587.54	13,635.49

OIL AND NATURAL GAS CORPORATION LIMITED

FINANCIAL EFFICIENCY PARAMETERS

PART-I RETAINED PROFIT / SURPLUS

(Rs in Crore)

Sl. No.	Details	2014-15 Actual	2014-15 BE	2015-16 RE	2015-16 Actual upto Dec'15	2016-17 BE
1	**RECEIPTS**					
	(i) Sales	82,348.79	99,577.01	82,231.58	61,800.35	79,961.36
	(ii) Other Income	3,217.82	2,107.97	1,698.28	1,279.36	1,553.58
	(iii) Interest Receipts	3,056.45	2,745.73	2,668.25	1,867.73	2,476.64
	Sub Total (1)	88,623.05	1,04,430.71	86,598.11	64,947.44	83,991.57
2	**EXPENDITURE**					
	(i) Production expenditure	16,576.91	20,539.15	20,093.87	14,745.78	19,581.35
	(ii) Statutory Levies	23,099.35	25,525.58	21,196.42	15,883.48	21,304.28
	(iii) Excahnge loss	24.09	-	181.19	140.50	-
	Sub Total (2)	39,700.35	46,064.73	41,471.49	30,769.75	40,885.63
3	Recouped Cost	21,980.78	22,795.29	21,039.53	17,232.64	22,254.02
4	INTEREST PAYMENT					
	(i) Central Govt.	-	-	-	-	-
	(ii) Others	2.79	-	3.09	4.07	-
	Sub Total (4)	2.79	-	3.09	4.07	-
5	Bonus to Employees(including honorarium & gratuity)	-	-	-		-
6	Prior Period Adjustment	383.91	-	-	-102.25	-
7	Profit Before Tax	26,555.24	35,570.69	24,084.00	17,043.23	20,851.92
8	Provision for Corporate Tax	8,822.28	12,090.48	8,096.21	5,455.69	7,216.43
9	Profit After Tax	17,732.95	23,480.21	15,987.80	11,587.54	13,635.49
10	Dividend payments to Central Govt. & Others	8,127.72	8,127.72	5,774.98	3,849.97	4,919.43
11	Tax on Dividend	1,625.63	1,381.31	1,175.65	783.02	1,001.48
12	Retained Surplus carried over to Part-II	7,979.61	13,971.19	9,037.16	6,954.56	7,714.58

OIL AND NATURAL GAS CORPORATION LIMITED

FINANCIAL EFFICIENCY PARAMETERS

PART-II GENERATED INTERNAL AND EXTRA BUDGETARY RESOURCES FOR PLAN SCHEMES

(Rs in Crore)

Sl. No.	Details	2014-15 Actual	2014-15 BE	2015-16 RE	2015-16 Actual upto Dec'15	2016-17 BE
1	RETAINED PROFIT/SURPLUS FROM PART-1	7,979.61	13,971.19	9,037.16	6,954.56	7,714.58
2	ADD: Depreciation & Add backs	21,980.78	22,795.29	21,039.53	17,232.64	22,254.02
3	DEDUCT					
	(i) Loan Repay Govt.India	-	-	-	-	-
	(ii) Loan Repay Others	-	-	-	-	-
	(a) Total Loan Repayments	-	-	-	-	-
	(b) Loan to subsidiaries	1,516.17	-	-686.00	-514.29	-685.72
	(c) Tax Provision	8,822.28	12,090.48	8,096.21	5,455.70	7,216.43
	(d)Tax Paid	7,608.08	12,090.48	8,096.21	5,203.00	7,216.43
	(e)GOI Spl Survey Project	-	-	60.56	-	1,077.95
	(f) Change in Working Capital and Other adjustments	7,812.57	963.57	-5,081.14	-5,376.66	67.50
	Subtotal (3)	8,114.54	963.57	(5,706.58)	(6,143.65)	459.73
4	ADD: Loan Revaluation	24.09	-	-	140.50	-
5	Total Internal Resources (other than from GOI)	21,869.93	35,802.91	35,783.27	30,471.34	29,508.87
6	Investments (net)/ Carry forward surplus available from pervious year/Maturity of short term investments	-8,127.53	-446.46	4,315.83	9,402.61	201.67
7	Adjusted Internal Resources available for plan	29,997.46	36,249.37	31,467.45	21,068.73	29,307.20
8	EXTRA-BUDGETARY RESOURCES					
	(a) Other Loans					
	(b) Indian Loans (OIDB)					
	(c) Project Tied Credit (WB,ADB)					
	(d) Line of Credit					
	(e) Cash credit (SBI)					
	Subtotal (10)	-	-	-	-	-
9	Total Internal & External Budgetary Resources (9+10)	29,997.46	36,249.37	31,467.45	21,068.73	29,307.20
10	Plan Outlay	29,997.46	36,249.37	31,467.45	21,068.72	29,307.20
11	Surplus / Deficit for the Year	-	-	-	-	-
11	Surplus / Deficit for the Year	-	-	-	0.01	-

ONGC VIDESH LTD. (OVL)

6.2.1 Introduction

ONGC Videsh Ltd. (ONGC Videsh), a wholly owned subsidiary of Oil and Natural Gas Corporation Ltd. (ONGC) was rechristened on 15th June, 1989 from the erstwhile Hydrocarbons India Pvt. Ltd. which was incorporated on 5th March, 1965. The authorized and paid-up share capital of ONGC Videsh as on December 31, 2015 stood at ' 10,000 crore. The primary business of the company is to prospect for oil and gas acreages abroad, which includes acquisition of oil and gas fields in foreign countries as well as exploration, production, transportation and sale of oil and gas.

ONGC Videsh was functioning at small scale with limited exploration activities in few countries like Iran, Iraq, Yemen, Sri Lanka, Tanzania etc. In 1988, Production Sharing Contract (PSC) was signed for the Block 06.1 in Vietnam.

The Government of India, in January 2000, empowered ONGC Videsh's Board of Directors to approve investments in overseas exploration, development and production projects up to Rs.200 Crore, which in February 2005 was increased to USD 75 million or Rs. 300 Crore whichever is less. Projects beyond this value require approval of Empowered Committee of Secretaries (ECS), consisting of Secretaries from various Ministries of the Government of India and thereafter approval of the Cabinet Committee on Economic Affairs (CCEA). In 2011, the Govt. upgraded ONGC Videsh Board to Mini Ratna (Category-1) status and in 2012, from Schedule 'B' to Schedule 'A' company.

In 2000, ONGC Videsh had only one asset in Vietnam and today in February 2016, ONGC Videsh has participation either directly or through its wholly owned subsidiaries/joint venture companies in 36 projects in 17 countries of which 14 projects are operated by ONGC Videsh, 7 projects are jointly operated and 15 projects are non-operated.

Currently, ONGC Videsh has oil and gas production from 13 projects in 10 countries, namely, Russia (Sakhalin-1 and Imperial Energy), Syria (Al-Furat Petroleum Co.), Vietnam (Block 06.1), Colombia (MECL), Sudan (Greater Nile Petroleum Operating Company), South Sudan (Greater Pioneer Operating Company and Sudd Petroleum Operating Company), Venezuela (San Cristobal), Brazil (BC-10), Azerbaijan (ACG) and Myanmar (Blocks A1, A3). There are 4 projects where hydrocarbons have been discovered and are at various stages of development while 17 projects are under various stages of exploration.

ONGC Videsh has the distinction of operating in the harshest environments in the world that are as diverse as in deep sea in Brazil to the extremely cold climate in Russia.

6.2.2 Summary of Oil & Gas Production (ONGC Videsh's share)

During the year 2014-15, ONGC Videsh achieved a production level of (O+OEG) over 8.874 MMTOE as compared to 8.357 MMTOE during the year 2013-14. In 2014-15 crude oil & condensate production were 5.533 MMT. In RE 2015-16, crude oil & condensate production are expected to be 5.502 MMT against BE 2015-16 of 5.152 MMT. Force majeure like conditions is prevailing in Syria and in South Sudan from 23rd December, 2013 affecting production of oil and gas. Gas production during the year 2014-15 was 3.341. In RE 2015-16, gas production is expected to be 3.100 BCM against BE 2015-16 of 3.142 BCM.

6.2.3 Summary of Plan Outlay

The consolidated turnover of ONGC Videsh during the financial year 2014-15 was ' 19,149 Crore (net of VAT), against ' 22,224 Crore (net of VAT) in 2013-14, registering a 13.84% decrease mainly because of lower oil price and exchange loss. The Profit after Tax in 2014-15 was ' 1,904 Crore, against ' 4,445 Crore for 2013-14, a 57.16% decrease. The actual plan expenditure during the year 2014-15 was ' 7,171.55 Crore against BE 2014-15 of ' 14,792 Crore i.e. 48% utilization and against RE 2014-15 of ' 10,147 Crore i.e. 71% utilization.

Against Plan Outlay in BE 2015-16 of ' 10,402 Crore, plan outlay as per RE 2015-16 is estimated at 8,488 Crore. The outlay for RE 2015-16 is 18% lower than corresponding outlay for BE 2015-16.

Plan outlay for BE 2016-17 has been estimated at ' 14,843 Crores.

DETAILS OF ONGC Videsh's ASSETS

(As on December, 2015)

PRODUCING PROJECTS				
Sr. No.	**Country**	**Project**	**Participating Companies**	**Current Status**
1	Vietnam	Block 06.1 (Offshore)	ONGC Videsh 45%, TNK 35%(Operator); PetroVietnam 20%	Producing Gas & Condensate
2	Sudan	GNPOC (On land)	ONGC Videsh 25%; CNPC 40%, Petronas 30%, Sudapet 5%. Jointly operated	Producing Oil
3	South Sudan	GPOC (On land)	ONGC Videsh 25%; CNPC 40%, Petronas 30%, Nilepet 5%. Jointly operated	Producing Oil-Currently under Shut down
4	South Sudan	SPOC (Block 5A), On land	ONGC Videsh 24.125%; Petronas 67.875%; Nilepet 8%. Jointly operated	Producing Oil-Currently under Shut down
5	Russia	Sakhalin-I (Offshore)	ONGC Videsh 20%; ENL 30%(Operator) Sodeco 30%; SMNG-S 11.5% RN Astra 8.5%	Producing Oil & Gas
6	Colombia	MECL (on land)	ONGC Videsh 25-50%; SIPC 25-50%; Ecopetrol 50%. Jointly operated	Producing Oil & Gas
7	Syria	Himalaya (4 PSCs) (on land)	SSPD(Operator) 62.5 - 66.67 %, HES BV 33.33 TO 37.5 %	Producing Oil & Gas-Currently under Force Majeure conditions

8	Venezuela	**Sancristobal, PIVSA (on land)**	ONGC Videsh 40%, PDVSA 60%. Jointly operated	Producing Oil & Gas
9	Russia	**Imperial Energy (on land)**	ONGC Videsh 100%	Producing Oil & Gas
10	Brazil	BC- 10 (offshore)	ONGC Videsh 27 %; Shell 50% (Operator) & Qatar Petroleum 23%	Producing Oil & Gas
11	Azerbaijan	Azeri, Chirag and Guneshli (Offshore)	ONGC Videsh 2.7213%, BP (Operator) 35.8%, SOCAR 11.65%, Chevron 11.3%, Inpex 10.96%, Statoil 8.56%, Exxonmobil 8%, TPAO 6.75%, ITOCHU 4.3%	Producing Oil & Gas
12	Myanmar	Block A-1 (offshore)	ONGC Videsh 17%, GAIL 8.5%, Daewoo 51%(Operator), Kogas 8.5%, MOGE 15%	Producing Gas
13	Myanmar	Block-A3 (offshore)	ONGC Videsh-17 %, Daewoo- 51% (Operator), Kogas- 8.5%, GAIL- 8.5%, MOGE-15%	Producing Gas
		DISCOVERED, UNDER DEVELOPMENT & EXPLORATORY PROJECTS		
Sr. No.	**Country**	**Project**	**Participating Companies**	**Current Status**
14	Iran	Farsi Offshore (Offshore)	ONGC Videsh 40%(Operator), IOC 40%, OIL 20%	Discovered.
15	Syria	Block 24 (on land)	ONGC Videsh- 60%, IPR-25% (Operator), TOM-15%	Discovered & under Appraisal- Currently under Force Majeure conditions
16	Venezuela	Carabobo-1 (on land)	PDVSA-71%, ONGC Videsh-11%, IOCL-3.5%, OIL-3.5%, Petronas-11%. Jointly operated	Under Development Producing Oil & Gas
17	Mozambique	Area 1, Rovuma(Offshore)	Anadarko-26.5%, ONGC Videsh-16%, OIL-4%, ENH-15%, Mitsui-20%, BPRL-10%, PTTEP-8.5%,	Under Development

EXPLORATORY PROJECTS				
Sr. No.	**Country**	**Project**	**Participating Companies**	**Current Status**
18	Libya	Block 43 Contract Area (Offshore)	ONGC Videsh 100%	Under Force Majeure
19	Iraq	Block 8 (onland)	ONGC Videsh 100%	Exploration
20	Vietnam	Block 128 (offshore)	ONGC Videsh 100%	Exploration
21	Colombia	Block RC # 8 (Offshore)	ONGC Videsh 40% – (Operator), Ecopetrol– 40% Petrobras- 20%	Exploration
22	Colombia	Block RC # 9 (Offshore)	Ecopetrol – 50% (Operator), ONGC Videsh- 50 %	Exploration
23	Colombia	Block RC#10 (Offshore)	ONGC Videsh-50% (Operator), Ecopetrol – 50%	Exploration
24	Colombia	CPO-5 (Onland)	ONGC Videsh-70% (Operator), Petrodorado-30%	Exploration
25	Colombia	SSJN-7 (Onland)	PSE 50%(Operator) , ONGC Videsh 50%	Exploration
26	Colombia	GUA OFF-2 (Offshore)	ONGC Videsh-100%	Exploration
27	Colombia	LLA-69 (Onshore)	ONGC Videsh-50%, SIPC-50%. Jointly Operated	Exploration
28	Brazil	BM-SEAL-4 (Offshore)	Petrobras–75%(Operator), ONGC Videsh- 25%	Exploration
29	Kazakhstan	Satpayev	ONGC Videsh-25%, Kazmunaygaz-75% (Operator)	Exploration
30	Bangladesh	SS-04 (Offshore)	ONGC Videsh-45% (Operator), OIL-45%, BAPEX-10%	Exploration
31	Bangladesh	SS-09(Offshore)	ONGC Videsh-45% (Operator), OIL-45%, BAPEX-10%	Exploration
32	Myanmar	B2 (Onland)	ONGC Videsh-97% (Operator), M&S-3%	Exploration
33	Myanmar	EP3 (Onland)	ONGC Videsh-97% (Operator), M&S-3%	Exploration
34	New Zealand	Block- PEP 57090	ONGC Videsh-100% (Operator)	Exploration

PIPELINE PROJECTS				
35	Sudan	741 Km. Pipeline Project (onland)	ONGC Videsh 90%; OIL 10%	Under Operation
36	Azerbaijan	1,760 Km.BTC Pipeline Project (onland)	ONGC Videsh-2.36%, BP-30.1%,SOCAR-25%, STAT Oil-8.71%, TPAO-6.53%, ITOCHU-3.4%, Chevron-8.9%, INPEX-2.5%, ENI-5%, TOTAL-5%, Conoco Philips-2.5%	Under Operation

PRODUCTION PERFORMANCE (ONGC Videsh's Share)

Sl. No	Products	Unit	2013-14 Actual	2014-15 Actual	2015-16			2016-17
					BE	MOU	RE	BE
1.	Crude Oil Production	MMT	5.486	5.533	5.152	5.360	5.502	5.589
2.	Natural Gas Production	BCM	2.871	3.341	3.142	3.242	3.100	3.011
3.	Total MMTOE	8.357	8.874	8.294	8.602	8.602	8.600	

Note: 1BCM of Gas has been taken as 1 MMT of Oil equivalent.

6.2.4 Production of Oil & Gas

During 2014-15 production level was higher in comparison to previous year due to higher gas production. During 2014-15, production was 8.874 MMTOE (5.533 MMT Oil and 3.341 BCM Gas). In BE 2015-16, oil and gas production has been considered as 5.152 MMT and 3.142 BCM respectively. In RE 2015-16 oil & gas has been considered 8.602 MMTOE (5.502 MMT Oil and 3.100 BCM Gas). In BE 2016-17 oil & gas has been considered 8.600 MMTOE (5.589 MMT Oil and 3.011 BCM Gas)

6.2.5 FINANCIAL PERFORMANCE

a) Plan Outlay

₹ Crore

2014-15	2015-16	2015-16			2016-17
Actual	Apr-Dec (Prov.)	BE	MOU	RE	BE
7,172	5,001	10,402	8,143	8,488	14,843

a) Source of Funds

The source of funds for the projects of ONGC Videsh is from internal accruals, equity infusion/borrowings from ONGC, the parent company and from the market.

b) Generation of Internal ResourcesGeneration of Internal Resources

The outlay for RE 2015-16 of ' 8488 Crore is envisaged to be financed through internal resources of about ' 7,650.72 Crore and net borrowing of ' 837.29 crore. The outlay for BE 2016-17 of ' 14,843 Crore will be financed through internal resource of ' 7,160.35 crore and net borrowing of ' 7,682.65 crore (net of equity swap, financing obligation, capitalized interest and other repayment)

₹ Crore

Particulars	2014-15Actual	BE 2015-16	RE 2015-16	BE 2016-17
Net Internal Resources available for Plan	6,177	9,655	7,651	7,160
Extra Budgetary Resources	994	747	837	7,683
Total Internal and Extra Budgetary Resources	7,172	10,402	8,488	14,843
Plan Outlay	7,172	10,402	8,488	14,843

Appropriate steps are being taken to improve the falling resources position and meet plan outlay targets.

6.2.6 PROFITABILITY

The profitability position of the Company is given below:-

Rs. Crore

Particulars	**2013-14 Actual**	**2014-15 Actual**	**2015-16**			**2016-17 BE**
			BE	**RE**	**Apr - Dec 2015**	
Revenue	22,224	19,149	20,473	14,721	Not yet	15,037
Profit Before Tax	6,989	3,067	4,857	144	Finalised	594
Profit After Tax	4,445	1,904	2,947	94		350

6.2.7 REVENUE GENERATION*

Rs. Crore

2013-14	**2014-15**	**2015-16**			**2016-17**
Actual	**Actual**	**BE**	**RE**	**Apr - Dec 2015**	**BE**
22,224	19,149	20,473	14,721	NOT YET FINALISED	15,037

* Net of VAT

6.2.8 PROFIT BEFORE TAX

Rs. Crore

2013-14	2014-15	2015-16			2016-17
Actual	Actual	BE	RE	Apr - Dec 2015	BE
6,989	3,067	4,857	144	NOT YET FINALISED	594

6.2.9 PROFIT AFTER TAX **

Rs. Crore

2013-14	2014-15	2015-16			2016-17
Actual	Actual	BE	RE	Apr - Dec 2015	BE
4,445	1,904	2,947	94	NOT YET FINALISED	350

** Net of Minority Interest

Appropriate steps are being taken to improve the falling resources position and meet plan outlay targets.

ONGC Videsh Limited
Financial Efficiency Parameters

Sl. No.	Details	UNit	2014-15 BE	2014-15 RE	2014-15 Actual	2015-16 BE	2015-16 RE	Apr-Dc	2016-17 BE
1	Sales	' Cr.	23,539.61	21,596.55	18,881.70	20,122.84	14,360.16		14,797.46
2	Cost of Sales	' Cr.	18,632.00	16,548.15	16,203.58	15,616.34	14,577.52		4,443.09
3	Cost of Sales as percentage of Sales	%	79.15%	76.62%	85.82%	77.61%	101.51%	Accounts for the period are under finalisation	97.61%
4	Total Cost of Production	' Cr.	18,632.00	16,548.15	16,203.58	15,616.34	14,577.52		14,443.09
5	Total Sale Value of Production	' Cr.	23,539.61	21,596.55	18,881.70	20,122.84	14,360.16		14,797.46
6	Cost of Production as percentage of sale value of Production	%	79.15%	76.62%	85.82%	77.61%	101.51%		97.61%
7	Total Value Added (GM - 10% of CE)	' Cr.	8,063.20	7,208.68	3,848.44	5,629.77	285.82		9.86
8	Value added per employee	' Cr.	2.69	2.40	1.82	1.88	0.10		-
9	Ratio of Net Profit After Tax to Net Worth	%	6.88%	6.65%	4.40%	6.37%	0.19%		0.72%
10	Ratio of Gross Margin to Capital Employed	%	27.76%	22.89%	16.77%	19.04%	10.45%		10.01%
11	Contribution top Central Govt. Exchequer	' Cr.	-	-		-			
a	Cess/Excise Duty	' Cr.	-	-		-			
b	Royalty	' Cr.	-	-		-			
c	Customs Duty	' Cr.	-	-		-			
d	Corporate Tax*	' Cr.	1,911.10	2,094.31	1,281.01	1,909.06	62.58		258.45
e	Tax on Foreign Companies A/C	' Cr.	-	-		-			
f	Dividend	' Cr.	-	-		-			
g	Tax on Dividend	' Cr.	-	-		-			
	Sub Total (11)	' Cr.	**1,911.10**	**2,094.31**	**1,281.01**	**1,909.06**	**62.58**		**258.45**
12	Contribution to State Exchequer	' Cr.	-	-		-			
a	Sales Tax including Turnover Tax	' Cr.	-	-		-			
b	Royalty	' Cr.	-	-		-			
c	Octroi/BPT	' Cr.	-	-		-			
	Sub Total (12)	' Cr.	**-**	**-**		**-**			

ONGC Videsh Limited
Financial Efficiency Parameters

Sl. No.	Details	UNit	2014-15 BE	2014-15 RE	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 Apr-Dc	2016-17 BE
12A	Total Contribution to Central/Sate Exchequer	' Cr.	**1,911.10**	**2,094.31**	**1,281.01**	**1,909.06**	**62.58**		**258.45**
13	Number of Employee on roll **								
	Executive	Nos	3,000	3,000	2,116	3,000	3,000		3,000
	Non Executive	Nos	-	-	-	-			
	Sub Total (13)	**Nos**	**3,000**	**3,000**	**2,119**	**3,000**	**3,000**		**3,000**
14	Profit Before Tax, Prior Period & Minority Interest	' Cr.	4,907.60	5,496.00	2,945.30	4,856.50	143.89		594.23
15	Provision for Tax, Prior Period & Minority Interest	' Cr.	1,911.10	2,094.30	1,041.08	1,909.05	49.86		244.46
16	Profit After Tax, Prior Period & Minority Interest	' Cr.	2,996.50	3,401.70	1,904.22	2,947.45	94.02		349.77
17	Retained Profit	' Cr.	2,996.50	3,401.70	1,904.22	2,947.45	94.02		349.77
18	Internal Resources Generated	' Cr.	9,602.45	10,586.94	10,026.88	9,654.62	7,650.72		7,160.35
19	Net Internal Resources	' Cr.	9,602.45	10,586.94	10,026.88	9,654.62	7,650.72		7,160.35
20	Extra Budgetary Resources***	' Cr.	5,189.64	(439.94)	(2,855.33)	747.38	837.28		7,682.65
21	Total Internal & Extra Budgetray Resources	' Cr.	14,792.09	10,147.00	7,171.55	10,402.00	8,488.00		14,843.00
22	Plan Outlay #	' Cr.	14,792.09	10,147.00	7,171.55	10,402.00	8,488.00	5,000.96	14,843.00

* Corporate Tax includes Foreign tax in ONGC Videsh's overseas JVs and subsidiaries

** No. of Employees from BE 2014-15 onwards includes OVL's proportionate share of employees in Joint ventures. For Apr-Sep'2015-16 the figure is provisional

*** Extra Budgetary Resources indicate Borrowings/(Repayment) and includeds parent company also

Plan outlay for Apr-Sep and Apr-Dec FY 2015-16 are Provisional

Name of PSU : ONGC Videsh Limited
Part A of Statement II
Plan Outlay & Expenditure Statement (Rs. Crore)

Sl. No.	Name of Project	2014-15 BE	2014-15 RE	2014-15 Actual	2015-16 BE	2015-16 Apr-Sep	2015-16 Apr-Dec	2015-16 RE	2016-17 BE
I	**PRODUCING ASSETS**								
1	Sakhalin I, Russia	2,726.13	3,435.12	2,628.81	3,863.58	1,362.13	2,053.32	3,307.96	3,329.40
2	Block 06.1, Vietnam	12.38	41.90	37.79	28.04	15.24	33.65	82.37	46.37
3	Imperial Energy, Russia	281.45	332.06	65.40	30.50	163.69	188.69	323.22	265.27
4	GNPOC, Sudan	395.98	515.82	659.27	485.72	244.32	284.42	346.79	305.91
5	GPOC, South Sudan	152.44	17.21	27.79	31.26	1.71	4.14	4.61	5.03
6	SPOC (5A), South Sudan	90.92	23.54	1.03	20.61	0.79	0.79	1.72	-
7	BC-10, Brazil	1,462.50	1,671.05	1,163.55	980.41	325.77	382.94	1,226.61	1,079.22
8	MECL, Colombia	333.15	589.52	371.33	501.22	119.06	162.85	260.35	255.39
9	PIVSA, San Cristobal, Venezuela	583.85	319.94	363.84	292.30	151.04	389.17	557.69	138.20
10	ACG, Azerbaijan	408.03	357.24	344.81	365.35	176.07	251.82	331.23	291.41
11	BTC Pipeline (ACG), Azerbaijan	-	-	-	-	-	-	-	-
12	Block A-1, Myanmar	169.38	179.24	170.74	82.18	84.87	107.85	114.34	1.22
13	Block A-3, Myanmar	-	0.42	11.99	0.10	0.50	1.06	3.29	2.10
14	Offshore Pipeline (Pipeco 1), Myanmar	-	-	0.78	-	-	-	-	-
15	Onshore Pipeline, (Pipeco 2), Myanmar	76.62	116.69	31.11	76.38	17.18	17.18	67.75	100.88
16	Sudan Pipeline	-	-		-	-	-	-	-
17	AFPC, Syria	-	-		-	-	-	-	-
	Sub total Producing assets	**6,692.83**	**7,599.75**	**5,878.24**	**6,757.65**	**2,662.37**	**3,877.88**	**6,627.93**	**5,820.40**
II	**ASSETS UNDER DEVELOPMENT**								
18	Carabobo, Venezuela	453.80	176.12	90.13	268.26	140.10	75.33	105.81	142.14
19	Rovuma Area-1, Mozambique	2,036.78	928.34	1,025.45	319.30	387.55	505.03	548.97	281.49
20	Block Farsi, Iran	11.49	3.03	-	3.04	-	-	-	-
21	Block 24, Syria	4.21	1.40	-	1.40	-	-	-	-
	Sub total Developing assets	**2,506.28**	**1,108.89**	**1,115.58**	**592.00**	**527.65**	**580.36**	**654.78**	**423.63**
	Sub total P&D assets	**9,199.10**	**8,708.64**	**6,993.82**	**7,349.65**	**3,190.02**	**4,458.24**	**7,282.71**	**6,244.03**

Name of PSU : ONGC Videsh Limited
Part A of Statement II
Plan Outlay & Expenditure Statement (Rs. Crore)

Sl. No.	Name of Project	2014-15 BE	2014-15 RE	2014-15 Actual	2015-16 BE	2015-16 Apr-Sep	2015-16 Apr-Dec	2015-16 RE	2016-17 BE
III	**Exploration Blocks**								
22	Block Satpayev, Kazakhstan	172.52	109.19	98.38	107.11	296.65	318.03	361.95	60.12
23	Block CPO 5, Colombia	62.06	207.75	1.66	152.08	91.61	102.59	432.59	38.47
24	Block SSJN7, Colombia	41.12	18.03	12.32	12.87	(0.19)	0.76	7.17	55.07
25	Block RC-8, Colombia	2.58	0.99	1.36	-	0.06	0.09	0.12	-
26	Block RC-9, Colombia	6.68	44.92	9.03	322.77	14.79	24.54	32.41	30.70
27	Block RC-10, Colombia	3.22	13.55	3.49	79.29	2.47	6.85	28.12	22.47
28	Block GUA Offshore 2, Colombia	2.50	8.36	4.02	9.94	0.83	1.12	4.14	8.16
29	Block LLA-69, Colombia	9.38	0.99	5.32	-	2.47	9.81	35.68	33.20
30	Block 128, Vietnam	94.69	3.43	-	1.10	0.39	0.60	3.80	3.17
31	Block 43, Libya	16.17	161.45	1.47	5.31	1.35	1.35	1.96	2.31
32	Block BM-SEAL-4, Brazil	215.02	25.17	15.81	18.73	1.63	2.62	11.12	8.99
33	Block SS-04, Bangladesh	-	4.67	1.70	93.41	0.73	1.12	4.68	173.96
34	Block SS-09, Bangladesh	-	3.89	0.83	93.44	0.73	1.12	11.65	62.96
35	Block B-2, Myanmar	-	5.25	0.02	153.03	0.74	1.04	17.73	105.39
36	Block EP-3, Myanmar	-	5.25	0.02	76.28	0.64	1.03	13.62	73.49
37	PEP 57090, New Zealand			0.06		0.32	0.40	35.87	26.32
	Sub total Exploration Blocks	**625.93**	**612.89**	**155.49**	**1,125.36**	**415.22**	**473.07**	**1,002.61**	**704.78**
IV	**Closed Projects**								
45	Block BM-BAR-1, Brazil	0.63		(0.27)	-	-	-	-	-
47	Block BM-S-73, Brazil	6.25	106.51	(4.77)	6.10	0.73	0.77	-	-
48	Block BM-S-74, Brazil	-		0.59	-	-	-	-	-
55	Block 25-29/36 (Repsol), Cuba	2.25			-	-	-	-	-
56	Block N-34 & N-35, Cuba	1.06			-	-	-	-	-
62	Closed/relinquished Projects	3.13	3.05		3.05	-	-	3.25	3.25
	Sub total closed Projects	**13.31**	**109.56**	**(4.45)**	**9.15**	**0.73**	**0.77**	**3.25**	**3.25**

Name of PSU : ONGC Videsh Limited
Part A of Statement II
Plan Outlay & Expenditure Statement (Rs. Crore)

Sl. No.	Name of Project	2014-15 BE	2014-15 RE	2014-15 Actual	2015-16 BE	2015-16 Apr-Sep	2015-16 Apr-Dec	2015-16 RE	2016-17 BE
V	New Acquisitions & BD	4,875.00	610.00		1,830.00	-	-	6.50	7,800.00
VI	OVAI, US			-		-	-	36.18	30.55
VII	H Q 78.74	105.91	26.69	87.84	40.15	68.88	156.75	60.39	
	TOTAL PLAN OUTLAY	**14,792.09**	**10,147.00**	**7,171.55**	**10,402.00**	**3,646.12**	**5,000.96**	**8,488.00**	**14,843.00**

Note: Plan outlays for Apr-Sep and Apr-Dec FY 2015-16 are provisional

ANNEXURE - V
PART B of Statement II

Rs./Crores

PLAN OUTLAYS

STATEMENT SHOWING BUDGET ESTIMATES FOR 2014-15 AND FINANCING PATTERN THEREOF

Sl. No.	Name of the PSU	BE 2016-17	Internal Resources	Public Deposit	OIDB Assistance	Commerical Borrowings/ Suppliers Credit/ Multinational Assistance	Debenture Right Issue Bonds	(*) Others	Loan	Equity	Total Sources of Financing Plan Outlay
1	ONGC VIDESH LTD.	14,792.09	9,602.45	-	-	(4,718.98)	-	9,908.62	-	-	14,792.09

* Others include Borrowings/ (Repayment) from the parent company ONGC Ltd.

Rs./Crores

STATEMENT SHOWING REVISED ESTIMATES FOR 2014-15 AND FINANCING PATTERN THEREOF

Sl. No.	Name of the PSU	BE 2016-17	Internal Resources	Public Deposit	OIDB Assistance	Commerical Borrowings/ Suppliers Credit/ Multinational Assistance	Debenture Right Issue Bonds	(*) Others	Loan	Equity	Total Sources of Financing Plan Outlay
1	ONGC VIDESH LTD.	10,147.00	10,586.94	-	-	(2,239.94)	-	1,800.00	-	-	10,147.00

* Others include Borrowings/ (Repayment) from the parent company ONGC Ltd.

Rs./Crores

STATEMENT SHOWING ACTUALSFOR 2014-15 AND FINANCING PATTERN THEREOF

Sl. No.	Name of the PSU	BE 2016-17	Internal Resources	Public Deposit	OIDB Assistance	Commerical Borrowings/ Suppliers Credit/ Multinational Assistance	Debenture Right Issue Bonds	(*) Others	Loan	Equity	Total Sources of Financing Plan Outlay
1	ONGC VIDESH LTD.	7,171.55	10,026.88	-	-	-	-	(2,855.33)	-	-	7,171.55

* Others include Borrowings/ (Repayment) from the parent company ONGC Ltd.

Rs./Crores

STATEMENT SHOWING BUDGET ESTIMATE FOR 2015-16 AND FINANCING PATTERN THEREOF

Sl. No.	Name of the PSU	BE 2016-17	Internal Resources	Public Deposit	OIDB Assistance	Commerical Borrowings/ Suppliers Credit/ Multinational Assistance	Debenture Right Issue Bonds	(*) Others	Loan	Equity	Total Sources of Financing Plan Outlay
1	ONGC VIDESH LTD.	10,402.00	9,654.62	-	-	747.38	-	-	-	-	10,402.00

* Others include Borrowings/ (Repayment) from the parent company ONGC Ltd.

Rs./Crores

STATEMENT SHOWING REVISED ESTIMATE FOR 2015-16 AND FINANCING PATTERN THEREOF

Sl. No.	Name of the PSU	BE 2016-17	Internal Resources	Public Deposit	OIDB Assistance	Commerical Borrowings/ Suppliers Credit/ Multinational Assistance	Debenture Right Issue Bonds	(*) Others	Loan	Equity	Total Sources of Financing Plan Outlay
1	ONGC VIDESH LTD.	8,488.00	7,650.72	-	-	-	-	837.28	-	-	8,488.00

* Others include Borrowings/ (Repayment) from the parent company ONGC Ltd.

Rs./Crores

STATEMENT SHOWING BUDGET ESTIMATE FOR 2016-17 AND FINANCING PATTERN THEREOF

Sl. No.	Name of the PSU	BE 2016-17	Internal Resources	Public Deposit	OIDB Assistance	Commerical Borrowings/ Suppliers Credit/ Multinational Assistance	Debenture Right Issue Bonds	(*) Others	Loan	Equity	Total Sources of Financing Plan Outlay
1	ONGC VIDESH LTD.	14,843.00	7,160.35	-	-	-	-	7,682.65	-	-	14,843.00

* Others include Borrowings/ (Repayment) from the parent company ONGC Ltd.

Name of the CPSE: ONGC Videsh Ltd. **Part C of Statement II**

Plan Outlay :

Rs./Crores

Sl. No.	Name of the PSU	Actual				2014-15			2015-16				2016-17
		2010-11	2011-12	2012-13	2013-14	B E	R E	Actual	B E	R E	Apr-Sept	Apr-Dec	B E
1	ONGC Videsh Ltd	5,650.21	7,999.55	10,891.41	35,357.25	14,792.09	10,147.00	7,171.55	10,402.00	8,488.00	3,646.12	5,000.96	14,843.00

ONGC Videsh Limited
Financial Performance

Rs. Crore

Particulars	2014-15			2015-16		2016-17
	BE	RE	Actual	BE	RE	BE
Revenue	23,539.61	22,044.15	19,148.89	20,472.84	14,721.41	15,037.31
Profit Before Tax	4,907.60	5,496.00	3,066.65	4,856.50	143.89	594.23
Profit After Tax	2,996.50	3,401.70	1,904.22	2,947.45	94.02	349.77

OIL INDIA LIMITED (OIL)

6.3.1 INTRODUCTION

Oil India Limited (OIL) is a public sector undertaking engaged in exploration of hydrocarbons. It is also engaged in (a) Extraction of LPG by fractionalization of Natural Gas and (b) transportation of crude oil produced by OIL and ONGC in North East region to four refineries viz. Numaligarh, Guwahati, Bongaigaon and Digboi in that region. The company is also transporting Ravva / imported crude to Bongaigaon refinery since 2003 through its Barauni – Bongaigaon Trunk Pipeline. The company became a Public SectorEnterprise on 14.10.1981. As on 31.03.2015, the authorized share capital of the company was Rs. 2000 crores and the paid up capital was Rs. 601.14 crores.

6.3.2 Physical Performance

6.0 Crude Oil

6.1 The BE target for production of crude oil during 2014-15, which was set at 3.66 MMT (MoU 3.63 MMT, including JV contribution), has been revised to 3.469 MMT. The actual production of crude oil during 2014-15 was 3.4121 MMT (without JV contribution), which is 93.23 % of the BE (95.57 % of MoU) Target and 98.36 % of the RE Target.

Crude oil production during the year 2014-15 was less than the planned target mainly due to the consequential and permanent loss of production suffered by a number of wells in OIL's producing fields in Upper Assam districts of Tinsukia and Dibrugarh due to shut in of the wells during the month of February / March 2014, when OIL's operations were severely affected by the agitation by local bodies/ student unions on the issue of recruitment of unskilled labours by OIL.

Also, the planned drilling activity suffered due to no. of bandhs and blockades in OIL's operational areas, leading to less than expected contribution to production from new drilling wells.

6.2 The BE target for production of crude oil during 2015-16, which was set at 3.65 MMT (MoU 3.63 MMT), has been revised to 3.3455 MMT. Crude oil production for first 9 months of the year 2014-15 (April-December 2014) is 2.466 MMT, which is 67.56 % of the BE (67.93 % of MoU) Target and 73.71 % of the RE Target.

Crude oil production during the initial 9 months period was less than the planned target mainly due to the higher than expected decline of production from old wells, less than expected contribution from new drilling wells and workover operations. OIL has taken several steps to increase the crude oil production during remaining part of the year 2015-16. Crude oil production target for 2016-17 BE is set at 3.45 MMT.

6.3. Reasons for downward revision in the Crude oil Production Target in 2015-16 :

Crude oil production plan for the year 2015-16, was prepared based on contributions from different sources like the wells that were on production as on 01.04.15, addition through sick well liquidation through work over operations and the new wells added through drilling during the current year. The basket of contribution involves wells which were completed in late 1960s to new wells completed during the year.

It is worth mentioning that OIL's crude oil production is from the matured Upper Assam basin, where large structures are absent for exploration. In other words the production is coming from old fields which are in ageing phase and the small new structures that exist in the vicinity of the producing major fields. Therefore, due to non-availability of the large finds, discovery of small structures is inadequate to compensate the higher than expected decline of major fields on account of rising water cut, failures like sand ingression associated with water cut etc.

Issues associated with land procurement for drilling new wells and creation of production infrastructure etc. also posed major challenges for maintaining existing production level, if not enhancement.

