Presentation overview

1. Preamble
2. Shaping Moves: achievements
3. Supporting Initiatives
Aspirations

1. Fold production growth in E&P
2. Fold growth in Revenue & EBITDA
3. Fold growth in Market cap
4. Verticals for no-E&P business
5. Fold growth in international E&P production
1. Grow overseas E&P to source 60 mmtoe/year of O+OEG by 2030

2. Unlock 400+ mmtoe of cumulative production from domestic exploration (YTF)

3. Accelerate 300-400 mmtoe of (re)-developments

4. Secure alliance for new resource types

5. Build non-E&P business to 30% of group revenue
PP2030

Seeking new horizons

> 130 mmtoe/year of O+OEG production

Overseas
> 60 mmtoe/year

New unconventional
> 20 mmtoe/year

Existing + YTD + YTF
> 40 mmtoe/year

of O+OEG production
Supporting Initiatives

1. Strengthen OVL processes & technical systems
2. Continued regulatory engagement on prices & policy
3. Strengthen staffing & capabilities in focus areas
4. Improve services delivery under new operating model
5. Align R&D with 2030 technology priorities
Footprints of a sustainable journey
Shaping move-I

Grow overseas E&P to source 60 mmtoe/year of O+OEG by 2030
Shaping move-2

Unlock 400+ mmtoe of cumulative production from domestic exploration (YTF)
Shaping move-3

Accelerate 300-400 mmtoe of (re)-developments
Identified (re)developments that contribute significant production and involve major CAPEX spend.

10 fields identified for priority accelerated development.

Rigorous Stage Gate Project Management Process implemented for project evaluation and monitoring.
The 10 major projects identified for (re)development

1. Mumbai High (North & South) Redevelopment Phase-III
2. Neelam-Heera Redevelopment
3. South Bassein – Additional Development
4. Daman-C Series
5. GK-28/42
6. Manik
7. KG-98/2
8. KG-98/2-UD
9. Assam
10. Gamij, Ahmedabad
Shaping move-4

Secure alliance for the new resource types
Secure alliance for new resource types

**Alliances**

- Alliance with ConocoPhillips in Mar’12 for Deepwater & Shale gas
- MOU with CNPC for cooperation in hydrocarbon sector in June’12
- MOU with Ecopetrol for jointly studying the fan-belt traps of Cachar Region in India & for cooperation in developing EOR/IOR technologies
- MOU with Mitsui for LNG
- Alliance with Blade energy for HP/HT
- Alliance with UNSW for Basement play

MOU with CNPC on 18th June’12
Shaping move-5

Build non-E&P business to 30% of group revenue
ONGC to selectively invest in the non-E&P sector, leveraging integration benefits from its existing portfolio and its balance sheet for competitive advantage.

Investments will include:
- Further expansion in petrochemicals at MRPL
- LNG re-gasification,
- Commercialization of stranded gas
- Capacity in alternative energy – Solar, Wind, Nuclear, etc.
### Ongoing Projects

<table>
<thead>
<tr>
<th>Project Details</th>
<th>Capex</th>
<th>Completion Status</th>
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<tbody>
<tr>
<td><strong>MRPL Refinery Expansion to 15 MMTPA</strong></td>
<td>₹ 12,000 Crore</td>
<td>Scheduled completion 2013</td>
</tr>
<tr>
<td><strong>OPaL – Olefinic Petchem at Dahej</strong></td>
<td>₹ 21,396 Crore</td>
<td>Scheduled completion 2015</td>
</tr>
<tr>
<td><strong>OMPL – Aromatic Petchem at Mangalore</strong></td>
<td>₹ 5,750 Crore</td>
<td>Operational</td>
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Planned Refinery Projects

1. MRPL Refinery Expansion to 18 & 21 MMTPA

2. Green Field Refinery and M&A for brownfield expansion
120 KTPA LAB plant, integrating Kerosene from refinery & Benzene from Petrochemical Complex OMPL (approx USD 404 million) under consideration.

OMPL initiated tender for bids for long-term sale of Paraxylene and Benzene with off-takers interested in setting up PTA & Phenol plants with option of OMPL’s equity participation.

ONGC along with its partner GAIL is examining viability of implementing a 100 KTPA PBR project by utilizing Butadiene, available from OPaL, as feedstock. Draft DFR submitted by EIL on July 31, 2013.

Ethylene Cracker’ and Pet-coke gasification project at MRPL. DFR is in progress with EIL.
ONGC is promoter of India’s 1st RLNG terminal of Petronet LNG Limited (PLL) along with other PSU promoters GAIL, IOCL & BPCL with 12.5% equity stake each.

Presently PLL is operating one terminal of 10 MMTPA capacity at Dahej with plans for expansion by another 5 MMTPA.

The Kochi Terminal of 5 MMTPA capacity is expected to be commissioned in August 2013 and PLL is also envisaging setting up a third terminal of Capacity 5 MMTPA, at Gangavaram, in the East Coast.
ONGC signed MOU with Mitsui, BPCL & NMPT for 5 MMTPA R-LNG terminal. Consultants engaged to carry out feasibility.

Consultants engaged to carry out prefeasibility in respect of Technical, Marine, Environment aspects-likely to be completed by August end.

Pursuing sourcing of LNG from Mozambique leveraging MOU with Mitsui & BPCL.

CGD – MOU with BPCL to target organic growth.

Pursuing Greenfield/ Brownfield opportunities for participation in LNG value chain project in several countries like; Mozambique, Russia, Canada, USA, Papua New Guinea etc.
Monetization of idle gas asset at Tripura – OTPC (726.6 MW)
Commissioned

Nuclear Power: Target 3 GW
- JV to be formed with NPCIL only after amendment in Atomic Energy Act.
Wind power: Target 2 GW
- 51 MW wind farm operational in Gujarat.
- 102.9 MW wind farm to be commissioned in March’14.
- Offshore wind farm opportunity being studied.

Solar power: Target 1.5 GW – based on grid parity
- Investment opportunity in ultra-thin crystalline silicon Solar PV technology being pursued.
- Pilot canal top 5 MW Solar PV project above IG canal in Rajasthan
- Discussion with various players in wind, solar & ‘Run of river’ hydro projects. Targeting stake in renewable energy company

Energy Efficient Lighting
- Opportunity for setting up LED chip manufacturing facility being pursued (49%). Due diligence, valuation completed & investment terms finalized
1.3 mmtpa Fertilizer plant at Tripura

- MOU with Chambal Fertilizers & Chemicals and Government of Tripura on April 9, 2013
- JV Company being incorporated. Feasibilities studies started.
- Estimated project cost ₹ 5,000 Crore. Planned commissioning September 2017.
Capex & Financing PP2030
> Rs. 11,00,000 Crore
Investment > Rs. 11,00,000 Crore during 2013-2030

- Prior to IX Plan: 51,000
- IX Plan: 22,700
- X Plan: 74,000
- XI Plan: 170,000
- XII Plan: 2,65,000
- PP-2030: 11,00,000
Thank you