

**Perspective Plan
2030**



ngc

Seeking new horizons



Perspective Plan 2030

1

Preamble

2

Shaping Moves: achievements

3

Supporting Initiatives

Aspirations

2

Fold production growth in E&P

3

Fold growth in Revenue & EBITDA

4

Fold growth in Market cap

5

Verticals for no-E&P business

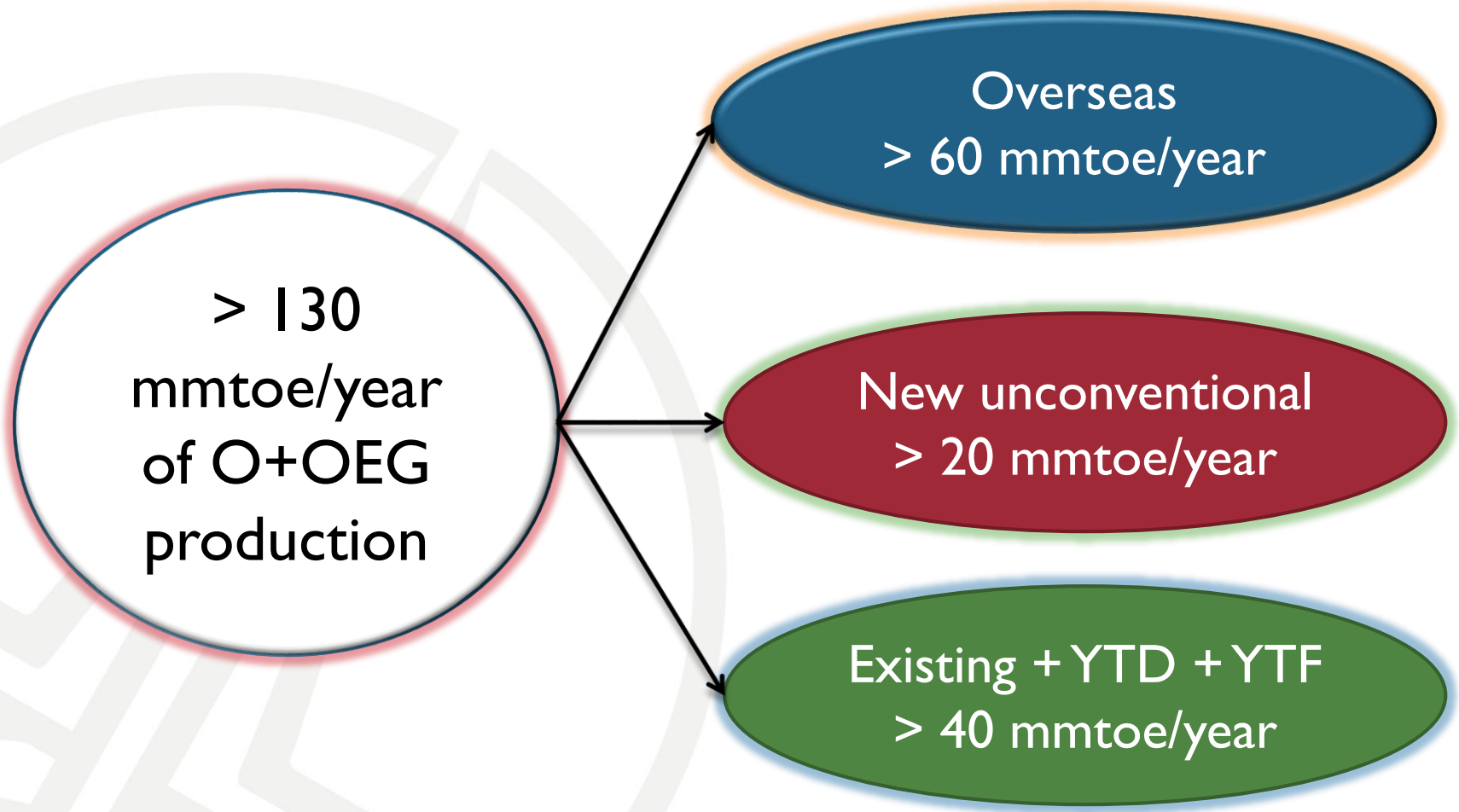
6

Fold growth in international E&P production



Shaping Moves

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

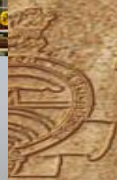




1. Strengthen OVL processes & technical systems
2. Continued regulatory engagement on prices & policy
3. Strengthen staffing & capabilities in focus areas
4. Improve services delivery under new operating model
5. Align R&D with 2030 technology priorities