During the current year although initial production levels were about 9400 MTPD (3.42 MTPA) the same could not be maintained due to the following:

- Higher than planned decline rate in old wells due to unprecedented rise in water cut and sand ingression problems.
- Non-yielding of expected potential from work over wells on account of various unforeseen down hole complications.
- Less than planned potential build up from drilling of new wells.
- Loss of production due to environmental impact like bandhs and blockades

6.4 Initiative:

In order to improve upon the situation, certain action plans were chalked out and the same are given below:

Short Term & Mid-Term Measures

1) Hydraulic Fracturing

In the initial phase of the hydro fracturing campaign, 5 wells across the fields were taken up. The total gain of crude oil and gas production after hydraulic fracturing was 61 KLPD of crude oil and 49500 SCUMD of natural gas. In view of the encouraging results in the campaign, the contract has been extended for another 5 wells.

2) Matrix Acidization

For enhancement of production from wells with formation damage, matrix acidization job has been taken up. For the first phase, only water disposal wells and water injection wells are taken up for acidization which will indirectly help in maintaining crude oil production and reservoir management. A contract has been signed with M/S Assam Petroleum Limited for 4(four) years to execute the stimulation jobs. At present 15 nos. of wells have been selected.

3) Radial Drilling

For enhancement of crude oil production from old fields like Nahorkatiya and Jorajan, Radial Drilling has been planned so that the gain in crude oil could be achieved through testing of higher up sands. LOA has been issued to M/S Radial Drilling Services, USA for 4(four) nos. of wells.

4) Gravel Pack

Sand ingression has become a major issue in reducing crude oil production in OIL's major oilfield like Makum&Hapjan and gas fields like Lohali, Deohal etc. Gravel pack campaign for total 20 (twenty) nos. of wells has already been initiated. Out of these wells, the gravel pack jobs at 4 (four) wells have already been completed. For next 10 (ten) wells, 4(four) nos. of oil wells have been earmarked and rest are gas wells.

5) In-house Studies

In-house studies are also being undertaken for retrieval of oil from un-drained and by passed reservoir areas through in-fill drilling campaigns.

6) Chemical Water Shut-off

In the recent times, water cut has increased significantly from matureed fields like Naharkatiya, Makum, Bhogpara etc. To arrest the increasing trend of water cut and thus increasing the longevity of the producing wells, implementation of chemical water shut off technology is being envisaged in Bhogpara and a few other Eocene wells. The job is being carried out by IRS, ONGC.

7) Prioritization of wells with high potential for workover.

To compensate old well decline, special thrust has been given on workover operation and wells with high potential have been prioritized in workover schedule. The positive results of the effort could be seen in the form of gain of about 40 MTPD of oil from recent workover wells viz., SLM-9, HJN-4, TMK-6, NHK-489. Extensive periodic reviews are being carried out to find additional oil (quick gain) through workover operations such as Live Condition Perforations, Zone Transfers, isolation repair etc.

8) Setting up of security camps at various strategic locations to prevent environmental losses

Environmental issue like Bandh, Blockades and miscreant activity have adversely affected crude oil production in recent past. To minimize the loss due to environmental reasons, security in oilfields has been intensified by setting up additional security camps in strategic localities.

9) Development drilling candidates are being reviewed to improve realization of higher potential from new wells.

6.5 Natural Gas

6.6 The BE target for Natural gas production for the year 2014-15 was 2,740 MMSCM (MoU 2839 MMSCM). The target was revised downward to 2639 MMSCMD as RE target for the year.The terminal production of natural

gas achieved by OIL during the year 2014-15 was 2,722 MMSCM, which is 99.34 % of the BE (95.88 % of MoU) Target and 103.15% of the RE Target.

Natural Gas production during the year 2014-15 was marginally lower than the planned target was than committed withdrawal of gas by gas customers in Assam and the sole customer in Rajasthan during the period. The reason cited by a few major gas customer in Assam and Rajasthan is listed below:

Sl. No.	Customer	Reason
1	BVFCL (fertilizer)	Frequent failures of old vintage plant, prolonged unscheduled maintenance work
2	BCPL (Petrochemical)	BCPL failed to withdraw gas as per their withdrawal plan since the plant was not ready for commissioning. Continue to draw approx. @ 0.01 MMSCMD for the captive use as against the withdrawal plan of @ 0.535 MMSCMD pending commissioning of the Gas Cracker plant
3	RRVUNL(Power)	Frequent unscheduled shutdown and grid problem.

6.7 The BE target for Natural gas production for the year 2015-16 is 2,899 MMSCM (MoU 3010 MMSCM). The target has been revised downward to 2869 MMSCMD as RE target for the year. Gas production for first 9 months of the year 2015-16 (April-December 2015) is 2120 MMSCM which is 73.13 % of the BE (70.43 % of MoU) Target and 73.89 % of the RE Target. Natural gas production during the initial 9 months period was less than the planned target mainly due to less than the committed withdrawal of gas by gas customers in Assam during the period.The reason cited by a few major gas customers of natural gas in Assam are listed below:

Sl. No.	Customer	Reason
1	BVFCL (Fertilizer)	BVFCL's Namrup –II plants and Namrup-III plants were shutdown for 49 days and 45 days respectively during the period for various maintenance issues of their plants.
2	NRL (Refinary)	NRL was shutdown for 8 days during the month of May'15 for fire in their Hydrocracker unit.
3	NEEPCO (Power)	Intermittent unscheduled maintenance shutdown
4	BCPL (Petrochemical)	Upliftment by BCPL was less than the estimated targeted quantity due to its delay in commissioning of the plant.

The target for natural gas production has been revised downward considering the delay in commissioning of BCPL plant at Lepetkata, Dibrugarh.

6.8 Initiative

In order to enhance natural gas production, OIL has taken up expeditious efforts which has resulted in increase of production from Assam and Arunachal Pradesh fields to the present level of 8.42 MMSCMD from the production level of 6.90 MMSCMD at the beginning of the year 2015- 16. Necessary activities including surface infrastructures development has been planned to increase the production to a level of more than 9.00 MMSCMD in the coming year in order to meet the existing committed requirement, particularly after commissioning of Brahmaputra Crackers and Polymers Ltd. (BCPL).

6.9 LPG

6.10 BE Target of LPG production for the year 2014-15 was 44,000 Tonnes (MoU 44,700 Tonnes). The actual terminal production for the year 2014-15 was43,570Tonnes, which was 99.02 % of the BE target and 97.47 % of MoU target.

The marginal shortfall inLPG production from planned target was due to the more than 3 decade vintage of the plant which demanded more than planned maintenance during the year.

6.11 BE Target of LPG production for the current year 2015-16 is 44,700 Tonnes (MoU 44,000 Tonnes) and has been revised to 42,000 Tonnes (RE). The actual production during first 9 months of the year 2015-16 (April-December 2015) is 30,354Tonnes, which is 67.91 % of the BE target, 68.99 % of MoU target and 72.27% of RE.

The shortfall in LPG production is attributable to lower than planned C2+ contentin the input natural gas supply to the plant.

6.12 Reason for downward revision of LPG Production target

The LPG production target has been revised downward considering that BCPL plant is expected to get commissioned by end of 3rd Qtr. Of 2015-16, which will lead to further reduction of C2+ content in input natural gas stream to the LPG plant.

Also, the hazards associated with running a 33 yrs. vintage plant and the maintenance requirement for safe operation has been given due consideration.

6.3.3 FINANCIAL PERFORMANCE

Performance for the year 2014-15 (Actual)

6.13 The total XII Plan (2012-13 to 2016-17) outlay for Oil India Ltd. (OIL) was approved by the Planning Commission at Rs.19,003 crore. As against this, the actual Plan expenditure during first three years of the XII Plan period (i.e. 2012-13 to 2014-15) was Rs.16,015 crore, including investment of Rs.6,413 crore during 2013-14 in acquisition of 40% equity stake in Beas Rovuma Energy Mozambique Limited (BREML), a company holding 10% participating interest in Rovuma 1 offshore block in Mozambique during 2013-14.

6.14 The Plan expenditure target for 2014-15 in the XII Plan period was kept at Rs.4,044 crore. The Annual Plan Outlay (BE) for 2014-15 was approved by the Planning Commission at Rs.3,632 crore, which was revised (RE) to Rs.3,529 crore. The actual Plan expenditure for the year 2014-15 was Rs.3,774 crore which is 104% of the BE Plan Outlay and 107% of the RE Plan Outlay.

Performance for the Year 2015-16

6.15 The Plan expenditure target for 2015-16 in the XII Plan period was kept at Rs.4,085 crore. The Annual Plan Outlay (BE) for 2015-16 was approved by MoP&NG at Rs.3,918 crore. OIL has submitted the Revised Plant Outlay to Ministry of Petroleum & Natural Gas for Rs.3,537 crore (RE). The Actual Plan Expenditure of the Financial Year 2015-16 (upto Dec'15) is Rs.2,468 crore.

Plan for the year 2016-17 (BE)

6.16 The Plan expenditure target for 2016-17 for the XII Plan period was kept at Rs.3,897 crore. The Annual Plan Outlay (BE) for 2016-17 has been submitted to Ministry of Petroleum & Natural Gas at Rs.4,020 crore. The marginal upward revision for 2016-17 as compared to the XII Plan Outlay is mainly on account of higher targets of Exploratory Drilling.

6.17 The break-up of plan outlay for the year 2015-16 (BE & RE) and 2016-17 (BE) under the broad heads of expenditure are given below:

(Rs. in Crore)

Heads of expenditure	2015-16 (BE)	2015-16 (RE)	2016-17 (BE)
Surveys	345	438	417
Exploratory Drilling	1249	957	1377
Development Drilling	807	790	824
Capital Equipment's & Facilities	698	548	747
Overseas Projects & Investments	819	804	655
Grand Total	**3918**	**3537**	**4020**

6.3.4 Generation of Internal Resources

6.18 The Plan expenditure for the year 2015-16 (BE) was envisaged to be financed from Company's own generation of internal resources during the year and the available carried forward surplus from previous years.

6.19 Similarly for 2016-17, the Plan Outlay (BE) of Rs.4,020 crore is proposed to be financed through generation of internal resources. The internal resource generation during 2016-17 is estimated at Rs.3,615 crore. The

shortfall in Plan Outlay vis-à-vis the internal resource generation during 2016-17 will be met out of the carried forward surplus from 2015-16.

Financial Efficiency Parameters

6.20 The highlights of the financials of the company are as under:

(Rs./Crore)

Details	2014-15 (Actual)	2015-16(Projected)	2016-17 (Projected)
Total Income	11020	10859	9932
Profit before tax	3729	3083	2296
Profit after tax	2510	2016	1501

Annexure-A

OIL INDIA LIMITED
FINANCIAL EFFECIENCY PARAMETERS

Sl. No.	Item	Unit	2014-15 F.Y. (Actuals)	2015-16 B.E (Approved)	2015-16 R.E. (Anticipated)	2016-17 BE (Proposed)
1	SALES	Rs.in Crore	9748.23	11429.96	9781.76	8863.60
2	COST OF SALES	Rs.in Crore	6019.53	6921.51	6698.69	6567.77
3	COST OF SALES / SALES	%	61.75%	60.56%	68.48%	74.10%
4	TOTAL COST OF PRODN	Rs.in Crore	4646.79	5155.59	4835.89	4881.66
5	TOTAL SALE VALUE OF PRODN	Rs.in Crore	9823.38	11505.71	9889.58	8958.84
6	TOTAL COST OF PRODN / TOTAL SALE VALUE OF PRODUCTION	%	47.30%	44.81%	48.90%	54.49%
7	VALUE ADDED PER EMPLOYEE	Rs.in lakhs	58.71	64.07	63.03	65.58
8	TOTAL VALUE ADDED	Rs.in Crore	4605.58	5125.57	4793.41	4835.78
9	PAT / NET WORTH	%	11.67%	11.79%	8.89%	6.44%
10	PBT / CAPITAL EMPLOYED	%	21.87%	27.48%	16.93%	13.94%
11	PRODUCTIVITY:-					
a)	Input-Output ratio		N.A	N.A	N.A	N.A
b)	Cost of Input per employee		N.A	N.A	N.A	N.A
c)	Value of Output per employee	Rs.in lakh	125.22	143.82	130.04	121.49
d)	Capital-Output ratio	%	57.62%	70.12%	54.30%	54.41%
12	TOTAL SALARY & WAGES PAID:	Rs.in Crore	1587.52	1718.32	1779.32	1921.67
a)	Direct Salary & Wages	Rs.in Crore	1221.44	1298.94	1369.01	1478.53
b)	Overheads	Rs.in Crore	366.08	419.38	410.31	443.14
13	UTILITIES CONSUMED:					
a)	Electricity	Rs.in Crore	41.68	39.77	45.43	49.07
b)	Fuel Rs.in Crore	32.40	17.82	32.48	35.08	
c)	Others (Water)	Rs.in Crore	32.40	38.06	56.53	61.06
	TOTAL UTILITIES	Rs.in Crore	54.26	95.65	134.45	145.20

Annexure-A

OIL INDIA LIMITED
FINANCIAL EFFECIENCY PARAMETERS

Sl. No.	Item	Unit	2014-15 F.Y. (Actuals)	2015-16 B.E (Approved)	2015-16 R.E. (Anticipated)	2016-17 BE (Proposed)
14 A.	TOTAL FIXED COST	Rs.in Crore	1587.52	1718.32	1779.32	1921.67
B.	TOTAL VARIABLE COST	Rs.in Crore	5722.33	6271.74	5995.44	5714.65
15	CONTRIBUTION TO CENTRAL GOVT:					
a)	Cess on crude oil	Rs.in Crore	1531.36	1652.33	1506.23	1553.17
b)	Dividend - Govt. (incl. DDT)	Rs.in Crore	1444.85	1148.81	727.95	614.35
c)	Excise duty	Rs.in Crore	0.00	0.00	0.00	0.00
d)	Customs duty	Rs.in Crore	0.00	0.00	0.00	0.00
e)	Corporate tax (excl deferred tax)	Rs.in Crore	853.50	1574.02	1066.99	794.54
16	CONTRIBUTION TO STATE GOVTS:					
a)	Sales tax	Rs.in Crore	0.00	0.00	0.00	0.00
b)	Royalty	Rs.in Crore	1279.78	1472.56	1266.24	1116.62
c)	PEL Fees	Rs.in Crore	7.77	4.07	5.69	5.69
17	NUMBER OF EMPLOYEES ON ROLL:					
a)	Officers	Number	1435	1453	1471	1431
b)	Workmen: Technical	Number	4910	4906	4664	4577
c)	Workmen: Non-Technical	Number	1500	1641	1470	1366
	TOTAL NO. OF EMPLOYEES	Number	7845	8000	7605	7374
18	GROSS INTERNAL RESOURCES GENERATED:	Rs.in Crore	1341.90	4493.53	3279.34	3754.51
19	NET INTERNAL RESOURCES AVAILABLE FOR PLAN OUTLAY:	Rs.in Crore	937.39	4078.50	2667.12	3260.82
20	PLAN OUTLAY APPROVED:	Rs.in Crore	3631.73	3917.64	3537.27	4019.71
21	ACTUAL / ESTIMATED PLAN EXPENDITURE:	Rs.in Crore	3773.77	3917.64	3537.27	4019.71

Annexure-A

OIL INDIA LIMITED
FINANCIAL EFFECIENCY PARAMETERS

Sl. No.	Item	Unit	2014-15 F.Y. (Actuals)	2015-16 B.E (Approved)	2015-16 R.E. (Anticipated)	2016-17 BE (Proposed)
22	REASONS FOR SHORTFALL IN PLAN EXPENDITURE TO APPROVED OUTLAY					
23	A. FOREIGN EXCHANGE BUDGET ALLOTMENT:					
a)	Materials / Equipment	Rs.in Crore				
b)	Services	Rs.in Crore				
c)	Others	Rs.in Crore				
	TOTAL (23A)	Rs.in Crore	0.00	0.00	0.00	0.00
24	B. FOREIGN EXCHANGE UTILIZATION:					
a)	Materials / Equipment	Rs.in Crore	582.69	283.72	629.31	679.65
b)	Services	Rs.in Crore	50.54	49.92	47.59	51.40
c)	Others	Rs.in Crore				
	TOTAL 24(B)	Rs.in Crore	633.23	333.63	676.90	731.05
25	C. FOREIGN EXCHANGE OUTGO:					
a)	Materials / Equipment	Rs.in Crore	582.69	283.72	629.31	679.65
b)	Services	Rs.in Crore	50.54	49.92	47.59	51.40
c)	Others	Rs.in Crore	0.00	0.00	0.00	0.00
	TOTAL 25(C)	Rs.in Crore	633.23	333.63	676.90	731.05
26	PROFIT BEFORE TAX: (AFTER INTEREST AND DEPRECIATION)	Rs.in Crore	3728.70	4508.45	3083.07	2295.83
27	TAX PROVISION:	Rs.in Crore	1218.50	1717.68	1066.99	794.54
28	PROFIT AFTER TAX:	Rs.in Crore	2510.20	2790.76	2016.08	1501.29

GAIL (INDIA) LIMITED

6.4.1 INTRODUCTION

GAIL (India) Ltd is India's principle natural gas transmission and marketing company with activities expanding to Gas Processing for fractionating LPG, Propane, Pentane and Naptha; transmission of LPG; Petrochemicals like HDPE and LLDPE. The company has extended its presence in Power, LNG regasification, City Gas Distribution and Exploration & Production through equity and JV participations. The company has an authorized and Paid-Up capital of Rs. 2000 Crores and Rs. 1268 Crores respectively as on 31.12.2015. The Gov. of India holds 56.11% of its equity.

6.4.2 PHYSICAL PERFORMANCE

The Natural gas quantity transmission decreased from 96.22 MMSCMD in April 13-March 14 to 92.10 MMSCMD in April 14-March 15 due to reduction in APM,RIL & PMT Gas. Gas Trading decreased from 79.18 MMSCMD in April 13-March 14 to 72.07 MMSCMD in April 14-March 15 due to reduction in APM & PMT Gas . During the same period liquid hydrocarbon Production decreased from 1302 (000 MTs) to 1277 (000 MTs), Petrochemical Production increased from 440 to 447 (000 MTs), and LPG Transmission quantity decreased from 3145 (000 MTs) to 3093 (000 MTs).

Particulars	2014-15 Actuals	2015-16 BE	2015-16 RE	2015-16 Actuals upto Dec15	2016-17 BE
Natural Gas Marketing (MMSCMD)	72.07	75.00	72.30	73.43	73
Natural Gas Transmission (MMSCMD)	92.10	95.45	91.49	91.63	91.72
LHC Production (TMT)	1277	1252	1172	829	1124
Polymer Production (TMT)	447	580	490	230	670
LPG Transmission (TMT)	3093	3550	2916	2068	3000

6.4.3 FINANCIAL PERFORMANCE

The Company has achieved a turnover of Rs.56569 Crores during 2014-15 against Rs.57245 Crore during 2013-14 showing decline of 1.18%. The main reason for this decline is due to fall in the energy prices (mainly LNG) world-wide. The Gross margin has also decreased to Rs. 5620 Crore in 2014-15 against Rs 7945 Crore in 2013-14 i.e decrease of around 30%.

The decrease in Gross Margin is due to decreased product prices like LHC and Petrochemicals as a result of the decrease in Crude oil prices world-wide and high input cost of production due to less allocation of domestic gas for production along with high price of long term contracts of RLNG. Net Profit decreased to Rs. 3039 Crore in 2014-15 from Rs 4375 Crore in 2013-14

6.4.4 PROFITS (AFTER TAX) (Rs Crores)

Actual 2014-15	BE 2015-16	RE 2015-16	Actual 2015-16 upto Dec15	BE 2016-17
3039	2819	1224	1529	1480

6.4.5 CORPORATE SOCIAL RESPONSIBILITY

As a conscious corporate citizen, GAIL believes that it has a social purpose. The rigour and strategic thought that drives GAIL to be consistently ranked among the top gas utilities in the world, also drives its CSR initiatives. GAIL's motto statement 'Tomorrow is yours' is also a reflection of the hopes, aspirations and dreams of the many beneficiaries of the CSR initiatives.

At GAIL, every year two percent of average Net Profit of the preceding 03 F/Ys is earmarked for various CSR programmes of the Company that are structured to result in effective outcomes. **For the year 2015-16, the company has already committed Rs. 159.5 Crores (approx.) for a variety of projects, programs and initiatives in and around its major work centers**. It follows global best practices in identifying, implementing, sustaining and monitoring its CSR programmes to maximize sustainability, scalability and transparency.

Following a Project-based Approach towards all CSR interventions, as detailed in the CSR Policy, CSR programmesare primarily implemented in the rural areas which are in close proximity to the major work centres/installations of thecompany. While all CSR activities undertaken at GAIL fall in the purview of Schedule VII of the Companies Act, 2013, the company has identified seven broad areas of CSR intervention, each of which is titled by the objective they seek to achieve viz. ***Arogya (Wellness)*** - Nutrition, Health and Sanitation and Drinking Water projects , ***Ujjawal (Towards a Bright future)*** – Education initiatives, ***Kaushal (Skill)*** - Livelihood Generation and Skill development initiatives, ***Unnati (Progress)***- Rural Development, ***Sashakt (Empowerment)***- Women Empowerment initiatives, ***Saksham (Capable)*** - Care of the elderly and differently abled, and ***Harit (Green)*** - Environment centric initiatives.

The major CSR initiatives being undertaken in the current FY include:

1. *Ujjawal*– Education initiatives

GAIL through its Education Initiatives is engaged in changing the world for children and young adults who have been deprived of the opportunity to acquire knowledge and education due to acute poverty. A slew of projects have been undertaken to address critical issues such as school dropout rate, literacy rate, education for out of school children, equipment and infrastructure for schools among others. To facilitate access to quality education by the less privileged children, the GAIL Charitable and Education Trust was set up in 2009 to award scholarships to meritorious poor students. The activities of the Trust have not been augmented from award of scholarships to undertaking education centric projects around GAIL's work centres focusing on improvement of quality of teaching – learning, provision of basic school infrastructure etc.

To further boost the outreach of education among the lesser privileged, GAIL has supported creation of infrastructure

like class rooms, IT facilities, libraries, science labs, provision of equipment and stationery to schools to enhance creativity among students and improve attendance of children. GAIL's inclusive development philosophy makes education for children with special needs a possibility, through provisioning of hearing aids and other assisted aids to help such special children join the mainstream.

Education centric initiatives are the backbone of all envisioned change as these initiatives realize the critical value of good quality education in shaping the future of not just the individual but of the society as a whole. At the same time GAIL also acknowledges the fact that the access of students from disadvantaged segments of the society to quality education is severely hampered by their social reality. In light of this, it is imperative that education centric CSR activities are truly transformative in nature and help the beneficiaries turn their hopes into reality.

GAIL *Utkarsh*is aimed at securing the future of brilliant students whose dreams may have otherwise perished due to lack of finances. This pioneering project provides all-expense paid, specialised residential coaching/intensive mentoring so that bright students from under privileged can compete for engineering entrance examinations such as IIT/JEE, AIEEE, UPTU etc. This project was initiated in the year 2009-10 andthe intake of the students has increased from 30 in the first year (2009) to 60 in 2010-11 to 100 from 2011-12 onwards. The change in the pattern of the IIT JEE exam has also prompted the course structure and module to undergo a change to help the students so that the students stay focused and develop a result oriented approach in preparing for the exam. Being a residential learning centre, the students are able to focus on their studies by keeping away distracting factors like domestic and other issues and adopt the art of peer learning, which is an important lesson for their future academic life. Once these children qualify, GAIL also subsidizes their academic expenses by extending Scholarship to the students requiring the same.

In FY 2014-15, out of 100 students, 91 Utkarsh Students qualified Mains exam of IIT and 50 of them successfully qualified the IIT advance exam. Others Utkarsh students have also secured admissions in various prestigious institutions of the country. Since 2009-10, more than 350 students have secured admissions in different premier engineering colleges. ***In the year 2015-16, the project is providing residential coaching to 100 more students, from disadvantaged segments of society, to help them realise their dream of a better life.***

2. *Kaushal*- Livelihood Generation and Skill development initiatives

Enabling and empowering the underprivileged so that they become agents of change lies at the very heart of GAIL's Skill development centric CSR initiatives. The organisation seeks to address the critical issues of unemployability by providing skills to the disadvantaged so that they gain sustainable employments as well as social respect, self-reliance and self-confidence. Empowerment of the differently abled and physically challenged is another area where GAIL is proactively involved through the provision of essential medical aids, equipment and infrastructural support.

GAIL through its CSR initiatives is trying to bridge the disparity between jobs and skilled manpower by extending employment linked skill Development Training to rural youth of the country. The Multi-skill schools established in M.P. (Guna), A.P (Tandur, Ranga Reddy) – till 31.08.2015), Gujarat (Dediapada, Narmada) and Andhra Pradesh (Nagaram, East Godavari) under ***Project Swavalambh*** have been imparting skills based training in retail, hospitality, facility management, masonry, web designing, AutoCAD etc. to rural &youth of country along with placement support.

Training has been provided to 300 beneficiariesfrom the underprivileged community to over Plastic industry related

trades through Central Institute of Plastics Engineering and Technology (CIPET) at Ahmedabad, Guwahati, Hyderabad, Lucknow and Bhubaneswar in 2014-15 and 2015-16.

In the year 2015-16, GAIL has also started the GAIL India Employability Programme wherein vulnerable youth across Delhi/NCR is being provided training in Hospitality Services in partnership with Delhi Police's YuvaProgramme.

Livelihood opportunities are also being afforded to the people from underprivileged and tribal regions in the form of specialized vocational training with employment linkages in the form of training in animal husbandry, welding, fitting, plumbing, house wiring etc.

3. *Arogya*- Nutrition, Health and Sanitation and Drinking Water projects

As part of the Hon'ble Prime Minister's call for ***"Swachh Bharat, Swasth Bharat"*** mission, your Company has joined the campaign and is playing an active role in providing hygienic sanitation facilities for all . In significant move towards fulfilling Hon'ble Prime Minister Shri Narendra Modi's commitment towards providing hygienic sanitation facilities, your Company is constructing as well as supporting construction/functionality of nearly 3500 toilets with water facility, under ***"Swachh Bharat, SwachhVidyalaya"*** program over 2014-15 and 2015-16. Further, GAIL has also undertaken projects focussed on promotion of hygiene and sanitation around its major work centres which include among others provision of waste pick up vans, installation of dustbins in public places, adoption of historical monuments for maintaining cleanliness etc.

Since most of GAIL's operational plants and pipeline stations are in rural India, the organisation has devised and implemented projects to bring health care facilities to the doorsteps of local communities. The critical area of Healthcare, and its relevance in the lives of the disadvantaged, is addressed by the GAIL's Mobile Health Van Programme which caters to the gap in the primary health care system delivery by operating 20 Mobile Medical Units in states of Uttar Pradesh, Madhya Pradesh, Gujarat, Punjab, Uttarakhand, Andhra Pradesh and Haryana, covering over 400 villages.

Scarcity of water is a global concern, and GAIL places a premium on the value of water as a depleting natural resource. To enable access and increase the supply of potable water, an integrated water management strategy that supports responsible water management and environmental stewardship has been adopted under ***Arogya***. GAIL has facilitated installation of bore-wells, tube-wells, hand pumps and laying of pipelines in various districts of Uttar Pradesh. In the year 2014-15 and 2015-16, GAIL has also undertaken sanitation programmes to improve local hygiene and sanitation practices through construction oftoilets in village areas.

GAIL has also made a provision of ambulances and diagnostic equipment to various hospitals, in addition to setting up a rural eye hospital in Sohna, Gurgaon (Haryana) and contributing towards establishment of comprehensive eye care centre in Auraiya, Uttar Pradesh. GAIL understands the role and significance of Transporters/Drivers/Truckers in furthering their business operation. In order to address the perennial problem of HIV/AIDS associated with this segment of the population, GAIL is running a STI Clinic in Uttar Pradesh and Madhya Pradesh.

4. *Unnati-*Rural Development

For sustainable and holistic development, GAIL is guided by the triple bottom line i.e. people, profit, planet and clearly recognizes that society's economic competitiveness is interlinked to its social and environmental health, which is

feasible only by strengthening it at the grassroots level.Rural infrastructure or rather the lack of it is has been a perceptible need felt by many. GAIL has among other interventions also lent a helping hand towards boosting rural infrastructure and the interventions in this area are therefore aimed at providing and enabling an environment that contributes to the betterment of the community residents.

GAIL had initiated ***Project Shrijan***- Long Term Relief and Rehabilitation Project focusing on Livelihood promotion and capacity building for women and youth in flood affected regions in Rudraprayag, Uttarakhand in FY 2013-14. The project is a 4 year integrated project aimed at holistic development along with focused rehabilitation of the area's population. Under the project, disaster resistant household structures have been constructed for the beneficiaries along with establishment of Community Resource Training Centres in 03 blocks of Rudraprayag District. Individual psychological counseling and career counseling has been extended to the people in need for the same. Livelihood opportunities have been set up by way of establishment of Hydro-Power based electrical generation and grinding units, skill development training in food processing, organic farming etc. Mock Drills and Radio Shows have been organized to prepare people for similar disaster related situations in the future.

Beginning FY 2013-14, a long term Integrated Watershed Development and Management Project - ***Project Jaldhar***, was initiated- wherein Watershed Management Initiatives such as deepening of ponds and construction of check – dams have been undertaken to augment villager's access to water. The initiative covering nearly 40 villages over 5 years and integrating community participative components, as part of the project implementation strategy aims to make the otherwise water scarce region water sufficient and environmentally sustainable.

Investment in rural infrastructure has been primarily driven by the welfare needs of communities that live close to its work centres. These include projects improving connectivity between villages and/to towns and cities through construction of village approach roads, construction of community halls, toilets, installation of solar lighting systems etc. to benefit the community at large. The physical asset creation has led to improvement in the physical access the disadvantaged communities have to resources and thereby improved their social mobility in life.

5. ***Sashakt***- Women Empowerment initiatives

GAIL firmly believes that a woman's position is a true reflection of a society's progress. While women were always included as part of the beneficiaries, GAIL's revised CSR Policy has included a new focus area especially centered on women issues.

In the year 2014-15, GAIL had also partnered with National SafaiKaramcharis Finance and Development Corporation, a Govt. of India undertaking, for extending training to nearly 480 nos. women from SafaiKaramcharibackground in BPO, Call Centre and Personality Development traits at 04 centres in Assam and Tripura.

A project has also been undertaken to empower Adolescent Girls & Women through Employability Skill Training, Gender Sensitization and Legal Awareness in slums of Nizammuddin, Jangpura, Bhogal and Pant Nagar.

In addition, taking a holistic view of livelihood intervention GAIL under its project "Sustainable Livelihood Intervention through financial literacy and skill development in Ujjain district of Madhya Pradesh" is providing Financial Literacy training to 2000 women, training in safe housing construction to 1000 women and skill training to 400 women over the years 2015-16 and 2016-17 to enhance their earning capacity.

Encouraging women's participation in sports and especially those sports which are gradually diminishing, GAIL is supporting setting up of an Archery Centre for tribal women inDahod, Gujarat.

6. ***Saksham***- Care of the elderly and differently abled

Empowerment of the differently abled and physically challenged is another area where GAIL is proactively involved through the provision of essential medical aids, equipment and infrastructural support.

In the year 2014-15, GAIL had partnered with National Handicapped Finance and Development Corporation, A Govt. of India undertaking of Ministry of Social Justice and Empowerment, to extend Skill Development Training to 1500 Persons with Disabilities across 17 states and 49 districts with placements of over 80% beneficiaries.

In the year 2015-16, GAIL is setting up a Multi-Sensory Therapy Unit at a Special School cum Autism Centre in Vadodara (Gujarat), computer lab for children with special abilities in Jhabua (Madhya Pradesh) in addition to providing additional accommodation and dining hall to differently abled children in Tumkur (Karnataka).

GAIL has also partnered to provide special aids and equipment to differently abled students studying in *Ummeed Asha Kiran* Schools.

GAIL in partnership with Artificial Limbs Manufacturing Corporation is organizing 04 camps to supply aids and assistive devices to Persons with Disabilities in Auraiya (Uttar Pradesh), Guna (Madhya Pradesh), Cuttack (Odisha) and East Godavari (Andhra Pradesh).

Year wise Spending in CSR

(in Rs. lacs.)*

S.N	Name of the Programme	2014-15 (Actual) as on 25.02.2016	2015-16 (Actual) as on 25.02.2016
1	***Ujjawal***– Education initiatives	600.32	292.41
2	***Kaushal***- Livelihood Generation and Skill development initiatives	826.77	754.69
3	***Arogya***- Nutrition, Health and Sanitation and Drinking Water projects	1046.06	645.08
4	***Unnati***-Rural Development	863.92	4090.64
5	***Sashakt***- Women Empowerment initiatives	243.01	27.34
6	***Saksham***- Care of the elderly and differently abled	63.00	69.87
7	***Harit –***Environment Centric Initiatives	0.00	0.00
8	***Swachha Bharat Abhiiyan,i/c Swachha Bharat SwachhaVidyalaya***	2664.00	1353.79
9	Others	16.17	185.46
	Total	**6323.251**	**7419.282**

*Updated as per available records in the Department

Notes

1. Expenditure for CSR projects approved in FY 2014-15 as on 25.02.2016
2. Expenditure for CSR projects approved in FY 2015-16 as on 25.02.2016
3. CSR budget is non-lapsable in nature and unspent allocation/commitment is carried forward to subsequent years.
4. Payments for CSR projects are released as per project milestones and often extend beyond the respective financial year of approval. Hence the expenditure figures given for projects in a particular FY may vary at different points in time as per release of payment against identified milestones.

GAIL (INDIA) LIMITED

Annexure-A

FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Item	Unit	2014-15 Actuals	2015-2016 BE	2015-2016 RE	2015-16 Actuals Apr 15 - Dec 15	2016-17 BE	Remarks
1	Sales (Net of ED)	Rs/Crs	56,337	64,246	50,178	39,647	49,195	
2	Cost of Sale	Rs/Crs	51,763	58,802	47,248	36,732	45,807	
3	Cost of Sale As % Age of Sale	%	92%	92%	94%	93%	93%	
4	Total Cost of Production/ Transport	Rs/Crs	8,352	10,069	7,548	4,465	8,205	
5	Total Sale Value of Prodn/Transport	Rs/Crs	10,458	12,515	7,976	4,635	9,230	
6	Total Cost of Production/Transport as % of total Value of Production	%	80%	80%	95%	96%	89%	
7	Value Added Per Employee	Rs/Crs	1.07	1.21	0.66	0.68	0.74	
7	A) Total Value Added	Rs/Crs	4,575	5,444	2,930	2,915	3,388	
8	Ratio of Net Profit After Tax to Net Worth	%	10.52%	9.23%	4.13%	5.05%	4.84%	
9	Ratio of Gross Margin to Capital Employed	%	13.38%	19.65%	12.34%	8.38%	13.55%	
10	Number of Employees on Roll	Nos	4,266	4,500	4,456	4,285	4,554	
11	Total Salary Paid	Rs/Crs	906	1,093	1,031	769	1,069	
12	A) Total Fixed Cost	Rs/Crs	976	1,166	1,135	809	1,155	
	B) Total Variable Cost	Rs/Crs	50,787	57,636	46,113	35,923	44,652	
13	Maintenance & Repairs	Rs/Crs	492	573	583	359	638	
14	Expenditure on Travelling	Rs/Crs	98.00	129.31	113.07	76.86	120.04	
15	Expenditure on Entertainment	Rs/Crs	0.27	11.03	11.76	0.39	12.56	
16	Contribution to Central Govt. Exchequer							
	A) Dividend Incl. Div. Tax	Rs/Crs	837	1,009	431	291	311	
	B) Sales Tax	Rs/Crs	-	-	-	-	-	

GAIL (INDIA) LIMITED

Annexure-A

FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Item	Unit	2014-15 Actuals	2015-2016 BE	2015-2016 RE	2015-16 Actuals Apr 15 - Dec 15	2016-17 BE	Remarks
	C) Excise Duty	Rs/Crs	463	923	653	216	819	
	D) Customs Duty	Rs/Crs	391	484	308	291	380	
	E) Others Incl. Corp.Tax	Rs/Crs	1,221	1,278	469	657	604	
17	Contributions to State Govt.							
	A) Sales Tax	Rs/Crs	2612	2732	2326	1748	2281	
	B) Others	Rs/Crs	265	263	236	237	231	
18	Total Gross Internal Resources generated (Retained Profit after Dividend+ Depreciation)	Rs/Crs	3,098	3,582	1,993	2,110	2,622	
19	Net Internal Resources Avail. for Plan excluding opening Cash	Rs/Crs	149	1,967	1,012	671	101	
20	Approved Plan Outlay	Rs/Crs	3,105	2,705	1,799	2,069	1,637	
21	Actual Plan Expenditure	Rs/Crs	1,632	NA	NA	964	NA	
22	Reasons for shortfall in expenditure compared to approved outlay							
23	Profit Before Tax (Aft Interest & Depn.)	Rs/Crs	4,284	4,097	1,693	2,233	2,084	
24	Tax Provision	Rs/Crs	1,245	1,278	469	704	604	
25	Profit After Tax & Before Div.	Rs/Crs	3,039	2,819	1,224	1,529	1,480	
26	Inventories at the Close of the Year							
	A) Value of Inventory of Raw Material Stores spare	Rs/Crs	739	734	782	782	782	
	B) Value Of Inventory of Finished Goods	Rs/Crs	1,342	2,474	1,024	1,002	1,122	
	Value of Total Inventory (A+B)	Rs/Crs	2,081	3,209	1,807	1,785	1,905	

INDIAN OIL CORPORATION LIMITED

6.5.1 INTRODUCTION

Indian Oil Corporation Limited was formed on 1st September 1964, following the merger of Indian Oil Company Ltd. (incorporated in 1959) and Indian Refineries Limited (established in 1958). The company acquired the refining and distribution operations of the Assam Oil Company Limited in October 1981.

The authorized capital of Indian Oil Corporation Ltd. (IOCL) is Rs. 6000.00 crore. The paid-up capital was Rs. 2427.95 crore as on 31.3.2015. The Government of India's shareholding in IOCL as on 31.3.2015 was 68.57%.

IOCL is a major, diversified, transnational, integrated energy company, with national leadership and a strong environment conscience, playing a national role in oil security and public distribution.

The main activities of the Corporation have been divided amongst Divisions as follows:

DIVISION	ACTIVITIES
Refineries	Refining of crude oil
Pipelines	***Transportation of crude oil and finished petroleum products***
Marketing	Marketing of petroleum products
IBPBD	Cryogenics and Explosives (The Petroleum business has been merged with IOC)Marketing of Petrochemicals & Gas and Exploration & Production

The Refineries, Pipelines and Marketing Divisions are headed by Functional Directors. IBP Division (Cryogenics & Explosives) and BD Division are under Director (Planning and Business Development).

Additionally, a full-fledged R&D Centre was established at Faridabad in 1972 for improving the refining process to conserve oil and for development/improvement of lubricants/petroleum products. It is headed by a Functional Director.

