



Investor Presentation

November 2013

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Indian Oil Corporation: The Future of India Energy



Strong Support from the Government of India



- Government nominated Directors on IOC Board
- Contribution to exchequer of US\$14.7 bn in FY13



Largest Refiner in the Country

- 10 refineries with 65.7 MMTPA Capacity
- 31% of Domestic Refining Capacity



Pan-India Pipeline Infrastructure

 11,000+ km crude oil, products and natural gas pipelines with a total capacity of 77.3 MMTPA



Leading Market Share Across Portfolio

इं**डियन**ऑयल

44%⁽¹⁾ petroleum market share with over 39,400 touch points



Integrated Operations Across the entire Energy Value Chain

- 2nd largest domestic player in Petrochemicals
- E&P: 13 domestic and 10 overseas blocks



Strong Focus on Innovation Through R&D and Alternate Energy Sources

- Overall market leader in domestic lubes
- New focus on Alternate and Renewable Energy (Wind, Solar, Biofuels, Nuclear)



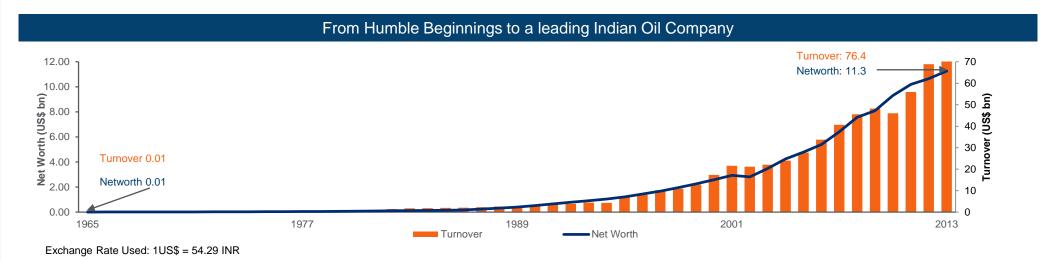
Driven by a Management Team That has Delivered Results

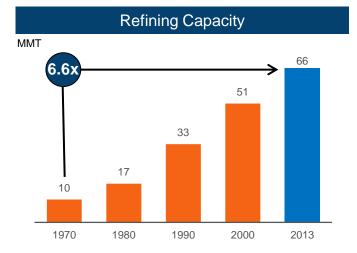
- Consistent growth and profitability
 - FY11-FY13 Revenue CAGR: 17%
 - Debt / Equity of 1.3x

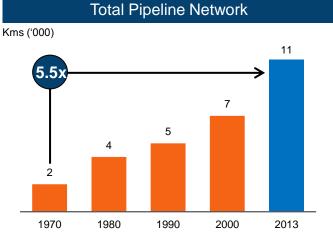


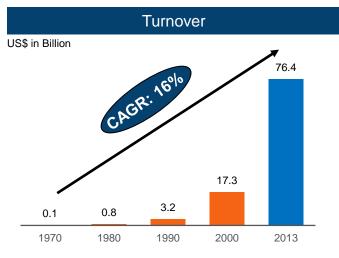
Our Journey at a Glance











Exchange Rate Used: 1US\$ = 54.29 INR











Well Poised to Leverage Strong Industry Dynamics



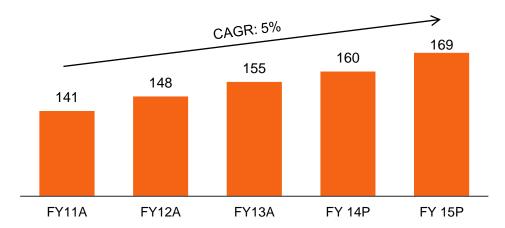
India is Among the World's Fastest Growing Economies

GDP Growth	2001-11 Average	2012A	2013P	2014P
India	7.5%	5.0%	4.8%	5.6%
China	10.4%	7.7%	7.7%	7.3%
Brazil	3.6%	0.9%	2.5%	2.6%
EU - 28	1.4%	(0.3%)	0.0%	1.1%
US	1.7%	2.8%	1.6%	2.6%

Source: Economist Intelligence Unit (EIU) data as of November 5, 2013. Citi, *Global Economic Outlook and Strategy*, October 23, 2013.

