



**The world is our asset**



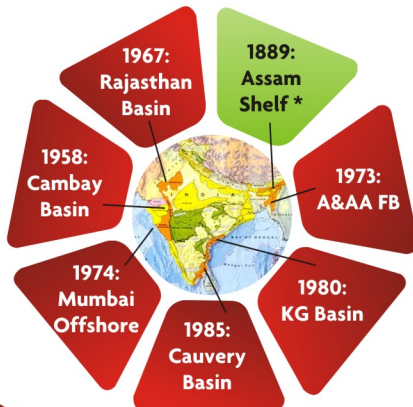
Courage to Explore | Knowledge to Exceed | Technology to Excel

# ONGC-INDIA'S PRIDE



## EXPLORATION

- **Discovered 6 out of 7** producing Basins of India



\* By AR & T Co. - Assam Railways and Trading Company Ltd.

- **Established 83%** of in-place Hydrocarbons in the country (8.5 BT)
- **Largest** exploration acreage and mining lease holder in the country
- Reserve Replacement Ratio (RRR) **more than 1 for last 10 years** consecutively (2 P).

### FY'16 performance:

- 17 Oil & Gas discoveries (7 in NELP blocks) [Oil & Gas: 7, Gas & Condensate: 10; Onshore: 7, Offshore:10];
- RRR – 1.51

## PRODUCTION



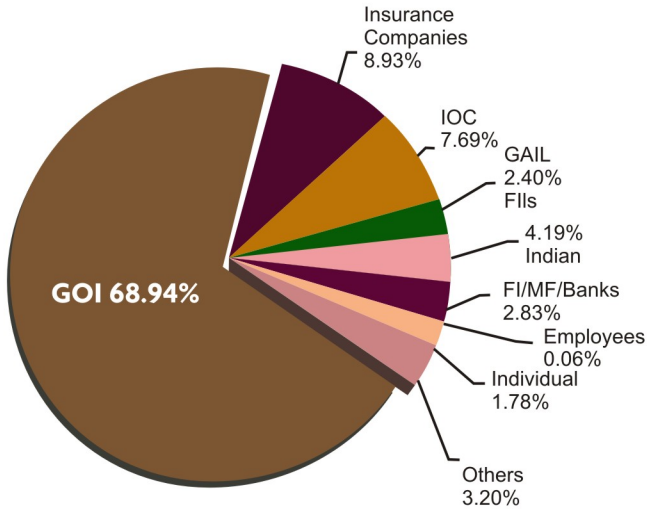
- Largest Crude Oil and Natural Gas producer in India
- Produced 1,801<sup>#</sup> MMTOE till date; Cumulative overseas O+OEG Production: 101,333<sup>#</sup> MMTOE

### FY'16 performance:

- Contributed **70%<sup>#</sup> of O+OEG production** of the country with 49.47 MMTOE
- ONGC Crude oil production registered increase 22.36 MMT (FY'15: 22.26 MMT)
- ONGC Natural gas production = 21.18 BCM (FY'15: 22.02 BCM)

# Includes share in PSC JVs

## SHAREHOLDING PATTERN \*As on 31.03.2016



**No. of shares:**  
8.555 billion

**No. of shareholders:**  
590,058

**Market cap\*:**  
USD 27 billion

## FINANCIAL HIGHLIGHTS

**Gross Revenue (FY'16):**  
₹ 78,569 crore

**Dividend (FY'16):**  
₹ 8,752\* crore

\* Including Dividend tax

**Profit After Tax (FY'16):**  
₹ 16,004 crore

₹ 150,724 Crore  
Capex in last 5 years

**CAPEX** FY'16: ₹ 29,502 crore<sup>†</sup> ;  
FY'17 : ₹ 29,307 crore<sup>†</sup>

<sup>†</sup>Provisional  
Plan

# PROJECTS

11 major field development/re-development projects approved since April'2014 with an investment of ₹ 69,780 Crore