6.5.2 PHYSICAL PERFORMANCE

a) REFINERIES

IOCL owns nine refineries located at Guwahati, Barauni, Vadodara, Haldia, Mathura, Digboi, Panipat, Bongaigaon and Paradip. Refineries at Guwahati, Digboi and Bongaigaon process indigenous crude while those at Haldia and Barauni process imported crude. Vadodara, Mathura, Panipat and Paradip refineries process both indigenous and imported crudes. The crude throughput of the refineries during 2014-15 and April-December'15 was 53.59 MMT and 41.68 MMT respectively. Estimated crude throughput during 2015-16 and 2016-17 is 57.51 MMT and 62.25 MMT respectively.

b) PIPELINES

Pipeline throughput is given below:

(MMT)

2014-15 Actual	2015-16 RE(Estimated)	Apr-Dec'15 Actual	2016-17 BE(Estimated)
75.684	76.654	59.429	73.330

C) MARKETING AND DISTRIBUTION

SALES

The product sales (including gas, petrochemicals and exports) of IOCL during 2014-15 and April-December'15 were 76.51 MMT and 59.15 MMT. The estimated product sales (including gas, petrochemicals and exports) for the year 2015-16 and 2016-17 are 75.43 MMT and 75.60 MMT respectively.

RESEARCH AND DEVELOPMENT

The company's world class R&D Centre is perhaps Asia's finest. Besides doing pioneering work in lubricants formulation, refinery processes, pipeline transportation and alternative fuels such as bio-diesel, the Centre is also the nodal agency of the Indian Hydrocarbon sector for ushering in Hydrogen fuel in the country.

6.5.3 FINANCIAL PERFORMANCE

a) PLAN OUTLAY AND EXPENDITURE

The details of plan expenditure and outlay are as follows:

(Rs. crore)

2014-15 Actual	2015-16 RE	Apr-Dec'15 Actual	2016-17 BE
14314	11503	6962	13773

b) GENERATION OF INTERNAL RESOURCES

The internal resources i.e. retained profits (PAT minus dividend and dividend tax) plus depreciation are given below:

(Rs. crore)

2014-15 Actual	2015-16 RE	Apr-Dec'15 Actual	2016-17 BE
7873	9820	11010	9659

The Corporation has plans to finance the plan outlay through internal resources/external borrowings and no budgetary support will be needed from Government.

c PROFITABILITY

The position regarding profit before tax, tax provision and profit after tax of the company is given in the following table:

(Rs. crore)

	2014-15 Actual	2015-16* RE(Provisional)	Apr-Dec'15 Actual	2016-17* BE(Provisional)
Turnover	450756	405389	302508	309480
Profit before Tax	7995	12050	13625	9377
Profit after Tax	5273	7880	9163	6132

*It may be noted that above profitability is provisional and may undergo change due to factors such as fluctuations in the prices of Crude oil, variation in foreign exchange rate, under recoveries and relevant compensation etc.

a) GENDER BUDGETING

IndianOil ensures that no distinction/ discrimination in the matter of facilities/developmental schemes is made between male and female employees in the organization. The working environment of IndianOil is conducive for women employees. It enables them to contribute their best in a free and open atmosphere. Indian Oil employees at all levels enjoy equal opportunities for growth and development without any distinction between male and female employees. Women employees have opportunities for creation of financial security and economic empowerment at par with the male employees. Focussed training is imparted to women employees to create awareness about issues such as Financial Security, Income Tax Act, Development etc.

a) Out of 33,227 employees as on, 30.12.2015 the number of women employees is 2650, which works out to 7.97%. Out of this, 1446 (about 54.56 %) of the women employees are in the executive cadre at various levels. Women now constitute 9.05% of total executive workforce in the Corporation.

b) The Corporation has provided following leaves specifically for women employees:

Maternity Leave

Female employees are allowed maternity leave with pay for a period upto 180 days (for first two living children) from the date the employee desires to proceed on leave before date of delivery or from the date of actual confinement. For subsequent occasions, the maternity leave is granted for a period of 90 days. Maternity leave for a period not exceeding 6 weeks may also be granted in case of miscarriage or abortion, subject to conditions under Rules.

Child Adoption Leave

Female employees who are having less than two surviving children and who adopt a child are entitled to Child Adoption leave with pay for a period upto 180 days in order to facilitate them to take care of the adopted child who is within the age limit of one year.

Child Care Leave: Female employees are granted Child Care Leave in continuation of Maternity Leave or otherwise till the child attains the age of 3 years for a period not exceeding 2 years during the entire service career but in spells of not less than a month. They may avail this facility on not more than 4 occasions. During this leave period, women employees are entitled to draw medical reimbursement in respect of her dependents and herself as well as accommodation facility/HRA provided she stays at the station of posting. This not only enables women employees to take better care of their infants but also ensures continuity of their employment in IOC.

Special leave to join their husbands at outstation/abroad: A female employee whose husband has been transferred/posted to another location in India or abroad is granted special leave without pay for a period of not exceeding three years during the entire service career. This leave may be availed in a spell not less than one month for a maximum of three occasions during the entire service.

c) Indian Oil also provides adequate facilities to its women employees and encourages them to undertake leadership roles. Host of training programmes are conducted exclusive for women employees focusing on their special needs, some of which are listed below:

Healthy living for female employees (the programme includes Yoga/Meditation/1 day Lecture by a Dietician and Gynecologist)

Work-life Balance and Excellence at Workplace

Health Check-up camps for women employees

Programs are also organized as part of celebration of the International Women's Day on 8th March.

Women in Leadership Role

d) WIPS Cell – Under the forum of Women in Public Sector, the cell is functioning across all Divisions of IOCL for promoting holistic growth and development of women in Public Sector and playing a catalytic role in improving the status of women in PSUs. The Cell provides focused training to women employees based on special needs of women employees. Some these programmes focus on their dual roles, others on integration with the organization and Women Empowerment, Leadership etc.

e) Prevention of sexual harassment of women employees at workplace: Guidelines regarding Prevention of Sexual Harassment of Women Employees at Workplace were conveyed to all Divisions of Indian Oil Corporation Limited vide Inter Office Memo No. DP/4/32 dated 06.02.2014. The guidelines also included duties of employer under Section 19 of the The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013. In accordance with the guidelines issued, Workshops/Awareness Programmes at regular intervals for sensitising the employees with the provisions of the Act and orientation programmes for the members of the Internal Complaint Committee have been organized by all the Divisions.

f) Women employees also enjoy all social security benefits, which are available to male employees without gender bias.

ANNEXURE-B

INDIAN OIL CORPORATION LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Items	Unit	2014-15 (Actual)	2015-16			2016-17	Remarks
				Budget Estimate*	Revised Estimate (Prov.)	Apr-Dec'15 Actual	Budget Estimate (Prov.)	
1	2	3	4	5	6	7	8	9
1.	Sales & Other Income	₹ /Crs.	471055.26	407523.78	415539.21	310509.91	314690.15	
2.	Cost of Sales	₹ /Crs.	463059.97	401791.66	403489.27	296884.98	305313.52	
3.	Cost of sales as % of sales	%	98.30	98.59	97.10	95.61	97.02	
4.	Total cost of Production	₹ /Crs.	252636.71	222066.58	192041.12	131370.64	133673.26	
5.	Total value of Production	₹ /Crs.	245091.29	221277.57	204464.25	138357.50	140542.68	
6.	Total cost of production as % of total value of production	%	103.08	100.36	93.92	94.95	95.11	
7.	Value added per employee	₹/Lacs	69.97	79.71	85.86	74.31	89.34	
8.	Total value added	₹ /Crs.	23064.00	27141.37	28324.66	24689.98	29525.15	
9.	Ratio of Net Profit after tax to networth	%	7.76	5.55	10.79	12.20	7.97	
10.	Ratio of Gross Margin (Profit before Tax)to capital employed	%	9.92	5.28	11.14	15.95	8.98	
11.	PRODUCTIVITY (Refining operations) :							
	-Input/Output Ratio		91.21%	90.53%	91.21%	91.43%	90.34%	
	-Cost of Input Per operational employee	₹ /Lacs	2628.25	2098.13	1938.05	1334.20	1179.92	
	-Value of output per operational employee	₹ /Lacs	2646.77	2176.43	2190.77	1490.28	1370.21	
	-Capital Output Ratio	Times	0.61	0.48	0.48	0.59	0.54	
12.	Total Salary Paid :							
	-Direct Wages	₹/Crs.	7104.78	8600.39	8500.00	5691.76	9600.00	
13.	Utilities Consumed :							
	-Electricity	₹/Crs.	349.53	409.42	430.19	289.87	499.91	
	-Fuel	₹ /Crs.	9332.67	9714.13	7537.84	5181.87	5734.14	
	-Other Items	₹ /Crs.	8.32	10.08	9.95	6.22	12.09	
			9690.52	10133.63	7977.98	5477.96	6246.14	
14A.	Total Fixed Cost	₹ /Crs.	13121.12	16017.47	15423.59	10116.35	17717.72	
	B. Total Variable Cost	₹ /Crs.	435360.19	376041.37	379116.69	283531.46	279969.46	
15.	Repairs & Maintenance	₹ /Crs.	2788.67	3721.35	3603.77	2229.49	4527.49	
16.	Expenditure on Travelling	₹ /Crs.	481.32	587.51	546.52	368.94	632.97	

ANNEXURE-B

INDIAN OIL CORPORATION LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Items	Unit	2014-15 (Actual)	2015-16			2016-17	Remarks
				Budget Estimate*	Revised Estimate (Prov.)	Apr-Dec'15 Actual	Budget Estimate (Prov.)	
1	2	3	4	5	6	7	8	9
17.	Expenditure on Entertainment	₹ /Crs.	2.76	3.11	3.45	2.12	4.08	
18.	Total Overtime as % of wage bill	%	4.25	4.56	4.43	4.20	4.39	
19.	Contribution to Central Exchequer							
	-Cess ' /Crs.							
	-Royalty	₹ /Crs.						
	-Dividend (Cash Basis)**	₹ /Crs.	1448.52	0.00	1720.80	938.62	932.00	
	-Service Tax	₹ /Crs.	405.25	302.40	428.51	316.58	446.48	
	-Excise Duty	₹ /Crs.	30633.38	27810.13	50013.32	33594.31	56659.12	
	-Custom Duty	₹ /Crs.	1098.81	1127.01	3409.12	2643.70	3573.08	
	-Income Tax (Incl. Dividend Tax.)	₹ /Crs.	2603.60	1050.00	3750.00	2366.53	3324.00	

** Dividend considered on cash basis. The Govt holding in equity was 58.57% for the purpose of final dividend payment for FY 2014-15 in FY 2015-16 as well interim dividend payment in FY 2015-16.

ANNEXURE-B

INDIAN OIL CORPORATION LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Items	Unit	2014-15 (Actual)	2015-16			2016-17	Remarks
				Budget Estimate*	Revised Estimate (Prov.)	Apr-Dec'15 Actual	Budget Estimate (Prov.)	
1	2	3	4	5	6	7	8	9
20.	Contribution to State Govt.							
	-Sales Tax	₹ /Crs.	58361.47	64569.33	61985.97	43544.73	65084.66	
	-Others(entry tax/Octroi etc.)	₹ /Crs.	3774.40	4542.74	6133.05	3349.20	5152.76	
21.	Number of Employees		32962	34049	32989	33227	33049	
22.	Total Gross Internal Generation (PAT-Dividend & Dividend Tax +Depreciation)	₹ /Crs.	7873.02	8853.84	9819.86	11009.74	9659.20	
23.	Net Internal and External Resources for Plan expenditure	₹ /Crs.	14313.68	10409.00	11502.91	6961.82	13772.87	
24.	Approved Plan Outlay	₹ /Crs.		10409.00	11502.91		13772.87	
25.	Actual Plan expenditure	₹ /Crs.	14313.68			6961.82		
26.	Reasons for Shortfall in : Plan expenditure :							
27A.	Foreign exchange Budget Allocation :	NOT APPLICABLE						
	-Material/Equipment							
	-Services							
	-Others							
B.	Foreign Exchange utilisation							
	-Crude & Finished Products							
	-Material/Equipment							
	-Services							
	-Others							
28.	Profit before tax	₹/Crs.	7995.29	5732.12	12049.94	13624.93	9376.63	
29.	Tax Provision (incl. Deferred Tax & MAT)	₹ /Crs.	2722.26	1948.00	4170.24	4461.54	3245.06	
30.	Profit after tax	₹/Crs.	5273.03	3784.12	7879.70	9163.39	6131.57	
31.	Inventories at the close of the year :							
	-Raw material	₹ /Crs.	15938.41	21058.00	13853.90	15207.74	13853.90	
	-Stores & Spares		3704.49	3500.00	3800.00	3766.10	3800.00	
	-Raw material inventory in	Days	28	38	30	24	44	

ANNEXURE-B

INDIAN OIL CORPORATION LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Sl. No.	Items	Unit	2014-15 (Actual)	2015-16			2016-17	Remarks
				Budget Estimate*	Revised Estimate (Prov.)	Apr-Dec'15 Actual	Budget Estimate (Prov.)	
1	2	3	4	5	6	7	8	9
	terms of mandays' consumption							
	-Finished goods	₹ /Crs.	21758.93	24979.00	22241.62	23476.97	22658.86	
	-Semi-Finished Goods	₹ /Crs.	4142.02	5463.00	3554.28	3819.26	3554.28	
	Value of total inventory	₹ /Crs.	45543.85	55000.00	43449.80	46270.07	43867.04	
	-Finished goods as % of Sales & Other Income	%	4.62	6.13	5.35	7.56	7.20	

** as submitted in last year Outcome Budget*

INDIAN OIL CORPORATION LIMITED ANNEXURE - A

ACHIEVEMENTS VIS-A-VIS TARGETS : 2014-15 & 2015-16 (RE) AND PROJECTED TARGETS 2016-17 (BE)

Description	Unit	2014-2015		2015-16						2016-17
		Target B.E.	Perfo-rmance	Target* (B.E.)	Apr-Dec		Jan-March16		Projected Target (R.E.) (Provi-sional)	Projected Target (B.E.) (Provi-sional)
					Target	Perfor-mance	Target	Proj-ected		
1	2	3	4	5	6	7	8	9	10	11
PHYSICAL TARGET :	MMT									
1. CRUDE T'PUT										
- Guwahati		0.995	1.006	0.980	0.763	0.741	0.217	0.203	0.944	0.936
- Barauni		6.167	5.944	5.880	4.484	4.910	1.396	1.619	6.529	5.319
- Gujarat		12.931	13.285	12.838	9.560	10.185	3.278	3.683	13.868	12.314
- Haldia		7.659	7.650	7.546	5.689	5.757	1.857	2.107	7.864	7.585
- Mathura		8.256	8.516	8.036	6.165	6.535	1.871	2.276	8.811	8.176
- Panipat		15.020	14.191	14.700	11.110	11.283	3.590	3.929	15.212	14.775
- Bongaigaon		2.338	2.403	2.303	1.739	1.848	0.564	0.640	2.488	2.216
- Paradeep		2.500	-	4.410		0.000	4.410	1.200	1.200	10.342
- Digboi		0.647	0.591	0.637	0.487	0.416	0.150	0.174	0.590	0.591
Total		**56.512**	**53.586**	**57.330**	**39.997**	**41.675**	**17.333**	**15.831**	**57.506**	**62.254**

INDIAN OIL CORPORATION LIMITED ANNEXURE - A

ACHIEVEMENTS VIS-A-VIS TARGETS : 2014-15 & 2015-16 (RE) AND PROJECTED TARGETS 2016-17 (BE)

Description	Unit	2014-2015		2015-16						2016-17
		Target B.E.	Perfo-rmance	Target* (B.E.)	Apr-Dec Target	Apr-Dec Perfor-mance	Jan-March16 Target	Jan-March16 Proj-ected	Projected Target (R.E.) (Provi-sional)	Projected Target (B.E.) (Provi-sional)
1	2	3	4	5	6	7	8	9	10	11
Commissioning of ROs :										
- Marketing	NO.	1563	947	1550	1163	569	387	633	1202	1150
LPG Customer enrolment :										
- Marketing	NO./LACS	80.00	72.60	75.00	56.25	73.00	18.75	27.00	100.00	120.00
Commissioning of LPG Distributorships :										
- Marketing	NOs.	540	250	600	450	373	150	95	468	302
FINANCIAL TARGETS :	₹ /CRS.									
- Sales & Other income		503833.47	471055.26	407523.78	305642.84	310509.91	101880.95	105029.30	415539.21	314690.15
- Profit before tax		4309.18	7995.29	5732.12	4299.09	13624.93	1433.03	-1574.99	12049.94	9376.63
- Corporate taxation		1339.91	2722.26	1948.00	1461.00	4461.54	487.00	-291.30	4170.24	3245.06
- Profit after tax		2969.27	5273.03	3784.12	2838.09	9163.39	946.03	-1283.69	7879.70	6131.57

HINDUSTAN PETROLEUM CORPORATION LIMITED

6.6.1 INTRODUCTION

Hindustan Petroleum Corporation Limited (HPCL) is a Government of India Enterprise incorporated in 1974 after the takeover and merger of Erstwhile Esso Standard and Lube India Limited. Caltex Oil Refining (India) Ltd. was taken over by Govt. of India in 1976 and merged with HPCL in 1978. Kosan Gas Company was merged with HPCL in 1979.

The Company is engaged in refining of crude and marketing of petroleum products. It has two refineries producing a wide variety of petroleum products – fuels, lubricants and specialty products; one in Mumbai (West Coast) having a capacity of 6.5 MMTPA and the other in Visakhapatnam (East Coast) with a capacity of 8.3 MMTPA. HPCL has also 9 MMTPA Greenfield refinery at Bathinda in Joint Venture with Mittal Energy Investments Pte Limited, Singapore. The Corporation holds an equity stake of 16.95% in Mangalore Refinery & Petrochemicals Limited,. HPCL has also formed a subsidiary company, HPCL Rajasthan Refinery Limited, to set up a 9 MMTPA Greenfield Refinery cum petrochemical Complex at Barmer, Rajasthan wherein Govt. of Rajasthan is 26% partner. HPCL has been globally recognized and ranked at

327 in Fortune Global 500 (2015) Companies

133 in Platts Top 250 Global Energy Companies (2015)

1247 in Forbes Global 2000 (2015)

The paid up capital of the Company is Rs. 338.63 crores and the Government of India holds 51.11% of the equity.

6.6.2 Physical Performance

The achievements during the year 2014-15, 2015-16 and the target set for 2016-17 are as follows:

Performance Parameters	2014-15Actual	2015-16April to Dec.15	2016-17Targets
Refinery Throughput (MMT)	16.18	12.53	16.27
Capacity utilisation (%)	109	113	110
Market Sales (MMT) *	31.95	25.16	32.41

*including Export

6.6.3 Plan Outlay / Expenditure (Including investments in JV's):

Plan outlay and expenditure for the years 2014-15, 2015-16 and the budgeted Plan outlay for the year 2016-17 is as follows:

				(Rs. Crs.)
2014-15 Actual	BE	2015-16 RE	Actual (Prov.) Upto Dec 15	2016-17 BE
1767.28	1791.85	1539.78	1081.38	1974.26

a) Generation of Internal Resources:

Gross Internal Resource generated (excluding sale of Oil Bonds) during 2014-15 were Rs. 3901 crores as compared to Rs 3618 crores in 2013-14. The revised plan outlay for the year 2015-16 is Rs. 1539.78 crores and proposed plan outlay for the year 2016-17 is Rs. 1974.26 crores, is proposed to be met out of internal resources, borrowings from OIDB and, ECB..

6.6.4 Financial Performance:

The Gross Turnover for the period April to December 15 is Rs.149643 crs. Net profit for the period is Rs.2309.80 crs. Which is 305% higher than the net profit for the corresponding period (Rs.570.87crs.) of the previous year. Gross Refining Margin stands at 6.35 US$/bbl, against 1.04 US$/bbl, for the corresponding period of the previous year

6.6.5 Gender Budgeting:

1. Environment at workplace:

HPCL ensures to create an environment suitable for women employees. Various Statutory as well as Non-statutory Committees for different areas have been constituted. These include the statutory Committee on Workshop and Safety, and other committees like Plant Committees, Shop Floor Committees, Union-Management Committees, Club Committees etc. In all the committees women employees are given equal opportunities and they are involved in decision making.

2. Number of women employees:

The group wise data of women employee vis-à-vis total no. of employees (as of 31.12.2015) are as below:

Job Group	Total Employee	Women Employee
Management	5574	526
Clerical	1440	325
Labour	3625	24
Grand Total	10639	875

3. Recruitment & Promotion:

HPCL has Pan India presence, making a big difference to millions of lives across the country. People from diverse background are recruited which promotes a highly diverse culture in the organization. HPCL policies are aimed at ensuring equal opportunities to all the citizens in employment. We follow Presidential directives in Recruitment. In HPCL, there is no gender discrimination in recruitment and promotions. Professional and technical officers are recruited from premier institutes and through open advertisements. The Corporation has implemented various initiatives to promote workforce diversity such as Yuvantage, Samavesh etc. Women are also present at various leadership positions in the corporation.

4. Training:

HPCL imparts Technical/Functional / Behavioral training based on training assessment as part of individual/ organizational development plan. Women employees are covered extensively for training significantly in programs with specific emphasis on Leadership, Strategy Building, Increasing professional efficiency, Work Life Balance and Up gradation of skills etc. A total of 731 women employees have attended various training programs during April 2015 to December 2015.

HPCL has a large workforce of women who are ambitious, competent and achievement oriented. To support the career aspirations of women employees, focus on development & upgrade skills in systematic manner company organizes various programs that promote and enhance gender equality at workplace. HPCL is a "Corporate Life Member" of WIPS (Women in Public Sector) and has always actively supported WIPS activities. The following women-centric practices are followed at HPCL:

WIPS (Women In Public Sector forum):

HPCL encourages its women employees to be a part of WIPS and get updates on women related issues.

Training Programs:

Customized training programs are conducted viz "Women Empowerment" (theme of empowering women in their professional life), "Stress Management for Women employees" (for handling stress and maintain health due to dual responsibilities at work as well as managing home).

Women of Will (WoW) – An Empowerment Program:

HPCL has a large workforce of women who are ambitious and capable and in order to leverage their competencies towards high performance resulting into desired business results, it is important to focus on full utilization and development of female talent pool. Supporting the career aspirations of women in an increasingly demanding marketplace and capitalizing on their potential has become a business imperative.

5. Welfare Schemes:

HPCL has various welfare schemes for the women employees of the Corporation such as Medical Benefit

Insurance Policy (MBIP) and Group Personal Accident Insurance Policy (GPAIP). Under MBIP, women employees are covered for self, spouse, children upto the age of 30 years if not gainfully employed and dependent parents. Women employees are allowed 135 days as Maternity Leave and 6 weeks for Miscarriage. Adoption leave of 45 days and Surrogacy leave of 45 days are also granted to female employees.

HPCL has always been very progressive in its employee friendly policies. Child Care Leave (CCL) was introduced effective 01 February 2015, with a view to facilitate female employees to take care of their children during early childhood. Maximum leave of 730 calendar days can be taken by female employees during their entire service to take care of their infants (upto the age of 5 years).

HPCL also organizes seminars / talk on pre-cancer check-up, Osteoporosis, gynaec, eye treatment, stress management etc. Periodical medical check-up is arranged once in three years for employees up to 40 years of age, once in two years for employees between 40 to 50 years and every year for employees who are 50 & above. HPCL has also set up Health Club for the benefit of women employees.

6. Benefits:

Apart from the above, Corporation also provides Housing Loan, Vehicle Loan, Furniture Advance, Guest House facility, Merit / Service Award, Family Planning Incentive Scheme, Leave Fare Assistance (LFA), Provision of Residential Personal Computers, Merit Award for Children etc. Further, Corporation has provided residential accommodation to the women employees on need basis and some residential accommodations are provided with recreational facilities such as club, swimming pool, gymnasium, auditorium, playground, children parks etc.

7. Special Component Plan/Corporate Social Responsibility (CSR):

HPCL has always been committed to the cause of upliftment of SC/ST/OBC/PWD/Women and economically weaker sections of society. Myriad activities are implemented under the Special Component Plan and Corporate Social Responsibility by the corporation under the focus areas Child Care, Education, Health Care, Skill Development, Sports, Environment and Community Development. Under CSR, the Swacch Bharat Abhiyan, has sensitized all employees of the corporation and witnessed their participation in the efforts of keeping clean the workplaces as well as surrounding community.

8. Projects implemented specially for girl Child/Women:

Women and young girls are an extremely vulnerable and discriminated section of our society. Realising this, the CSR and SCP initiatives of the corporation endeavour to focus on women and girls in all the major activities and projects implemented. Project Nanhi Kali focuses on Girl Child Education in both rural as well as Urban slum areas by providing a holistic support to the child in terms of material, academic as well as social support. Project Unnati for computer awareness in semi-urban schools, Project Swavalamban for skill development of marginalized youth and Project “Dil Without Bill” for free heart surgeries also ensures that special focus is given to include girls/women beneficiaries. Project Rural Health Programme which provides healthcare through Mobile Medical Vans, and Project Mid-Day Meal have also addressed the health and nutrition needs of women and girls who are otherwise mostly neglected at homes.

HINDUSTAN PETROLEUM CORPORATION LIMITED

ANNEXURE-A

ACHIEVEMENTS VIS-A-VIS TARGETS 2014-2015 & 2015-2016 AND PROJECTED TARGETS 2016-17

Sl. No.	Description	Unit	2014-2015 Target (BE)	2014-2015 Performance	2015-16 Target (BE)	2015-16 4/12-12/12 Actual	2015-16 Apr.-March (Anticipated Performance)	2016-17 Projected Target
1.	2.	3.	.4	5.	6.	7.	8.	9
1	PHYSICAL							
	Crude Thruput	Million Tonnes						
	a) Mumbai Refinery		**7.00**	**7.41**	**7.00**	**5.79**	**7.79**	**7.50**
	b) Visakh Refinery		**9.00**	**8.77**	**9.00**	**6.74**	**9.09**	**9.00**
	New Retail Outlets	Nos.	**350**	**380**	**750**	**372**	**500**	**500**
	LPG Customers	in lakhs	**30.00**	**41.90**	**25.00**	**38.90**	**50.00**	**35.00**
	New LPG Distributorships	Nos.	**200**	**525**	**250**	**246**	**300**	**200**
2	FINANCIAL							
	Sales realisation (Gross) *	Rs./Cr.	**224,758.41**	**217,061.11**	**235,125.68**	**149,421.96**	**185,572.82**	**173,637.05**
	Profit/(Loss) before tax (PBT)	- do -	**553.30**	**4,154.12**	**932.53**	**3,535.59**	**3,848.27**	**1,875.43**
	Profit/(Loss) after tax	0.00	**365.23**	**2,733.26**	**615.59**	**2,309.80**	**2,516.46**	**1,226.38**

NAME OF THE PSU : HINDUSTAN PETROLEUM CORPORATION LIMITED

ANNEXURE-B

Financial Efficiency Parameters

Sl. No.	Item	Unit	2014-2015 (Actuals)	2015-16 Budgeted (BE)	2015-16 4/12-12/12 (Actual)	2015-16 April-Mar (RE)	2016-17 (Projected) B.E.
1.	2.	3.	.4	5.	6.	7.	8.
1	Sales Realisation	Rs./Crores	**217,061.11**	**235,125.68**	**149,421.96**	**185,572.82**	**173,637.05**
2	Cost of Sales	Rs./Crores	**212,907.00**	**234,193.21**	**145,886.37**	**181,724.55**	**171,761.63**
3	Cost of Sales as %-age of net sales	%	**98.09**	**99.60**	**97.63**	**97.93**	**98.92**
4	Total cost of production	Rs./Crores	**58,297.59**	**72,000.62**	**34,291.21**	**42,184.53**	**38,043.70**
5	Total value of production	Rs./Crores	**72,313.22**	**85,531.66**	**46,492.72**	**58,687.15**	**54,059.31**
6	Total cost of production as %-age of value of production	%	**80.62**	**84.18**	**73.76**	**71.88**	**70.37**
7	Value added per employee	Rs./Lakhs	**137.69**	**137.77**	**125.05**	**168.04**	**164.08**
7A	Total Value Added	Rs./Crores	**14,830.77**	**14,824.00**	**13,319.96**	**17,852.52**	**17,577.12**
8	Profit after tax to Average Net Worth	%	**17.61**	**3.94**	**13.52**	**14.96**	**6.81**
9	Gross margin (Profit Before Tax) to Capital Employed.	%	**13.12**	**2.91**	**10.30**	**11.88**	**5.36**
10	PRODUCTIVITY						
	(a) Input output ratio		**1.24**	**1.19**	**1.36**	**1.39**	**1.42**
	(b) Cost of input per employee	Rs./Lakhs	**541.22**	**669.15**	**321.92**	**397.07**	**355.13**
	(c) Value of output per employee	Rs./Lakhs	**671.34**	**794.90**	**436.47**	**552.40**	**504.64**

NAME OF THE PSU : HINDUSTAN PETROLEUM CORPORATION LIMITED

ANNEXURE-B

Financial Efficiency Parameters

Sl. No.	Item	Unit	2014-2015 (Actuals)	2015-16 Budgeted (BE)	2015-16 4/12-12/12 (Actual)	2015-16 April-Mar (RE)	2016-17 (Projected) B.E.
1.	2.	3.	.4	5.	6.	7.	8.
	(d) Capital output ratio		**2.28**	**2.67**	**1.35**	**1.81**	**1.55**
11	TOTAL SALARY PAID	Rs./Crores	**2414.66**	**2447.83**	**1853.87**	**2464.17**	**2702.59**
12	**UTILITIES CONSUMED**	Rs./Crores					
	(a) Electricity		**650.93**	**641.09**	**543.63**	**834.56**	**867.95**
	(b) Other items		**35.91**	**40.54**	**35.69**	**46.73**	**60.78**
	(c) Total		**686.84**	**681.63**	**579.32**	**881.29**	**928.73**
13	(a) Total fixed costs (Excl. Deprn.)	Rs./Crores	**5,027.54**	**5,594.29**	**4,145.37**	**5,866.66**	**6,626.42**
	(b) Total variable costs	"	**931.04**	**1,080.15**	**740.98**	**1,121.07**	**1,294.89**
14	Maintenance and repairs	Rs./Crores	**1042.73**	**1320.71**	**656.63**	**1317.13**	**1487.12**
15	Expenditure on travelling	Rs./Crores	**179.39**	**150.90**	**130.63**	**184.73**	**214.13**
16	Expenditure on Entertainment	Rs./Crores	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
17	Total over time as %age of wage bill	%	**1.98**	**1.90**	**2.12**	**2.08**	**2.09**
18	Contribution to Central Govt. Ex-chequer		Rs./crores				
	(a) Cess on Crude Oil		-	-	-	-	-
	(b) Royalty		-	-	-	-	-
	(c) Dividend (including dividend tax)		**357.47**	**114.55**	**592.93**	**871.24**	**261.13**
	(d) Sales Tax		-	-	-	-	-
	(e) Excise Duty		**10,820.00**	**10,854.64**	**10,659.96**	**15,875.66**	**16,698.73**

NAME OF THE PSU : HINDUSTAN PETROLEUM CORPORATION LIMITED

ANNEXURE-B

Financial Efficiency Parameters

Sl. No.	Item	Unit	2014-2015 (Actuals)	2015-16 Budgeted (BE)	2015-16 4/12-12/12 (Actual)	2015-16 April-Mar (RE)	2016-17 (Projected) B.E.
1.	2.	3.	.4	5.	6.	7.	8.
	(f) Customs Duty		**242.49**	**343.72**	**348.47**	**421.67**	**378.06**
	(g) Others if any (Income Tax / Service tax)		**1,000.87**	**588.39**	**1,009.21**	**1,345.61**	**1,324.86**
19	Contribution to State Government	Rs./Crores					
	(a) Sales Tax		**27,126.63**	**26,136.36**	**20,973.42**	**26,047.69**	**24,372.34**
	(b) Others (Octroi)		**1,204.96**	**1,408.68**	**782.98**	**1,043.97**	**1,096.17**
20	Number of employees	Nos.					
	(a) Officers		**5409**	**5641**	**5573**	**5572**	**6000**
	(b) Clerical		**1476**	**1410**	**1440**	**1413**	**1335**
	(c) Labour		**3781**	**3702**	**3625**	**3597**	**3508**
	Total		**10666**	**10753**	**10638**	**10582**	**10843**
21	TOTAL GROSS INTERNAL RESOURCES GENERATED (Retained Profit+Depreciation+ Deferred taxes)	Rs./Crores	**3,901.1**	**2,707.7**	**4,301.2**	**4,117.8**	**3,656.6**
22	Net internal resources available for plan (including oil bond issue/redemption)	Rs./Crores	**524.26**	**579.20**	**374.89**	**468.82**	**546.91**
23	Approved plan outlay / Actual Plan Expenditure	Rs./Crores	**1,767.28**	**1,791.85**	**1,081.38**	**1,539.78**	**1,974.26**

NAME OF THE PSU : HINDUSTAN PETROLEUM CORPORATION LIMITED

ANNEXURE-B

Financial Efficiency Parameters

Sl. No.	Item	Unit	2014-2015 (Actuals)	2015-16 Budgeted (BE)	2015-16 4/12-12/12 (Actual)	2015-16 April-Mar (RE)	2016-17 (Projected) B.E.
1.	2.	3.	.4	5.	6.	7.	8.
24	Foreign Exchange outgo (actual payment) on account of materials, equipments, royalties, etc.	Rs./Crores	**43,451.95**	**41,828.97**	**27032.47**	**36017.92**	**35008.88**
25	Profit before tax (after interest & depreciation)	Rs./Crores	**4,154.12**	**932.47**	**3,535.59**	**3,848.27**	**1,875.43**
26	Tax provision	Rs./Crores	**1,420.86**	**316.94**	**1,225.79**	**1,331.81**	**649.05**
27	Profit after tax	Rs./Crores	**2,733.26**	**615.53**	**2,309.80**	**2,516.46**	**1,226.38**
28	Total value of imports incl. payment for royalties etc.	Rs./Crores	**43,451.95**	**41,828.97**	**27032.47**	**36017.92**	**35,008.88**
29	Total value of procurement from indigeous sources	Rs./Crores	**149,281.32**	**159,021.16**	**100,317.39**	**113,502.85**	**138,811.11**
30	Value of Inventories						
	a. Raw Materials, Stores & Spares	Rs./Crores	**2,872.50**	**5,394.98**	**2,631.60**	**2,295.91**	**2,295.91**
	b. Raw materials in terms of thruput	No. of days	**18**	**22**	**20**	**19**	**20**
	c. Finished Goods & Packages	Rs./Crores	**9,632.84**	**15,948.88**	**9,963.32**	**12,455.80**	**12,455.80**
	d. Semi Finished Goods	Rs./Crores	**449.58**	**1,071.88**	**401.76**	**475.61**	**475.61**
	Value of total Inventories (a+c+d)		**12,954.92**	**22,415.74**	**12,996.69**	**15,227.32**	**15,227.32**
	e. Finished Goods & packages as % of Gross Sales Realisation		**4.44**	**6.78**	**6.67**	**6.71**	**7.17**

BHARAT PETROLEUM CORPORATION LTD.

6.7.1 INTRODUCTION

Bharat Petroleum Corporation Ltd., (BPCL) a Government of India Undertaking, came into existence on 24th January, 1976 as a result of the Government of India acquiring Burmah-Shell Oil Storage & Distribution Company of India and Burmah-Shell Refineries Limited, which had started its operation in India in 1928. BPCL has been conferred with the Navaratna status in July 1997.

BPCL has refineries at Mumbai and Kochi with a combined refining capacity of 21.5 MMTPA. The Refineries are certified for ISO 9001, ISO 14001 and OHSAS 18001 reflecting the continuing commitment towards quality, environment, health & safety.

The refineries have maintained consistent production between turnarounds of operating units resulting in high capacity utilisation. Quality is the key thrust area in all aspects of operation of the refineries which has been achieved through continuous innovation and training.

Numaligarh Refinery Ltd (NRL), a wholly owned subsidiary of BPCL has set up a 3 MMTPA refinery at Numaligarh, Assam. The Refinery is one of the most technologically advanced and environment friendly refineries in the country. NRL markets products through its own network of retail outlets. The company has been conferred with a Miniratna (Category I) status.

Besides, BPCL's joint venture company Bharat Oman Refineries has set up a 6 MMTPA refinery at Bina, Madhya Pradesh. The refinery was inaugurated and dedicated to the nation by Hon'ble Prime Minister of India in May 2011.

The BPCL group including Numaligarh Refinery Ltd has a combined refining capacity of 30.5 MMPTA.

In order to have reasonable crude oil supply security, hedging of price risks and benefits of integrated supply chain in the volatile oil market and also to maintain its share in the energy market, BPCL has entered the upstream sector covering both Oil as well as Gas through the incorporation of a 100% Subsidiary Company 'Bharat Petro Resources Ltd' (BPRL) in 2006 for expeditious implementation of its investment plans in Exploration and Production.

BPRL has participating interests in 17 exploration blocks in consortium with various partners in India and abroad. BPRL has participating interest in these blocks directly / through wholly owned subsidiary companies.

Out of these 17 blocks, 7 are in India, 6 in Brazil, and 1 each in Mozambique, Indonesia, Australia and East Timor.

The Indian blocks were acquired under various NELP bid rounds and foreign blocks were acquired through the bidding/ farm in process. BPRL's total acreage till end January 2016 is about 24,300 sq km, of which about approx 88% is offshore. Also, BPRL has been categorized as a Schedule 'B' company by the Department of Public Enterprises.

BPCL has a robust distribution network comprising of 116 storage depots, 12 major installations, 50 LPG bottling plants, 2872 KM cross-country pipeline (including 292 KM pipeline set up by its joint venture company) and 2 lubricant blending plants.

The products are marketed through 13117 retail outlets, 4354 LPG distributors in the retail segments and 38 Aviation fuelling stations as on 31.12.2015, catering to the requirements of petroleum products of all sectors of the economy.

BPCL has been amongst the first in India to embrace cutting edge technology in key areas of operations and introduce products and services aimed at meeting existing and emerging needs of the consumer.

BPCL is a financially sound company with an uninterrupted dividend record. The reserves and surplus have risen from a mere Rs. 19 crore in 1976 to Rs. 21,744.40 crore, as on 31.03.2015. The Net Worth (paid up share capital & reserves and surplus) has risen from Rs. 34 crore in 1976 to Rs. 22,467.48 crore as on 31.3.2015. Since its takeover in 1976 by the Government, the capital expenditure incurred by the Company has been met out of its internal resources / borrowings.

As at 31.12.2015, BPCL employed a total of 12768 permanent employees. BPCL has a young team of highly skilled officers, who possess expertise in the fields of Process Technology, Engineering, Project Management, Information Services, Sales and Distribution, SAP implementation and in Computer Operations.

MOU with the Government

The Corporation has entered into a Memorandum of Understanding with the Ministry of Petroleum & Natural Gas for the year 2015-16 for the Twenty-sixth year in succession since 1990-91. The performance rating awarded to the Corporation has been 'Excellent' every year since 1990-91.

BPCL also has the distinction of having won the Prime Minister's MOU Award for "Excellence in Performance" during the years 1998-99, 2000-01, 2002-03 and 2006-07.