Oil Consumption Trends Have Been Rising Marginally...

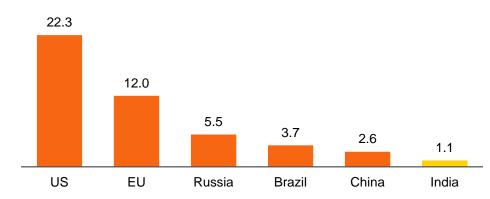
MMT



Source: Petroleum Planning and Analysis Cell, Ministry of Petroleum and Natural Gas, Govt. of India. Website viewed on November 5, 2013.

However, Low per Capita Oil Consumption Represents an Underpenetrated Opportunity...

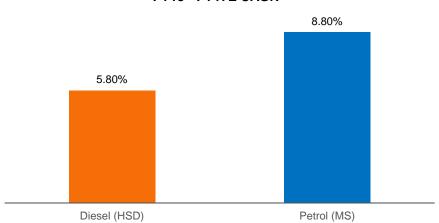
Annual Barrels Consumed per Person



Source: CIA World Fact book (as on January 2012).

...With Strong Growth in Consumption Across Key Products

FY13 - FY17E CAGR

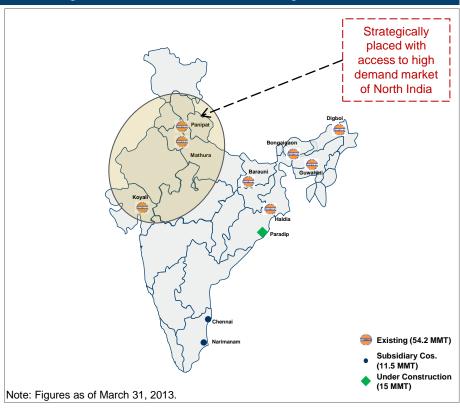


Note: HSD: High Speed Diesel and MS: Motor Spirit Source: Petroleum Planning and Analysis Cell (http://ppac.org.in/).Website viewed on November 5, 2013.

IOC - The Largest Refiner in India



Strategic Presence With Access to High Demand Markets



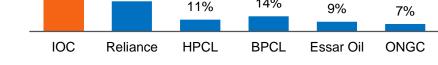
Importing Crude from Across the Globe



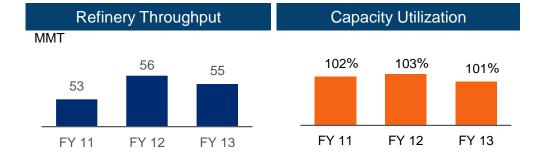
Total crude oil import: 50.77MMT (including 8.3MMT for CPCL)

Note: Figures as of March 31, 2013. (1) Source: www.petroleum.nic.in.

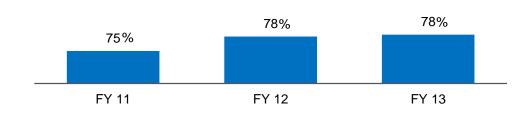




Note: Figures as of March 31, 2013.



Steady Distillate Yields



With Strong Focus on Quality

Type of Crude Oil Used



- ✓ All refineries Euro III / IV Compliant
- ✓ Crude basket consists of around 156 grades

Note: All figures for the year ended March 31 of the respective years.