- Development of KG-DWN-98/2 (Cluster 2): ₹ 34,012 Cr.
- Daman Development Project: ₹ 6,086 Cr.
- MHS – Phase-III: ₹ 6,069 Cr.
- MHN – Phase-III: ₹ 5,813 Cr
- Nagyalanka (KG-ONN-2003/1): ₹ 4,954 Cr.
- Enhanced Recovery from Bassein Field: ₹ 4,620 Cr.
- Neelam Redevelopment: ₹ 2,819 Cr.
- Additional Development Vasai East: ₹ 2,477 Cr.
- Gamij Field, Ahmedabad: ₹ 1,881 Cr.
- CBM – Bokaro: ₹ 659 Cr.
- Madanam (CY-ONN-2002/2): ₹ 390 Cr.

# NEW AVENUES

**Shale Gas:** ONGC was the first to establish shale gas presence in India. ONGC exploring Cambay, Krishna Godavari, Cauvery and A&AA basins. The first well at Cambay has been completed. 18 wells drilled for Shale Gas assessment in Cambay, Krishna Godavari, Cauvery and Assam & Assam-Arakan Basins.



**Wind Energy:** ONGC has installed a 51 MW wind energy farm at Bhuj in Gujarat. ONGC received 121,207 carbon credits for the environment-improvement wind power project, from the United Nation's Framework Convention on Climate Change.

Another 102.9 MW wind farm project is being implemented in Jaisalmer, Rajasthan as part of development of backward district. ONGC contribution towards the project is ₹ 5,620 million.

**Deepwater:** ONGC is giving major thrust to develop discoveries made in the deepwater fields in Krishna Godavari Basin on the Eastern offshore. ONGC is vigorously pursuing to develop these fields as early as possible and production schedules from these fields have been advanced considerably. ONGC has also commenced production from its first deepwater well in G-1 field from Nov'2013 with other fields to be put on production in coming years.



## National Gas Hydrates Programme (NGHP)

ONGC, in collaboration with multiple partners across the industry, has led Government's National Gas Hydrates Programme. As part of the NGHP's second R&D phase, 42 gas hydrate wells have recently been completed with encouraging results.



Shri Dharmendra Pradhan, Honble Minister of State (I/C), Petroleum & Natural Gas (center) and Shri Kapil Dev Tripathi, Secretary, MoPNG (Left) with ONGC Board of Directors on-board drilling vessel 'Chikyu' commissioned as part of the NGHP.





E&P domestic operations

## Subsidiaries

### Overseas E&P



#### ONGC Videsh Limited

Wholly owned subsidiary of ONGC. It is India's largest international oil and gas E&P company. Currently present in 17 countries across 5 continents with a balanced portfolio of 36 hydrocarbon properties, worth over USD 24.5 billion, in diverse geologies. ONGC Videsh's share of O+OEG production from overseas assets is nearly 13% of India's production. Production in FY'16: 8.92 MMToe (Oil: 5.51 MMT & Gas: 3.41 BCM)



### Refinery & Petrochemicals



#### Mangalore Refinery & Petrochemicals Limited

A 15 MMTPA state-of-the-art Refinery equipped with cutting edge technologies. Has the unique distinction of processing more than 61 crudes, light to heavy / sour to sweet with 24 to 46 API gravity. The first in the country to produce & despatch Euro III products in compliance with the Auto fuel policy of Government of India. The first to launch Euro IV grade fuels MS & HSD. Supplies products to all the three marketing companies: IndianOil, HPCL and BPCL.