Share Holding Pattern

Till 1992, the Government of India held the entire paid-up capital of BPCL, which was Rs. 50 crores. During the years 1992 and 1993, the Government disinvested a total of 30% of the Company's paid-up capital in favour of Indian Financial Institutions, Banks and Mutual Funds. In 1994, the Government further disinvested 3.8% of the paid-up capital in favour of the employees of the Company. Consequently, the Government's holding stood reduced to 66.20%.

The paid-up Share Capital was increased from Rs.50 crores to Rs.150 crores (divided into 15 crores equity shares of Rs. 10/- each) during the year 1994-95, and to Rs.300 crores (divided into 30 crore equity shares of Rs. 10/- each) during the year 2000-01 by declaring bonus shares in the ratio of 2:1 and 1:1 respectively by capitalizing the Free Reserves to the extent of Rs. 100 crores and Rs. 150 crores respectively. The Ministry of Company Affairs vide their Order dated 18.8.2006, approved the amalgamation of Kochi Refineries Ltd. with BPCL in the swap ratio of 4 fully paid up equity shares of BPCL for every 9 fully paid up equity shares of KRL as provided in the scheme of amalgamation. Accordingly, the paid-up Share Capital was increased from Rs.300 crore to Rs.361.54 crore and the holding of the Government of India became 54.93% from 66.20%.

The paid-up Share Capital was increased from Rs.361.54 to Rs. 723.08 crore during the year 2012-13 by declaring bonus shares in the ratio of 1:1 by capitalizing the Free Reserves to the extent of Rs. 361.54 crore. The holding of the Government of India is currently at 54.93%.

The shares of BPCL are listed on the BSE Ltd. and National Stock Exchange of India Ltd.

6.7.2 PHYSICAL PERFORMANCE

a) Refineries

During 2013-14, BPCL Refineries (Mumbai & Kochi) processed 23.35 million metric tonnes (MMT) and is surpassing MOU 'Excellent' target of 22.50 MMT. The Total Distillate Yield was 81.37%.

During 2014–2015, BPCL Refineries (Mumbai & Kochi) processed 11.43 (MMT) million metric tonnes till Sept 2014 against MOU 'Excellent' target of 22.50 MMT for 2014-15. The Total Distillate Yield was 82.71%.

The proposed MOU 'Excellent' target for crude throughput for BPCL refineries during 2015-16 is 22.50 MMT.

The details of the Physical Performance (Physical & other Physical targets) during 2012-13 and 2013-14 & BE for the year 2014-15 are given in the Annexure – A (enclosed).

IMPORTS & EXPORTS

i. Crude Oil & Petroleum Products - Imports & Exports

The following are the details of Imports / Exports of crude oil and petroleum products for BPCL during the year 2013-14:

The quantity of crude oil imported by BPCL during 2014-15 (upto November 2014) was 12.12 MMT (MMT) valued at approximately Rs. 55,667 Crores. In the next four months (Dec'14 to Mar'15), BPCL is expected to import 5.34 MMT crude oil to complete the annual import requirement of 17.46 MMT for the year 2014-15. Last year 2013-14, the requirement of imported crude was 16.94 MMT. The increase in import requirement is attributable to lower allocation of Mumbai High crude from 6.4 MMT in 2013-14 to 5.29 MMT in 2014-15.

Petroleum Products : The quantity of LPG imports was 1273 TMT valued at Rs 3923.96 crores while no petroleum products were imported during 2014-15 (upto November 2014). During the next four months (Dec 14 to Mar 15), there is no plan of import of petroleum product while 650 TMT of LPG is expected to be imported during this period.

In the previous year 2013-14, the corresponding figure for product import was: 47 TMT of MS, 42 TMT of Reformate and 1511 TMT of LPG. This indicates sourcing for petroleum products indigenously resulting in nil imports during the year 2014-15.

(Figs in TMT)

	Total**2012-13**	Total**2013-14**	Total2014-15 (Estimate)
Crude Imports			
Mumbai refinery	8986	8997	9123
Kochi Refinery	8173	8223	8325
Total	**17159**	**17220**	**17448**
Product Imports			
LPG	685	1511	1642
MS	-	47	-
HSD	178	-	-
Sub Total	**863**	**1558**	**1642**
Product Exports			
Naphtha	1791	1625	800
Furnace Oil	1207	1203	300
GO	0.00	47	-
BENZENE	0.00	21	20
Sub Total	**2998**	**2896**	**1120**

ii. ENGAGEMENTS ABROAD

Products :

BPCL has entered in to a term contract with Saudi Aramco for import of 300 TMT of LPG during 2014.

BPCL has entered in to a term contract with ADNOC for import of 210 TMT of LPG during 2014.

BPCL has entered in to a term contract with KPC for import of 234 TMT (including optional volume of 39 TMT) of LPG during 2014.

BPCL has entered in to a term contract with GAZPROM for import of 180 TMT (including optional volume of 90 TMT) of LPG during 2014.

BPCL has entered in to a term contract with TASWEEQ for import of 270 TMT of LPG during 2014.

BPCL has arranged for import of 120 TMT of LPG at Haldia during 2014.

Additionally, BPCL has tied up with traders for import of 164 TMT of LPG-Mix, to meet increasing LPG demand, during 2014.

In addition to the above, BPCL exported products like Naphtha, Fuel Oil, etc. through the spot market to registered traders for intended destinations such as Singapore, Japan, Korea, China, Taiwan, etc.

6.7.3 BUDGET OUTLAYS

a) Financial Performance : Plan Outlay/ Expenditure

The details of Plan Outlay / Expenditure for the years 2013-14 and 2014–15, the Plan outlay proposed for 2015-16 are as follows:

(Rs. Crore)

2013-14			2014-15			2015-16
BE	RE	Actual	BE	RE	April '14 – Dec. '14 (Provl.)	BE
4747.74	3618.00	4374.00	5250.00	5794.00	4557.00	6501.32

BPCL has an approved outlay of Rs.12212.8 during the XI plan period and the expenditure incurred during the XI plan period is Rs. 9734.85 crore. The proposed Outlay for XII Plan period is Rs. 32789 crore.

a) GENERATION OF INTERNAL RESOURCES

Gross Internal Resources generated by the Corporation during the year 2013-14 was Rs. 4,587.06 crores, which have been utilized towards meeting loan repayments, working capital requirements, Plan/Non-Plan Capital Expenditure etc.

The Revised Estimates (RE) for the year 2014-15 envisages a Plan Outlay of Rs. 5,793.50 crores to be funded partially by Internal Resources and partially by borrowings.

For the year 2015-16, the Plan Outlay of Rs. 6,501.32 crores will be met partially from other borrowings and partially from Internal Resources.

6.7.4 Financial Performance:

BPCL's financial efficiency parameters are given as per Annexure B (copy attached). Actuals upto September 2014 are provided.

The financial performance of the Corporation during the years 2013-14 and 2014-15 (Estimated) is as follows:

Rs. Crore

Description	2013-14 Actual	2014-15	
		Apr.-Sep.14 (Actual)	Estimated Estimated 2014-15
Profit / (Loss) before tax	5948.98	2401.59	3,100.41
Profit / (Loss) after tax	4060.88	1680.46	2,174.82

6.7.5 **GENDER BUDGETING**

In BPCL, action has been initiated to establish Gender Budgeting Cell at Corporate and Regional level. These cells will facilitate and support welfare initiatives pertaining to women employees, community development for women, training / empowerment of women, etc., monitoring of gender budget initiatives and reporting to MOP&NG.

The Corporate Cell will be responsible to formulate schemes pertaining to women employees / community development for women / training empowerment programmes for women, monitor and evaluate implementation of the schemes and submit reports to the authorities concerned.

As of end December 2014, BPCL has a total No. of 1156 women employees which represents 9.07% of the total employees (Total employees i.e. 12750).

6.7.6 Initiatives for Women Employees

To promote the development of women employees, the Corporation has taken the following initiatives:

Senior Level commitment to gender issues.

Exposure of women to Top Management Jobs.

Cross functional rotation including exposure to field jobs.

Informal survey and open dialogue between men & women to learn about gender differences that exist on important issues affecting work environment.

Setting up of Complaints Cell headed by a senior woman executive for investigation and prompt redressal of grievances related to sexual harassment at work place.

For prompt redressal of employee grievances in a proactive manner, an Employee Satisfaction Enhancement Cell is in operation.

Managerial Role Effectiveness Workshops are organized exclusively for women wherein issues relating to women's role as Managers are addressed.

Encouragement by employing sportswomen who have represented India in International & National events.

Childcare facilities are provided at locations as per the requirement. At present crèche facility is provided at our Mumbai and Kochi Refinery.

Child Day Care Facility is also provided at Gokuldham Housing Complex, Mumbai.

Women empowerment series for holistic development of women employees with special focus on Networking and creativity: BPCL is networking with renowned and learned women from the field of Empowerment, academics and media.

Stress Intervention Program and a fitness station for women employees specifically going into real life issues like children not going to school, conflicts with Spouses etc.

Family life education with Career guidance and Aptitude testing for children of women employees on effective interpersonal relationships, Effective parenting series with values, role modeling and disciplining the children.

6.7.7 Community development

BPCL has a strong commitment towards CSR. The main thrust areas in CSR are Education, Water Conservation, skill Development, health/ hygiene & Community development. Some of the main activities conducted in these areas in 2014- 15 which are in progress are

While continuing the Read India Project in Nandurbar & Sagar, the project in 2014-15 has been scaled up in entire Dist of Dausa in Rajasthan reaching out to 400 schools.

Also the Computer Assisted Learning project has been scaled upto to Jaipur & Sholapur, while continuing Uran, Lucknow & Mumbai. Today we are reaching out to 14000 children in Mumbai, 2800 children in Solapur & 3700 children in Jaipur.

The Rain water harvesting project has been scaled up to reach out to 270 villages in Tamil Nadu, Karnataka, Rajasthan and Maharashtra in the next five years. In 2014-15, we will cover around 50 villages through Rain water harvesting projects.

This year we have also taken up the Swachh Bharat initiatives. Under the Swachh Vidyalaya, We will be constructing 600 toilets in government schools of Andhra Pradesh, Odisha, Bhihar, Telangana & West Bengal. We are also reaching out to one lakh children with swachhata messages & 150 villages for swachhata drives.

In vocational skilling, we will be completing training and placing 1000 youth from in and around our Kochi refinery and also commencing training of another 1000 unemployed youth from in and around our business units in Andhra Pradesh/ Telangana.

6.7.8 Plans for 2015-16 (tentative)

Scale up the computer assisted project

Scale up Read India project & undertake training of government school teachers

Continue teacher training & leadership development project to primary as well as upper primary teachers.

Skill Development for 1500 to 2000 youth near Business units

Skill development for persons with disability

Scale up water conservation project in other drought affected parts of the country

The Gender based analysis & financial outlay for the Gender budget for the year 2013-14 is enclosed as Statement I.

ANNEXURE-A

BHARAT PETROLEUM CORPORATION LIMITED
ACHIEVEMENTS VIS-A-VIS TARGETS : 2014-15, 2015-16 AND PROJECTED TARGETS FOR 2016-17

Sr. No.	Description	Unit	2014-15 Target (RE)	2014-15 Performance	2015-16 Annual Target (As per Action Plan)	2015-16 Apr.-Dec.'15 Target	2015-16 Apr.-Dec.'15 Performance (Provl.)	2015-16 Jan.-Mar.'16 Target	2015-16 Jan.-Mar.'16 Performance (Proj.)	2015-16 Est.	2016-17 Projected Target (provl.)	Brief reason for variance in performance vis-a-vis Target
1	2	3	4	5	6	7	8	9	10	11	12	13
A.	**PHYSICAL TARGETS**											
	Crude Throughput		22.50	23.36	23.25	17.37	17.91	5.89	6.02	23.93	25.06	
	(Mumbai & Kochi refinery)											
i)	Mumbai Refinery	MMT	12.63	12.96	12.95	9.70	9.93	3.25	3.42	13.35	13.06	
ii)	Kochi Refinery	MMT	9.87	10.40	10.30	7.67	7.98	2.64	2.60	10.58	12.00	
B.	**OTHER PHYSICAL TARGETS**											
i)	Enrolment of LPG	Nos.	50.00	48.91	50.00	37.5	34.32	12.50	11.00	45.32	*	
	Customers	Lakhs										
ii)	LPG Distributorships	Nos.	475	705	550	396	354	154	100	454	*	
	(inlcusive of RGGLV)											
iii)	Retail Outlets	Nos.	600	695	500	350	369	200	181	550	500.0	
	Non-availability of suitable land. Commissioning											Delay in getting NOC from Statutory Authorities
iv)	Production of Benzene Mumbai Refinery	TMT	42.0	44.35	57.6	43.00	43.59	14.58	10.62	54.2	65.0	

ANNEXURE-A

BHARAT PETROLEUM CORPORATION LIMITED
ACHIEVEMENTS VIS-A-VIS TARGETS : 2014-15, 2015-16 AND PROJECTED TARGETS FOR 2016-17

Sr. No.	Description	Unit	2014-15 Target (RE)	2014-15 Performance	2015-16 Annual Target (As per Action Plan)	2015-16 Apr.-Dec.'15 Target	2015-16 Apr.-Dec.'15 Performance (Provl.)	2015-16 Jan.-Mar.'16 Target	2015-16 Jan.-Mar.'16 Performance (Proj.)	2015-16 Est.	2016-17 Projected Target (provl.)	Brief reason for variance in performance vis-a-vis Target
1	2	3	4	5	6	7	8	9	10	11	12	13
Kochi Refinery		TMT	42.0	33.7	35.0	26.5	27.0	8.50	8.50	35.5	*	
v)	Production of Toluene											
	Mumbai Refinery	TMT	24.0	10.79	12.7	10.1	8.0	2.60	3.21	11.2	20.0	
	Kochi Refinery	TMT	24.0	14.4	11.1	8.6	4.5	2.5	2.5	7.0	*	

* Yet to be finalised
N.A. : Not Available

CHENNAI PETROLEUM CORPORATION LIMITED

6.8.1 Introduction:

Chennai Petroleum Corporation Limited (CPCL), formerly known as Madras Refineries Limited (MRL) was formed as a joint venture in 1965 between the Government of India (GOI), AMOCO and National Iranian Oil Company (NIOC) having a shareholding in the ratio 74%: 13%: 13% respectively.

From time to time, the shareholding of CPCL has changed. In 2001, the GoI transferred its entire shareholding in CPCL to IndianOil. Subsequently Chennai Petroleum Corporation Ltd. (CPCL) became a subsidiary of Indian Oil Corporation Ltd. (IndianOil) and consequently a Government Company. In July 2003, NIOC transferred their entire shareholding to Naftiran Intertrade Company Limited (NICO), its 100% subsidiary. Currently IOC holds 51.89%, while NICO holds 15.40%; while the Financial Institutions, Foreign Institutional Investors, Public etc. hold the balance.

The Manali refinery was originally designed for processing 2.5 MMTPA (Million Metric Tonnes Per Annum) of imported Darius crude from Iran. CPCL's Manali refining capacity was increased from 2.5 MMTPA in 1969 to 10.5 MMTPA in 2011 through addition of new units and debottlenecking the existing units. Secondary processing units like FCCU and OHCU were implemented to improve the total distillate yield. Facilities like DHDT, CCR and ISOM were also added to meet stringent Euro-IV quality norms for Diesel and Gasoline.

CPCL's second refinery, Cauvery Basin Refinery (CBR) was commissioned in Nov 1993 initially with a capacity of 0.5 MMTPA to process Narimanam crude. The Off-shore PY-3 Crude was allocated to CBR. CPCL completed the CBR capacity expansion to 1.0 MMTPA in 2002 and construction of an Oil Jetty facility for crude in 2003.

The main products of the company are LPG, Motor Spirit, Superior Kerosene, Aviation Turbine Fuel, High Speed Diesel, Naphtha, Bitumen, Lube Base Stocks, Paraffin Wax, Fuel Oil and Hexane. In addition, CPCL, as a mother industry, supplies Petrochemical feed stocks like Propylene and Butylenes stream for the manufacture of Propylene Oxide, Propylene Glycol, MEK, Polybutylene, and Kerosene stream for the manufacture of Linear Alkyl Benzene.

Majority of Fuel products, Bitumen and Lubes of the Manali Refinery of CPCL and CBR of CPCL are marketed through Indian Oil Corporation Limited, the holding company. CPCL does direct marketing of some of its specialty products from Manali Refinery, like Waxes, Propylene, Hexane, LAB feed stock, Petrochemical Feed stocks and Lube Extracts.

6.8.2 Physical Performance:

a) Crude Thruput (2015-16)

The refineries at Manali and Cauvery Basin Refinery (CBR) processed 6.8 Million Metric Tonnes (MMT) of crude upto December, 2015.

b) Fuel and Loss (2015-16)

The Fuel & Loss of Manali Refinery during the year 2015-16 upto Dec, 2015 was at 9.8 wt.%. The Fuel & Loss at CBR is at 4.5 Wt%.

	2014-15 Act	Target	2015-16 Outlook	Act upto Dec 15	2016-17 (Target)
Installed Capacity (MMT)					
Manali Refinery	10.5	10.5	10.5	7.9	10.5
Cauvery Basin Refinery	1.0	1.0	1.0	0.8	1.0
Total	**11.5**	**11.5**	**11.5**	**8.6**	**11.5**
Actual Production (MMT)					
Manali Refinery	10.25	10.3	9.13	6.44	9.65
Cauvery Basin Refinery	0.53	0.5	0.54	0.38	0.6
Total	**10.78**	**10.8**	**9.67**	**6.8**	**10.25**
Capacity Utilisation (%)					
Manali Refinery	97.6	98.1	87	81.6	91.9
Cauvery Basin Refinery	53.1	50	52	50	60
Fuel & Loss (%)					
Manali Refinery	8.8	9.0	9.5	9.8	9.5
Cauvery Basin Refinery	4.1	4.1	4.4	4.5	4.6

6.8.3 Budget Outlays

(Rs. in crore)

2014-15			2015-16			2016-17
BE	RE	Actual	BE	RE	Actual upto Dec 15	BE
1102.00	617.00	465.90	1300	1250	863.70	1238.00

a) Source of generation of Funds for the Budget 2016-17:

Internal – Rs. 196.42 Crore: ECB Supplier's credit – Rs 853 Crore,

Others – Rs. 188.58 Crore - Total Rs 1238.00Cr

b) Profitability: Details given below

6.8.4 Revenue Generation

(Rs. in crore)

2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec, 2015
47877.82	35451.01	25789.05

6.8.5 Profit Before Tax

(Rs. in crore)

2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec, 2015
-742.39	788.50	505.08

6.8.6 Profit After Tax

(Rs. in crore)

2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec, 2015
-38.99	788.50	505.08

6.8.7 Gender Budgeting:

Number of women employees vis-à-vis total employees (as of 31.03.16)

Out of 1642 employees {excluding CVO (1), Directors (3) and MD (1)}, there are 86 women employees representing 5.24% of the strength. This comprises of 42 women executives and 46 women non-executives.

(i) Statutory Obligations:

CPCL is complying with all the statutory obligations relating to women employees stipulated in various statutes as detailed under:

a. Equal Remuneration Act 1976

b. Factories Act 1948

c. The Maternity Benefits Act 1948

d. Industrial Employment (Standing Orders) Act, 1946 and the Conduct, Discipline and Appeal Rules.

(ii) Women Training & Development Programme:

Women employees have been provided training for 150 man-days of various general training programmes conducted at CPCL and 35 man-days of conferences/seminars organized by others during the year.

(iii) Corporate Social Responsibility Activities:

CPCL adopts a multi-disciplinary approach in implementation of various CSR activities in the following areas for the development of the community around our Refineries at Manali & Nagapattinam:

- Education including development of infrastructure, awarding merit scholarship to students and running, maintaining educational institution namely CPCL Polytechnic College thourgh CPCL educational trust.
- Healthcare and Sanitation – CPCL runs community Health centrs at Manali, Periyasekkadu and Thirunilai in Tiruvallur District and at Muttam in Nagapattinam District.
- Empowerment of women – CPCL runs a Creche centre at Manali under Women development programme.
- Contributes to Tamilnadu Social welfare Board for the development of Women and Children
- Hygiene and Sanitation
- National causes / natural calamities

(iv) Women Empowerment :

CPCL runs crèche in Manali at a cost of Rs.1.70 lakhs per year as a continuous activity for assisting the working women.

Annexure-A

Chennai Petroleum Corporation Limited

S. No.	Description	Unit	Target for 12th Plan (12-17)	2014-15 Annual Target	2014-15 Actual perfor-mance	2015-16 Annual Target	2015-16 Actual Upto Dec'15	2016-17 Annual Target
1	2	3	4	5	6	7	9	10
I	Physical							
	Crude Throughput							
	- Manali	MMT	54.500	10.350	10.251	10.300	6.436	9.650
	- Cauvery	MMT	3.500	0.750	0.531	0.500	0.376	0.600
II	Financial	₹ in Crores						
1	Income		257841.54	58996.54	47877.82	35451.01	25789.05	30835.02
2	Profit Before Tax		794.53	(662.20)	(742.39)	788.50	505.08	254.50
3	Profit After Tax		201.04	(662.20)	(38.99)	788.50	505.08	166.42

ANNEXURE-A

PHYSICAL EFFICIENCY INDICATORS (REFINERY PORTION)

Description	Installed Capacity	2014-15 Actuals	2014-15 % of capacity utilisation	2015-16 Annual Target	2015-16 Actual upto Dec'15	2015-16 % of capacity utilisation	2016-17 Annual Target
Crude Throughput (in MMT)							
- Manali Refinery	10.500	10.251	98%	10.300	6.436	82%	9.650
- Cauvery Refinery	1.000	0.531	53%	0.500	0.376	50%	0.600
Fuel & Loss percentage							
Manali		8.81		9.00	9.77		9.40
Cauvery		4.08		4.10	4.47		4.40

Annexure-B

FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl No.	Item	Unit	2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec'15	2016-17 Target	Remarks
1	Sale	₹/Crore	47877.82	35451.01	25789.05	30835.02	Gross Sales - Commision & Discount
2	Cost of Sale	"	48620.21	34662.51	25283.96	30580.52	(Sales - Profit before tax)
3	Cost of sale as % of sale	%	101.55	97.78	98.04	99.17	
4	Total cost of production	₹/Crore	46893.59	40875.50	24652.06	29593.60	(Crude cost + Excise duty + Operating Cost (net) + Depn.+Interest (net))
5	Total sale value of prodn.	"	46557.02	35451.01	25750.06	30835.02	(Sales + Inv.Difference)
6	Total cost of production as % of total value of prodn.	%	100.72	115.30	95.74	95.97	
7	Value added per employee	₹/Crore	0.50	1.33	1.18	6.93	
7A	Total Value added	"	823.64	2334.61	1931.04	11787.42	[(Gross Refinery Margin - (Utilities+Stores, spares and chemicals)]
8	Ratio of Net Profit after tax to Net Worth	%	(2.36)	32.27	16.10	5.59	(Net Profit after tax/Net Worth)
9	Ratio of Gross Margin (profit before tax) to Capital Employed	%	(12.00)	10.95	7.99	3.53	(P.B.T./Capital Employed)

Note: Cost of production excludes underecovery on account of Additional Sale Tax/Central Sales Tax and Selling and Distribution Expenses

Annexure-B

FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl No.	Item	Unit	2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec'15	2016-17 Target	Remarks
10	PRODUCTIVITY						
	(a) Input output ratio	%	91.33	91.23	90.42	90.89	((Thruput-Fuel & Loss)/Thruput))
	(b) Cost of input per employee (crude cost)	₹/Lakhs	2503.77	1942.05	1137.91	1141.43	(Crude cost/No.of employees other than Dev. & Project)
	(c) Value of output per employee	"	2946.65	2092.74	1637.00	1874.47	(Value of prodn/No.of employee other than Dev.&Project)
	(d) Capital output ratio		28.93	14.51	8.22	10.36	(Turnover/Shareholders Fund)
11	TOTAL SALARY PAID						
	(a) Direct Wages	₹/Crore	283.41	297.00	224.80	364.00	
	(b) Overheads (Welfare Exp.)	"	55.30	35.00	15.41	55.00	
12	UTILITIES CONSUMED						
	(a) Electricity	₹/Crore	39.60	56.00	19.85	59.00	
	(b) Fuel (Own)	"	3347.10	3800.00	1472.86	1800.00	
	(c) Other items (Water)	"	15.76	16.00	14.01	16.00	
	(d) Total	"	3402.46	3872.00	1506.72	1875.00	
13	(a) Total fixed costs	"	1185.89	1252.10	878.47	1506.00	Includes all revenue expenditure excluding utilities & chemicals
	(b) Total variable costs	"	133.53	205.00	123.95	211.00	Utilities, Chemicals & Catalysts.
14	Maintenance & Repairs	"	142.02	242.00	159.80	248.00	
15	Expenditure on Travelling	"	3.58	4.00	2.79	4.00	
16	Expenditure on Entertainment	"	0.18	0.25	0.17	0.25	
17	Total overtime as %of total wages	%	10.60	10.38	11.38	9.21	O.T.as % of Sup &Non Sup salaries

Annexure-B

FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl No.	Item	Unit	2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec'15	2016-17 Target	Remarks
18	CONTRIBUTION TO CENTRAL GOVT. EXCHEQUER						
	(a) Cess on Crude Oil	₹/Crore					
	(b) Royalty	"					
	(c) Dividend	"					
	(d) Sales Tax	"	265.89	280.00	122.78	275.00	
	(e) Excise Duty / Service Tax	"	5937.48	6520.00	5076.61	9100.00	
	(f) Customs Duty	"	47.04	50.00	41.81	50.00	
	(g) Others, if any - Income Tax	"	0.00	0.00	0.00	0.00	Includes Corporate tax,& DDT
19	CONTRIBUTION TO STATE GOVTs.						
	(a) Sales Tax	"	472.44	520.00	224.03	350.00	Sales tax including VAT
	(b) Others	"	0.00	0.00	0.00	0.00	Includes Purchase Tax
20	NUMBER OF EMPLOYEES ON ROLL AS ON 31ST MARCH						
	(a) Officers	Nos.	749	790	770	840	
	(b) Workmen	"	884	959	864	860	
21	Total Gross Internal Resources Generated (Retained Profit +DTA/DTL Depreciation + Others)	₹/Crore	(516.26)	1043.50	701.30	559.50	
22	Net Internal Resources available for Plan	₹/Crore	517.61	(156.50)	380.07	196.42	

Annexure-B

FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl No.	Item	Unit	2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec'15	2016-17 Target	Remarks
23	Approved Plan Outlay	₹/Crore	1102.00	1300.00	1300.00	1238.00	
24	Actual Plan Expenditure	"	465.90		863.70		
25	Reasons for shortfall in Expenditure compared to approved outlay						
26A	Foreign Exchange Budget allotment						
	(a) Materials/Equipment	₹/Crore	NOT APPLICABLE				
	(b) Services	"					
	(c) Others (specify)	"					
	TOTAL	"					
26B	Foreign Exchange Utilisation						
	(actual releases)	₹/Crore					
	(a) Materials/Equipment						
	(b) Services						
	(c) Others						
	(d) Dividends						
26C	Foreign Exchange Outgo	₹/Crore					
	(actual payment)						
	(a) Materials/Equipment						
	(b) Services						
	(c) Others						
	(d) Dividends						

Annexure-B

FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl No.	Item	Unit	2014-15 Actual	2015-16 Target	2015-16 Actual upto Dec'15	2016-17 Target	Remarks
27	Profit before tax (after interest and depreciation)	₹/Crore	(742.39)	788.50	505.08	254.50	
28	Tax Provision	₹/Crore	(703.40)	0.00	0.00	88.08	
29	Profit After Tax	₹/Crore	(38.99)	788.50	505.08	166.42	
30	Total Value of Imports (CIF) *	₹/Crore	22.99	80.00	59.51	80.00	
31	Total value of procurement from indigenous sources	₹/Crore	94.03	100.00	75.58	100.00	Stores, Spares, Chemicals and Catalysts and Packing Materials consumed plus diff between closing and opening stores inventory (Eliminating CIF value)
32	a) Value of inventory of raw materials,stores&spares	₹/Crore	2174.52	3000.00	1828.07	1561.00	
	b) Raw material inventory in terms of consumption	No.of days	20	23	25	23	
	c) Value of inventory of finished goods	₹/Crore	1171.31	1900.00	1198.58	1373.00	
	d) Value of inventory of semi-finished goods	₹/Crore	459.25	700.00	393.00	316.00	
	e) Value of total inventory	₹/Crore	3805.09	5600.00	3419.65	3250.00	
	f) Finished goods as % of sales		2.45	5.36	4.65	4.45	

* Excluding the cost of import of crude

NUMALIGARH REFINERY LIMITED

6.9.1 INTRODUCTION

Numaligarh Refinery Limited (NRL) was incorporated on 22nd April, 1993. NRL's establishment is rooted in the "Assam Accord" signed by the Government of India on 15th August, 1985. NRL is a subsidiary of Bharat Petroleum Corporation Limited (BPCL) and operates a petroleum refinery at Numaligarh in Golaghat district of Assam. NRL is a Category-I Miniratna PSU. NRL's commercial operations commenced from 1st October, 2000.

NRL's refinery has a high complexity factor owing to advanced secondary processing technologies that has enabled achievement of high distillate yield. Product slate of NRL comprises LPG, Naphtha, Motor Spirit, Aviation Turbine Fuel, High Speed Diesel, Superior Kerosene Oil, Raw/Calcined Petroleum Coke, Sulphur and Paraffin Wax.

NRL has a LPG Bottling Plant of 10 TMTPA capacity at Numaligarh besides two marketing terminals at Numaligarh and Siliguri. White Oil products, viz. MS, SKO and HSD are transported from Numaligarh to Siliguri through the Numaligarh-Siliguri product pipeline (NSPL) of Oil India Limited.

6.9.2 PERFORMANCE

NRL has been operating with sustained profitability every year. Through persistent optimisation of process parameters, NRL has succeeded in achieving highest Distillate Yield among all PSU oil refineries in the Country for four successive years starting 2011-12. NRL's Specific Energy Consumption (SEC) and Gross Refining Margin (GRM) are among the best in the Industry.

Physical and financial performance indicators of NRL during last three years and Apr-Dec of the current financial year are as follows:

Physical Performance:

Parameter	12-13	13-14	14-15	15-16 Apr-Dec	15-16 Projected	16-17 Proposed Target
Crude Receipt (TMT)	2,448	2,675	2,766	1,814	2,491	2,670
Crude Throughput (TMT)	2,478	2,613	2,777	1,847	2,512	2,670
Capacity Utilisation (%)	82.6	87.1	92.6	81.54	83.73	89.00
Distillate Yield (%)	91.11	92.16	90.69	89.79	89.90	91.50
Specific Energy Consumption (MBN)	53.2	53.6	51.6	51.6	52.0	-
Energy Intensity Index (EII)	-	-	97.2	97.6	97.0	96.5

Financial Performance:

Parameter	12-13	13-14	14-15	15-16 Apr-Dec	15-16 Projected	16-17 Proposed Target
Sales Turnover (Rs./Crs)	8,753	9,872	10,823	8,820	10113	8,622
PBT (Rs./Crs)	263	563	1,134	1,406	1,525	1389
PAT (Rs./Crs)	144	371	718	928	988	902

6.9.3 MARKETING

During 2014-15, NRL recorded total sales volume of 2,695 TMT of which, 23% were sold within the North East while 77% were marketed outside the region. The customer-wise percentage of sales were as follows: Bharat Petroleum Corporation Limited (BPCL): 84%, Indian Oil Corporation Limited (IOCL) 6%, Direct Sales 7%, Hindustan Petroleum Corporation Limited (HPCL) 2% and private oil companies 1%. During Apr-Dec'15, sales volume recorded by NRL was 1,909 TMT.

6.9.4 CORPORATE SOCIAL RESPONSIBILITY (CSR) & SUSTAINABILITY

Since inception, NRL has been pursuing definite measures for social welfare and community development. NRL has a single location refinery at Numaligarh in Golaghat district of Assam. Industrialization and economic activities in this district being limited; focus of NRL's CSR activities lies in the district with emphasis over villages within 10 km radius of the refinery. The Company's CSR activities are implemented keeping in view the aspects of sustainable development. The Company has a Board approved CSR and Sustainability Policy. Budget allocation on CSR and Sustainability is based on last three years average profit before tax as per stipulation in the Companies Act 2013. CSR and Sustainability activities of NRL are being administered by a three-tier committee. At the apex level is a Board level committee headed by an Independent Director, below which, there is a committee of senior executives headed by Senior General Manager (Human Resource) followed by a CSR and Sustainability Steering Committee at execution level.

Major CSR and Sustainability schemes are identified through base-line surveys carried out by competent external agencies. Need assessment surveys are also carried out through in-house expertise. Village development committee, district authorities and non-government organisations are often associated in the scheme identification process.

Major CSR and Sustainability schemes are implemented in project mode. Some of NRL's flagship schemes are, 'Niramoy' on health care, 'Prerona' and 'Gyandeep' on education, 'Parichhannata' on hygienic sanitation facilities, 'Uttoran' on skill development and 'Xhokha' for welfare of the differently-abled.

NRL's CSR activities are being pursued along following five thrust areas:

- Agri-allied/Income generation
- Assistance to Educational Institutions
- Infrastructure Development

- Community Health
- Promotion of Art, Sports, Literature and Culture

Amount spent by NRL on CSR activities during last three years and during Apr-Dec'15 are as follows:

(Rs in crores)

	2012-13	**2013-14**	**2014-15**	**2015-16(Apr-Dec)**
CSR Outlay	5.58	5.51	7.62	13.24 (Annual Basis)
Actual Expenditure	5.51	5.29	7.62	4.93

6.9.5 GENDER BUDGETING

As on 31.12.2015, NRL had 875 employees out of which 44 were female employees, constituting 5% of total manpower strength. Against allocation of Rs. 102.81 lakhs on Gender Budgeting activities for 2015-16, expenditure during Apr-Jan'15 was Rs 68.05 lakhs.

ANNEXURE-A

NUMALIGARH REFINERY LIMITED
FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl. No.	Item	Unit	2014-15 (Actuals)	2015-16 BE	2015-16 RE	2015-16 Actual Apr-Dec '15	2016-17 (Projected) BE	Remarks
1	2	3	4	5	6	7	8	9
1	Sales, etc **	Rs. Crores	9,791.23	11,406.88	9,706.21	7,199.21	8,174.70	Financial
2	Cost of Sale	Rs. Crores	8,656.97	10,775.45	7,671.36	5,793.33	6,969.40	parameters
3	Cost of sale as %age of sale	Percent	88.42%	94.46%	79.04%	80.47%	85.26%	have been
4	Total cost of Production	Rs. Crores	8,620.64	10,722.39	7,623.10	5,753.63	6,936.26	calculated
5	Total sale value of production	Rs. Crores	9,712.68	11,361.88	9,605.32	7,103.31	8,077.70	based on 2.600
6	Total cost of production as %age of total sale value of production	Percent	88.76%	94.37%	79.36%	81.00%	85.87%	MMT crude
7	Value added/employee (Excl. Project)	Rs. Lakhs	207.12	136.08	312.76	218.02	214.94	throughput
7 A	Total value added	Rs. Crores	1,777.05	1,178.42	2,683.45	1,870.57	1,844.19	(86 %
8	Ratio of Net Profit after tax to Average Net worth	Percent	22.64%	14.44%	35.77%	25.32%	18.09%	capacity
9	Ratio of Gross Margin (Profit before tax to Avg. cap employed)	Percent	27.87%	16.79%	44.14%	30.47%	23.24%	utilisation
10	PRODUCTIVITY :							for the
	a) Input Output Ratio	Percent	93.68%	91.26%	93.75%	93.78%	92.63%	year 2016-17)
	b) Cost of input per employee	Rs. Lakhs	981.85	1,210.20	868.23	655.31	790.01	
	c) Value of output per employee	Rs. Lakhs	1,106.23	1,282.38	1,094.00	809.03	920.01	
	d) Avg.Cap employed output Ratio	No. of times	2.39	3.02	2.08	1.54	1.56	
11	TOTAL SALARY PAID	Rs. Crores						
	a) Direct wages		51.59	55.75	56.58	40.86	61.03	
	b) Overheads		127.01	115.67	154.20	113.12	158.51	
12	UTILITIES CONSUMED :	Rs. Crores						
	a) Electricity Purchased }		0.01	-	-	-	-	
	b) Fuel }							
	c) Water							
	d) Total		0.01	-	-	-	-	

**Sales include Excise Relief and is after netting off Accretion (+) or Decretion (-) of Stocks, CST & freight underecovery.

ANNEXURE-A

NUMALIGARH REFINERY LIMITED
FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl. No.	Item	Unit	2014-15 (Actuals)	2015-16 BE	2015-16 RE	2015-16 Actual Apr-Dec '15	2016-17 (Projected) BE	Remarks
1	2	3	4	5	6	7	8	9
13	a) Total Fixed Cost	Rs. Crores	685.01	538.93	701.23	520.89	702.75	
	b) Total Variable Cost	Rs. Crores	7,935.63	10,183.46	6,921.87	5,232.74	6,233.52	
14	Maintenance & Repairs	Rs. Crores	92.14	91.26	116.41	99.64	120.44	
15	Expenditure on Travelling	Rs. Crores	15.06	16.23	16.77	11.31	17.71	
16	Expenditure on Entertainment	Rs. Crores	-	-	-	-	-	
17	Total Overtime as %age of wage bill	Percent	4.42%	4.33%	4.08%	4.79%	4.04%	
18	Contribution to Central Government Exchequer (cash basis)	Rs. Crores						
	a) Cess on Crude Oil							
	b) Royalty							
	c) Dividend							GOI does not have any direct shareholding in NRL.
	d) Sales Tax (i.e.CST)		83.53	118.01	113.48	82.46	71.14	
	e) Excise Duty		614.77	426.81	1,351.93	912.30	1,268.96	
	f) Customs Duty		210.72	201.20	154.34	115.76	144.73	
	g) Others- Income Tax, Dividend Tax & Interest		339.00	230.74	781.23	665.31	529.55	
19	Contribution to State Government Exchequer (cash basis)	Rs. Crores						
	a) Sales Tax		26.29	29.25	7.10	5.83	6.88	
	b) Others (Dividend)		16.58	17.07	37.92	37.53	30.36	
20	Number of Employees on Roll as on 31st March	Number						
	a) Officers		431	424	436	436	436	
	b) Workmen (Technical)}		407	422	402	402	402	
	c) Workmen (Non-Technical)}		40	40	40	40	40	
	d) Total (Including Project)		**878**	**886**	**878**	**878**	**878**	

ANNEXURE-A

NUMALIGARH REFINERY LIMITED
FINANCIAL EFFICIENCY PARAMETERS

(Rs. in crores)

Sl. No.	Item	Unit	2014-15 (Actuals)	2015-16 BE	2015-16 RE	2015-16 Actual Apr-Dec '15	2016-17 (Projected) BE	Remarks
1	2	3	4	5	6	7	8	9
21	TOTAL INTERNAL RESOURCES GENERATED (includes carry forward) (Retained Profit + Deferred Tax Provision + Depreciation + write-off - deduction)	Rs. Crores	128.75	126.74	433.19	216.30	366.24	
22	Net Internal Resources utilised for Plan (Surplus is carried forward)	Rs. Crores	20.03	115.00	104.00	33.20	336.00	
23	Approved/ Projected Plan Outlay	Rs. Crores		115.00	104.00		336.00	
24	Actual Plan Expediture	Rs. Crores	102.77			33.20		
25	Reasons for shortfall in Plan Expenditure compared to approved Outlay							
26	Foreign Exchange Out-go (Used)	Rs. Crores						
	a) Materials/ Equipment		471.03			412.58		
	b) Services }		0.11			0.10		
	c) Others }		4.26			3.73		
	d) Total		475.40	-	-	416.40	-	
27	Profit Before tax	Rs Crores	1,134.25	631.43	2,034.85	1,405.87	1,205.30	
28	a) Income Tax Provision (Net)	Rs Crores	463.62	210.54	721.32	476.32	421.84	
	b) Deferred Tax Provision		(47.68)	4.18	(9.05)	1.67	7.02	
29	Profit After Tax	Rs Crores	718.31	416.72	1,322.58	927.89	776.44	
30	Total value of Imports (CIF)	Rs Crores	491.05			430.11		
31	Total value of procurement (crude) from indigenous sources	Rs Crores	8,056.47	10,166.33	6,908.26	5,116.80	6,149.04	
32	INVENTORY AT THE CLOSE OF THE YEAR							
	a) Value of inventory of Raw Materials, Store & Spares	Rs Crores	360.97	127.32	389.53	256.37	389.53	
	b) Raw Material inventory in terms of consumption	Percent	3.55%	3.26%	4.14%	3.54%	3.55%	
	c) Value of Inventory of Finished Goods	Rs Crores	1,190.50	1,289.38	1,179.97	875.31	1,179.97	
	d) Value of Inventory of Semi-Finished Goods	Rs Crores	47.04	15.08	93.14	77.24	93.14	
	Value of Total Inventory (a+b+c+d)	Rs Crores	1,598.51	1,431.78	1,662.64	1,208.92	1,662.64	
	e) Finished Goods as percentage of Net Sales	Percent	13.78%	12.32%	14.74%	14.29%	17.86%	

BALMER LAWRIE & CO. LTD.