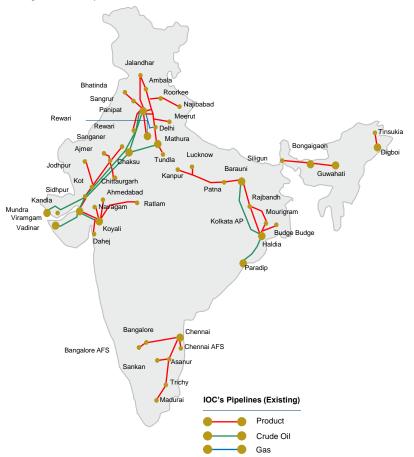
Unparalleled Network of Cross Country Pipelines



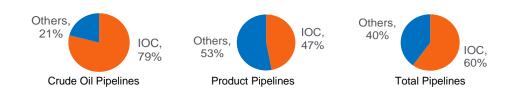
Leading Pipeline Network

	Length (KM)	Capacity
Crude Oil Pipelines	4,448	40.40 MMTPA
Product Pipelines	6,632	36.85 MMTPA
Gas Pipelines	134	9.5 MMSCMD ⁽¹⁾
Total	11,214	

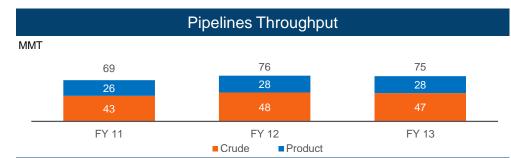
All figures for the year ended March 31, 2013.

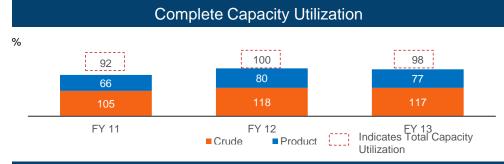


Largest Pipeline Market Share - Downstream



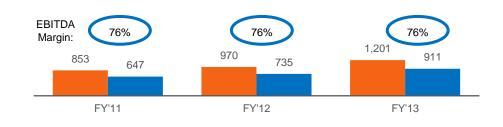
Note: Figures as of March 31, 2013.





Steady Revenue Stream and Healthy EBITDA Margins

In US\$ millions

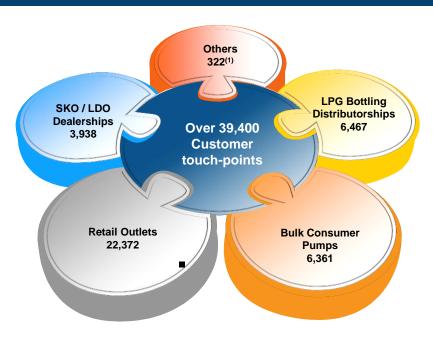


■ Pipelines Revenue ■ EBITDA irch 31 of the respective years.

Marketing: Reach in Every Part of the Country



Pan India Presence with Multiple Consumer Touch Points



All figures for the year ended March 31, 2013

Other Key Highlights

Rural Thrust and Penetration

- √ 5,256 Kisan Sevak Kendras (KSK)
- √ 9.7% sales of MS from Rural Areas
- √ 10.5% sales of HSD from Rural areas.

LPG

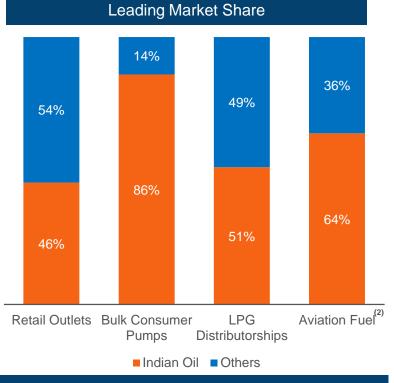
✓ Supply to over 73 million households

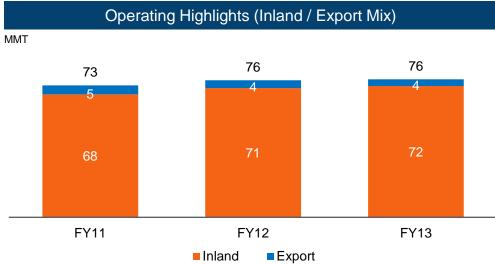
Petroleum Product Market Share

✓ 44%⁽³⁾ share in domestic petroleum products

(Note: (1) Others includes Aviation Fuel Stations, Terminal ,Depots and LPG Bottling Plants.