शुद्धता
of a sustainable journey



Shaping Moves



Shaping move- I

Grow overseas E&P to source 60 mmtoc/year of O+OEG by 2030



Shaping move-2

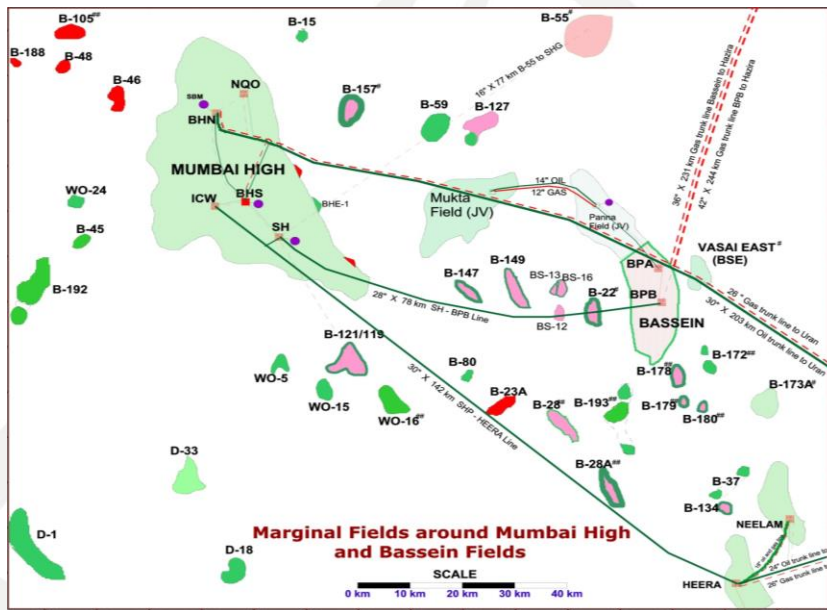
Unlock 400+ mmtoe of cumulative production from domestic exploration (YTF)



Shaping move-3

Accelerate 300-400 mmtoe of (re)-
developments

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.

Accelerate 300-400 mmtoe of (re)-developments

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



MOU with CNPC on 18th June'12

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



Shaping move-5

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

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

MRPL Refinery Expansion to 15 MMTPA

Capex:
₹ 12,000 Crore

Scheduled completion
2013

OPaL – Olefinic Petchem at Dahej

Capex:
₹ 21,396 Crore

Scheduled completion
2015

OMPL – Aromatic Petchem at Mangalore

Capex:
₹ 5,750 Crore

Operational

Planned Refinery Projects

1

- MRPL Refinery Expansion to 18 & 21 MMTPA

2

- Green Field Refinery and M&A for brownfield expansion

Planned Petrochemical Projects

- ▶ 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

LNG

- ▶ 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

Gas/ LNG Planned

- ▶ 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.

Power

- ▶ 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.