6.10.1 INTRODUCTION

Balmer Lawrie & Co Ltd is a multi technology, multi locational Company headquartered at Kolkata with operations spread throughout India. The Company has significant transnational business interest with a joint venture in Dubai and subsidiary in UK. The Company also has several joint ventures in India.

The Company's business interest span both manufacturing and services sector. The Company achieved a Gross Turnover of Rs. 2944.04 crores during 2014-15 and Profit before Tax of Rs. 210.44 crores and Profit after Tax of Rs. 147.44 crores.

The major activities of the Company have been classified into Strategic Business Units with fair autonomy in running of each such business unit. The business units are shown as under classifying them under manufacturing and services:-

6.10.2 Location of manufacturing units

a) Strategic Business Unit major establishment

I. MANUFACTURING

***I*ndustrial Packaging (**Barrels & Drums) : Kolkata, Chennai, Asaoti, Chittoor, Silvassa and Navi-Mumbai.

Greases & Lubes : Kolkata, Chennai and Silvassa.

Leather Chemicals: Chennai

II. SERVICE

Travel & Vacations : Kolkata, Mumbai, Delhi, Chennai, Bangalore, Hyderabad, Thiruvanthapuram, Dehradun, Nagpur, Gurgaon, Ahmedabad, Vadodara, Lucknow, Pune, Bhubaneswar, Coimbatore, Kanpur, Bokaro, Kochi, Guwahati, Chandigarh, Goa & Port Blair

Logistics Services : Delhi, Mumbai, Kolkata, Chennai, Bangalore, Hyderabad, Thiruvanthapuram, Ahmedabad, Visakhapatnam, Kochi, Karur, Lucknow, Pune, Tuticorin, Indore, Gwalior, Mangalore, Ludhiana, Coimbatore, Vadodara, Bhubaneswar, Goa, Kanpur and Guntur.

Logistics Infrastructure: Kolkata, Mumbai, Chennai & Coimbatore

Refinery & Oil Field Services Kolkata

III. Research & Development

Technology & Product Development: Kolkata

(Support SBU: Industrial Packaging, part of SBU)

Applications Research Laboratory: Kolkata

(Mainly supports SBU:Greases & Lubricants)

Product Development Centre : Chennai

(Support SBU: Leather Chemicals, part of SBU)

The company also operates a wholly owned subsidiary in UK and five joint ventures, one of which is in UAE and the rest are in India.

1. **PHYSICAL PERFORMANCE**

Description	Unit	2014-15 Actual	Estimated Apr. to Dec.'15	2015-16 (RE	2016-17) (BE)
Barrels/Drums	(Nos./Lakhs)				
- 200/210 Ltrs.		39.30	29.43	38.40	40.00
- 165 Ltrs. Bitumen		2.68	1.39	2.00	2.00
Greases/Lubricants	(000' MT/KL)	38.24	26.81	35.00	40.00
Performance Chemicals	(MT)	7358	4430	6100	7600

2. **BUDGET OUTLAYS** **Rs. /Crores**

	2014-15			2015-16			2016-17
	BE	RE	Actual	BE	RE	Estimated YTD Dec.'15	BE
Plan Expenditure	62.00	158.00	79.79	100.00	100.00	22.29	50.00

3. **SOURCES OF GENERATION OF FUNDS** **Rs. /Crores**

	2014-15			2015-16			2016-17
	BE	RE	Actual	BE	RE	Estimated YTD Dec.'15	BE
Profit after Tax	135.00	112.00	147.44	132.00	147.00	96.61	156.90
Less : Dividend	48.35	46.68	62.04	46.68	63.76	-	70.66
Add : Depreciation	22.00	25.50	26.34	27.00	28.00	20.62	30.00
Less : Deduction/Adjustments	46.65	(67.18)	31.95	62.32	11.24	94.94	66.24
Internal Generation of Funds	**62.00**	**158.00**	**79.79**	**50.00**	**100.00**	**22.29**	**50.00**

4. **PROFITABILITY [PBIDT]**	230.00	202.50	240.35	234.50	259.00	171.49	278.00

5. REVENUE GENERATION (INTERNAL GENERATION)

Rs./Crores

	2014-15	2015-16		2016-17
	Actual	**Anticipated**	**Estimated YTD Dec.'15**	**Projected**
Internal Generation	79.79	100.00	22.29	50.00

6. PROFIT BEFORE TAX

Rs./Crores

	2014-15	2015-16		2016-17
	Actual	**Anticipated**	**Estimated YTD Dec.'15**	**Projected**
PROFIT BEFORE TAX	210.44	225.00	148.21	240.00

7. PROFIT AFTER TAX

Rs./Crores

	2014-15	2015-16		2016-17
	Actual	**Anticipated**	**Estimated YTD Dec.'15**	**Projected**
PROFIT AFTER TAX	147.44	147.00	96.61	156.90

8. GENDER BUDGETING

(i) Statutory Obligations	] An amount of Rs.400.00 lakhs has been budgeted under the 'SCP/TSP'
(ii) Training and Development	] and ''Gender Budgeting' for the year 2015-16". As on 31st
(iii) Socio Cultural Activity	] December, 2015, projects amounting to Rs. 300.00 lakhs was
(iv) Women Development Programme	] spent under the Schemes of 'BLISS' and 'SAMBAL'.

Further, we would like to inform you that an amount of Rs. 400.00 lakhs has been kept as budget provision for the year 2016-17.

ANNEXURE-F

BALMER LAWRIE & CO. LTD.

FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	Actuals		April'15-**Dec.15**	pated (RE)	(BE)
1	2	3	4	5	6	7	8
1.	Sales [including Excise Duty]	(Rs./Crores)	2944.04	3265	2172.9435	3015	1865
2.	Cost of Sales	(Rs./Crores)	2733.60	3065.00	2024.7335	2790.00	1625.00
3.	Cost of Sales as % of Sales	(%)	92.9	93.9	93.2	92.5	87.1
4.	Total Cost of Production/ Services & Other Activities	(Rs./Crores)	2687.85	3016.80	1991.83	2742.97	1574.21
5.	Total Sale value of Production/ Services & Other Activities	(Rs./Crores)	2956.47	3265	2178.9447	3015	1865
6.	Value Added per Employee	(Rs./Lakhs)	42.44	39.18	47.94	42.05	41.23
7.	Total Value Added	(Rs./Crores)	579.32	636.67	451.57	651.74	700.84
8.	**FINANCIAL**						
	(a)Ratio of Net Profit after Tax to Net Worth	(%)	16.33	12.53	12.93	14.90	14.61
	(b)Ratio of Gross Margin (PBIDT) to Capital Employed	(%)	26.62	21.78	22.32	23.95	23.47
	(c)PBT as % of Cap. Employed	(%)	23.30	18.58	19.29	20.81	20.27
	(d)PAT as % of Cap. Employed	(%)	16.33	12.26	12.61	13.59	13.25
	(e)Earnings per Share (#)	(Rs.)	51.73	46.31	45.34	51.58	55.05
	(f)Net Worth//Eq. Share (#)	(Rs.)	316.86	369.71	350.76	346.07	376.93
	(g)Debt Equity Ratio	(Ratio)	0.00:1	0.10:1	0.02:1	0.10:1	0.10:1
9.	**PRODUCTIVITY (*)**						
	(a)Input/Output Ratio	(Ratio)	1.27	1.25	1.28	1.28	1.65
	(b)Cost of Input per Employee	(Rs./Lakhs)	170.33	160.63	135.53	151.48	66.53
	(c)Value of Output per Employee	(Rs./Lakhs)	215.68	200.92	173.01	194.52	109.71
	(d)Capital Output Ratio	(Ratio)	3.26	3.03	2.12	2.79	1.57

(*)Figures have been annualised wherever necessary.
Capital Employed denotes Net Fixed Assets + Working Capital + Investments + Deferred Revenue Expenditure

ANNEXURE-F

BALMER LAWRIE & CO. LTD.

FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	Actuals		April'15-Dec.15	pated (RE)	(BE)
1	2	3	4	5	6	7	8
10.	**CONTRIBUTION TO CENTRAL EXCHEQUER**	(Rs./Crores)					
	(a)Cess on Crude Oils		-	-	-	-	-
	(b)Royalty		-	-	-	-	-
	(c)Dividend		-	-	-	-	-
	(d)Sales Tax		7.5320.00	9.00	12.00	20.00	
	(e)Excise Duty		128.26	155.00	90.87	130.00	155.00
	(f)Customs Duty		27.82	30.00	22.50	30.00	30.00
	(g)Others, if any (Specify)						
	- Corporate Tax (Other than deferred Tax)		62.95	68.00	54.02	78.00	83.00
	- Others		33.18	40.00	30.00	40.00	40.00
			259.74	**313.00**	**206.39**	**290.00**	**328.00**
11.	**CONTRIBUTION TO STATE EXCHEQUER**	(Rs./Crores)					
	(a)Sales Tax		41.94	50.00	31.50	42.00	50.00
	(b)Others		5.73	10.00	6.00	8.00	10.00
			47.67	**60.00**	**37.50**	**50.00**	**60.00**
12.	No. of Employees on Roll (As on 31st March)	(Nos.)	1365	1625	1256	1550	1700
13.	**TOTAL GROSS INTERNAL RESOURCES GENERATED**	(Rs./Crores)					
	(Retained Profit + Depreciation and Write-offs) before Non Plan Capital Expenditure		111.75	112.32	117.23	109.52	124.57

(*)Effective 01/04/2016 with the implementation of new accounting norms - IND-AS, turnover of Travel Division will be accounted at net commission earned. Also certain reimbursement of Freight Forwarding vertical will not be included in Turnover. Till 31/03/2016, these are being accounted under Turnover.

ANNEXURE-F

BALMER LAWRIE & CO. LTD.

FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	Actuals		April'15-Dec.15	pated (RE)	(BE)
1	2	3	4	5	6	7	8
14.	**NON-PLAN CAPITAL EXPENDITURE**	(Rs./Crores)					
	(a)Total		0.01	0.50	-	0.50	0.50
	(b)Funded by OIDB//FIs		-	-	-	-	-
	(c)Funded by IR		0.01	0.50	-	0.50	0.50
15.	Net Internal Resources available for Plan	(Rs./Crores)	79.79	50.00	22.29	100.00	50.00
16.	Approved Plan Outlay	(Rs./Crores)	158.00	100.00	100.00	100.00	50.00
17.	Actual Plan Expenditure	(Rs./Crores)		79.79		22.29	
18.	Reasons for shortfall in Expenditure compared to approved outlay (reasons should be very brief)	As regards the reasons for not achieving the targets, we would like to state that we have made commitments for capital expenditure to the tune of Rs.22.29 crores as on date. In view of above, the total plan expenditure (including commitments) upto December, 2015 amounts to Rs.112.46 crores. Hence, we do not envisage any shortfall in plan expenditure for targets for the year 2015-16. Plan expenditure for 2015-16 (RE) and 2016 17 (BE) has accordingly been projected.					
19.	Profit before Tax (after Interest & Depreciation)	(Rs./Crores)	210.44	200.00	148.21	225.00	240.00
20.	Tax Provision	(Rs./Crores)	63.00	68.00	51.60	78.00	83.10
21.	Profit after Tax	(Rs./Crores)	147.44	132.00	96.61	147.00	156.90

BIECCO LAWRIE LIMITED

6.11.1 INTRODUCTION

Biecco Lawrie Limited was incorporated in 1919 as British India Electric Construction Company Limited and became an independent Central PSU on 2.07.1979 through participation of Govt. of India as the major shareholder.

The authorized and paid up capital of the company as on 31.03.2015 stood at Rs.75 crores and Rs.74.76 crores respectively.

The company has now become a subsidiary of OIDB which was established by Govt. of India in the year 1975 under the administrative control of Ministry of Petroleum & Natural Gas. Present shareholding pattern is as follows:

	% holding
President of India	32.23
Oil Industry Development Board	67.33
Others	0.44

Others include Financial Institutions and general public hold the balance.

The company is having, at present, following business divisions;

i) **Switchgear Division:** Switchgear & Spares manufacturing and marketing.

ii) **Electrical Repair Division:** Repair of Electrical Rotating Machinery and

iii) **Project Division:** Electrical Turnkey Projects, Third Party Inspection Agency (TPIA) agency services

iv) **Petroleum Division:** Undertakes production of lubricants and oil filling/ packing operations on behalf of IOC & HPCL.

6.11.2 Physical Performance

During the year 2014-15 the company manufactured and sold 150 Nos. and 143 Nos. of Switchgear Panels respectively thus representing 11% of capacity utilization. Company has manufactured 134 Nos. Switchgear Panels during 2015-16 (upto December,2015). 790 Nos. of switchgear panels have been budgeted for 2016-17. However, this is subject to infusion of fund as per the plan of the company for both technology up gradation and working capital support. The company has plans to introduce new variant of Switchgears for widening its customer base in order to improve margins, which has come under severe stress due to presence of large number of players in the medium voltage segment.

In the Electrical Repair division during 2014-15 turnover was Rs.621 lakhs and turnover in 2015-16 is Rs 577 lakhs(Provisional). The company has budgeted for 2016-17 Rs 1000 lakhs. The company has put in extra effort for securing better order by expanding its customer base in Railways along with Steel and Coal Industries. The company has made Rate Contract Agreement / MoU with Bhilai Steel Plant, BEML etc., and is actively pursuing IISCO, NTPC and other subsidiaries of Coal India. This will help in increasing the turnover as well as strengthen its future customer base.

In its project division business (incl. TPIA) the company registered a turnover of Rs.1637 lakhs in 2014-15 and Provisional turnover for the year 2015-16 is Rs 683 lakhs. Rs 1600 lakhs has been budgeted for the year 2016-17.

6.11.3 Generation of Internal Resources

The company suffered a net loss of Rs 13.75 crores during 2014-15. For 2015-16 total loss will be around Rs9.58 crores(provisional). The profit after tax has been budgeted at Rs.34.13Crores for 2016-17

6.11.4 Financial Performance

The highlight of the financial performance of the company is given in Annexure A.

6.11.5 Gender Budgeting

Due to acute financial constraints, the company is not in a position to earmark any fund to take up " Gender Budgeting initiatives" during 2014-15. No such plan has been contemplated during 2015-16and 2016-17

ANNEXURE-A

BIECCO LAWRIE LIMITED

FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	2014-15 Actuals	2015-16 Budgeted (R.E.)	2015-16 (R.E.)	2015-16 Actual (Prov.) upto Dec. 2015 (Unaudited)	2016-17 Projected Budgeted (B.E.)	Remarks
1	2	3	4	5	6	7	8	9
1.	Sales(Excl. other income)	Rs/Crores	29.62	122.51	24.04	14.41	53.55	
2.	Cost of Sales	Rs/Crores	26.54	116.63	32.13	22.02	51.48	
3.	Cost of Sales as percentage of Sales	Percentage	89.60	95.20	133.65	152.81	96.13	
4.	Total Cost of Production	Rs/Crores	27.23	107.63	23.95	21.50	38.54	
5.	Total Sales value of Production (output)	Rs/Crores	6.24	134.76	26.44	22.02	24.05	
6.	Total cost of production as percentage of total value of production	Percentage	436	80	91	98	160	
7.	Value added per employee	Rs.	-19930	718750	471837	279762	964378	
7A.	Total value added	Rs/Crores	-0.57	19.55	11.56	7.05	22.47	
8.	Ratio of Net Profit after tax to Net Worth		N.A	N.A	N.A	N.A	N.A	
9.	Ratio of Gross margin (Profit before tax) to Capital employed		N.A	27%	N.A	N.A	N.A	
10.	Productivity							
	a) Input Output Ratio	Percentage	226	63	18	37	83	
	b) Cost of input per employee	Rs.	493007	3141544	193061	324206	852790	
	c) Value of output per employee	Rs.	218182	4954412	1079347	873810	1032189	
	d) Capital output Ratio	Percentage	8	180	35	29	32	
11.	Total Salary paid	Rs/Crores						
	a) Officers		5.13	5.76	5.64	4.29	5.59	
	b) Workmen(Technical)		3.55	2.90	3.23	1.92	3.20	
	c) Workmen(Non-Technical)		5.44	6.10	5.19	4.30	5.11	
	d) Total		14.12	14.76	14.06	10.51	13.90	

ANNEXURE-A

BIECCO LAWRIE LIMITED

FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	2014-15 Actuals	2015-16 Budgeted (R.E.)	2015-16 (R.E.)	2015-16 Actual (Prov.) upto Dec. 2015 (Unaudited)	2016-17 Projected Budgeted (B.E.)	Remarks
1	2	3	4	5	6	7	8	9
	e) Overheads		1.21	1.52	1.19	0.89	1.10	
			15.33	16.28	15.25	11.40	15.00	
12.	Utilities consumed	Rs/Crores						
	a) Electricity		0.75	1.00	0.75	0.54	0.90	
	b) Fuel		0.05	0.28	0.05	0.06	0.10	
	c) Other Items		-		-	-		
	d) Total		0.80	1.28	0.80	0.60	1.00	
13.	a) Total Fixed Costs	Rs/Crores	13.13	22.18	19.22	13.33	18.67	
	b) Total variable Costs(Input)	Rs/Crores	14.10	85.45	4.73	8.17	19.87	
14	Maintenance and Repairs	Rs/Crores	0.19	1.15	0.19	0.17	0.32	
15.	Expenditure on Travelling	Rs/Crores	0.34	1.00	0.34	0.29	0.29	
16.	Expenditure on Entertainment	Rs/lakhs	0.00	0.80	0.01	0.05	0.02	
17.	Total overtime as percentage of wages bill		4	5	4	4	4	
18.	Contribution to Central Govt. Exchequer	Rs/Crores						
	a) Cess on Crude Oil		-			-	-	
	b) Royalty		-			-	-	
	c) Dividend		-			-	-	
	d) Sales Tax		-			-	-	
	e) Excise Duty		0.36	1.25	0.35	0.66	1.25	
	f) Customs Duty		-	0.35	-	0.05	0.06	
	g) Other, if any(Specify) - CST		0.22	0.17	0.18	0.18	0.11	
19.	Contribution to State Govt.	Rs/Crores						
	a) Sales Tax		0.12	0.22	0.15	0.13	0.15	
	b) Turnover Tax & Others		0.01		0.01	0.01	0.01	
20.	Number of Employees on Rolls as on	Nos.						
	a) Officers		64	65	59	60	58	

ANNEXURE-A

BIECCO LAWRIE LIMITED

FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	2014-15 Actuals	2015-16 Budgeted (R.E.)	2015-16 (R.E.)	2015-16 Actual (Prov.) upto Dec. 2015 (Unaudited)	2016-17 Projected Budgeted (B.E.)	Remarks
1	2	3	4	5	6	7	8	9
	b) Workmen(Technical)		125	167	107	112	106	
	c) Workmen(Non-Technical)		97	40	79	80	69	
	d) Total		286	272	245	252	233	
21.	Total Gross Internal Resources Generated:(Retained Profit + Depreciation others) (Specify)	Rs/Crores	(13.39)	4.28	(9.22)	(7.97)	34.49	
22.	Net Internal Resources available for plan	Rs/Crores	-			-		
23.	Approved Plan Outlay	Rs/Crores	7.00	5.00	0.00	0.00	5.00	
24.	Actual Plan Expenditure	Rs/Crores	0.00	5.00	0.00	0.00	5.00	
25.	Reasons for shortfall in plan Expenditure compared to approved outlay(reasons should be very brief)	Rs/Crores	-			-		
26A.	Foreign Exchange Budget allotment(if any)	Rs/Crores						
	a) Materials/Equipment		-	0.40	0.30	0.50	0.40	
	b) Services		-			-		
	c) Others-Technical know-how		-			-		
			0.00	0.40	0.30	0.50	0.40	
B.	Foreign Exchange Utilisation (actual release)	Rs/Crores						
	a) Materials/Equipment		0.02	0.40	0.31	0.27	0.40	
	b) Services		-			-	-	
	c) Others-Technical know-how		-			-	-	
			0.02	0.40		0.27	0.40	

ANNEXURE-A

BIECCO LAWRIE LIMITED
FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	2014-15 Actuals	2015-16 Budgeted (R.E.)	2015-16 (R.E.)	2015-16 Actual (Prov.) upto Dec. 2015 (Unaudited)	2016-17 Projected Budgeted (B.E.)	Remarks
1	2	3	4	5	6	7	8	9
C.	Foreign Exchange out-go (actual payment)	Rs/Crores						
	a) Materials/Equipment		0.02	2.00	0.31	0.27	0.40	
	b) Services		0			-	-	
	c) Others-Technical know-how		-			-	-	
			0.02	2.00	0.31	0.27	0.40	
27.	Profit before Tax(after interest and depreciation)	Rs/Crores	(14.14)	3.58	(9.58)	(8.24)	34.13	
28.	Tax Provision	Rs/Crores	-0.4	0	0	0	0	
29.	Profit after Tax	Rs/Crores	(13.74)	3.58	(9.58)	(8.24)	34.13	
30.	Total value of Imports	Rs/Crores	-	2.00	0.31	0.27	0.40	
31.	Total value of procurement from indigenous resources	Rs/Crores	3.66	110.90		6.60		
32.	Inventories as the close of the year :							
	A. Raw Material inventory in terms of manday/ consumption Days		368	119	108	478	111	
	B. Value of Inventory of raw materials, stores & spares	Rs/Crores	5.62	7.50	5.49	5.43	7.43	
	C. Value of Inventory of Finished goods	Rs/Crores	0.80	2.50	0.78	0.54	0.85	

ANNEXURE-A

BIECCO LAWRIE LIMITED

FINANCIAL EFFICIENCY PARAMETERS

No.	Items	Unit	2014-15 Actuals	2015-16 Budgeted (R.E.)	2015-16 (R.E.)	2015-16 Actual (Prov.) upto Dec. 2015 (Unaudited)	2016-17 Projected Budgeted (B.E.)	Remarks
1	2	3	4	5	6	7	8	9
	D. Value of Inventory of Semi-finished goods	Rs/Crores	0.99	2.00	0.98	0.65	0.87	
	Value of Total Inventory (B+C+D)	Rs/Crores	7.41	12.00	7.25	6.62	9.15	
	E. Finished goods as percentage of net sales	Percentage	2.70	2.04	3.24	3.75	1.59	

MANGALORE REFINERY AND PETROCHEMICALS LIMITED MANGALORE

6.12.1 INTRODUCTION

Mangalore Refinery and Petrochemicals Ltd (MRPL), a subsidiary of ONGC, is a schedule-A Mini Ratna Category-I Company situated in Mangalore (Karnataka). The authorized and paid up share capital (including preference share capital) of the company is Rs. 3,000.00 and Rs. 1,752.66 crore respectively. The refining capacity of the company is 15 MMTPA representing about 7% of the country's refining capacity. MRPL is the only Poly-propylene manufacturer in south India.

6.12.2 Physical Performance

The highlights / salient features of physical performance are as under:

Particulars	Unit	2013-14 Actuals	2014-15 Anticipated	2015-16 Projected
Crude Throughput	MMT	14.55	14.87	15.00
Distillate Yield	%	74.62	72.77	75.36
Turnover (Excluding duties & taxes)	Rs/Crs	72,234	65,112	73,289
Export in Quantitative Term	MMT	6.73	4.83	4.02
Performance under MoU	Rating by DPE	Very Good	Yet to be assessed	—

The details of Production Targets / Achievements are as below

Particulars	Unit	2013-14		2014-15			2015-16
		RE	Actuals	BE	RE	Actuals upto Dec-14	BE
Throughput	MMT	14.26	14.55	14.80	14.87	10.53	15.00
Production	MMT	13.19	13.40	13.72	13.43	9.46	13.60
Fuel & Loss	MMT	1.07	1.15	1.26	1.44	1.07	1.40

6.12.3 Budget Outlays

The details of the plan outlay/expenditure are as below:

Rs/Crores

2013-14			2014-15	2015-16
Actuals	BE	RE	Actuals upto Dec-14	BE
1448.72	1300.15	1880.00	1030.69	1564.00

(1) **On-going Projects / Schemes**

(A) <u>Phase-III Refinery Up-gradation cum Expansion Project</u>:

All processing units, utilities and other associated facilities except Poly-propylene unit have been completed in a phased manner with CPP-III coming into operation in Sept, 2014. Punch list points / teething problems normally encountered in initial operational stage of such mega project are being attended to. Poly-propylene unit is mechanically complete and it's commissioning/ trial run is expected by mid of Feb, 2015.

With secondary processing units of phase-III project going on stream, the distillate yield and capability to process lower API & high TAN crudes would increase. Production of value added product (poly-propylene) would also start by end of current year and this would add to the margins of the Company.

(B) <u>Single Point Mooring Facility (SPM)</u>:

The Single Point Mooring facility is in operation. This facility enables the Company import crude through Suez Max crude carriers which economises the freight to a certain extent till such time facility to store larger volumes of crude oil is completed by ISPRL. This facility also enables the Company source cheaper crude from West African, Venezuelan & Maxican markets.

(C) <u>Physical Progress of On-going Schemes as on Dec-2014</u>

Project Particulars	Scheduled Progress	ActualProgress
Phase-III Refinery Up-gradation cum Expansion Project	100 %	99.95 %
Poly-Propylene Unit	100%	97.5%

(D) Sources of Funds for Project (Plan Expenditure)

The project expenditure has been met from internal resources and long term loans taken from OIDB & ONGC and external commercial borrowing (ECB). The outlay for remaining period of project completion shall also be met from unutilized ECB drawals.

6.12.4 Profitability

(a) Profit Before Tax

	Unit	2013-14 Actuals	2014-15 (RE) Anticipated	2014-15 Actuals upto Sept	2015-16 (BE) Projected
Profit/ (Loss) before Tax	Rs/Crs	410.04	(303.37)	(1457.84)	1116.18

(b) Profit After Tax -

	Unit	2013-14 Actuals	2014-15 (RE) Anticipated	2014-15 Actuals upto Sept	2015-16 (BE) Projected
Profit/ (Loss) after Tax	Rs/Crs	601.18	166.90	(987.57)	736.79

6.12.5 Gender Budgeting

(i) Statutory Obligations

Women employees are given equal opportunities in work place. Benefits like maternity benefit, nursing break facilities, separate rest room etc specially meant for women employees are also provided apart from other benefits applicable to employees. As provided for under the Law, Sexual Harassment Committee is in place.

(ii) Training and Development

Women employees are exposed to exclusive training programmes on Gender Sensitivity, Personality Development, Leadership Development, Effective Communication etc in addition to job related trainings. Health check-ups are also done by Company's hospital, as done for other employees. Participation by women employees in batches in programmes conducted by WIPS (Women in Public Sector) is ensured as well.

(iii) Socio Economic Activity

Women employees are encouraged to participate in cultural activities organized in Employees Club in Township and outside (within city limits). Various awareness programmes are also organized for women employees.

(iv) Development Programmes under CSR

- Skill development training programmes for poor & unemployed women have been / are being held during current year and are also planned to be held during 2015-16 under Company's corporate social responsibility programme.
- Construction of Toilets in schools for students especially for female students project is also under progress under the auspices of Swachh Bharat Abhiyan.

ANNEXURE-A

Mangalore Refinery & Petrochemicals Limited

Financial Efficiency Parameters

Sl. No.	Details	Unit	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 Actual upto Dec. 2015	2016-17 BE
1	Sales (Net of Excise Duty)	Rs/Crore	55,550.77	73,288.95	41,810.94	30,151.24	40,526.73
2	Cost of Sales	Rs/Crore	56,925.91	71,041.30	39,308.81	28,893.91	35,153.61
3	Cost of Sales as percentage of Sales	%	102%	97%	94%	96%	87%
4	Total Cost of Production	Rs/Crore	56,672.56	70,825.31	39,019.36	28,624.63	35,025.57
5	Total Sale Value of Production	Rs/Crore	55,550.77	73,288.95	41,810.94	30,151.24	40,526.73
6	Cost of Production as percentage of Sale value of production	%	102%	97%	93%	95%	86%
7	Total Value added	Rs/Crore	(1,375.15)	2,247.65	2,502.13	1,257.33	5,373.12
8	Value added per employee	Rs/Crore	(0.80)	1.13	1.27	0.70	2.74
9	Ratio of Profit After Tax to Net Worth	%	-32.28%	9.33%	9.01%	-5.36%	29.45%
10	Ratio of Gross Margin to Capital employed	%	-12.68%	17.10%	19.97%	7.85%	50.54%
11	Contribution to Central Exchequer						
	(a) Cess/Excise Duty/Service Tax	Rs/Crore	4,891.71	7,117.20	10,184.89	7,020.48	12,083.24
	(b) Royalty	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(c) Customs Duty	Rs/Crore	68.18	66.75	123.10	104.22	61.10
	(d) Corporate tax, FBT/W Tax	Rs/Crore	88.38	379.39	204.40	33.00	1,287.84
	(e) Tax on Foreign Companies A/c	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(f) Dividend	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(g) Tax on Dividend	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	Sub-total (11)	Rs/Crore	**5,048.27**	**7,563.34**	**10,512.40**	**7,157.70**	**13,432.19**
12	Contribution to State Exchequer						
	(a) Sales Tax including turnover tax, RST, CST & VAT	Rs/Crore	656.70	775.92	744.70	537.03	721.83
	(b) Royalty	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(c) Octroi/BPT Duties & Entry Tax	Rs/Crore	272.18	407.90	272.96	200.28	242.76
	Sub-Total (12)	Rs/Crore	**928.88**	**1,183.82**	**1,017.66**	**737.31**	**964.59**

ANNEXURE-A

Mangalore Refinery & Petrochemicals Limited

Financial Efficiency Parameters

Sl. No.	Details	Unit	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 Actual upto Dec. 2015	2016-17 BE
12A	Total Contribution to Central/State Exchequer (11+12)	Rs/Crore	5,977.15	8,747.16	11,530.06	7,895.01	14,396.77
13	Number of Employees on roll		1,720	1,995	1,974	1,803	1,963
14	Total Manpower Cost	Rs/Crore	246.65	332.12	341.26	222.51	389.08
15	Retained Profit	Rs/Crore	(1,712.23)	736.79	525.45	(205.19)	2,433.38
16	Internal Resources Generated	Rs/Crore	(1,657.28)	1,374.26	1,141.27	262.31	3,055.55
17	Net Internal Resources available for plan	Rs/Crore	13,016.07	12,236.33	1,862.19	11,355.59	2,270.75
18	External Resources - ECB / Suppliers Credit	Rs/Crore	0.00	0.00	0.00	0.00	0.00
19	Gross Resources available for Plan	Rs/Crore	13,016.07	12,236.33	1,862.19	11,355.59	2,270.75
20	Approved Plan outlay	Rs/Crore	2,747.36	1,564.00	1,213.77	785.96	169.35
21	Foreign exchange outgo	Rs/Crore					
	(a) Goods & Services	Rs/Crore	49,006.50	63,483.35	33,315.09	24,812.83	26,658.42
	(b) Interest	Rs/Crore	125.00	122.50	143.19	80.90	170.87
	Sub-total (21)	Rs/Crore	**49,131.50**	**63,605.85**	**33,458.28**	**24,893.73**	**26,829.29**
22	Foreign exchange earnings	Rs/Crore	19,508.00	22,066.52	9,223.70	6,361.71	9,120.22
23	Profit/(Loss) Before Tax (after Interest & Depreciation)	Rs/Crore	(2,155.56)	1,116.18	803.54	(205.19)	3,721.22
24	Provision for Tax	Rs/Crore	0.34	379.39	278.09	0.00	1,287.84
24A	Deferred Tax	Rs/Crore	(443.66)	0.00	0.00	0.00	0.00
25	Profit After Tax	Rs/Crore	(1,712.23)	736.79	525.45	(205.19)	2,433.38

ANNEXURE-B

Mangalore Refinery & Petrochemicals Limited

Financial Efficiency Parameters Part -1 (Retained Profit / Surplus)

Sl. No.	Details	Unit	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 Actual upto Dec. 2015	2016-17 BE
1	**Receipts**						
	(i) Sales (net of excise duty)	Rs/Crore	55,550.77	73,288.95	41,810.94	30,151.24	40,526.73
	(ii) Other Income	Rs/Crore	18.33	7.80	10.43	6.94	13.18
	(iii) Interest Receipts	Rs/Crore	790.46	128.78	569.00	606.11	126.31
	Sub Total (1)		**56,359.56**	**73,425.53**	**42,390.37**	**30,764.29**	**40,666.23**
2	**Operating Cost**						
	(i) Raw Material Cost	Rs/Crore	55,981.70	70,027.47	38,144.79	27,988.21	33,924.38
	(ii) Salaries & Wages	Rs/Crore	246.65	332.12	341.26	222.51	389.08
	(iii) Maintenance, Utilities	Rs/Crore	256.54	252.40	304.78	245.24	382.11
	(iv) Selling & Dist. Expenses	Rs/Crore	253.35	215.98	289.46	269.27	128.04
	(v) Other Cost	Rs/Crore	871.17	213.33	1,241.43	1,344.67	330.00
	Sub Total (2)		**57,609.41**	**71,041.30**	**40,321.72**	**30,069.90**	**35,153.61**
3	Depreciation & Write Offs	Rs/Crore	498.61	637.47	615.82	467.50	622.17
4	Interest Payment						
	(i) Central Govt.	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(ii) Others	Rs/Crore	407.09	630.59	649.30	432.08	1,169.22
	Sub Total (4)		**407.09**	**630.59**	**649.30**	**432.08**	**1,169.22**
5	Profit/(Loss) Before Tax	Rs/Crore	(2,155.56)	1,116.18	803.54	(205.19)	3,721.22
6	Provision for Corporate Tax- Current Tax	Rs/Crore	0.34	379.39	278.09	0.00	1,287.84
6a	Defered Tax Liability	Rs/Crore	(443.66)	0.00	0.00	0.00	0.00
7	Profit After Tax	Rs/Crore	(1,712.23)	736.79	525.45	(205.19)	2,433.38
8	Dividend payments to Central Govt. & Others	Rs/Crore	0.00	0.00	0.00	0.00	0.00
9	Tax on Dividend	Rs/Crore	0.00	0.00	0.00	0.00	0.00
10	Retained Surplus carried over to Part-II	Rs/Crore	(1,712.23)	736.79	525.45	(205.19)	2,433.38

ANNEXURE-C

Mangalore Refinery & Petrochemicals Limited

Financial Efficiency Parameters Part -II (Generated Internal and extra Budgetary Resources for plan schemes)

Sl. No.	Details	Unit	2014-15 Actual	2015-16 BE	2015-16 RE	2015-16 Actual upto Dec. 2015	2016-17 BE
1	Retailed Profit Surplus from Part-I	Rs/Crore	(1,712.23)	736.79	525.45	(205.19)	2,433.38
2	Add: (a) Depreciation & Write Offs	Rs/Crore	498.61	637.47	615.82	467.50	622.17
	(b) Defered Tax	Rs/Crore	(443.66)	0.00	0.00	0.00	0.00
3	Deduct						
	(i) Loan Repay Govt.India	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(ii) Loan Repay Others	Rs/Crore	939.15	1,095.72	1,166.30	698.03	1,282.92
	(a) Total Loan Repayments	Rs/Crore	939.15	1,095.72	1,166.30	698.03	1,282.92
	(b) Net Increase/Decrease in Working Capital	Rs/Crore	(4,993.00)	(1,435.46)	8,291.49	(1,554.85)	(74.70)
	(c) Non-Plan Capital Requirement	Rs/Crore	52.83	150.00	90.00	32.25	225.00
	Sub Total (3)		**(4,001.02)**	**(189.74)**	**9,547.79**	**(824.57)**	**1,433.22**
4	Adjusted internal Resources available for Plan schemes	Rs/Crore	2,343.74	1,564.00	(8,406.52)	1,086.88	1,622.33
5	Carry forward surplus available from pervious year	Rs/Crore	10,672.33	10,672.33	10,268.71	10,268.71	648.42
6	Total Internal Resources (4+5)	Rs/Crore	13,016.07	12,236.33	1,862.19	11,355.59	2,270.75
7	Extra Budgetary Resources						
	(a) Other Loans	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(b) Indian Loans (OIDB)	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(c) Project Tied Credit (WB,ADB)	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(d) Line of Credit - ECB / Suppliers Credit/ Others	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	(e) Cash credit (SBI)	Rs/Crore	0.00	0.00	0.00	0.00	0.00
	Sub Total (7)		**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
8	Total Internal & External Budgetary Resources (6+7)	Rs/Crore	13,016.07	12,236.33	1,862.19	11,355.59	2,270.75
9	Plan Outlay	Rs/Crore	2,747.36	1,564.00	1,213.77	785.96	169.35
10	Surplus / Deficit for the Year	Rs/Crore	10,268.71	10,672.33	648.42	10,569.63	2,101.40

ENGINEERS INDIA LIMITED (EIL)

6.13.1 INTRODUCTION

Engineers India Limited (EIL) is a leading design engineering and project management consultancy organisation setup in 1965 with it's headquarter situated in New Delhi. The Government of India holds 59.37% in the paid up share capital of the company. Since its inception, EIL has been serving the petroleum, petrochemical and other process industries along with the non-ferrous metallurgical industry. EIL provides a complete and comprehensive range of project services to these industries. The service range spans process design, detailed engineering, procurement, construction and project management to supervisory assistance for commissioning and plant start-up.