- (2) Aviation fuel market share is calculated as % of sales.
- (3) Source: Petroleum Planning and Analysis Cell (PPAC). (http://ppac.org.in/). Website viewed on November 5, 2013.





All figures for the year ended March 31 of the respective years.

HSD: High Speed Diesel and MS: Motor Spirit

Diversified Base of Customers & Renowned Product Slate



Diversified Products &

Brands

Branded Products













Branded Services













Kisan Seva Kendra outlets for extending rural reach

Diversified Customer Base





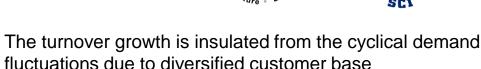














Retail Outlet at Boat house

Moving Beyond the Traditional Value Chain





Leading Producer of Petrochemical Products



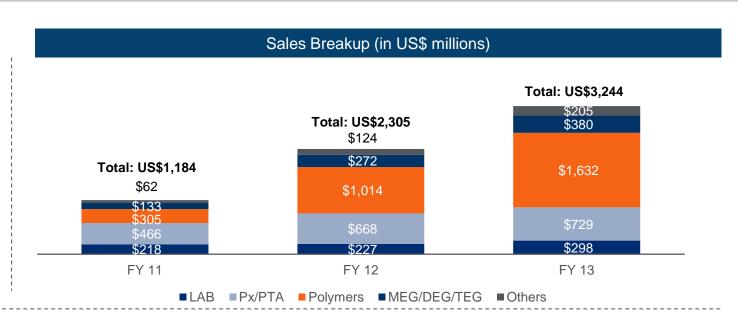
Capacity				
Project	Capacity (MT)	Capex (US\$mn)		
Guajarat LAB	120,000	286		
Panipat Px / PTA	553,000	1,144		
Panipat				

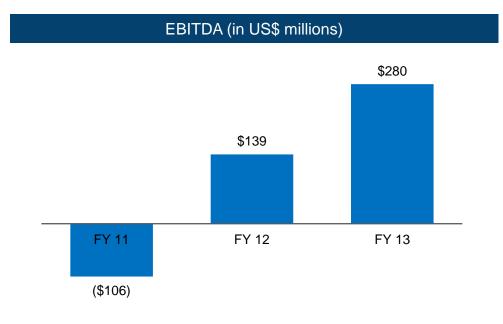
1,460,000

Exchange Rate for LAB: 1 US\$ = 43.7 INR. Exchange Rate for PX / PTA: 1 US\$ = 44.6 INR. Exchange Rate for PNCP: 1 US\$ = 44.9 INR.

Naphtha

Cracker





3,216



Exchange Rate used: 1 US\$ = 54.29 INR.

Backward Integration Through E&P

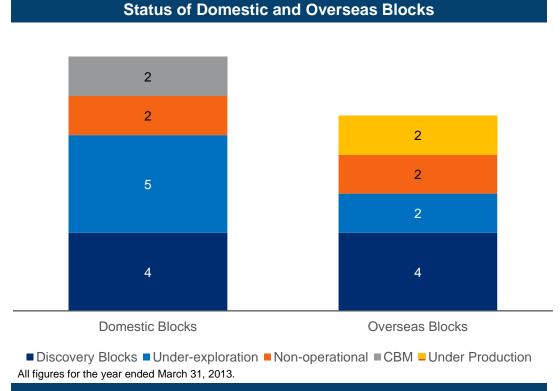


IOC: E&P Capabilities

- Stake in 23 exploration blocks
- 13 Domestic blocks
 - With ONGC / OIL / GAIL / GSPC / Petrogas / HPCL / HOEC / AWEL (20% -100% participating interest)
 - Including 2 Coal Bed Methane blocks with ONGC (20% participating interest)
- 10 International blocks
 - Libya (3), Iran (1), Yemen (2), Nigeria (1),
 Gabon (1), Venezuela (1) & USA (1)