Power - Renewable

▶ **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

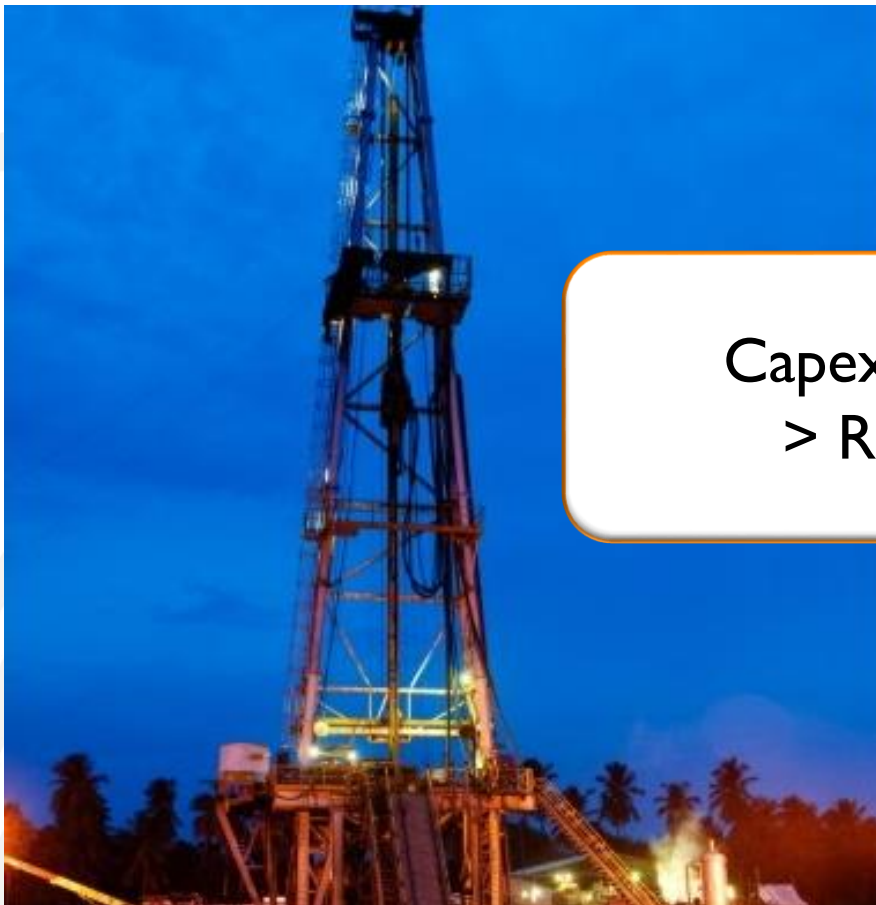
▶ **Energy Efficient Lighting**

- Opportunity for setting up LED chip manufacturing facility being pursued (49%). Due diligence , valuation completed & investment terms finalized

Fertilizer

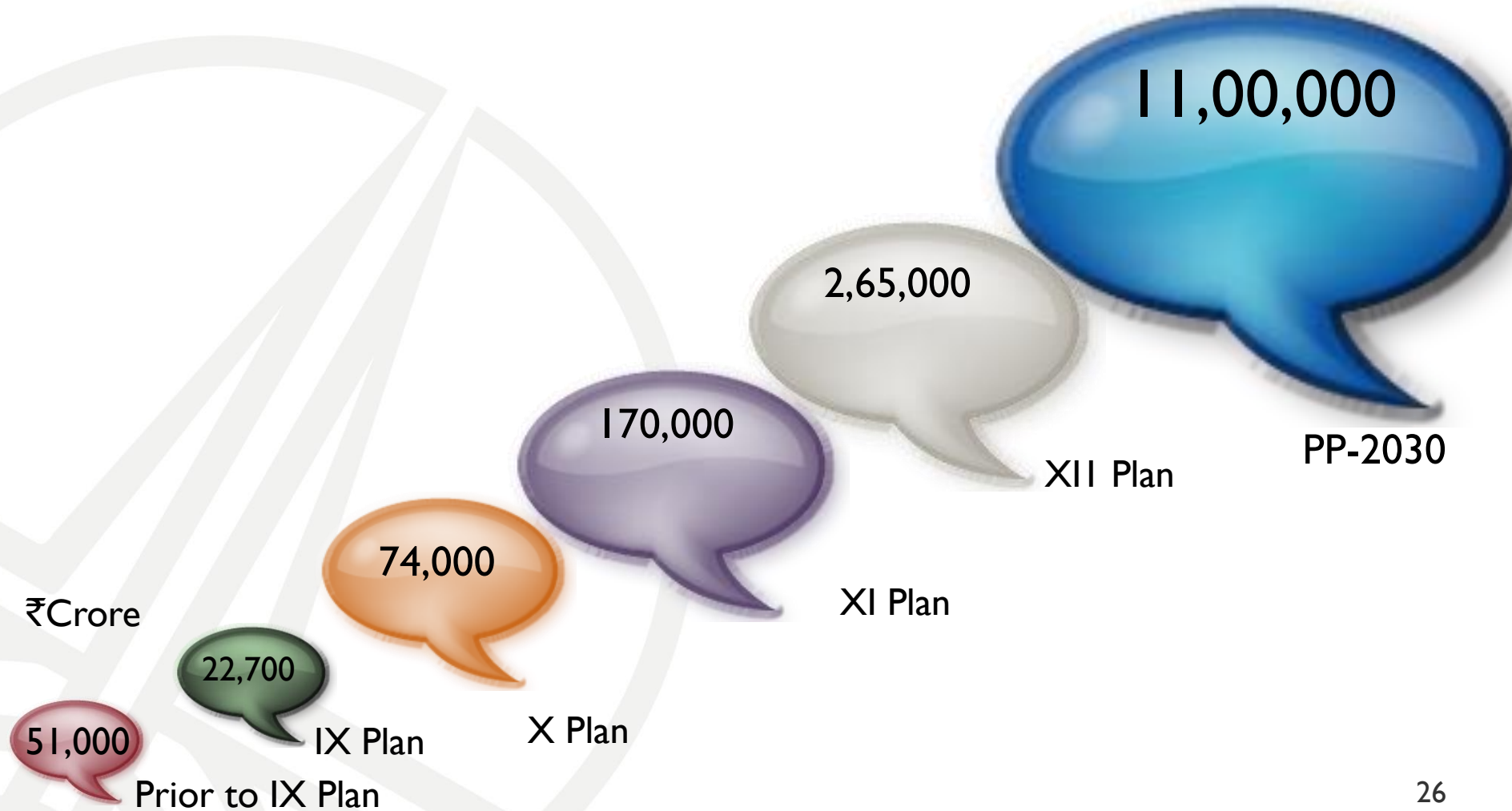
1.3 mmtpa Fertilizer plant at Tripura

- 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





Thank you