EIL has a wholly owned subsidiary company, Certification Engineers International Ltd, which provides certification and inspection services.

6.13.2 Physical Performance

Being a consultancy organisation, EIL executes projects for its clients. As such, it has no refinery/marketing terminal etc. of its own, thus no physical targets have been laid down.

6.13.3 Financial Performance

The details of Financial Performance are given in Annexure – A for the financial years 2014-15 and 2015-16 along with targets for 2016-17.

6.13.4 Gender Budgeting

a) EIL provides equal employment opportunity and status to all its employees irrespective of gender. EIL has a Women's Forum with a specific budget to empower, educate, encourage and motivate women employees in the organization. The Forum has women members as its core committee and it focuses overall development leading to improvement of quality of work and personal life. Budgetary allocation to this Forum, for women-oriented activities was Rs 10 lakhs for 2015-16, while it was Rs 9.5 lakhs in the previous year 2014-15. For the year 2016-17, the budgetary allocation to the Women's Forum is Rs 10 lakhs.

b) Women's Day is celebrated every year with an objective to encourage women's participation and recognition of women employees.

(i) Statutory Obligations

The Women Forum is authorized as the Gender Budgeting Cell and presently looking after overall welfare of women employees within the organization.

(ii) Training and Development

During 2015-16 (up to 31.12.2015), women employees participated in both in-house and external training programmes aggregating 1004 training days. Out of these, 106 Training days were spent on creating Women Leaders through

Leadership Development Programs such as Building Managerial effectiveness Programs, Management Development Programs and “Aarohan”. Women Leaders (16 nos.) were developed through this intervention in the FY 2015-16.

436 training days were spent on in-house training programmes which comprised of soft skills training like Empowering Women Leadership, Mentoring to Mentors, Self Management, Train the Trainer, Connect 360, Workplace Communication Skills, Putting Customer First, Creating Winning Teams, Women Development, Women Safety at Workplace etc and 258 Training days were spent in Domain specific training programs. 102 Training Man days were spent on women participation in external nomination based training programs and 45 women employees attended these programs.

Similarly, during the preceding financial year 2014-15, of the total 1436 training days on training of female employees, 282 training days were spent on in-house soft skills training programmes and 428 Training days were spent in Domain specific training programs. 487 Training Man days were spent on women participation in external nomination based training programs and 124 women employees attended those programs.

For the year 2016-17, one program on Women Development, 39 Soft Skill (Behavioural Programs) and 93 Domain Programs are proposed in Annual Training Calendar in which women employees will also participate. They will be nominated to external training program also as per requirement of the Company.

(iii) Percentage of Women Employees

Women employees comprise 12.52 per cent (as on 31.12.2015) of the total strength of the company.

The Board of Directors of EIL includes 3 women Directors (01 Functional Director i.e. Director – HR, 01 Government nominee and 01 Non-Official Part time Independent Director).

ENGINEERS INDIA LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Annexure 'A'
(Rupees in Crores)

Sl. No.	Description	Unit	2014-15 Actuals	2015-16 BE Base Estimates	2015-16 RE	2015-16 April'15 - Dec.15 Provisional	2016-17 (Projected)	Remarks
1	2	3	4	5	6	7	8	9
1.	SALES	Rs./Cr.	1713	2000	-	1209	1550	
2.	COST OF SALES	Rs./Cr.	1519	1825	-	1108	1410	*Including prior period expenditure*
3.	COST OF SALES AS % OF SALES	%	89%	91%	-	92%	91%	
4.	TOTAL COST OF PRODUCTION	Rs./Cr.	—	—	—	—	—	
5.	TOTAL SALE VALUE OF PRODUCTION	Rs./Cr.	—	—	—	—	—	
6.	TOTAL COST OF PRODUCTION AS % OF TOTAL VALUE OF PRODUCTION	%	—	—	—	—	—	
7.	VALUE ADDED	Rs./Cr.	1130	1142	-	683	989	*Turnover less: Subcontract, Construction material,outsoucing R&D consumables.*
7A.	VALUE ADDED PER EMPLOYEE	Rs./Cr.	0.35	0.38	-	0.22	0.33	*closing no of employee*

ENGINEERS INDIA LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Annexure 'A'
(Rupees in Crores)

Sl. No.	Description	Unit	2014-15 Actuals	2015-16 BE Base Estimates	2015-16 RE	2015-16 April'15 - Dec.15 Provisional	2016-17 (Projected)	Remarks
1	2	3	4	5	6	7	8	9
8.	RATIO OF NET PROFIT AFTER TAX TO NET WORTH	%	12%	11%	-	7%	9%	
9.	RATIO OF GROSS MARGIN (PROFIT BEFORE TAX +DEP.TO CAPITAL EMPLOYED)	%	8%	7%	-	4%	6%	*Capital Employed=Net Worth* G.M is excl. other income
10.	PRODUCTIVITY:							
	a) INPUT OUTPUT RATIO				NOT APPLICABLE			
	b) COST OF INPUT PER EMP.							
	c) VALUE OF OUTPUT PER EMP.							
11.	TOTAL SALARY PAID:	RS./CR.	592	640	-	451	621	
12.	UTILITIES:							
a)	ELECTRICITY		|					
b)	FUEL		|					
c)	OTHER ITEMS		|		NOT APPLICABLE			
d)	TOTAL		|					
			|					
13.	a) TOTAL FIXED COSTS		|					
	b) TOTAL VARIABLE COSTS		|					

ENGINEERS INDIA LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Annexure 'A'
(Rupees in Crores)

Sl. No.	Description	Unit	2014-15 Actuals	2015-16 BE Base Estimates	2015-16 RE	2015-16 April'15 - Dec.15 Provisional	2016-17 (Projected)	Remarks
1	2	3	4	5	6	7	8	9
14.	MAINTENANCE AND REPAIRS	RS./ CR.	25	35	-	24	36	
15.	EXPENDITURE ON TRAVELLING	RS./ CR.	81	78	-	55	74	Including living Allowance
16.	EXPENDITURE ON ENTERTAINMENT	RS./ CR.	2	2	-	1	2.5	
17.	TOTAL OVERTIME AS % OF WAGE BILL	%			insignificant below 0.5%			
18.	CONTRIBUTION TO CENTRAL GOVT.	RS./ CR.						*for the respective Financial year*
	EXCHEQUER							*for the respective Financial year*
a)	CESS ON CRUDE OIL		—	—	—	—	—	
b)	ROYALTY		—	—	—	—	—	
c)	DIVIDEND		140	104	-	—	100	
d)	TAX ON (C) ABOVE		37	30	-	—	34	
e)	SALES TAX		—	—	—	—	—	
f)	EXCISE DUTY		—	—	—	—	—	
g)	CUSTOM DUTY (CASH BASIS)		—	—	—	—	—	
h)	SERVICE TAX (CASH BASIS)		94	95	—	54	95	*Provision for Tax including Deffered Tax*
i)	OTHERS(CORPORATE TAX)		160	155	-	104	123	

ENGINEERS INDIA LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Annexure 'A'
(Rupees in Crores)

Sl. No.	Description	Unit	2014-15 Actuals	2015-16 BE Base Estimates	2015-16 RE	2015-16 April'15 - Dec.15 Provisional	2016-17 (Projected)	Remarks
1	2	3	4	5	6	7	8	9
19.	CONTRIBUTION TO STATE GOVT.:	RS./ CR.						
a)	SALES TAX (INCL. VAT) (Cash basis)		0.23	—	—	0.02	—	
b)	OTHERS		—	—	—	—	—	
20.	CLOSING NUMBER OF EMPLOYEES ON ROLL AS ON:	NOs.	3192	3000	—	3041	2960	
	CONTRACT EMPLOYEES	NOs.	—	—	—	—	—	
21.	TOTAL GROSS INTERNAL RESOURCES GENERATED	RS./ CR.	126	140	-	207	58	*Retained profit + Depreciation*
22.	NET INTERNAL RESOURCES AVAILABLE FOR PLAN	RS./ CR.		No plan Outlay of EIL				
23.	APPROVED PLAN OUTLAY/PROPOSED TARGET	RS./ CR.						
24.	ACTUAL PLAN EXPENDITURE	RS./ CR.	—	—	—	—	—	
25.	REASONS FOR SHORT FALL IN PLAN EXPENDITURE COMPARED TO APPROVED OUTLAY		—	—	—	—		

ENGINEERS INDIA LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Annexure 'A'
(Rupees in Crores)

Sl. No.	Description	Unit	2014-15 Actuals	2015-16 BE Base Estimates	2015-16 RE	2015-16 April'15 - Dec.15 Provisional	2016-17 (Projected)	Remarks
1	2	3	4	5	6	7	8	9
26.	FOREIGN EXCHANGE							
A.	BUDGET ALLOTMENT							
a)	SUBCONTRACT / MATERIAL	RS./	—	—	—	—	—	
b)	TECHNICAL KNOW-HOW	CR.	—	—	—	—		
c)	OTHERS(ROYALTY,FOREIGN TRV. BOOKS,TRAVELLING TRANSFER OF FUNDS, ETC.)		—	—	—	—	—	
	TOTAL		—	—	—	—	—	
26.	FOREIGN EXCHANGE							
B.	UTILIZATION(ACTUAL RELEASE)							
a)	SUBCONTRACT / MATERIAL	RS./	48	—	—	92	—	
b)	TECHNICAL KNOW-HOW	CR.	3	—	—	3	—	
c)	OTHERS(ROYALTY,FOREIGN TRV. BOOKS,TRAVELLING TRANSFER OF FUNDS, ETC.)		47	—	—	39	—	
	TOTAL		98	—	—	134	—	
26.	FOREIGN EXCHANGE							
C.	ACTUAL PAYMENT							
a)	SUBCONTRACT / MATERIAL	RS./ CR.	48	—	—	92	—	

ENGINEERS INDIA LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Annexure 'A'
(Rupees in Crores)

Sl. No.	Description	Unit	2014-15 Actuals	2015-16 BE Base Estimates	2015-16 RE	2015-16 April'15 - Dec.15 Provisional	2016-17 (Projected)	Remarks
1	2	3	4	5	6	7	8	9
b)	TECHNICAL KNOW-HOW		3	—	—	3	—	
c)	OTHERS(ROYALTY,FOREIGN TRV. BOOKS,TRAVELLING TRANSFER OF FUNDS, ETC.)		47	—	—	39	—	
	TOTAL		98	—	—	134	—	
27.	PROFIT BEFORE TAX (AFTER INTEREST DEPRECIATION)	RS./ CR.	468	456	-	292	355	
28.	TAX PROVISION		160	155	-	104	123	
29.	PROFIT AFTER TAX		308	301	-	188	232	
30.	TOTAL VALUE OF IMPORTS		—	—	—	—	—	
31.	TOTAL VALUE OF PROCURMENT FROM INDIGENOUS SERVICES		| | | |					
32.a)	VALUE OF INVENTORY OF RAW MATERIALS, STORES,SPARES		| | | |					

ENGINEERS INDIA LIMITED
FINANCIAL EFFICIENCY PARAMETERS

Annexure 'A'
(Rupees in Crores)

Sl. No.	Description	Unit	2014-15 Actuals	2015-16 BE Base Estimates	2015-16 RE	2015-16 April'15 - Dec.15 Provisional	2016-17 (Projected)	Remarks
1	2	3	4	5	6	7	8	9
b)	RAW MATERIAL INVENTORY IN TERMS OF MANDAY/ CONSUMPTION.							
c)	VALUE OF INVENTORY OF FINISHED GOODS							
d)	VALUE OF INVENTORY OF SEMI FINISHED GOODS VALUE OF TOTAL INVENTORY							
e)	FINISHED GOODS AS PERCENTAGE OF NET SALES.							

EIL BEING TECHNICAL CONSULTANCY ORGANISATION DOES NOT MAINTAIN ANY INVENTORY OF RAW MATERIALS,SEMI FINISHED OR FINISHED GOODS,ETC.EXCEPT A NOMINAL INVENTORY OF STORES & SPARES REQUIRED IN RESPECT OF CONSUMABLES.

OIL INDUSTRY DEVELOPMENT BOARD

6.14.1 Objectives of the Oil Industry Development Board (OIDB) and Functions of the Board:

The Oil Industry Development Board was established on 13th January, 1975 under the Oil Industry (Development) Act, 1974 to provide financial and other assistance for development of Oil Industry. The functions of the Board, as defined in Section 6 of the Act, involve rendering financial assistance including loans and grants for the promotion of all such activities as are conducive to the development of the Oil Industry.

6.14.2 Organizational Setup

The Board under the Chairmanship of Secretary, MOP&NG consists of (i) Not more than 3 members representing Ministries dealing with Petroleum & Chemicals, (ii) Two members representing Ministry of Finance, (iii) Not more than five members representing oil PSUs, (iv) One member to represent labour employed in oil industry & (v) One expert having special knowledge or experience of Oil Industry. The Secretariat of the Board is headed by Secretary, OIDB who is ex-officio Member Secretary to the OID Board.

6.14.3 Resources of the Board

The funds required for various activities, envisaged under the Act, are made available by the Central Government after due appropriation by Parliament from the proceeds of Cess levied and collected on indigenous crude oil. So far OIDB has received an amount of Rs.902.40 crore only from the Government. This amount together with the internal receipts generated as interest income on the loans given to various oil sector companies and short term investment of surplus funds has accumulated to Rs.11210.80 crore as on 31st March, 2015.

6.14.4 Deployment of Funds

During 2015-16 (till 31.12.2015), OIDB has extended loan assistance of Rs.1176.50 crore to M/s. Brahmaputra Cracker and Polymer Ltd. (BCPL), M/s. Bharat Petroleum Corporation Ltd. (BPCL), Hindustan Petroleum Corporation Ltd.(HPCL), M/s. Biecco Lawrie & Co. Ltd and Indian Oil Corporation Ltd. (IOCL) and Grants of Rs. 169.56crore to regular grantee institutions viz. DGH, PCRA, CHT, OISD and PPAC, Rajiv Gandhi Institute of Petroleum Technology (RGIPT) and R&D projects. The OIDB has also been providing equity contribution for construction of Strategic Storage for crude oil to Indian Strategic Petroleum Reserves Limited (ISPRL), a wholly owned subsidiary of OIDB. During 2015-16 (till 31.12.2015), an amount of Rs.144.03 crore was released to ISPRL as advance against equitycontribution.

6.14.5 Budget Outlays of Oil Industry Development Board

Budgetary outlays of OIDB are given in the following table:

Rs. in crore

2014-15			2015-16		2016-17
BE	RE	Actuals	BE	RE	BE
2775.84	2992.54	2477.64	2493.97	3036.55	2614.44

6.14.6 Profitability

During the next financial yeari.e. 2016-17, Oil Industry Development Board's revenue generation is estimated at Rs. 653.47 crore approximately.

Table showing revenue generation and profit earned during 2014-15 and 2015-16 (upto 31.12.2015) and estimated revenue receipts during 2016-17 is as under:

Rs. In crore approx.

Particulars	2014-15 Actual	2015-16 (upto 31.12.15) (provisional)	2016-17 Estimated
Revenue generation	723.99	493.96	653.47
Profit before tax	306.62	312.10	-
Profit after tax	202.40	206.02	-

OIL INDUSTRY SAFETY DIRECTORATE

6.15.1 Introduction

Oil Industry Safety Directorate (OISD) is a technical directorate under the Ministry of Petroleum and Natural Gas and has been entrusted with the responsibility of formulating standards, overseeing its implementation through safety audits in petroleum industry to enhance safety levels and reduce risk inherent with this industry. OISD standards cover the entire activities pertaining to hydrocarbon sector i.e. exploration & production, refining, gas processing, storage, distribution, environment etc. which are implemented on self-regulatory basis by Oil & Gas companies. The Oil Industry Safety Directorate assists Safety Council under the Ministry of Petroleum and Natural Gas. The safety council is headed by Secretary, P&NG as Chairman and includes Additional Secretary, Joint Secretaries, Chief Executives of all Public Sector Undertakings under the Ministry, Chief Controller of Explosives, Advisor (Fire) of the Government of India, Director General – Mines Safety, Director General of Factory Advice Service & Labour Institutes and at least two Chief Executives from private / JV companies, on rotation basis as members. The present Safety Council is having representation from five Chief Executives of Private/JV Oil companies. ED-OISD acts as member secretary to the Safety Council.

Petroleum & Natural Gas (Safety in Offshore Operations) Rules, 2008 were notified in the Gazette of India to regulate safety in offshore oil and gas exploration, production, drilling & related activities; and Oil Industry Safety Directorate was designated as Competent Authority to exercise the powers and functions as stipulated in these rules, 2008 vide Gazette notification issued in June'2008.

Our goal is to enhance safety in oil & gas Installations in co-ordination with industry members both public and private sector.

Jurisdiction of OISD

The activities of Public Sector Undertakings, Private Companies, Joint Ventures in the hydrocarbon industry covered by OISD are as under.

a. All Exploration and Production operations in onshore and offshore

b. All refinery operations.

c. Pipeline operations in the storage, transportation, distribution and marketing of crude oil and petroleum products.

d. Processing of hydrocarbons for the production of bulk petroleum-chemicals in the large scale sector.

6.15.2 Review of Past Performance:

1.0 **Standardization**

OISD develops Standards / Guidelines / Recommended Practices for the oil and gas sector thru a participative process involving all the stakeholders (including the public at large), drawing inputs from international standards

and adapting them to Indian conditions by leveraging the experience of the constituents. These standards cover inbuilt design safety, asset integrity and best operating practices in the field of production, processing, storage and transport of petroleum.

OISD standards are reviewed periodically to ascertain needs of developing new standards, updating / amending existing standards to incorporate the latest technological developments as well as current experiences on the ground. As on date, OISD has developed 118 technical safety standards for the oil industry. 11 of these standards had also been included in statutory provisions of the Petroleum Rules,2002 and the Gas Cylinder Rules.2004.

During the year 2015-16, OISD has formulated two numbers of New Standards and revised 08 Numbers of the existing standards. These standards after following the extant process of their revision were adopted by the OISD Steering Committee in its 51st meeting held at OISD on 26th June 2015. The standards shall be put up for approval of the Safety Council in its next (32nd)Meeting.

Currently, four numbers of New Standards are under formulation and another four numbers of existing OISD Standards have been taken up for revision/amendments.

6.15.2 Safety Audits

OISD carries out safety audits of Oil & Gas installations on regular basis. Such audits include External safety Audits as well as Surprise Safety Audits of Installations. Critical examination of all the components of the safety management system viz. Management policy, management attitude towards safety, safety training, review of plant layouts, operating/inspection/maintenance procedures, emergency preparedness plans, usage of personal protective equipment, fire/accident records, fire protection etc., are integral part of these audits.

Further, OISD also carries out Pre-commissioning safety audits of new projects in Oil and Gas industry for ensuring safe and smooth commissioning of these new / revamped units.

Installations of PSU as well as Private sector companies in on land as well as in offshore areas are audited periodically. The findings of the audit are shared at local level i.e.with the personnel at Installations, to the Heads of the respective Organizations and to the concerned sections at Ministry of Petroleum and Natural Gas. These are reviewed periodically to ensure implementation.

Compliance of OISD audits recommendations is also regularly monitored at Board Level of the respective companies.

During the process of audits, in addition to ensuring compliance to various OISD Standards, the multidisciplinary audit team with representation of experienced personnel from the Oil & Gas Sector, also shares the best practices for overall enhancement of Safety of the Installation.

2014-15:

During the year Safety Audits of 19 nos. refineries and gas processing plants, 53 nos. marketing locations (POL terminal/Depot, LPG Plants), 60 nos. Onland E&P installations, 11 nos. offshore E&P installations and 6014 KMS of cross country pipeline were completed. Pre-commissioning Safety Audits in 22 nos. refinery locations, 36 nos. marketing installations and 550 Kms of cross country pipelines were completed during the year.

2015-16:

During the year (As of January'2016), Safety Audits of 10 nos. refineries and gas processing plants, 42 nos. marketing locations (POL terminal/Depot, LPG Plants), 50 nos. Onland E&P installations, 14 nos. offshore E&P installations and 6300 KMS of cross country pipeline were completed. Pre-commissioning Safety Audits in 20 nos. refinery locations, 43 nos. marketing installations and 567 Kms of cross country pipelines were completed during the year.

6.15.4 Safety Performance Evaluation of Industry

Annual evaluation of Safety performance of the competing organizations/installations for the 'Oil Industry Safety Awards' is carried out with the help of a very dynamic and stringent criteria which takes into consideration, the total loss concept i.e. fatalities, fires, lost time, direct & indirect losses etc. and also the hazard potentials. During the process of safety performance evaluation, occurrence of fatal incident in any installation is viewed very seriously and Installations, where any such incident has occurred during the year, are totally debarred from the process of evaluation for that particular year regardless of their safety performance otherwise.

Oil Industry Safety Awards for 2013-14 had been handed over to the recipients on 04thAugust, 2015by Hon'ble Minister of State (Independent Charge) for Petroleum & Natural Gas in a glittering function at Delhi. Safety awards were presented in the following groups:

(i) Exploration & Production (Oil & Gas Assets (Onshore); Offshore Production Platforms)

(ii) Refineries & Gas Processing Plants (Refineries; Other Processing plants)

(iii) Cross Country Pipelines (Crude Pipeline; Gas/LPG Pipeline; Product Pipeline)

(iv) Oil Marketing Companies (POL Marketing Organizations; LPG Marketing Organizations)

(v) Most consistent safety performer (Refineries)

(vi) Individual's Contribution to Safety

(vii) Near Miss Reporting - Best Organizations

6.15.5 Safety in Offshore Operation:

OISD is the safety regulator for upstream offshore operations in India. OISD has MOU with Bureau of Safety and Environmental Enforcement (BSEE) of the Department of the Interior, USA for knowledge sharing and capacity building in the area of offshore safety.

As part of its regulatory functions, OISD accords consent for operation of offshore installations. During the Year 2014-15, OISD accorded consent for operation to18offshoreinstallations; and during 2015-16 (As of January, 2016) OISD has accorded consent for operation of 82 offshore installations.

6.15.6 Training Program / Conferences

Technical conference/Workshops covering entire oil industry are conducted by OISD to discuss latest technological developments, sharing of experiences etc.

2014-15:

(i) One day Workshop on "Safety & Integrity of Cross Country Oil & Gas Pipelines" was organized on 25th August, 2014.

(ii) Joint Seminar with API on the theme 'Enhancing Process Safety Implementation in Oil & Gas Industry' was held during 17th – 18th November, 2014.

(iii) Joint Seminar with AIChE on 'Process Safety Management' was held during 5-6 Dec, 2014.

(iv) A Workshop on the subject 'Managing Risk of Major Accidents in the Oil & Gas industry-Need for a change', wasorganizedon 15th Jan, 2015.

(v) Joint one day technical seminar with GAIL (India) on the subject "Critical Safety Issues associated with cross-country pipelines for transportation of Petroleum & Natural Gas" was held on 20th February, 2015.

2015-16:

(i) Two day joint workshop with ONGC on 'Well Control & Workover Operations' at Chennai during 18-19 September 2015.

(ii) Onedayjointworkshopof ASME & OISD ON "ASME CODES & QUALITY ASSURANCE" held at OISD, Noida on 05.02.2016

6.15.7 Incident Investigation & Analysis

OISD investigates as well as participates in investigation of major incidents (depending upon the severity / damage) to analyse the cause of the incident. Root cause analysis & learnings thereof are shared with the Industry members to avoid recurrence of such incidents.

Also, a databank of incidents of the oil industry is maintained and analysed at OISD to reflect statistical trends, areas of concern, major recommendations etc which are then disseminated to the industry through safety alerts, advisory notes, workshops, training programmes etc.

2014-15

During the year following major incidents were investigated by OISD:

1. Fatal incident at Drilling Rig E-2000-1, Rajahmundry, of ONGC on 08.04.2014.
2. Fire & explosion incident at VGO Hydro Treater unit of HMEL Refinery on 20.06.2014.
3. Fatal incident of fire and explosion at GAIL Pipeline near Tatipaka on 27.06.2014.
4. Fatal incident at Drilling Rig E-760-15, Cauvery Asset of ONGC on 16.07.2014.
5. Gas Leak incident at Jack up Rig 'Sagar Uday' (Mumbai Offshore), ONGC on 18.07.2014.
6. Fatal incident at Durgapur Bottling Plant of IOCL on 05.08.2014.
7. Crude Oil Pipeline failure incident at IOCL, MPPL, Rewari on 29.09.2014.
8. Oil leakage through well flow line at Mehsana asset, ONGC on 01.10.2014.
9. Product (ATF) leakage from Mahul- Santacruz ATF pipeline of BPCL on 08.11.2014.
10. Fire incident at Oil India Limited Moran Installation on 21/11/2014.
11. Fire in MS Tank on 01.01.2015 at Madurai TOP of IOCL.
12. Fire in Tank wagon siding at BPCL Belgaum on 10/01/2015.
13. Fire in GAIL's natural gas pipeline from Desu to Maruti at Ch. 16.850 KM at the junction point of BJ Marg & ring road on 16.01.2015.
14. Fatal accident in BPCL (NRL) Siliguri on 31/01/2015.
15. Fatal accident in BPCL, Haldia Coastal Installation on 13/02/2015.
16. Fire incident in CCR unit of MS block at HPCL Vizag Refinery on 12.03.2015.

2015-16

During the year (As of January, 2016) following major incidents were investigated by OISD:

1. Fatal incident at GAIL's Vizag- Secunderabad LPG pipeline on 04.04.2015.
2. Fatal incident at ONGC-Onshore, W/O Rig Sitaram-50-1 at OLPAD#31, Ankleshwar on 15.04.2015.
3. Fire incident in the 14" OD pipeline used for transfer of MS and Naphtha from HPCL / BPCL Refineries to IOCL, BPCL and HPCL Marketing terminals at Mumbai on 13.06.2015.

4. An incident of uncontrolled flow of oil/gas in the well KSG#60 of GeoEnpro-Onshore, Kharsang Field, Arunachal Pradesh, on 30.06.2015.

5. Fatal accident on ONGC-Onshore Drilling Rig E-1400-14, Tripura, on 16.08.2015.

6. Fatal incident at CPCL Manali Refinery on 17.08.2015.

7. Incident of gas broaching in and around cellar pit took place at well DND # 9 of OIL Rajasthan project on 29.09.2015.

8. Crude oil leakage incident at Mundra-Panipat crude oil pipeline near Beawar Pump Station on 01.01.2016.

9. Leak/fire incident in natural gas pipeline of AJL(Avantika Gas Limited) on 08.01.2016 at Pithampur, Indore.

10. Fire incident at IOCL's Paradip Refinery on 30.01.2016.

6.15.8 Dissemination of Safety Information

OISD, through its website www.oisd.gov.in , provides list of OISD standards, upcoming events, information about OISD standards under revision for which comments are solicited, guidance notes to the 'Petroleum and Natural Gas (Safety in Offshore Operations) Rules, 2008', Petrosafe & 'OISD Newsletter etc.

OISD house journals – 'OISD Newsletter' is also being utilized in sharing experiential learning in addition to providing information on various activities of OISD.

OISD is also following the path of direct interaction with the stakeholders by participating extensively in technical seminar / workshops / publications / in-house training programme.

6.15.9 Compendium on 'Analysis of Major Incidents in Oil & Gas Industry for the period 2004-15.

To learn from the past incidents and avoid recurrence of incidents in the Oil & Gas Industry, OISD has compiled a compendium on 'Analysis of Major Incidents in Oil & Gas Industry for the period 2004-15'. The compendium was released by Hon'ble Minister of State (Independent Charge) for Petroleum & Natural Gas, Shri Dharmendra Pradhan during the Oil Industry Safety Awards ceremony held in New Delhi on 04th August'2015. The root cause of failures and learnings from the all the incidents which have occurred in the Industry during the last decade have been enunciated in the booklet. This would provide a great learning opportunity to the entire Industry to draw lessons and shall help in prevention of similar incidents in the Industry at large.

6.15.10 Compendium on 'Safety Audit Checklists'.

In addition to the release of a compendium on Analysis of Incidents in the Industry, OISD also released another useful document to further enhance the safety in the Oil & Gas Industry. The compendium on 'Safety Audit Checklists' is a compilation of checklists for safety audits of all categories of Oil & Gas Installations.This

compendium, in addition to further enhancing the audit preparedness of the Industry as a whole, would also help in further strengthening Internal Audit mechanism of the concerned Oil Companies. The compendium was released by Hon'ble Minister of State (Independent Charge) for Petroleum & Natural Gas, Shri Dharmendra Pradhan during the Oil Industry Safety Awards ceremony held in New Delhi on 04th August'2015.

6.15.11 OISD audit of Major Ports to assess the capability of Oil Spill Response (OSR) Capability and Firefighting System – A Special request from Ministry of Shipping, Govt. of India

In addition to the Safety Audits of the Oil & Gas Installations in the country, OISD was also requested to carry out independent audit of 12 Major Ports in the country. These audits were basically intended to assess the capability of Oil Spill Response (OSR) Capability and Firefighting System at these Ports. OISD has carried out such special purpose audits and reports of such audits have been submitted to Ministry of Shipping (Ports Wing), Government of India.

6.15.12 Monitoring of MB Lal Committee Recommendations

OISD & MoP&NG continues to vigorously follow up with the entire Oil & Gas Industry to regularly monitor the pace of Implementation of M B Lal Committee recommendations. 98% of the recommendations have already been complied with by the Industry and the rest are under advanced stage(s) of implementation.

6.15.13 Safety Regulator for Petroleum & Natural Gas industry

In line with the recommendations of the various expert committees in this context, OISD has developed the draft Petroleum & Natural Gas Industry Safety Board Bill. The bill had been duly processed for consideration at the Committee of Secretaries (CoS). At present the Bill is under consideration at the CoS.

6.15.14 Budget Outlays

OISD is a grantee Organization of OIDB which is source of all fund requirements. During 2015-16 the actual expenditure up to December 2015 is Rs 826.10 Lacs and an amount of Rs 790.90 Lacs is expected to be incurred during January to March-2016. Revenue generation from sale of Standards, Pre-Commissioning audits and training programs is Rs 77.92 Lakhs up to December -16 and an amount of Rs 32 Lacs is expected to be generated during January to March 2016. Hence, the net expenditure for the year 2015-16 will be around Rs 1539.08 Lacs against the estimated budget amount of Rs 1617.00 Lacs. During the previous year 2014-15 actual expenditure was Rs 1830.58 Lacs and revenue generation from sale of Standards, Pre –Commissioning audits and training programs was Rs 89.14 Lacs. Accordingly, the net expenditure during 2014-15 was Rs 1741.44 Lacs against budget amount of Rs 1484.00 Lacs.

During 2016-17 a net expenditure of Rs 1767.00 Lacs is estimated after taking into account Rs 99.00 Lacs of income from sale of Standards, Pre –Commissioning audit and training programs. OISD being a grantee organization do not make any profit or loss. Further no separate expenses are incurred on general budgeting.

PETROLEUM CONSREVATION RESEARCH ASSOCIATION

6.16.1 INTRODUCTION

Today, India is 4th largest consumer of petroleum products in the world only next to Japan, China and USA. With the economic growth of the country, the demand for petroleum products is also increasing day-by-day. However, there is a scope of saving energy consumption by 15% to 20% in all major sectors of economies viz. Transport, Industry, Domestic, Agriculture and Commercial through adoption of simple conservation measures.

As there are millions of consumers in the country, any savings achieved by individual consumers will cumulatively amount to large quantities and obviate the need to produce or import equivalent amount of new energy on a recurring basis. Energy conservation and energy efficiency would encompass all measures that would bring about efficient use of energy sources in all areas including production, conservation, transmission, transportation, consumption as well as measures of optimizing the demand itself.

Petroleum Conservation Research Association (PCRA) is a Registered Society set up in 1978 under the aegis of Ministry of Petroleum & Natural Gas, Government of India. Since its inception, PCRA is proactively engaged in promoting energy conservation and efficiency improvement in various sectors of the economy. It helps the government in proposing policies and strategies for petroleum conservation, aimed at reducing excessive dependence of the country on oil requirement.

PCRA has been providing services leading to improvement in energy utilization in the Industrial, Transport, Agriculture and Domestic sectors of the economy. The awareness campaigns coupled with adoption of petroleum conservation measures lead to efficient Energy utilization. To promote conservation of fuels and bring energy efficiency, PCRA is carrying out number of activities which are listed below:

6.16.2 FIELD ACTIVITIES

Industrial Sector:

The industry sector consumes almost forty percent of the total primary energy consumption in the country. PCRA programs in this sector focus on improvement in fuel use efficiency through up gradation of technologies and reducing wastages brought out through energy audit of large, medium and small-scale industries. PCRA conducts energy efficiency studies in the industrial sector, which include Energy Audits, Fuel Oil Diagnostic Studies and Walkthrough Audits in small-scale industries. PCRA exhibits its in-house capabilities and expertise through display of information about success stories on energy conservation in various sectors brought about by PCRA.

ACTIVITY	END USERS
➔ Energy Audit (EA)	➔ Industries and Commercial organizations
➔ Fuel Oil Diagnostic Study (FODS)	➔ Industries predominantly consuming Oil & Gas fuel for their operation

➔ Small Scale Industry (SSI) Study	➔ Walkthrough audit for SSIs
➔ Follow-up Study	➔ Organizations where EA and FODS has been carried out
➔ Institutional Training Program	➔ Managers, Front line supervisors & Plant operators of large & Medium industries
➔ PAT Consultancy	➔ All designated consumer under PAT scheme
➔ ISO-50001 EnMS Implementation Consultancy	➔ All industrial & commercial establishments

Transport Sector:

Transport sector accounts for almost half of the country's total petroleum consumption. Also this sector accounts for 70% of Diesel consumption and about 99% of petrol consumption in India. In this sector the inter-ministerial working group has identified a saving potential of 20%. To realize this saving potential, PCRA conducts a variety of programs for State Transport Units (STUs), private fleet operators, organizations in private and public sector to promote efficient use of petrol, diesel, lubricants and greases through better maintenance practices, better driving habits, model depot studies, emission awareness programs, exhibitions, workshops, clinics etc. all over the country.

The major thrust areas of activities in this sector include Driver Training Program, Model Depot Projects and mass awareness program. PCRA provides training to the drivers on good driving habits and maintenance practices since 2000-2001 till December 2015 PCRA has trained around 2.75Lac Drivers through the initiative of DTP and DTW put together.

ACTIVITY	**END USERS**
➔ Driver Training Program / Workshops	➔ Institutions, Organizations
➔ Model Depot Study	➔ State Transport Undertakings & Private Fleet Operators
➔ Transport Workshop	➔ Drivers, Mechanics

PCRA conducts Driver training programmes and Driver Training Workshop on Eco. / Safe Driving and workshops for Heavy Vehicle Drivers involving OMCs / Fleet operators / Transport associations and state transports. In the forthcoming years PCRA has taken ambitious plan to train heavy duty vehicle drivers and training of Driver Training Instructors.

Agriculture Sector:

PCRA recognizes the potential and scope for conservation of petroleum products & electricity in this sector. Tractors alone consume more than 50 percent of 9.5.MMT diesel consumed in this sector. PCRA extends activities in agriculture workshop, kisan melas, van publicity and educational programs for farmers, students, agriculture communities with

agricultural Universities. During these events, clippings and films produced by PCRA on fuel saving tips are shown.

ACTIVITY	END USERS
➔ Agriculture Workshop	➔ Tractor users
➔ Kisan Melas	➔ Pump-set users
➔ Van Publicity	➔ Farmers, Village Mechanics, Students
➔ Awareness programmes with Agriculture Universities	

In addition to carrying out activities in above sector, PCRA has planned to spread the reach amongst the farmers by engaging them through Krishi Vikas Kendras and Farmer clubs.

Domestic Sector:

The housewives and youth are the major target segments in this sector. PCRA's scope of activities in this sector includes education of housewives for better cooking habits, use of fuel efficient kerosene and LPG stoves and lighting appliances. PCRA also encourages the use of alternate sources of energy such as bio-gas, solar heater etc.

PCRA conducts awareness workshops for women where films on energy conservation are shown to them. Adequate literature is also being published and distributed to inculcate energy saving habits among women. This results in a substantial annual recurring savings of petroleum products, which is a significant achievement.

PROGRAM FOR WOMEN & YOUTH	ENE USERS
➔ Save LPG / Kerosene Clinics	➔ Housewives
➔ Screening of video films on LPG savings	➔ School and college students
➔ Training on fuel saving through better driving habits etc.	
➔ Youth programs	
➔ Efficient use of LPG, Kerosene	
➔ Efficient cooking	
➔ Essay competitions	

Mass Awareness Campaigns:

PCRA regularly organizes mass awareness campaigns through various print and electronic media to sensitize common

people towards energy conservation. In order to bring about attitudinal changes, sustained campaigns are organized for targeted end users. Customized energy conservation messages are displayed in these campaigns according to their tastes preferences. PCRA also uses Internet, digital cinema theatres and SMS facilities to reach out to more and more people. Besides, PCRA organizes intersection activities at traffic signals, walkathons and Nukkad Nataks to disseminate energy conservation messages further and farther. All these activities motivate the masses to develop the habits of fuel conservation.

Oil and Gas Conservation Fortnight the flagship event - a Nationwide Mass Movement:

Oil & Gas Conservation Fortnight (OGCF) is a significant annual event of the Ministry of Petroleum & Natural Gas, which is organized jointly by PCRA and Public Sector Oil & Gas Companies every year from 16th to 31st January. This nation-wide campaign has become a very effective tool in creating and spreading awareness among the masses about the importance of conservation of petroleum products in the country.

Impact assessment of the mega campaign and OGCF during 2012-13 has revealed savings of 0.95, 0.56 and 1.87 million metric tons of LPG, Petrol and Diesel respectively valuing Rs.25757 crores. The high saving potential of such campaigns indicates that the campaign activity should continue for achieving higher savings of fuel.

Securing Future – Catch them young:

Children and youth comprise more than forty percent of India's population. PCRA organizes a variety of programmes to inculcate among them the habit of saving energy at early age by approaching schools, colleges and technical institutions. Pursuing this mission further, PCRA has initiated efforts for inclusion of text on energy efficiency in schoolbooks at central and state levels.

CATCH THEM YOUNG

- ➔ Youth program in schools to inculcate conservation habits.
- ➔ National level essay & painting competition during Oil & Gas Conservation Fortnight.
- ➔ Booklets & pamphlets on Oil & Gas Conservation for school children & housewives
- ➔ Interactive Radio, TV Sport of Educative nature
- ➔ Quiz, debate, Elocution competitions.

Conservation Literature:

PCRA, over the years, has designed and developed a rich bank of conservation literatures carrying useful information and tips for saving of petroleum products for different types of users. These literature are regularly distributed free of cost to consumers in various sectors of economy. PCRA has also published many technical books covering energy conservation in various sectors of Indian Industry such as Textile, Ceramic, Pharma sector and Paper & Pulp Sectors.