A view of the drilling site at IOC Khambel 1



Recent Developments on E&P

- State of the art Data Interpretation Centre "Anweshan": For in-house seismic interpretation capabilities
- Acquired 10% stake in Project Carrizo, USA in October 2012 – Brought in IOC's 1st E&P earnings
- Production in Project Carabobo, Venezuela started in December 2012

Diversified Across Geographies and Energy Sources



Geographical Diversification

IndianOil Mauritius Ltd. (IOML) (100% Stake)

- Aviation, terminal & retail business
- 24,000 MT Storage **Terminal**
- Market Share: 23.4%



Lanka IOC PIc. (75.1%

Stake)

- Storage, terminal & retail business
- 157 retail outlets
- Market Share: 11.2%



IOC Middle East FZE (100% Stake)

Marketing of Lubes & **POL**



Diversification Across Sources

Gas



- 54.3% revenue growth, US\$ 1,154 m (FY13)
- JV with Green Gas for City Gas Distribution
- 5 MMTPA LNG import, storage and regassification terminal planned

Nuclear



• 26% JV with Nuclear Power Corporation of India to establish nuclear plant at Rawatbhatta: Investment of US\$177mn





 21MW plant at Kachchh; Second plant of 48.3MW capacity in AP, South India (partly commissioned)

Biofuels





- Partnership with Chhatisgarh Renewable Development in 30,000 hectare wasteland
- 2,000 hectare wasteland for Jatropha in MP
- Partnership with Ruchi Soya Industries
- 5MW solar plant in Rajasthan
 - Off-grid solar plants currently at 558 Retail Outlets

Strong Focus on Research and Development



Focus on Products & Technology

INDMAX

 Technology developed to maximize light distillates from refinery residue

Marine Oils

 One of 6 Globally to have developed OEM approved marine lubricant technology **CONREL**NATIONAL RENEWABLE ENERGY LABORATORY

Collaborations

 Development of ligno cellulosic ethanol and algal biofuels

Diesel Hydro treating

 Commercialized 1.2 MMTPA grass-root DHDT facility in Bongaigaon

Railroad Oils

 1st in India to introduce multi-grade railroad oil to Indian Railways - significant fuel and oil savings

Honeywell

 Range of biofuel technologies and projects in India

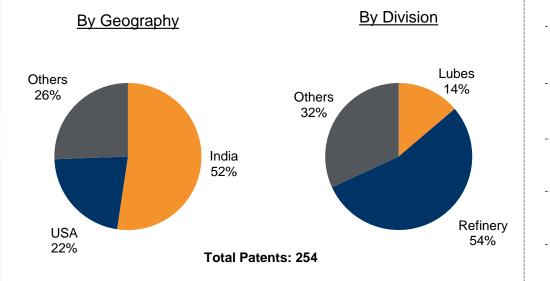
Naphtha Isomerization Retrofitting of Bongaigaon refinery for producing Euro-III/ IV motor spirit

Needle Coke

 One of 3 companies, globally, that possesses high value needle coke technology

Active Patents Portfolio

As on March 31, 2013



Investments in Research & Development

Indalin: Technology for conversion of naphtha to light olefins, LPG & aromatic rich gasoline; feasibility under study

Delayed Coking: Thermal cracking technology for conversion of long/short residue to distillates. Partnership with Engineers India Limited

Octamax: Technology for dimerization of cracked C4 to high octane (RON) component for Euro IV/V gasoline

FCC Catalyst Additives: CO - Combustion promoter, Coke Reduction Additive, Residue Upgradation Additive for bottom Upgradation

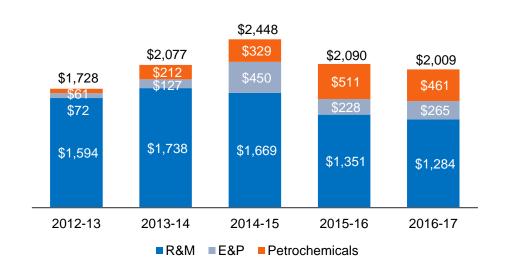
DHDS / DHDT Catalysts: Demonstrated at CPCL for ULSD in 2009. Partnership with Sud-Chemie India Limited (SCIL)