#### ONGC Mangalore Petrochemicals Limited.

Situated in Mangalore SEZ. A joint venture value-chain integration project for manufacturing Paraxylene (0.92 MMTPA) and Benzene (0.27 MMTPA) from the aromatic streams of MRPL. Commercial production commenced. Approved project cost is ₹6,875 Crore



## Joint Ventures

### Petrochemicals



#### ONGC Petro-additions Limited., Dahej

A joint venture downstream petrochemical integrated project at Dahej SEZ. Ethylene Processing Capacity of 1.1 MMTPA. Feedstock will be C2-C3 from the adjacent plant and Naptha from Uran and Hazira plants of ONGC. Approved project cost ₹ 27,011 Crore.



### Power



Natural Gas-based 726.6 MW Power project at Palatana, Tripura to monetize the gas assets of ONGC in land-locked Tripura state and give a boost to exploratory efforts.



### Environment



ONGC TERI Biotech Limited

### Pipeline



Petronet MHB Limited

### SEZ



MSEZ



DSI

## Associates

### LNG



10 MMTPA LNG terminal at Dahej, Gujarat; Another 5 MMTPA terminal at Kochi, Kerala.



### Logistics

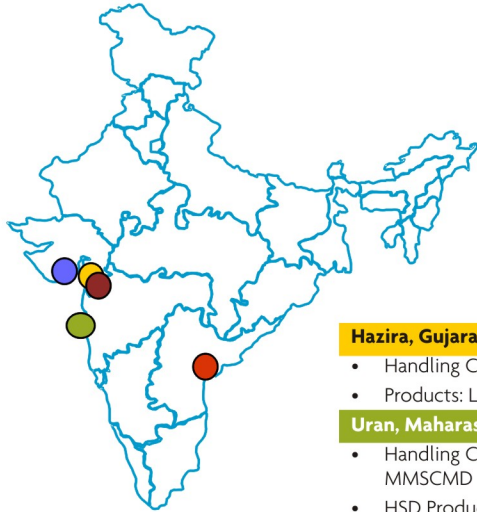


Pawan Hans Helicopters Limited  
(A Government of India Enterprise)

“ONGC remains committed to a vision of evolving into an integrated energy major of international repute”

Dinesh K. Sarraf,  
Chairman & Managing Director, ONGC

# PROCESSING INFRASTRUCTURE



## Hazira, Gujarat

- Handling Capacity: 42 MMSCMD Sour Gas
- Products: LPG, Naphtha, SKO, ATF, Propane

## Uran, Maharashtra

- Handling Capacity: 20 MMTPA Oil & 16 MMSCMD Gas
- HSD Products: LPG, C2-C3, Naphtha

## C2-C3 Plant, Gujarat

- Handling Capacity: 4.9 MMTPA of LNG
- Products: Ethane (C2), Propane (C3) and Butane (C4)