Research & Development:

PCRA initiates and sponsors R&D projects in industry, agriculture, transport and domestic sectors for optimal utilization of energy and reduced carbon emission. PCRA promotes new R&D initiatives and sponsors development, demonstration and implementation of improved technology, processes and products to conserve oil & gas in identified areas. PCRA will undertake projects which will contribute towards fuel conservation in energy efficiency by way of new technology / substitutions.

New Initiatives

a) Implementation consultant for ISO 50001:2011 (EnMs) :

In order to sustain positive growth, it has become imperative for any progressive organization to enhance its competencies in evolving "Energy efficient management systems to save energy and reduce costs and avoid Green House Gas (GHG) emissions". PCRA is helping Industries in their implementation of ISO-50001 (EnMS) through their experts.

b) Performance Achieve & Trade (PAT) scheme

Perform, Achieve and Trade (PAT) mechanism seeks to create a market-based mechanism to facilitate energy efficiency improvements in energy-intensive industries through trading of energy cerificates. Under the scheme, during the first cycle beginning from 2012-13 to 2014-15, there were 478 notified designated consumers (DC) covering 8 sectors. These energy intensive sectors such as Thermal Power plants, Aluminium, Cement, Chlor-alkali, Fertilizer, Iron & Steel, Pulp & Paper, and Textile have been included.

Next PAT cycle has been initiated from 2016-17 and will end in 2018-19. It will include more industries from the existing sectors and add three new sectors (i.e. Railways, Distribution Companies (DISCOM) and Petroleum Refineries. PCRA is giving active support by way of Energy Audits to Various industries falling under PAT Scheme.

c) Standard Labelling Program for Appliances:

Standard & Lebeling (S&L) program for appliances using petroleum products is one of the initiatives taken by PCRA to develop improved efficiency standards of consumption of petroleum products in various applications in association with Bureau of Energy Efficiency (BEE), under Ministry of Power. This is as per the provisions notified in "The Energy Conservation (EC) Act.

In this direction PCRA had taken up three projects to save substantial amount of petroleum products involving Domestic LPG Stoves, Diesel Engine Driven Monoset Pumps for agricultural purposes and diesel engine driven generator sets. Depending on their energy efficiency, appliances are rated on a scale of 1 to 5 and efficiency rating is indicated by stars on the BEE specified label, for easy understanding for the consumers. In future PCRA will include more and more equipment using Petroleum Products like tractors and boilers etc.

d) Fuel Economy Norms for Heavy Duty Vehicles (Trucks and Buses):

In view of growing dependence of the country on import of crude oil and the fact that the highest consumption of diesel

is by commercial vehicles i.e. 26.75%, followed by 10.75% by Buses/STUs, it has been felt imperative for the Government to define fuel economy norms for Heavy duty vehicles (Trucks and Busses) in India. Saving potential in transport sector has been identified as 20% of the existing level of consumption.

Vide O.M. of Ministry of Petroleum & Natural Gas No. P-45011/1/2014-CC dated 1st July 2014, a committee has been constituted to formulate action plan and monitor development of fuel economy norms for Heavy Duty Vehicles (Trucks and Buses) in consultation with other stakeholders. PCRA has recently submitted report on Fuel Efficiency norms to MoP&NG. This initiative is expected to bring saving of Rs 2868 Crores after three years of its implementation.

e) PCRA- A Certified Energy Auditing Agency

PCRA is having a good team of 28 nos. of Certified Energy Auditors and 5 nos. of Certified Energy Managers. To extend the reach of its activities, technically qualified professionals and agencies have been empanelled who fulfill the requirements set out by PCRA.

f) Synergy through Tie-ups

PCRA works in close association with other leading National and International agencies such as Bureau of Energy Efficiency (BEE), Confederation of Indian Industry (CII), Federation of Indian Chambers of Commerce and Industry (FICCI), The Energy Conservation Center Japan (ECCJ) and other premier institutions.

PERFORMANCE

TABLE NO.	ITEM	DETAILS
I	Field Activities	Performance of FY 14-15 & FY 15-16 (Upto January '16) and
II	Education Campaign	Activity-wise Expenditure during 2014-15, 2015-16 (Upto January 2016 and proposed Budget for 2016-17
III	PCRA – Financial Performance	Budget Vs Actual for FY 14-15 & FY 15-16 (Upto January 2016, provisional) and Proposed Budget Estimate for FY 16-17

Table- I

FIELD ACTIVITIES

Figure in nos.

S. No.	Activity	Performance 14-15	Performance 15-16 (up to January'16)
1	Energy Audit	373	219
2	Fuel Oil Diagnostic Study	204	83
3	Service to Small Scale Industry	245	134
4	Follow-up	219	129
5	Institutional Training Program	507	442
6	Seminar/Technical/Consumer Meet	131	98
7	Model Depot Project	37	31
8	Driver Training Program	1464	1477
9	Kisan Mela	64	51
10	Youth Program	1942	2018
11	Exhibition	68	135
12	Workshop-Industrial	520	474
13	Workshop-Transport	786	1236
14	Workshop-Domestic	1152	1202
15	Workshop-Agricultural	718	749
16	Van Publicity	51	43
17	Training for DTI	19	20
18	PAT	7	14
19	ISO - 50001	8	61
	Total	**8634**	**8616**

Table - II

EDUCATION CAMPAIGN

Details of actual expenditure pertaining to education campaign Activities for 2014-15, 2015-16 (upto January 2016) and proposed expenditure for 2016-17 are as under: -

Rs. In Lacs

S.No	Activity	2014-15 Expenditure	2015-16 (upto Jan'16) Expenditure	2016-17 Proposed
1	Television advertisement:Satellite-			
	▪ General Entertainment channels			
	▪ News Channels Hindi/ English)			
	▪ Regional Channels			
	▪ Doordarshan	1075	595	1820
2	Print Advertisement National Newspaper			
	▪ Hindi			
	▪ English			
	Regional Newspapers-			
	Assamese, Bengali, Gujarati, Kannada,			
	Odia, Malayalam, Marathi, Punjabi,			
	Tamil, Telugu and Urdu	666	352	1170
3	Radio Advertisement:			
	▪ FM Channels			
	▪ All India Radio	235		590
4	Regular Activities under Education Campaign			
	including Outdoor Publicity & OGCF	329	183	580
5	Outdoor & Others			420
	Grand Total	**2305**	**1130**	**4580**

I Mega campaign started from January 2016 and the expenditure during 2015-16 is likely to be around Rs.3055 lakh.

Table- III

PCRA – FINANCIAL PERFORMANCE

Rs. in Lakh

S. No	Head	BE	RE	Actual Expenditure 2014-15	BE	RE	Expenditure as on 31.01.16	Proposed BE
		2014-15	2014-15	(as per B/S)	2015-16	2015-16	(provisional)	2016-17
A	**OGCF' 16 GRANT FROM OIL COMPANIES**	100	100	100	100	100		100
B	**GRANT FROM OIL COMPANIES for Mega Campaign**	1500	2800	1250	1725	1725	245	1800
C	**Internal Collections**	300	300	396	300	600	377	600
D	FUNDING FROM OIDB	4570	4615	4085	5368	4713	3305	7400
	Amount of matured FDs	99	144	144				
	Total	**4471**	**4471**	**5975**	**7493**	**7138**	**3927**	**9900**
E.	**REVENUE EXPENDITURE**							
1	Field Activities							
	a. Chartered activities	470	450	545*	518	518	367	625
	b. ISO 50001 certification	12	12		14	14	2	20
	c. Learn while you play	0	0		17	15		15
	d. New initiative (PAT activities)	10	15		6	3		84
	e. S & L Activity	0	5		60	60		700
2	Education Campaign							
	(i) Mega Campaign	1250	1250	1976	1324	824	947	200
	contribution of oil cos	1500	1500		1725	1725		1800
	(ii) Regular Activities	400	440	329	506	506	183	580
	(iii) Committed liabilities of previous year							
	(Mega Campaign)	1560	1560					2000

3	Research & Development	50	60	60	69	69	45	70
4	Training & Development	20	25	24	28	2	2	20
5	Software Development / Internet connection	27	27	25	38	38	11	55
6	Establishment Expenses	1600	1600	1895*	1840	2040	1235	2306
	Administration Expenses	500	500	500	575	575	440	600
	Committed/deferred liability	600	600	600	690	676	676	700
	SUB TOTAL (E)	**6439**	**6484**	**5954**	**7410**	**7065**	**3908**	**9775**
F.	**CAPITAL EXPENDITURE**							
7	Facility Oriented Items including library items.	5	5	6	6	6	3	10
8	Instrument & Equipment for Energy Audit etc.	10	10	0	12	2	2	10
9	Computers	16	16	16	65	65	14	105
	SUB TOTAL (F)	**31**	**31**	**22**	**83**	**73**	**19**	**125**
	TOTAL FOR PCRA ACTIVITIES (E+F)	**6231**	**6515**	**5976**	**7493**	**7138**	**3927**	**9900**

* Including Liability deferred to 2015-16

PETROLEUM PLANNING AND ANALYSIS CELL (PPAC)

6.17.1 INTRODUCTION

Petroleum Planning & Analysis Cell (PPAC) has been established by a Government resolution dated 30th March, 2002 as an attached office of MoP&NG. The resolution had specified the objectives of setting up of PPAC to discharge the following functions:

(i) Administration of subsidy on PDS Kerosene and domestic LPG and freight subsidy for far-flung areas;

(ii) Maintenance of information data bank and communication system to deal with emergencies and unforeseen situations;

(iii) Analyzing the trends in the international oil markets and domestic prices;

(iv) Forecasting and evaluation of petroleum imports and export trends;

(v) Operationalizing the sector specific surcharge scheme, if any.

The Vision, Mission and Objectives as enunciated in the Result Framed Document (RFD) are given below:-

Vision :

To be the most authentic official source for data and policy analysis on the hydrocarbon sector in the country.

Mission :

(1. To strengthen the existing data system in PPAC by adopting the latest techniques and best practices.

2. To render effective assistance to the Ministry of Petroleum & Natural Gas in the discharge of its responsibilities, particularly pricing of petroleum products and administration of subsidy schemes.

3. To monitor and analyse developments in the domestic oil and gas sector.

4. To undertake analysis of domestic and international energy markets.

5. To develop a cooperative framework for exchange of information and conduct of studies with other countries and international organizations in the energy sector.

Objectives:

1. To ensure effective administration of the subsidy schemes notified by the Government.

2. To monitor and analyse trends in prices of crude oil, petroleum products and natural gas and their impact on the oil companies and consumers, and prepare appropriate technical inputs for policy making.

3. To monitor developments in the domestic market and analyse options for policy changes in pricing, transportation

and distribution of petroleum products.

4. To collect, compile and disseminate data on the domestic oil and gas sector in a continuous manner and maintain the data bank.

5. To ensure quality of data in terms of prescribed parameters such as accuracy, completeness and timeliness.

6. To prepare periodic reports on various aspects of oil and gas sector.

6.17.2 Activities :

During last few years, there has been a fundamental shift in the type of assignments being handled by PPAC. One of the major assignments being handled is to maintain a centralized database. With a view to streamline collection and collation of data system, PPAC had engaged the services of Indian Statistical Institute (ISI), Kolkata who had formulated data quality manual which specifies the procedure of data flow and its compilation from Oil & Gas companies.

PPAC has been collecting data pertaining to downstream oil companies including private sector for preparation of analytical report using various statistical models. The Demand & Supply Divisions of PPAC prepare reports pertaining to monthly crude oil processing data, production of petroleum products, data on low sulphur/high sulphur, crude oil import, compilation of production data for estimation for BIS-III/IV grades of MS and HSD as per auto fuel policy, preparation of oil export and import estimation etc. In addition, demand projections of petroleum products using bottom of approach is also carried out. Important publications which are taken out include Ready Reckoner etc. Industry Sales Statistics (ISS) system is also in place which is a comprehensive system of maintaining sales statistics. The data is updated periodically and it is disaggregated up to the district level.

The Natural Gas Division carries out pricing of natural gas on quarterly basis in line with the Natural Gas Pricing Guidelines, 2014. The gas prices were first notified in the month of November, 2014.

Finance Division has been entrusted with the job of analyzing trends of domestic and international prices, calculate under recoveries etc. In addition, the division also analyses prices, tariff, taxes, refiner and marketing margin of oil companies. Periodic reports in the areas of pricing are submitted to MoPNG and stakeholders.

One of the important responsibilities being handled by PPAC is Bilateral/ Multilateral Cooperation. PPAC has/had entered into MoUs with various foreign counterpart organizations like EIA, IEEJ & IEA for cooperation in the areas of exchange of information on oil & gas and conducted number of studies in the areas of natural gas and other areas of mutual interest. In addition, collaborative efforts have since been intensified for exchange of information specifically in the areas of Emergency Response Exercise/Assessment.

PPAC has been carrying out a number of studies/surveys independently and also in close coordination with oil companies.

DIRECTORATE GENERAL OF HYDROCARBONS (DGH)

6.18.1 Geophysical Data Acquisition:

a) Actual Physical activities/achievements for the year 2014-15

(i) Policy and Agreement for non-exclusive multi client speculative survey for generation of Geo-scientific data has been approved by Government of India on 20.05.2014. Seven proposals have been received for generation of Geo-scientific data in Off-Shore Basins of India, under Government of India approved Policy and Agreement for non-exclusive multi client speculative survey model.

(ii) 2D Seismic API activity covering approximately 48,243LKM in "to be appraised areas" of Indian sedimentary basins is entrusted to ONGC and OIL by MoP&NG to complete in a span of five years.

(iii) End coordinates of, all the planned 2D lines along with Geological objectives of to be appraised areas falling in various Sedimentary Basins, were provided to ONGC and OIL as per schedule.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) MHA and MOD clearance has been obtained for all the seven survey proposals for generation of geo-scientific data in Off-Shore Basins of India. Under speculative survey model, Provisional Letter of Consent has been issued by DGH for all the 7 proposals.

(ii) Electromagnetic Geoservices ASA, Norway signed Agreement with Government of India as per Annexure-III of the Data Policy on 08.09.2015 for Marine CSEM & MMT Data Acquisition, Processing, Inversion and Interpretation studies.

(iii) Provisional Letter of Consent (Extension) has been issued for the rest of the 6 proposals by DGH.

(iv) Statutory clearance obtained from Ministry of Defense for carrying out 2D seismic survey in "to be appraised areas" of Indian sedimentary basins.

(v) Applied for statutory clearances and the same are obtained from Home department of 12 states and Forest department of 5 states pertaining to "to be appraised areas".

c) Projected Physical activities/achievements for the year 2015-16 during January-March, 2016

(i) Facilitation of Geophysical surveys/activities for the generation of Geo-scientific data under non-exclusive multi client speculative survey model.

(ii) Coordination and monitoring of 2D seismic API project in "to be appraised areas" of Indian sedimentary basins.

d) Projected activities/achievements for the year 2016-17

(i) Marine CSEM & MMT Data Acquisition, Processing, Inversion and Interpretation studies by Electromagnetic Geoservices ASA, Norway.

(ii) Coordination with service providers during survey for the generation of Geo-scientific data under non-exclusive multi client speculative survey model.

(iii) Processing of further proposals, if received, from the service providers for generation of Geo-scientific data under by Government of India approved Policy and Agreement for non-exclusive multi client speculative survey.

(iv) Coordination and monitoring of 2D seismic API project in "to be appraised areas" of Indian sedimentary basins.

(v) Mobilisation for Marine CSEM & MMT Data Acquisition by Electromagnetic Geoservices ASA, Norway is expected to start after March, 2016

e) Implementation of Xth Bidding Round of Exploration Blocks:

f) Actual Physical activities/achievements for the year 2014-15

(i) Partial completion of preparation of data packages for the proposed 52 blocks identified for Xth Bidding Round

(ii) Preparation of Basin Information dockets for 13 basins associated with 52 blocks mentioned above.

(iii) Draft Uniform Licensing Policy & Draft Model Revenue Sharing Contract prepared

g) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) Preparation of data packages continued.

(ii) Requirement and preparation for OAL(Open Acreage Licensing) round being taken up.

(iii) Process of identifying the open acreages/relinquished areas initiated.

(iv) Process of generation of maps for open acreages initiated.

h) Projected Physical activities/achievements for the year 2015-16 during January-March, 2016

(i) Maps of open acreages will be prepared and will be putup for Inter -ministerial clearances

i) Projected Physical activities/achievements for the year 2016-17

(i) Initiation of OAL related processes prior to launch of OAL

6.18.2 Monitoring of Production Sharing Contracts (PSCs):

a) Actual Physical activities/achievements for the year 2014-15

(i) For the financial year (2014-15), under the PSC regime production for crude oil and natural gas (including CBM) is 11.78 MMT and 8.91 BCM respectively.

(ii) 5494 LKM of 2D Survey Carried out

(iii) 4731 SKM of 3D Survey Carried out

(iv) 90 Exploratory wells drilled

(v) 138 development wells drilled

(vi) Nos of MCM (Management Committee Meeting) held-346

(vii) Nos. of Annual Work Program & Budget Approved-91

(viii) Nos. of TCM (Technical Committee Meeting) held-16

(ix) Nos. of Blocks Relinquished-11

(x) Nos. of Blocks proposed for relinquishment by operators-18

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) Actual production for crude oil and natural gas (including CBM) is about 8.62 MMT and 6.30 BCM respectively.

(ii) 3724 LKM of 2D Survey Carried out

(iii) 769 SKM of 3D Survey Carried out

(iv) 50 Exploratory wells drilled

(v) 80 development wells drilled

(vi) Nos of MCM held-182

(vii) Nos. of Annual Work Program & Budget Approved-40

(viii) Nos. of TCM held-13

(ix) Nos. of Blocks Relinquished-11

(x) Nos. of Blocks proposed foe relinquishment by operators-3

c) Projected Physical activities/achievements for the year 2015-16 during January-March, 2016

(i) Under the PSC regime, projected production during January-March, 2016 for crude oil and natural gas (including CBM) is about 2.82 MMT and 2.06 BCM respectively.

(ii) Nos of MCM likely to be held-75

(iii) Nos. of Annual Work Program & Budget likely to be Approved-59

d) Projected activities/achievements for the year 2016-17

(i) For the financial year (2016-17) projected production for crude oil and natural gas (including CBM) is about 11.79 MMT and 9.31 BCM respectively.

(ii) Nos. of MCM proposed to be held-155

(iii) Nos. of Annual Work Program & Budget likely to be Approved-53

6.18.3 Monitoring of Petroleum Exploration Licenses (PELs) held by NOCs on Nomination Basis:

a) Actual Physical activities/achievements for the year 2014-15

(i) Reviewed the progress of exploration activities comprising of 2-D API, 3-D API, drilling and testing of exploratory wells in the total 17 (12 ONGC + 5 OIL) Petroleum Exploration Licenses held by NOCs (ONGC and OIL) on nomination basis, on a half yearly basis vis-à-vis committed work programme

(ii) Different proposals received from NOCs and data were examined during the period and recommendations were submitted to MOPNG, on case to case basis, for extension of PEL period, conversion of PEL to PML and relinquishment of certain PEL areas, where ever required.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) All the above activities related to monitoring of NOCs on PEL/ML of blocks of NOCs are continuing in the year 2015-16. These involve regular updating of field data, analysis and interaction with different works centers of ONGC and OIL, on the technical matters and on the issues related to exploration activities and conversion into mining leases / relinquishments of the blocks. Meanwhile, DGH reviewed the progress of exploration activities comprising of 2D API, 3D API, drilling and testing of exploratory well in the total 17 (ONGC-12 + 5 OIL) PELs held by NOC's (ONGC and OIL) on nomination basis.

6.18.4 Monitoring of IOR/EOR Projects of ONGC:

a) ONGC:

As per data provided by ONGC, there are 13 IOR/EOR projects in 12 major fields of ONGC are under implementation. Presently, a total of 06 IOR/EOR are going on for recovery enhancement in ONGC Assets. Out of which 03 are in producing phase and 03 are in process. The rest 7 IOR/EOR schemes are in different phases of implementation.

Ongoing 6 IOR/EOR projects are as given below:

- MHN (IOR Phase-III)
- MHS (IOR Phase-III)
- Development of Western periphery of MH South Field

- Heera Redevelopment Phase-II
- Neelam Redevelopment Plan (NRP)
- Redevelopment of Gamij Field

b) OIL:

- A total 16 IOR/EOR schemes are ongoing.
- Low salinity water injection ongoing in 14 reservoirs in 4 fields
- Low Salinity WI to be taken up in 4 reservoirs
- Chemical EOR feasibility study planned in 2 reservoirs for improving the recovery.

c) Actual Physical activities/achievements for the year 2014-15

Performance of IOR/EOR projects was reviewed on a quarterly basis. The IOR/EOR projects were reviewed vis-à-vis plan vs. actual in terms of wells drilled, expenditure and oil gain. Feedbacks were sent to the NOCs.

d) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

Performance of IOR/EOR projects is being reviewed on a quarterly basis which is being submitted by NOCs in mutually agreed formats. Data is sought from the NOCs. Feedbacks have been communicated to the NOCs.

e) Projected activities/achievements for the year 2016-17

All the above activities related to performance of IOR/EOR projects of NOCs will be continued in the year 2016-17. This will involve regular updating of data, analysis and interaction with different work centers of NOC on technical matters and on the issues related to project implementation for enhancement in oil production.

6.18.5 Monitoring of Production Performance of NOCs:

a) Actual Physical activities/achievements for the year 2014-15

(i) In order to enhance domestic Oil and gas production from nominated blocks of NOCs following key areas were identified:

- Fast track monetization of marginal fields
- Monitoring of IOR/EOR projects in matured fields
- Sick well identification and revival strategy and monitoring thereof
- Stranded Gas reservoirs in Mature fields
- Gas Flaring reduction and optimization of internal gas utilization

(ii) Regular interactions were carried out by DGH team with NOCs and status updates on the same were sent to MoP&NG regularly.

(iii) Identified the Marginal fields of NOCs which were undeveloped and proposed for offering for competitive bidding for fast track monetization of the same.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

I Marginal Field Policy has been approved by MoP&NG and 67 fields will be offered for marginal field bidding.

I Four key parameters as mentioned below have been identified to monitor the performance of NOCs.

I. Accelerated Exploration activities in Nomination blocks

II. Monetisation of Un-developed discoveries

III. Action plan for recovery enhancement

IV. Liquidation of Sick wells/ Non flowing wells

NOC has started submitting it on quarterly basis and the same is being monitored regularly.

c) Projected activities/achievements for the year 2016-17

(i) All the 67 identified marginal fields will be offered for bidding during 2016-17.

(ii) All the above activities related to performance monitoring of NOCs will be continued in the year 2016-17. This will involve updating of data, analysis and interaction with different work centers of ONGC, on the technical matters and on the issues related to exploration activities for enhancement in oil production.

6.18.6 *Field Development, Reservoir and Production Monitoring of Blocks/Fields Under the PSC Regime*

a) Actual Physical activities/achievements for the year 2014-15

(i) 21 new Discoveries (Oil-5 , Gas-16) were notified during the year 2014-15, under PSC regime

(ii) 9 Proposals for Declaration of Commerciality (DoC) comprising a total of 34 discoveries were examined at DGH. Subsequently the proposals have been reviewed by MC.

(iii) 6 proposals for Field Development Plan (FDP) pertaining to 7 discoveries were evaluated at DGH. Subsequently the proposals have been approved by MC.

(iv) 5 discoveries, namely Karannagar-1, Vadatal-1, West Patan-1, N-E, and N-I, were put on production during the year.

(v) Reviewed Monthly activity reports of 22 different fields under PSC regime as submitted by different operators for evaluating reservoir performance w.r.t. well-wise pressure-production-injection data. Updated OFM database for

fields for which operator periodically provides data in NDR format and carried out decline curve analysis for these fields for internal evaluation and production forecasting.

(vi) Reviewed and analyzed 27 production profiles associated with operator's WP&B for RE-2014-15 and BE-2015-16 with respect to different fields. Examined audited accounts for 3 fields.

(vii) 10 Infill and development well proposals were examined from reservoir point of view and offered comments to the operators.

(viii) Production profiles associated with request for grant of PML and extension of PML for 16 PML areas were reviewed from reservoir point of view and offered technical justifications.Reviewed 3rd party reserves audit report for Ravva, Sanganpur, PY-1 and Lakshmi-Gauri-CB-X fields by different 3rd party auditors like Schlumberger, D&M etc.

(ix) Reviewed 'Good International Petroleum Industry Practices (GIPIP)' docket prepared by 'Petrotel' for DGH, offered suggestion for technical amendments and incorporation of best industry practices.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) Till 31st Dec 2015, 7 new discoveries (Oil-2, Gas-5) were notified during the F.Y 2015-16, under PSC regime

(ii) 3 Proposals for Declaration of Commerciality (DoC) comprising 3 discoveries were examined at DGH. Subsequently, the proposals have been reviewed by MC.

(iii) 5 proposals for Field Development Plan (FDP), regarding 10 numbers of discoveries were evaluated at DGH. Subsequently the proposals have been approved by MC except FDP of RX-1. RX-1 FDP evaluation has been completed at DGH, however MC approval of the same is awaited since 16.8.2015

(iv) Oil / Gas production started from discoveries Tarapur-6, Nadiad-1, Madanam field (Madanam-3, 5 & 6)

(v) Evaluated and regenerated production profile for 7 field pertaining to RFDP of Aishwarya Field, FDP of Kathalchari, Combined FDP of Nagayalanka-1Z & Nagayalanka-SE-1, FDP of Nadiad-1, Vadtal1, 3 &5, FDP of Madanam and FDP of Aliabet#2,3 & 4, FDP of KG-DWN-98/2. The estimated oil & gas production from these fields is around 35 MMT of oil 45 BCM of gas over a period of 15-20 years of project life.

(vi) Reviewed well proposal for Cambay (C-78H & C-80H),Approval for final Plan for drilling of 12 infill(firm) & 15 contingent wells in Kharsang field, approval of DDW-5 and DDW-D8 in DDW Field (KG-OSN-/3 Block),Proposal for 4 alternate locations SGL-23T,26T,29 &30 in SGL gas field in block RJ-ON/6, Ex-post facto approval of drilling of NI#4 & NI#5 in DA-2, Block RJ-ON-90/1.

(vii) Reviewed application for re-grant of PML of 12 different areas. Reviewed application for grant of ML of 4 fields and Proposal for PML for 2 fields.

(viii) Reviewed III rd party estimation of reserves of 3 fields by different independent auditors.

c) Projected Physical activities/achievements for the year 2015-16 during January-March, 2016

(i) 6 FDP/RFDP proposals comprising 22 discoveries are presently under examination by different technical groups of DGH. Efforts are being made for fast track evaluation of same by end of this quarter.

(ii) Monitoring of the development activities of various fields under the Production Sharing Contracts including D-6, MA, SGL, Mangala, Bhagyam, Aishwariya, Raageshwari, Saraswati, Panna-Mukta, Tapti, Ravva, Kharsang, Bakrol, Lohar, Dholka, Hazira etc.

(iii) The activities in exploration blocks with reference to reservoir review of discoveries, Declaration of Commerciality (DOC) and Field Development Plan (FDP) etc. are also carried out.

6.18.7 Work Carried out by G & G Group

a) Actual Physical activities/achievements for the year 2014-15

Review of G&G activities in annual work Programme :	95 (including fields)
Review of G&G activities of appraisal programme :	4*
Review of well locations :	63
Review of G&G activities of annual audited accounts :	56
Review of technical proposal & reports submitted by Operators :	64
Review of Third Party Reserve Audit reports :	08

*****North Atharmura gas discovery, Rupal#2 gas discovery, NBA#1 & NAA#1 gas discovery (block MB-OSN-2005/1) and Punam#1 oil discovery

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

Review of G&G activities in Annual Work Programme :	23
Review of G&G activities of Appraisal Programme :	14
Review of Well Locations :	50
Review of G&G activities of Annual Audited Accounts :	50
Review of G&G activities of Appraisal Programme :	54
Review of technical proposal & reports submitted by Operators :	28
Review of Third Party Reserve Audit reports :	08
Review of relinquishment proposal:	07

- Regrant of PML: 19

c) Projected Physical activities/achievements for the year 2015-16 during January-March, 2016

- Review of Draft GIPIP report
- Reassessment of Hydrocarbon Resources of 26 Sedimentary basins and deep water areas of India is in progress.
- Upgradation of G&G Hardware is under process.

d) Projected activities/achievements for the year 2016-17

- The G & G and Petro-physical activities will be continued.

6.18.8 Work Carried out by Petro-physics Group

a) Actual Physical activities/achievements for the year 2014-15

- Processing and Interpretation of Log data of 71 wells for evaluation of total 10 no. of DOC, FDP/RFDP.
- QC check and archival of Log data of 200 wells.
- Verification/confirmation of Drilled-Depth and Basement Depth from the Logs of 19 wells.
- Examination, Review and technical comment generations on WP & B, unfinished work program, abandonment, work-over review etc for 10 wells.
- Well log data compilation of 200 wells for the forthcoming NELP-X round.
- Analysed well data for 57 blocks relinquished by NOC's.
- Summer training course conducted on Well logging principles and interpretation for 3 students of various universities.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

- Processing and Interpretation of Log data of 16 wells for evaluation of total 4 no. of DOC, FDP/RFDP.
- QC and archival of Log data of 91 wells.
- Verification/confirmation of Drilled-Depth /Basement Depth from the Logs of 75 wells
- Examination, Review and technical comment generation on WP & B, unfinished work program, abandonment, work-over review etc for 12 wells.
- Well log data QC and loading of 130 wells (68 Fiels) in work station for Marginal Fields.

- Carried out study of 14 relinquished blocks (by private operators) of KG Basin and submitted a report.
- Paper entitled "Effect of Variable Formation Water Salinity in Estimation of Hydrocarbon Saturation and Determination of OWC in Gollapalli Formation, KG Basin" was selected for poster presentation at 3rd CEWELL symposium during 1-2 November 2015.
- Summer training course conducted on Well logging principles and interpretation for 12 students (in 2 batches) of various universities.
- In house net pay estimation by evaluating fractured reservoirs using hi-tech logs i.e. Formation Imager and Sonic Scanner for basement section in wells MD-5 and MD-6 of Madanam field (Block CY-ONN-2002/2).
- Contribution to Frontier areas such as CBM, shale Gas & Gas Hydrates:

  QC and archived LWD (Logging While Drilling) logs of 25 of NGHP Exp. 02 (Gas-Hydrate) project.

c) Projected activities/achievements for the year 2016-17

- Processing and interpretation of 25 LWD and 5 WL data of NGHP-02 wells (GAS HYDRATE) along with CEWELL-ONGC
- Data validation and archival as and when received.
- Processing and Interpretation of standard and special well logs as and when required.

6.18.9 National Data Repository (NDR):

a) Actual Physical activities/achievements for the year 2014-15

(i) Site preparation work for NDR project completed.

(ii) Commissioning of Hardware and integration of Software is completed.

(iii) User acceptance test and build-up of software completed

(iv) Initial population of NDR Started since 03.03.2015.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) Data loading of NELP blocks is in progress.

(ii) Data unloading for supplying to ONGC for re-assessment of Indian sedimentary basins.

(iii) Shift operation of NDR stared on October, 2015 for loading data at faster pace

(iv) End user training of two batches (approx 32 participants from E&P companies) will be conducted during March, 2016.

(v) Operational phase will start from 04.03.2016 and will continue up to the end of contract period.

(vi) Portal of NDR will be launched by 1st week of March.

c) Projected activities/achievements for the year 2016-17

(i) NDR will be in Operational phase.

(ii) Data loading of Nomination blocks will continue

(iii) On the request of E&P companied, data unloading supplying will be done.

(iv) he SDC (Secondary Data Center) will be shifted to a suitable location after replication of data during initial population. The SDC will serve as the Business Continuity / Disaster Recovery Centre and will allow DGH to resume business operations in case disaster strikes at the PDC.

(v) End user training of remaining batches will be conducted as per the contract

(vi) ISO 27001 certification of NDR

6.18.10 Coal Bed Methane (CBM):

a) Actual Physical activities/achievements for the year 2014-15

- 13 CBM blocks were Active
- 8 blocks are in Development Phase
- Other 5 Blocks are in Exploration Phase (SP(N)-CBM-2005/III, SR-CBM-2005/III, MG-CBM-2008/IV, RM(E)-CBM-2008/IV and AS-CBM-2008/IV)
- Drilling of 6 coreholes, 151 development wells drilling and hydro-fracking of 149 wells.
- Approximately, 182.57 km of steel pipeline and 5.3 km of MDPE pipeline was laid. ‘
- 8.367 km of MDPE pipeline and 3.27 km of steel pipeline was replaced.
- 2D seismic data acquisition of 28.3 LKM carried out.
- Installation of 3 GGS was completed.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

- 14 CBM blocks were Active in FY 2015-16
- Out of which, 8 blocks were awarded in Development Phase.
- Other 6 Blocks are in Exploration Phase: SP(N)-CBM-2005/III, SR-CBM-2005/III, MG-CBM-2008/IV, RM(E)-

CBM-2008/IV, AS-CBM-2008/IV and SP(NE)-CBM-2008/IV.

- 81.24 line kilometer of 2D High Resolution Seismic Survey (HRSS) was carried out 13 coreholes were drilled, 2 Exploratory test wells were drilled, 115 Development wells were drilled, 107 wells were hydro-fracked.
- Approximately 5 km of steel pipeline was replaced and 226.85 km of new pipeline was laid.
- 2 Gas Gathering stations were installed and work on 2 more GGS is under progress.

c) Projected Physical activities/achievements for the year 2015-16 during January-March, 2016

CBM Contractors have proposed to drill 28 Development wells, de-watering of 28 wells, hydro-fracking of 50 wells and laying of 35 km of pipeline.

a) Projected activities/achievements for the year 2016-17

- Drilling of 10 core holes,
- Drilling of 58 Development wells,
- Drilling of 33 surface holes,
- Drilling of 54 production holes,
- Hydro-fracturing and completion of 124 wells,
- Construction of GGS, flowlines, Water Treatment system and surface facilities

6.18.11 Essentiality Certificates (EC) :

The numbers of Essentiality Certificate actually issued by DGH in the period 2014-15, 2015-16 & target for 2016-17 are as below:-

S.No.	Parameter	No. of EC	CIF value in Crores (INR)
A	Actual Physical PerformanceF.Y. (2014-2015)	14162	3795
B	Actual PerformanceF. Y. (April-December 2015)	9794	2637
C	Projected PerformanceF. Y. (2015-16)	11949	3217
D	Projected PerformanceF. Y. (2016-17) (Estimate)	12430	3500
	Total	**48335**	**13149**

6.18.12 National Gas Hydrate Programme (NGHP):

a) Actual Physical activities/achievements for the year 2014-15

(i) NGHP Steering Committee approved NGHP-02 and enhanced budget for the NGHP Expedition-02 and issued directives for further consideration.

(ii) The 29th, 30th and 31st Technical Committee meetings of NGHP were held for the review of plans for the NGHP Expedtion-02.

(iii) Ministry of Defense clearance for the drilling of about 40 wells/sites during NGHP Expedtion-02was obtained.

(iv) Tendering procedure for execution of NGHP Expedtion-02 was completed through ONGC and final budgetary requirements for NGHP Expedition-02 was submitted. The final cost estimate for the NGHP Expedition-02 is Rs 616.95 Crore.

(v) NGHP Expedition-02 commenced from 3rd March 2015 during FY 2014-15 and continued during the FY 2015-16.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) Geo-Scientist from DGH, ONGC, GAIL, OIL, IOCL, NIOT, GSI, NIO & NGRI participated during the execution of drilling and other activities of NGHP Expedition-02 at drillship Chikyu from 3rd March 2015 to 27th July 2015.

(ii) During NGHP-02 total of 42 gas hydrate wells completed (25 LWD/MWD wells & 17 wells for coring, pressure coring, wireline logging, VSP & MDT).

(iii) The 32nd, 33rd, 34th and one special technical meeting of NGHP were held during the year to plan and review the data collected during NGHP-Exp-02.

(iv) Expenditure Finance Committee meeting for the release of funds by OIDB for the NGHP-Exp-02 expenditure held on 23rd Nov-2015.

(v) Japan Drilling Company has submitted the comprehensive report on NGHP-Exp-02. The final report will be submitted in April2016.

(vi) The meeting with the international experts from USA (USDOE, USGS, USBOEM, LBNL & NETL) and Japan (JOGMEC, AIST, JAMSTEC and JDC) was held from1st to 3rd Feb 2016 at DGH/New Delhi.

(vii) The results of NGHP-02 and the critical issues of reservoir identification, delineation and characterization, identification of sites for NGHP-03, pilot production testing, well completion technology and engineering, duration of flow and monitoring of production and environment for execution of NGHP-03 were deliberated.

(viii) The results of NGHP-02 are encouraging and producible gas hydrates are expected in KG deep offshore areas in sand reservoirs.

(ix) Collation the results of the NGHP Expedtion-02 are under progress by NGHP members.

c) Projected activities/achievements for the year 2016-17

A way forward for execution of NGHP-Exp-03 and carryout the following activities by the core team members of NGHP are being planned.

I. Accelerated Exploration for Gas Hydrates in Indian Deep-waters covering the entire East Coast and Andaman Deep waters.

II. Seismic data re-processing & interpretation of the available seismic data particularly for Block KG DWN 98/2 for identification of the sand bearing Gas hydrate prospects.

III. Integration of the well data from NGHP Expedition 01 and 02 with the seismic data for gas hydrate delineation.

IV. Reservoir delineation and Estimation of In-place gas reserves in identified Gas Hydrate reservoirs.

V. Reservoir Simulation for Gas Hydrate producibility for reservoirs identified during NGHP Expedition-02

VI. Execution of multi well field operation projects for coring/drilling/logging/MDT particularly in the East Coast for the identification of gas hydrate prospects.

VII. Geo-mechanical modeling and well bore / sea floor stability

VIII. Planning and execution of NGHP Expedition-03 to test the technology and assess the commerciality of Gas Hydrates exploitation in Indian offshore

6.18.13 Shale Gas &Oil :

a) Actual Physical activities/achievements for the year 2014-15

(i) Implemented the Shale Gas Policy by issuing the permission letters to ONCG and OIL blocks.

(ii) Monitored the progress of activities in the blocks allocated to ONGC and OIL under the Shale Gas Policy.

(i) Conducted the first technical review meeting for evaluating the progress of shale gas activities under the Shale Gas Policy.

b) Actual Physical activities/achievements for the year 2015-16 (during April-December, 2015)

(i) Monitoring the progress of shale gas activities in the allotted blocks.

(ii) Evolving adequate environmental safeguards in association with Ministry of Environment and other agencies.

(iii) Shale Gas review meeting was organised at MOPNG.

(iv) Online Shale gas reporting system was implemented and operators were familiarized with the system at DGH.

(v) ONGC drilled 17 wells and collected 17 cores in their 50 shale gas blocks.

(vi) OIL carried out G&G studies in their 6 shale gas blocks

c) Projected Physical activities/achievements for the year 2015-16 during January-March, 2016

(i) Shale gas review meeting with ONGC on issue of environmental clearance was held at DGH.