Vegetable Oil co-processing in DHDT: Successful technology demonstrated in 2013 including demetallation of vegetable oil

Investing In Future Growth



12th 5 year Plan Investment Targets (in US\$ mm)⁽¹⁾

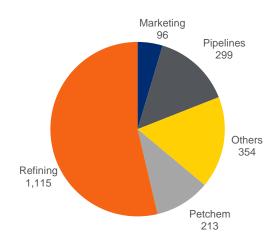


Capex Requirements of Key Projects(1)

Project	Estimated Cost (US\$ mn)	Anticipated Completion
15 MMTPA Paradip Refinery Project	5,485	Mar-14
Paradip–Raipur–Ranchi Pipeline Project	330	Dec-14
Debottlenecking of Salaya– Mathura Pipeline	292	Dec-14
Paradip–Haldia–Durgapur LPG Pipeline	168	Dec-14
Augmentation of Paradip–Haldia– Barauni Pipeline	108	Aug-15

Planned Capital Expenditure Outlay⁽¹⁾ (2013-14)

(US\$ millions)



Paradip Refinery: Augmenting IOC's Capacity

- 15 MMPTA Capacity: Increases IOC's total capacity by 23% over current capacity
- One of the most modern refineries:
 - Largest refinery on the eastern coast
 - 100% HS including 40% Heavy
 - Nelson Complexity Factor 12.2
 - Distillate Yield 81%
 - Energy Index 50 MBN
- Commissioning progressively from February 2014
- Orissa Government support No Sales Tax for 11 years





Exchange Rate used: 1 US\$ = 54.29 INR.

⁽¹⁾ Figures from 2014-15 to 2016-17 are provisional and subject to change.

Experienced Management Team & GOI Ownership and Support



FY 13

Management Team



RS Butola Chairman 30+ Year Experience

- Previously the Managing Director of OVL, responsible for building a formidable E&P portfolio in over 15 countries
- MBA from FMD, Delhi and a Certified Associate of the Indian Institute of Bankers (CAIIB)



Dr. RK Malhotra
Director (R & D)
30+ Year Experience

- Regarded as a national expert on in fuel quality and alternate sources
- Mechanical engineer from IIT BHU and a Ph.D. (Energy Studies) from IIT Delhi



Sudhir Bhalla

Director (HR)

30+ Year Experience

- Handled a gamut of activities in the HR function
- Honours graduate from Delhi University with LLB (Labour Laws) and Masters in Social Work



AMK Sinha
Director (Planning &
Business Development)
30+ Year Experience

- Drove the branding efforts of IOC and was at the forefront of the changing face of the petroleum retailing business
- Mechanical engineer from Bihar College of Engineering, and has attended the Advance Management Programme of MDI, Gurgaon



PK Goyal

Director (Finance)

30+ Year Experience

Director (Refineries)

30+ Year Experience

Was at the forefront of sophisticated treasury operations to raise funds for IOC



Chartered Accountant (CA) by profession



Distinction of being associated with IOC's first Naptha Cracker & Polymer Units at Panipat refinery, as its Executive Director





Makrand Nene
Director (HR)
33+ Year Experience

- Piloted the introduction of Euro-III and Euro-IV green fuels through IOC's countrywide marketing network, and executed ahead of schedule
- Mechanical engineer by qualification



VS Okhde

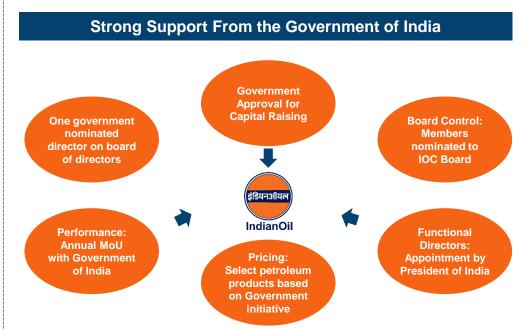
Director (Pipelines)