## Ankleshwar and Gandhar, Gujarat

- Handling Capacity: 0.1 MMTPA Oil & 1 MMSCMD Gas
- Products: LPG, Naphtha

## Tatipaka, Andhra Pradesh

- Handling Capacity: 0.1 MMTPA Oil
- Products: Naphtha, SKO, HSD, Fuel Oil

LPG Liquefied Petroleum Gas

SKO Superior Kerosene Oil

C2-C3 Ethane- Propane

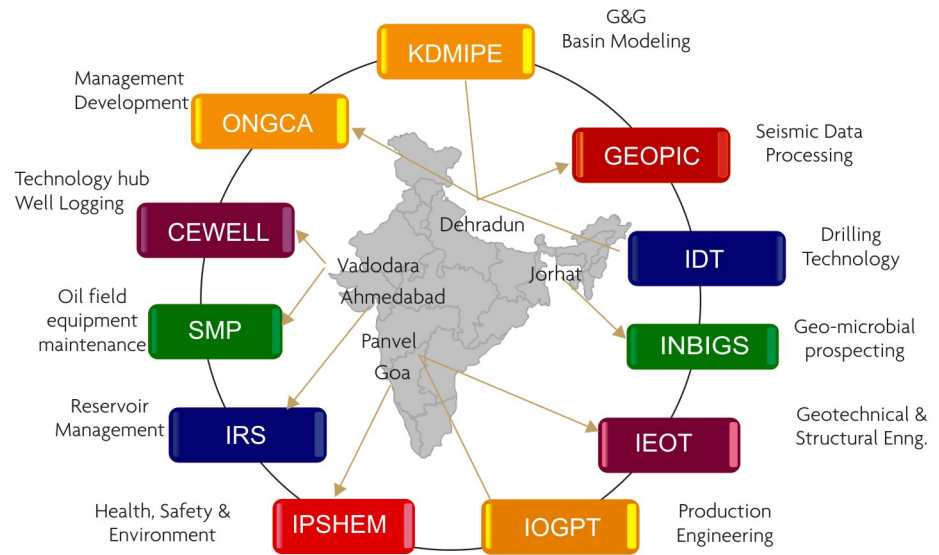
HSD High Speed Diesel

LSHS Low Sulphur Heavy Stock

ATF Aviation Turbine Fuel

MMTPA- Million Tonnes Per Annum  
MMSCMD-Million Standard Cubic  
Meter per day

# INSTITUTES



# CREATING SUSTAINABLE VALUE

ONGC's sustainable growth vision is based on the triple bottom line approach of 3P - People, Planet & Profit.

The tenets of sustainable development are embedded in ONGC's long term growth strategy and ONGC accords top priority to environment protection and conservation. The Company has taken numerous initiatives to safeguard its areas of operation from adverse environmental impact.

## Ringal Bamboo

To sustain the fragile ecosystem of Himalayas, Ringal plantation in Upper Himalayan region is being carried out as an initiative under National Action Plan on Climate Change launched by the Prime Minister. So far, 10.75 lakhs Ringal plantation in 430 ha of Upper Himalayan region has been done resulting in 1.97 MtCo<sub>2</sub> fixation per annum.



## Mangrove Plantation

Protection and stabilization of shoreline close to ONGC Assets, mangrove plantation is being carried out. So far, 19.95 lakhs mangrove plants have been planted in Gandhar area and 1.5 lakhs near Hazira Plant.



## Clean Development

ONGC has registered 12 Clean Development Mechanism (CDM) projects on gas flare reduction, waste recovery, green buildings, wind power and Natural Gas based power with the United Nations Framework Convention on Climate Change (UNFCCC).

As a fitting acknowledgment of ONGC's Green credentials, ONGC Tripura Power Company (OTPC) is registered with the UNFCCC as one of the largest CDM projects in the world. This 726.6 MW gas-based power generation plant would mitigate over 1.6 million tonnes of carbon-dioxide emissions per year for the next 10 years.



## Bio-Remediation

An environment-friendly option for disposal and treatment of soil contaminated by accidental oil spillages, ONGC in association with JV company OTBL, introduced bio-remediation wherein micro-organisms are harnessed on mass scale for application in the field. In FY15, about 69,152MT of oily sludge was bio-remediated across various assets of ONGC.



# TOUCHING LIVES

In the last 10 years, **ONGC has contributed ₹ 2,707 crore** towards its well-structured and focused CSR activities. ONGC pursuing major projects - setting up Educational Institutes, Hospitals, Wind Farm



**Swachh Vidyalaya:** ONGC has taken up initiative to provide sanitation facilities to thousands of schools across India. As on 10.08.2015, ONGC has built 8,198 toilets across India, highest among Oil PSUs.

**Empowerment of rural women** through income generation schemes.



Hon'ble MoS (I/C), MoPNG Shri Dharmendra Pradhan spearheads the Swachh Bharat movement at Jantar Mantar.

As part of the **Swachh Bharat Abhiyan**, ONGC has taken up cleanliness of monuments like Jantar Mantar and Taj Mahal.



**Swamp Deer Conservation:** As part of conservation of habitat, the Swamp Deer have been translocated from Kaziranga NP to Manas NP to increase their viable population.



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