(ii) International Shale Gas & Oil workshop was organized by DGH.

d) Projected activities/achievements for the year 2016-17

(i) Monitoring the progress of shale gas activities in the allotted blocks will continue

(II) Addressing the Environmental Clearance issues for shale gas wells.

6.18.14 Budget Outlay for DGH :

Actual Expenditure for (FY 2014-15)	BE Approved (FY 2015-16)	RE Proposed (FY 2015-16)	Actual Expenditure up to 31.12.2015	BE Proposed (2016-17)
Rs. 13851.57 Lacs	Rs. 19140 Lacs	Rs. 13415 Lacs	Rs. 8646.92 Lacs	Rs. 20348 Lacs

Source of generation of funds for the budget is grants from OIDB.

CENTRE FOR HIGH TECHNOLOGY (CHT)

6.19.1 INTRODUCTION

Centre for High Technology (CHT) was established by Ministry of Petroleum & Natural Gas (MOP&NG) in 1987 as a specialised agency of the oil industry to assess futuristic technology requirements and to promote development and adoption of new refinery processes, petroleum products and additives.

CHT acts as the Technical Wing of MOP&NG for implementation of scientific and technological programmes of Govt. of India. Major functions of CHT include assessment of technology requirement as also operational performance evaluation and improvement of the refineries. CHT acts as a focal point of oil industry for centralised technical assistance, knowledge dissemination, performance data base, exchange of information and experience. CHT also coordinates funding of research work in refining and marketing areas and pursue the programmes of *"Scientific Advisory Committee on Hydrocarbons"* of MOP&NG.

a) Major activities undertaken during 2014-15 and April-Dec 2015 were as under:

b) Integrated Refinery Business Improvement Program (IRBIP) Phase-II:

IRBIP Phase-II, initiated in February 2011 and spanning over 36 months, is being executed by CHT through M/s Shell Global Solutions International (SGSI) at 3 PSU Refineries viz. BPCL Mumbai, HPCL Mumbai and MRPL. The total benefit at these refineries is expected to be higher than the estimated ~ 39.0 Million US$/ year.

At BPCL-Mumbai, all the twelve PFIs (Projects for Implementation) with a potential benefit of 14.7 c/ bbl have been implemented.

While at HPCL-M, out of three PFIs having a potential benefit of 4.3 c/ bbl, one has been completed and the other two which are shutdown related, necessary actions are being taken by the refinery.

At MRPL, ten PFIs with a potential benefit of 24.81 c/ bbl were approved for implementation. Two PFIs were implemented with net benefit of 1.174 c/ bbl and remaining PFIs are under various stages of implementation.

c) Technical Services Agreement (TSA):

CHT on behalf of the oil industry had entered into Technical Services Agreement (TSA) with Shell Global Solutions International in April 2013. TSA contract concluded on 30th June 2015, after expiry of 2-year contract period. During the period, 2284 man-hours were utilized as against 2000 fixed fee man-hours.

Major studies during the first year of TSA included RBI (Risk Based Inspection), Study of Process Units at CPCL, Review of IOC Spec for Mechanical seals and Analysis of Frequent Pump Failures at BPCL-Mumbai. Major studies during second year of study included Hydrocarbon Loss Study at Gujarat and Haldia refineries of IOC and BPCL-Mumbai, Electrical system reliability Study at MRPL, Sour water pipeline failure at NRL and SRU condensers' failure at HPCL Visakh.

d) Performance Benchmarking of PSU refineries:

CHT, on behalf of MoP&NG and PSU/ JV refineries, has engaged M/s Solomon Associates to benchmark refineries based on the data for the calendar year 2014. Similar to the previous two cycles in 2010 and 2012, the 2014 benchmarking study will help in gap identification for achieving greater efficiencies, enhanced reliability and improved margins by the refineries. Data submitted by the refineries has been validated by the consultant and the final reports has been received in February 2016.

e) Auto Fuel Vision & Policy 2025:

The Expert Committee on Auto Fuel Vision & Policy-2025, that was constituted in December 2012 by MOP&NG under the Chairmanship of Shri Saumitra Chaudhuri, the then Member Planning Commission, submitted its report in May 2014. CHT provided extensive technical and secretarial support to the Expert Committee in preparation, finalisation and publication of the Report.

f) ISO 9001 Certification for CHT:

CHT was certified by M/s DNV for the Quality Management System Standard, ISO 9001:2008 in July 2013. M/s DNV carried out Periodic Audit – PA1 and PA2 as per QMS procedures on 2nd July 2014 and 17th July 2015 respectively and accordingly certified Centre for High Technology for continuation with the Quality Management System Standard, ISO 9001:2008.

g) 19th Refinery Technology Meet (RTM):

19th Refinery Technology Meet (RTM), the Annual International Refining Conference was successfully organised by Centre for High Technology under the aegis of MOP&NG during 12th-14th November 2014 at Chennai. The RTM with the theme *"Emerging Refining and Energy Landscape"*, showcased the technological advancements, latest developments made by the Indian refining sector and provided a platform for sharing, interacting and exchange of technical ideas among refinery operators, leading technology providers, researchers etc. Eleven PSU companies and 46 JV/ Private/ Foreign companies with 635 delegates participated in the Meet. 163 technical papers were presented. A dedicated Q&A Session on Refinery Operations was also organised. Twelve leading companies had put up Exhibition Stalls.

Shri Saurabh Chandra, IAS, the then Secretary, P&NG inaugurated the Meet and also gave away the Energy Performance Awards for 2013-14 and the OGCF Awards for 2014 to the winning refineries. Shri Sandeep Poundrik, IAS, Joint Secretary (Refinery), MOP&NG made a presentation on "Refining Overview" and Shri Saumitra Chaudhuri, ex-Member, Planning Commission, Govt. of India delivered the Theme Address.

h) Energy Efficiency Improvement Study of HPCL-Visakh Refinery:

Energy Efficiency Improvement Study (EEIS) for HPCL, Visakh was jointly undertaken by CHT and EIL. Data collection from HPCL, Visakh and its validation has been completed. Draft Report received and comments sent to EIL. Final report awaited.

i) Indigenous Technology Development:

CHT co-ordinates the activities of Scientific Advisory Committee (SAC) on Hydrocarbons of MOP&NG in identifying and funding of research projects for hydrocarbon sector.

SAC approved and steered projects of national importance and refining operations. During the period, SAC approved following four new projects:

i. Development of catalyst and process for Slurry phase Residue Hydrocracking

ii. Hydrogen production by catalytic decomposition of Natural gas

iii. Bio-mass hydro-pyrolysis for production of fuel grade hydrocarbons Phase-I

iv. Renewable crude and liquid hydrocarbon fuels from Algae

Also two hydrogen related projects on i) 'Hydrogen generation from water by thermo-chemical process' and ii) 'Use of hydrogen-CNG blends in automotive vehicles' were successfully completed, while one project on 'hydrogen production by dissociation of water using photo-catalytic process' was fore-closed.

SAC was reconstituted in October 2014 with revised mandate under the Chairmanship of Dr Anil Kakodkar, an eminent Scientist and DAE Chair Professor, BARC.

j) Jawaharlal Nehru Centenary Awards for energy performance of Refineries for 2014-15:

CHT compiled and evaluated the energy performance of PSU refineries, including Private refineries, viz., Reliance & Essar, in terms of specific energy consumption (MBTU/ BBL/ NRGF) for giving *'Jawaharlal Nehru Centenary'* Awards for 2014-15, instituted by MOP&NG. The awards were finalised by the Award Selection Committee and will be presented during the 20th RTM.

k) Oil & Gas Conservation Awards for 2015 and 2016:

Centre for High Technology organized surveys in the area of "Steam leak" during January 2015 and for "Furnace/ Boiler Insulation effectiveness and Furnace/ Boiler efficiency" during January 2016. The survey was conducted simultaneously at all Refineries including Jamnagar Refinery of Reliance and Vadinar Refinery of Essar.

The survey data for 2015 was evaluated by CHT and the awards were finalised by the Award Selection Committee, and will be presented during the 20thRTM. The data for 2016 is under evaluation by CHT.

l) Performance Awards for Refineries and R&D for Innovation

After the 32nd Governing Council's approval for institution of R&D Awards for Innovation, nominations for the following three categories were invited from the Industry:

i) Best Indigenously Developed Technology

ii) Best Innovation in Refinery (refinery/ group/ individual)

iii) Best Innovation in R&D Institute (institute/ group/ individual)

The Committee headed by Dr. Anil Kakodkar, Chairman, SAC finalised one Award each in the first two categories and two Awards in the 3rd category of 'Best Innovation in R&D Institute'. Accordingly, four applications are recommended for Innovation Awards, which will be presented during the 20th RTM.

m) Performance Awards for Refineries w.r.t. lowest Carbon Di-oxide Emission:

For Green House Gas (GHG) inventory benchmarking of refineries, CHT in consultation with all the refineries, finalized the methodology for comparing the performance w.r.t. GHG emissions and decided to use Carbon Weightage Tonnage (CWT) method for evaluation.

Governing Council in its 33rd meeting approved the CHT proposal to refer the evaluation of GHG performance to the same Committee that evaluates the Energy Performance Awards constituted by MOP&NG. MOP&NG has also accorded its approval of the new parameter "Carbon Di-oxide Emission from PSU, JV and Private Refineries"

The data of the refineries reconciled and compiled by CHT for 2014-15, was evaluated by the Committee and Awards were finalised, which will be presented during the 20th RTM.

n) Compendium of Indian Refineries:

Centre for High Technology (CHT) being the nodal agency of the Ministry of Petroleum & Natural Gas and evaluating the performance of refineries, felt the need to have Indian refineries' information available at one place.

Accordingly, CHT prepared a Compendium of Indian Refineries in February 2015 covering all the 22 refineries' process configuration, capacity, process licensors etc. The compilation covering all the refineries will be handy for any specific reference.

o) Activity Committee Meetings:

With the aim of sharing of best operational practices & improvements and dissemination of information on latest developments, CHT organised Activity Committee Meetings on major areas of Refinery operations and Pipelines. During the period, CHT has organized 11 Nos. of Activity Committee Meetings as below:

1. Inspection practices in refineries
2. Fluidised Catalytic Cracking - 2 meetings
3. Environmental Management - 2 meetings
4. Rotary Equipment
5. Hydro-processing
6. Delayed Coker & Visbreaker

7. Fuel & Loss and Energy optimization

8. Reformer

9. Power Generation, Boiler Operations, Electrical Distribution & Maintenance

p) Perform, Achieve and Trade (PAT) Scheme implementation in refineries:

Perform, Achieve & Trade (PAT) is a regulatory instrument to reduce specific energy consumption (SEC) in energy intensive industries, with an associated market based mechanism to enhance cost effectiveness through Energy Saving Certificates (ESCerts), which can be traded. BEE (Bureau of Energy Efficiency) has been vested with the mandate of implementation of PAT scheme.

The revised MBN methodology for computation of Specific Energy Consumption (SEC) developed by CHT has been accepted to be the performance metric for the PAT scheme. CHT is also helping BEE in developing the format for collection of required data from the Refineries and the calculation of Specific Energy consumption.

q) Grid Supply for Refinery Operation:

In the pursuit of utilising cheaper Electrical Power from the Grid for Refinery operations instead of refinery Captive Power Plants, CHT initiated deliberations along with concerned officials from all the PSU Refineries and prepared a detailed paper on the status of power usage in the refineries, and the opportunities to avail purchased power in place of captive generation.

r) Other Activities:

- CHT reviewed and examined applications for issuance of essentiality certificates for import of various project items and submitted its analysis/ recommendations to MOP&NG.

- CHT prepared the consolidated report on the analysis of refineries' performance and submitted for review by MOP&NG.

6.19.2 Budget Outlays

(Figures in Rs. lakh)

Particulars	2014-15			2015-16		2016-17
	BE	RBE	Actual	BE	RBE	BE
Revenue Expenditure	965.0	905.0	959.66	900.0	980.8	1110.4
Capital Expenditure	12.0	5.0	4.73	5.0	2.5	3.0
Projects:						
(a) R&D Projects	335.0	945.0	599.15	1797.0	596.0	1182.0
(b) Special Studies	250.0	225.0	84.14	350.0	390.0	500.0
Total	1562.0	2080.0	1647.68	3052.0	1969.3	2795.4

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY (RGIPT)

6.20.1 Introduction, Goals and Mandate:

In order to meet the shortfall of trained technical manpower in the petroleum sector, the Government of India, approved in July, 2007 the setting up the Rajiv Gandhi Institute of Petroleum Technology (RGIPT) at Jais, near Rae Bareli in Uttar Pradesh. Through an Act of Parliament passed in December 2007, RGIPT was accorded the status of an Institute of National Importance. The Institute is envisaged to serve as the fountainhead for the nurturing the world class technical human resources capable of serving as leaders and innovators of tomorrow in the field of Petroleum Technology and Engineering covering the entire hydrocarbon value chain. The RGIPT Act 2007 came into effect from 01.06.2008. The First Statues of RGIPT came into force with effect from 16.10.2009 which stipulated the provisions for appointment of various authorities of the Institute, their powers, functions and responsibilities for running the Institute.

6.20.2 Financial Approval:

The total expenditure sanctioned for RGIPT Jais Campus during the project period (2007-2016) is Rs. 695.58 crores, comprising total capital expenditure of Rs. 435.00 crores and total recurring expenditure of Rs. 260.58 crores. Of the capital expenditure, Rs. 150.00 crores will be borne by the Oil Industry Development Board (OIDB). The remainder (Rs. 285.00 crores) will be met with the budgetary support from the Government of India. The total estimated recurring expenditure of Rs. 260.58 crores will be met from the interest accruing on Endowment Fund of Rs. 250.00 crores which has been created with contribution of oil Public Sector Undertakings (PSUs), student fees and the amount raised by the Institute through its own sources.

6.20.3 Revised Capital Outlay

As per the EFC sanction ref. no. 42024/6/2012-Gen.(Vol.II) dtd. 16.3.2015 (copy enclosed as **Annexure-1**) the above capital expenditure has been revised to Rs. 538 crore (against previous sanction of Rs. 435 crore). To meet this capital expenditure, a total of Rs. 388 crore will be drawn from budgetary support of Govt. of India (against the previous sanction of Rs. 285 crore) during the 12th Five Year Plan. The share of OIDB continues to remain same as Rs. 150 crore.

6.20.4 Activities and Functions:

a) Academic

The academic programmes of the Institute have started from 2008 onwards. RGIPT is operating from temporary campus at Rae Bareli and Noida introduced two B.Tech programmes (Reservoir Engineering and Chemical Engineering) and MBA programme in Petroleum & Energy Management at Noida. In 2009, M. Tech and later Ph. D programme has been added. By 2016-17, the Institute will become functional at Jais and more programmes are proposed to be introduced in under-graduate and post graduate levels (B.Tech, M.Tech, M.Sc., Integrated M.Sc/ MBA etc). Besides this, the focus on research activities will increase.

b) Campus Construction:

The acquisition of major portion of land (95 acres) for RGIPT's own campus at Jais has been delayed due to various reasons. Therefore, it has been decided to construct the campus on the available plot of 47 acres purchased from Indian Oil Tanking Limited at Jais. The civil work construction activities commenced from August, 2010. However, due to the poor performance of the contractor and invoking arbitration process, the contract was terminated in May 2013. A new composite contract has been awarded in September 2013 with completion schedule within 31st March 2016. However, there has been delay in the progress of the work which is due to non-receipt of adequate capital funds from Govt. Budgetary Support during 2015-16 to RGIPT.

6.20.5 Budget Allocation:

Due to several hindrances as mentioned above, the completion of the RGIPT Campus Project at Jais by the end of XI Plan was not possible. As per the EFC recommendation, the campus project construction has now rolled-over to 12th Five Year Plan. During 2015-16, Rs. 48 crore was released from GBS. Against the revised sanction of capital funds of Rs. 388 crore from GBS, RGIPT has received a total of Rs. 152.90 crores upto December 2015 which has been fully utilized (This includes above Rs. 48 crore). The capital fund of Rs. 155.00 crore is proposed to be released to RGIPT through 3rd and Final Supplementary Demand for Grants (2015-16). The budgeted expenditure for 2016-17 is Rs.80.10 crore. As mentioned in the Para 3.2 above, lack of funds has caused delay in progress of composite construction work.

The relevant information in the prescribed format for Outcome Budget is attached.

6.20.6 Assam Centre

Hon'ble Prime Minister, during his visit to Assam in August, 2008 made an announcement, for setting up of a centre of RGIPT in the State of Assam. The primary objective of the Assam Centre is to offer programmes of education and training of skilled technical manpower in the petroleum sector at the diploma and advance diploma levels.

The Government of Assam has allotted 100 (One hundred) acres of land at village Gohain Gaon, Distt. Sivasagar to RGIPT for setting up the Centre. Hon'ble Prime Minister of India has laid the foundation for the Assam Centre of RGIPT at Sivasagar, Assam on in February 2011. The capital cost of Rs. 143 crore is being funded by OIDB and Oil PSUs. No Govt. budgetary support has been proposed for the Assam Centre.

The execution of the project is delayed consequent to site related issues requiring large quantity of earth filling and piling work which has since been completed. Meanwhile, the project cost has undergone revision from the original estimate of Rs. 143 crore to Rs.235 crore. In this regard, the Expenditure Finance Committee (EFC) note for sanctioning of the revised cost is under process by MoPNG.

6.20.7 Petroleum University in Andhra Pradesh

In terms of the Andhra Pradesh Reorganization Act, 2014, the Government of India is to establish a Petroleum University in the 12th and 13th Plan Periods in the State of Andhra Pradesh. In this regard, the Detailed Project Report has been submitted. However, this is not a Centre of RGIPT.

It is proposed to set up an Indian Institute of Petroleum Energy (IIPE) at Sabbavaram Manadal, Vishakhapatnam for which nearly 200 acres of land has been identified by the Govt. of Andhra Pradesh. It is proposed to start the academic session from the year 2016-17. A budget of Rs. 1 crore was budgeted in 2015-16 from Govt. Budgetary Support.

Presently, the EFC proposal for setting up of Petroleum University is under process by MoPNG and funds will be allocated during 2016-17 after the Cabinet approval is received. However, the process to commence the academic session from temporary campus in 2016-17 is in progress. The above mentioned budget of Rs. 1 crore was not released from GBS in 2015-16 as Cabinet Approval for setting up of Petroleum University is still under process.

6.20.8 Bangalore Centre

The foundation stone for Bangalore Centre of RGIPT was laid by Hon'ble Minister P&NG on 5th March 2014. The Detailed Project Report was submitted to MoP&NG in October, 2014. The State Govt. of Karnataka has directed Karnataka Industrial Area Development Board (KIADB) to allot 150 acres of land at Hoskote Taluk, Bangalore Rural District free of cost and free from encumbrances. The total project cost is Rs. 478 crore (Capital Expenditure – Rs. 358 crore and Recurring expenditure – Rs. 120 crore). EFC and other approvals are under process for setting up the Centre. The land identified by KIADB is yet to be handed over to RGIPT.

PETROLEUM & NATURAL GAS REGULATORY BOARD (PNGRB)

6.21.1 INTRODUCTION

Petroleum & Natural Gas Regulatory Board (PNGRB) was establish by the Central Government on 1.10.07 under the provision of the Petroleum & Natural Gas Regulatory Board Act, 2006, to regulate the refining, processing, storage, transportation, distribution, marketing and sale of petroleum, petroleum products and natural gas excluding production of crude oil and natural gas so as to protect the interest of consumers and entities engaged in specified activities in the sector, ensure uninterrupted and adequate supply of petroleum, petroleum products and natural gas in all parts of the country and promote competitive markets. In order to further this goad, the Board has, over the years not only granted authorizations for setting up of Natural Gas and Petroleum Products Pipelines, but also laid the foundation for a widespread CGD network by authorizing CGD entities across diverse Geographical Areas all over the country. The Board has been committed to ensuring total transparency and objectivity in this process. This is ensured though wide consolations not only with the stakeholders but also with the general public regarding regulations governing such authorizations and other important decision taken by the Board

2. During the year 2014-15 and 2015-16 following CGD networks, natural gas pipeline, petroleum and petroleum products pipeline were authorized the Board:

CGD network- Geographical Area (GA)

S. No.	2015-16	2104-15
1.	East Godavari	GA Hazira
2.	West Godavari	GA Kutch West
3.	Haridwar	
4.	Dadra & Nagar Haveli	
5.	Thane	
6.	Amritsar	
7.	Udham Singh Nagar	
8.	Daman	
9.	Ernakulam	
10.	Dharwad	
11.	Panipat	
12.	Ludhiana	
13.	Raigarh	
14.	Pune	
15.	Krishna	
16.	Belgaum	
17.	Tumkur	
18.	Kolkata	
19.	Ahmedabad	
20.	Anand	

Natural Gas Pipeline

S. N.	2015-16	2014-15
1.	Ennore-Thiruvallur-bengaluru-Pondicherry-Nagapattinam0Madurai-Tuticorin	Kakinada-Srikakulam
2.	Jaigarh-Dabhol	Ennore-Nellore
3.	Vijaipur-Auraiya-Phulpur	Dulki-Maharajganj
4.		Uran-Taloja

Petroleum and Petroleum Product Pipeline

S. No.	**2015-16**	2014-15
1.	Mundra-Delhi	Jamnagar-Loni LPG Pipeline
2.	Paradip-Raipur-Ranchi	
3.	Vizag-Secunderabad	
4.	Ennore Port-Manali Industrial Area	

List of regulations that were notified by the Board during the two years are detailed below:

2015-16

Sl. No.	Name of the Regulations
1.	(Third Party Conformity Assessment) Regulations, 2015
2.	(Determining Capacity of City or Local Natural Gas Distribution Network) Regulations, 2015
3.	(Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Amendment Regulations, 2015
4.	(Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Amendment Regulations, 2015
5.	(Determination of Natural Gas Pdipeline Tariff) Amendment Regulations, 2016

2104-15

Sl. No.	Name of the regulations
1.	(Authorising Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Amendment Regulations, 2014
2.	(Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Amendment Regulations, 2014

3.	(Technical Standards and Specifications including Safety Standards for City or Local Natural Gas Distribution Networks) Amendment Regulations, 2014
4.	(Determination of Petroleum and Petroleum Products Pipeline Transportation Tariff) Amendment Regulations, 2014
3.	As already mentioned the Board remains committed to the growth of the sector in a competitive manner and works through transparent process. However, not specific programmes or schemes are implemented by the board. Accordingly, no targets for 2015-16 have been identified and fixed.
4.	Board receives Grant-in-Aid from MoP&NG for meeting its day to day expenses. All its expenditure is towards operational expenses alone and there are no other specific programmes being administered by PNGRB.

SOCIETY FOR PETROLEUM LABORATORY (SFPL)

6.22.1 Actual Physical Performance for full preceding year 2014-15:

Based on annual audited financial statement of accounts (passed/ratified by Governing Council in its meeting held on 29.9.2015) and referring to previous correspondence on the subject following are the inputs for financial year 2014-15:

S.No.	Parameter	Amount in Rs. Lakhs	Remarks
1	Budget estimate BE 2014-15	220	
2	Fresh Grant in aid received in 2014-15 Unspent of amount of grant of 2013-14 carried forward	179NIL	· Cut in grant-in-aid was imposed in two stages. At the time of sanction of total grants and at the time of sanction of last 2 quarters grant. Total cut imposed was Rs 41 lakhs over Budget Estimate.
3	RE 2014-15 as submitted to MOPNG vide letters dated 31-10-2014 and 14-11-2014 & comparison with BE	**BE 2014-15**	**RE 2014-15**
	Break up:		
	(i) Salary Head	220	209
	(ii) Non-salary head (includes Manpower/ Mgmt fee to IIP)	10.8 209.2	8.4 200.6
4	Utilisation of Grants and submission of Certificate	**174.17**	Utilisation Certificate furnished to MoPNG vide letter dated 16-10 201597.3% of grants were utilised in the year 2014-15

5	Physical Performance and actual expenses incurred	·	Number of samples received was 719 and tested/reported were 1064 for the year. · Actual expenses (excluding depreciation) incurred based on audited financial statement for the year 2014-15 is Rs 174.17 lakhs which is 97.3% of grants received (Rs 4.83 lakhs lower than the grants received). Unutilised amount was adjusted towards grants to be released for 2015-16 by MoPNG.

Annexure-2

2) Performance of 9 months for current year 2015-16 :

Performance of current financial year 2015-16 for the period of 9 months i.e., April '15 to Dec.'15 is given below:

S.No.	Parameter		Amount in Rs. Lakhs	Remarks
1	Budget estimate BE 2015-16		225	Based on testing requirement of 1200 number of samples for the year.
2	Grant in aid allocated for 2015-16		209 (Salary Head: 9 Non-salary Head: 200)	Allocated amount is less than BE under non-salary head. To match the grants operation performance target revised to 960 samples per year.·
	Unspent of amount of grant of 2013-14 carried forward		4.83	
	Grant sanctioned for 2 quarters of 2015-16		100.5 (Salary Head: 5.5; Non-salary Head: 95)	Grant in aid of first 2 quarters of 2015-16 is yet to be released by Ministry
3	RE 2015-16 as submitted to MOPNG on 30-10-2015 Oct., & Nov., 14	**BE 2015-16** **225**	**RE 2015-16** **234**	Increase in RE was on account of payment to be made to NOIDA authority towards annual landlease rent arrears (principle amount) and enhancement of manpower/management fee to IIP Dehradun from 2015-16 in line with the decision taken by Governing Council in its 29th meeting held on 27-10-2015.Break up of BE and RE expenditure head wise is given as **annexure-3A**
	Break up:			
	(i) Salary Head	9	9	
	(ii) Non-salary head (includes Manpower/ Mgmt fee to IIP)	216	225	

5	Physical Performance (April 2015 to Dec., 2015)	Number of samples received in first 9 months of the current fiscal year are 782 and number of samples tested/reported are 671.

3) Targeted Performance for financial year 2016-17 :

Following are the salient points of targeted performance for next financial year 2016-17:

S.No.	Parameter	Amount in Rs. Lakhs	Remarks
1	Budget estimate BE 2016-17	**248**	
2	BE 2016-17 break up under salary and non- salary heads:	**BE 2016-17**	Break up of BE 2016-17 expenditure head wise is given
	Break up:		as **annexure-3A**. Based
	(i) Salary Head	**11**	on the decision taken in 29th
	(ii) Non-salary head (includes Manpower/ Mgmt fee to IIP)	**237**	GC Meeting held on 27-10-2015, manpower /mgmt fee
	TOTAL	**248**	to IIP has been enhanced from 2015-16 onwards @25% over and above rates fixed in year 2010-11 on provisional basis. Based on 7th Pay Commission implementation it will be further reviewed by GC for any further enhancement.
5	Target Physical Performance	Budget has been worked out based on testing requirement of 1200 number of samples for the year 2016-17	

Annexure-3A

Budget Estimates: BE 2015-16 (tabled), BE 2015-16 (as per grants), RBE 2015-16 and BE 2016-17 :

(All financial figures in Rs Lakhs)

S.no.	Expenditure Head	BE 2015-16 (tabled)	BE 2015-16 (as per grants)	RBE 2015-16	BE2016-17
	Basis: Operational Performance of testing of auto fuel samples for the year	**1200**	**1080**	**960**	**1200**
1	Manpower charges inclusive of management fee, dislocation and travel expenses to IIP	76.5@	73.9@	86.7@	95.3@
2	Leased accommodation for IIP staff	3.0	3.0	3.0	3.5
3	Contractual service for Security, Housekeeping and Gardening & Horticulture	25.5	25.5	25.5	26.0
4	Electricity, Power, Water, Telephone, Postage, Stationary, Printing, Administrative Expenses, Local Transport , miscellaneous expenses etc.	14.0	12.0	12.0	15.0
5	Fuel for Diesel Generator sets	1.0	0.5	0.5	1.0
6	Procurement & installation of new submersible water pump (deep tubewell), Repair and Mce of building & internal roads, retrofitting/renovation/ facelift of laboratory building and its premises	6.0	4.0	4.0	5.0
7	AMC for Civil/Electrical/Plumbing/ACs/ Pest Control Services/replenishment of condemned items etc	5.0	3.0	3.0	3.0
8	Chemicals & consumables, glass wares, laboratory equipment repair and maintenance, spare parts procurement, laboratory cleaning material etc.	26.0	24.0	24.0	26.0
9	Education/Training/Seminars/Conference /GC meeting/Annual Report & brochure printing etc	1.5	1.5	1.5	1.0

10	Land lease rent/insurance/auditors'fee/ fee for hiring CA firm for writing SFPL Cash/account books /incometax expenditure statements/ balance sheet, expenses for filing returns for SFPL by CA Firm/ED SFPL salary/conveyance/travelling etc	18.5	18.0	32.0	21.5
11	Correlation programme, testing charges for special drives/over flows of samples	1.5	1.0	1.0	1.0
12	Safety Equipment + Library Books /periodicals/standards etc	1.5	1.5	1.5	1.0
13	Capital expenditure	25#	25#	25#	35@@
14	Service tax	20	16	14*	14*
	GRAND TOTAL	225	209	233.7	248.3
	GRAND TOTAL (ROUNDED OFF)	**225**	**209**	**234**	**248**
	SALARY HEAD	**9**	**9**	**9**	**11**
	NON-SALARY HEAD	**216**	**200**	**225**	**237**

@ Manpower charges/Management Fee to IIP Dehradun are enhanced adhoc basis @25% over and above that prevailing upto 2014-15 based on the decision taken in 29th GC Meetings held on 27-10-2015. Manpower/Management fee payable to IIP will be further reviewed based on 7th Pay Commission recommendations.*Service Tax on manpower/management fee of IIP only was considered. For other activities/contracts it will be based on actuals.

Explanatory Note:

For 2015-16 Capital Items:

It is planned to procure one number of Auto Distillation Apparatus and one 15 KVA UPS in the year under capital items. Presently one number of auto distillation apparatus (Optidist-PAC) is in use which was procured in the year 2009. Originally Laboratory had 2 nos of auto distillation apparatus which were condemned due to wear and tear. Apart from the above to ensure smooth testing and minimise impact of power interruptions when testing is in progress one number of 15 KVA UPS is required for Laboratory to hook to the testing equipment where presently facility do not exist partly.

@@ **For 2016-17 Capital Items:**

It is planned to procure one number of HPLC Equipment which is used for measuring composition (PAH etc.) of middle distillate fuels like Diesel. Present equipment in use was procured in the year 2005 and as a replacement for this new equipment is being planned for 2016-17.

ABBREVIATIONS

ADB	:	Asian Development Bank
AGCL	:	Assam Gas Company Limited
AIDA	:	All India Distillers' Association
APDRP	:	Accelerated Power Development Reform Programme
APM	:	AdministeredPrice Mechanism
AREP	:	Accelarated Rural Electrical Programme
ARN	:	Aeromatic Rich Naptha
ATF	:	Aviation Turbine Fuel
AVU	:	Atmospheric Vacuum Unit
BCM	:	Billion Cubic Meter
BE	:	Budget Estimate
BGL	:	Bhagynagar Gas Ltd.
BHN	:	Bombay High North
BIS	:	Bureau of Indian Standards
BKPL	:	Barauni-Kanpur Product Pipeline
BLIL	:	Balmer Lawrie Investment Ltd.
BPCL	:	Bharat Petroleum Corporation Limited
BPL	:	Below Poverty Line
BRPL	:	Bongaigaon Refinery and Petrochemicals Limited
BS	:	Bharat Stage

BSES	:	Bombay Suburban Electricity Supply
CBM	:	Coal Bed Methane
CCR	:	Continuous Catalytic Reformer
CDU/VDU	:	Crude/Vaccum Distillation Unit
CFCL	:	Chambal fertilizers & Chemicals Ltd.
CFS	:	Container Freight Station
CHT	:	Centre for High Technology
CIDCO	:	City & Industrial Development Corporation of Maharastra Ltd.
CORF	:	Crude Oil Receipt Facilities
CNG	:	Compressed Natural Gas
COT	:	Crude Oil Terminal
CPCl	:	Chennai Petroleum Corporation Limited
CPP	:	Captive Power Plant
CRU	:	Catalytic Reforming Unit
DCS	:	Digital Control System
DFR	:	Detailed Feasibility Report
DGH	:	Directorate General of Hydrocarbons
DHDS	:	Diesel Hydro Desulphurisation Unit
DHDT	:	Diesel Hydro Treating
DME	:	Di-Methyl Ether
DMT	:	Di Methy 1 Terephlate

DOD	:	Department of Ocean Development
DUPL	:	Dahej Uran Pipeline Project
DVPL	:	Dehaj Vijaipur Pipeline Project
EBP	:	Ethanol-Blended Petrol
EIL	:	Engineers India Limited
E&P	:	Exploration & Production
EMP	:	Environment Management Plan
ERP	:	Enterprise Resource Planning
ETP	:	Effluent Treatment Plant
FCCU	:	Fludised Catalytic Cracking Unit
FDI	:	Foreign Direct Investment
GACL	:	Gujarat Alkali & Chemicals Ltd
GAIL	:	Gas Authority of India Limited
GCU	:	Gas Cracker Unit
GIPCL	:	Gujarat Industrial Power Company Limited
GLKM	:	Gas Oil Hydro Deisel
GNOP	:	Greater Nile Oil Project
GSECL	:	Gujarat State Electricity Corporation Limited
GSFC	:	Gujarat State Fertilizer Corporation
GSPL	:	Gujarat State Petronet Ltd
HCU	:	Hydro-cracker Unit

HDPE	:	High Density Poly Ethylene
HP	:	Himachal Pradesh
HPCL	:	Hindustan Petroleum Corporation Limited
HPL	:	Haldia Petrochemicals Ltd.
HSD	:	High Speed Diesel
IBP	:	Indo-Burma Petroleum
ICMA	:	Indian Chemicals Manufacturers Association
IEA	:	International Energy Agency
IEBR	:	Internal and Extra Budgetary Resources
IEFS	:	International Energy Forum Secretariat
IFFCO	:	India Farmers Fertilizer Cooperative Limited
IGIA-II	:	Indira Gandhi International Airport-II
IOCL	:	Indian Oil Corporation Limited
IOR	:	Improved Oil Recovery
IPCL	:	Indian Petrochemicals Ltd.
ISMA	:	Indian Sugar Mills Association
ISOM	:	Isomerisation
ISPRL	:	Indian Strategic Petroleum Reserves Limited
JLPL	:	Jamnagar Loni Pipeline
JNPT	:	Jawaharlal Nehru Port Trust
JV	:	Joint Venture

JWGs	:	Joint Working Groups
KBPL	:	Kandla Bhatinda Pipeline
KCJP - GVK	:	Kakinanda Cheruvu Junction Point - GVK
KL	:	Kilo Metre
KRL	:	Kochi Refinery Limited
KTA	:	Kilo Tonner Per Annum
KVSSPL	:	Koyali-Viramgaon-Siliguri-Sanganer Pipeline
LAN	:	Low Aromatic Naphtha
LDPE	:	Low Density Polyethylene
LKM	:	Line Oil Base Stocks
LNG	:	Liquefied Natural Gas
LPG	:	Liquefied Petroleum Gas
MDG	:	Marketing Discipline Guidelines
MGD	:	Million Gallons per day
MJPL	:	Mathura-Jallandar Product Pipeline
MMC	:	Ministry Monitoring Cell
MMSCMD	:	Million Standard Cubic Metre per Day
MMT	:	Million Metric Tonne
MMTOE	:	Million Metric Tonne of Equivalent
MMTPA	:	Million Metric Tonne per Annum
MNCs	:	Multi National Companies

MNES	:	Non-conventional Energy Sources
MOP&NG	:	Ministry of Petroleum & Natural Gas
MoU	:	Memorandum of Understanding
MP	:	Madhya Pradesh
MPCL	:	Mundra Panipat Crude Oil Pipeline
MR	:	Mumbai Refinery
MRPL	:	Mangalore Refinery and Petrochemicals Limited
MS	:	Motor Spirit
MSCM	:	Thousand Standard Cubic Metre
NCR	:	National Capital Region
NELP	:	New Exploration Licensing Policy
NGHP	:	National Gas Hydrate Programme
NGL	:	Natural Gas Liquids
NGRI	:	National Geophysical Research Institute
NHDT	:	Naphtha Hydro-treater
NIO	:	National Institute of Oceanography
NOCs	:	National Oil Companies
NRL	:	Numaligarh Refinery Limited
NTPC	:	National Thermal Power Corporation
ODJP	:	Oduro junction Point
OEMs	:	Original Equipment Manufacturers

OGL	:	Open General Licence
OIDB	:	Oil Industry Development Board
OIL	:	Oil India Limited
OISD	:	Oil Industry Safety Directorate
OMCs	:	Oil Marketing Companies
ONGC	:	Oil and Natural Gas Corporation Limited
OPEC	:	Organization of Petroleum Exporting Countries
OVL	:	ONGC Videsh Limited
PAT	:	Profit After Tax
PBT	:	Profit Before Tax
PCRA	:	Petroleum Conservation Research Association
PDS	:	Public Distribution System
PELs	:	Petroleum Exploration Licences
PLL	:	Petronet LNG Ltd
PMS	:	Parallel Marketing Scheme
PNG	:	Piped Natural Gas
PPAC	:	Petroleum Planning and Analysis Cell
PRAEP	:	Panipat Refinery Additional Expansion Project
PREP	:	Panipat Refinery Expansion Project
PSCs	:	Producation Sharing Contracts
PSUs	:	Public Sector Undertakings

PTA	:	Purified Thaleic Acid
Q&Q	:	Quantity and Quality
QPR	:	Quarterly Performance Review
R&D	:	Research and Development
RE	:	Revised Estimate
RIL	:	Reliance Industries Limited
ROs	:	Retail Outlets
ROU	:	Right of Use
RoW	:	Right of Way
RRA	:	Rapid Risk Analysis
RSP	:	Retail Selling Price
SBE	:	Statement of Budget Estimate
SBM	:	Single Buoy Mooring
SEZ	:	Special Economic Zone
SJWG	:	Special JWG
SKM	:	Square Kilometre
SKO	:	Kerosene
SPM	:	Single Point Mooring
SMPL	:	Salaya-Mathura Crude Pipeline
SMS	:	Site Mixed Slurry Explosives
SPA	:	Sale Purchase Agreement

SQKM	:	Square Kilometers
STUs	:	StateTransport Undertakings
TCWC	:	Techno-Commercial Working Committee
Teri	:	The Energy and Resources Institute
TEU's	:	Twenty Feet Equivalent Unit
TMT	:	Thousand Metric Tonne
TNEB	:	Tamil Nadu Electricity Board
TOP	:	Tap of Plant
TPA	:	Tonne Per Annum
VAT	:	Value Added Tax
VGO	:	Vacuum Gas Oil
VIEL	:	Vie Trans Pvt. Ltd
VLCC	:	Very Large Crude Carrier
VPT	:	Visakhapatnam Port Trust
VR	:	Visakh Refinery
VRS	:	Voluntary Retirement Scheme
VSAT	:	Very Small Aperture Terminal
VSPL	:	Vizag Secunderabad LPG pipeline
West UP	:	West Uttar Pradesh