30+ Year Experience

- Has held various important portfolios like Pipelines, Corporate Planning, E&P division and has worked in various disciplines like operations, maintenance, engineering services, projects, etc.
- Mechanical engineer from REC, Bhopal and Executive MBA from MDI, Gurgaon

\$14.7 \$14.5 \$14.3

Contribution to Exchequer (in US\$ billions)

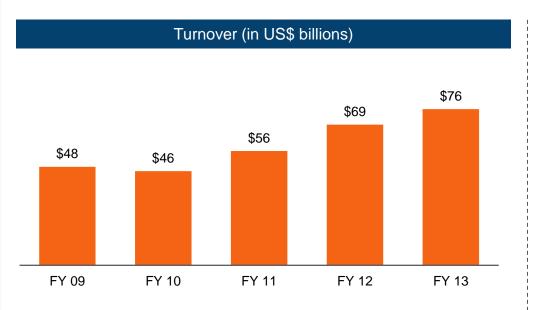


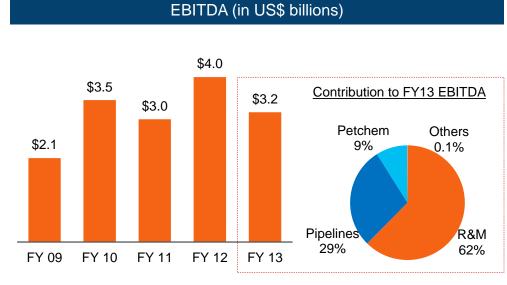
FY 12

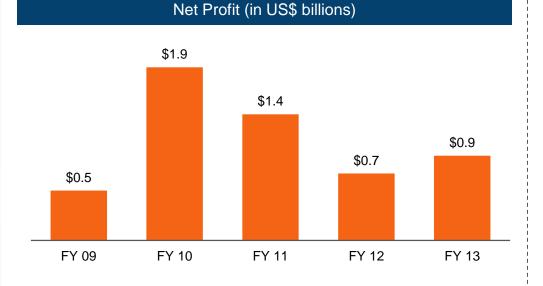
FY 11

Our Differentiators: Strong Financials









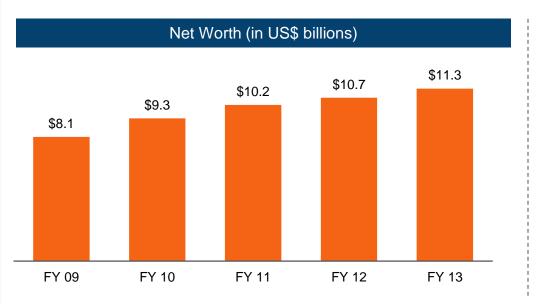


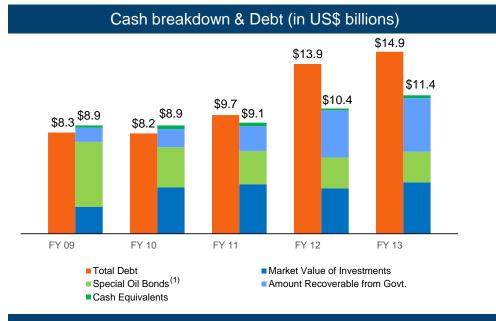
Asset Base⁽¹⁾ (in US\$ billions)

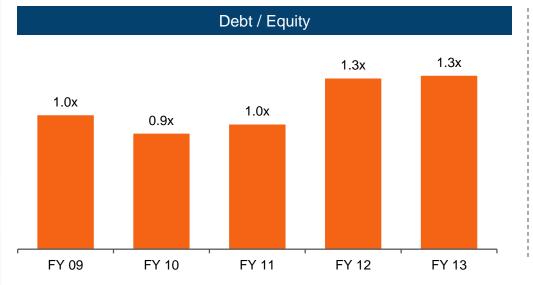
(1) Comprises of Gross Fixed Assets and Capital WIP. Note: Fx of 1 US\$=54.29 INR

Our Differentiators: Strong Financials











FX: 1 US\$=54.29 INR

⁽¹⁾ Received from Government of India in lieu of compensation till the year FY 2009.

⁽²⁾ Core Debt = Debt less cash receivable from Government

Under Realization & Compensation



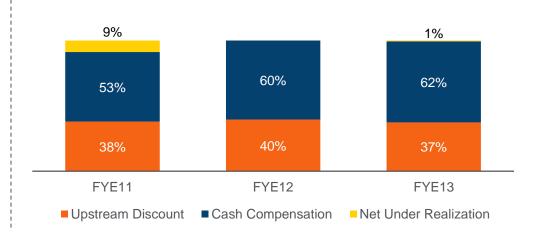
Finalization of Under Recovery Sharing on Annual Basis

- R&M Sector deregulated since 2002
- India is largely a dieselized economy
 - HSD to account for around 42.5%⁽¹⁾ of Petroleum products consumption
 - LPG (domestic) used for cooking
 - SKO (PDS) Used by poor population
- Under Realization: Difference between Desired Price (Cost + Margin) and Controlled Price.
 - Shared by Government, national Oil Producing Companies and R&M companies
- Share of R&M companies finalized by Government
 - Annual finalization of under recovery sharing leads to Quarterly Losses by R&M Companies

(in US\$ billions)				
	FY 11	FY 12	FY 13	
Gross Under – realization	7.9	13.9	15.8	
Upstream Discount	3.0	5.5	5.9	
Cash Compensation	4.2	8.4	9.8	
Net Under - realization	0.7	0.0	0.1	

Finalization of Under Recovery Sharing on Annual Basis

Burden of Under - Recovery Sharing



Rationalization of Under Realization – Recent Steps



Finalization of Under Recovery Sharing on Annual Basis (HSD)

HSD:

- Steps taken on 18th Jan 2013: Dual pricing introduced
 - Market Determined Prices for Bulk Customers (e.g. Railway, Defense, State Transport etc.)
 - Subsidized Prices for Retail Consumers (vehicle owners)
 - OMCs authorized to increase the retail price by about 40-50 paisa per liter per month

Outcomes:

- Retail prices increased by 5.25 per liter since 18th Jan 2013 to 1st Nov 2013
- Diversion of bulk customers to retail: share of bulk sales reduced from around 25% to 16% from Jan 2013 to Oct 2013

Finalization of Under Recovery Sharing on Annual Basis

LPG (Domestic)

- Step taken on 18th Jan 2013: Cap of 9 cylinders in a financial year on supply of subsidized LPG cylinders for domestic use to each house hold / consumer
- Step taken on 1st June 2013: Direct Benefit Transfer for LPG (DBTL) in 20 districts to curb illicit diversion, currently in 97 districts



Conclusion





India's Largest Oil Company

...Focused on Creating Shareholder Value

- Largest Refiner in the Country
- Pan-India Pipeline Infrastructure
- Leading Market Share Across the Portfolio
- Integrated Operations Across the entire Energy Value Chain
- Strong Focus on Innovation Through R&D and Alternate Energy Sources
- Driven by a Management Team That has Delivered Results
- With Strong Support from the Government of India

Key Risk Factors



• Fluctuations in commodity prices (eg. crude oil)

Fluctuation in exchange rates (INR – US\$)

Fluctuation in global petroleum product prices

Change in operating & distillate yields and impact on gross refining margins

Impact of Government subsidy and other policies

 Risk associated with expansion and diversification of business including joint ventures and new ventures e.g. Bio fuels / Nuclear / Solar

Compliance with the listing agreement in respect of requisite number of Independent Directors