

## Forward Looking Statements



This presentation contains forward-looking statements which may be identified by their use of words like "plans," "expects," "will," "anticipates," "believes," "intends," "projects," "estimates" or other words of similar meaning. All statements that address expectations or projections about the future, including, but not limited to, statements about the strategy for growth, product development, market position, expenditures, and financial results, are forward-looking statements.

Forward-looking statements are based on certain assumptions and expectations of future events. The companies referred to in this presentation cannot guarantee that these assumptions and expectations are accurate or will be realized. The actual results, performance or achievements, could thus differ materially from those projected in any such forward-looking statements. These companies assume no responsibility to publicly amend, modify or revise any forward looking statements, on the basis of any subsequent developments, information or events, or otherwise.

### 1H FY13 Performance Highlights



- Strength in global refining continues with 2Q FY13 GRM of \$ 9.1/bbl, Singapore complex margins at their 5-year high
  - RIL delivers strong refining performance; crude-throughput of 34.8 MMT (operating rate 112%)
  - GRM of \$ 8.5/bbl for 1H FY13 and \$ 9.5/bbl for 2Q FY13
- Robust demand for petrochemicals in 1H FY13 polymers demand up 17% and polyester demand up 9%
- On a Q-o-Q basis, net profits are up 20.2% at ₹ 5,376 crore (\$ 1.0 billion)
- Near 3 fold growth in US shale production during 1H FY13 vs 1H FY12 production volume at 50.1 BCFe for the first half
- Meaningful progress in new projects technology tie-ups signed for off-gas cracker and coke gasification with Technip and Phillips 66 respectively
- RIL and PDVSA signed a 15 year heavy crude oil supply contract and a MOU to further development of Venezuelan heavy oil fields
- RIL completed share buy-back of over 39 million shares with an aggregate amount of ₹ 2,796 crore



# Financial Results

### Financial Results – 2Q FY13



(in ₹ Crore)	2Q FY13	1Q FY13	2Q FY12	% Change 2Q vs 1Q	% Change 2Q vs 2Q
Turnover	93,265	94,926	80,790	-2%	15%
PBDIT	9,817	8,651	10,946	13%	-10%
PBDIT Margin	10.5%	9.1%	13.5%		
Net Profit	5,376	4,473	5,703	20%	-6%
EPS (₹)	16.6	13.7	17.4		

- Significant improvement in GRM on a trailing quarter basis providing the positive impact on PBDIT (GRM of \$ 9.5/bbl vs \$ 7.6/bbl)
- Weaker margins in petrochemicals and refining and lower oil & gas production resulting in decline in profits on Y-o-Y basis

## Segment Results – 2Q FY13 vs 1Q FY13

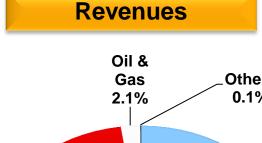


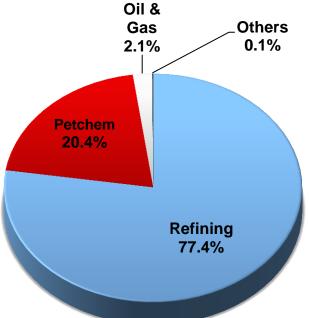
(in ₹ Crore)	2Q FY13	1Q FY13	% change	Sales V	ariance
Refining				Volume	Price
Revenues	83,878	85,383	-1.8%	-2.5%	0.7%
EBIT	3,544	2,151	64.8%		
EBIT (%)	4.2%	2.5%			
Petrochemicals					
Rev enues	22,058	21,839	1.0%	6.3%	-5.3%
EBIT	1,740	1,756	-0.9%		
EBIT (%)	7.9%	8.0%			
Oil and Gas					
Revenues	2,254	2,508	-10.1%	-8.9%	-1.2%
EBIT	866	972	-10.9%		
EBIT (%)	38.4%	38.8%			

- Widening product cracks and tight supplies boosting GRM on Q-o-Q basis (\$ 9.5/bbl vs \$ 7.6/bbl) positively impacting refining EBIT
- Petrochemicals EBIT remained stable as increase in volumes offset decline in prices
- Lower production in oil & gas resulted in decline in EBIT

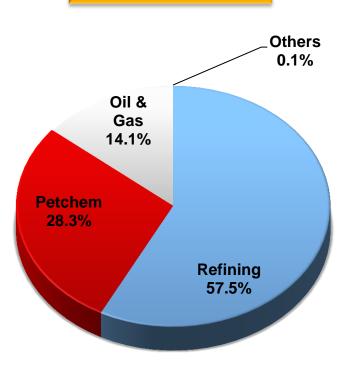
## Business Mix – 2Q FY13







#### **EBIT**



Earnings significantly leveraged to improvement in refining margins

#### Financial Results – 1H FY13



(in ₹ Crore)	1H FY13	1H FY12	% Change
Turnover	188,191	164,479	14%
PBDIT	18,468	21,950	-16%
PBDIT Margin	9.8%	13%	
Net Profit	9,849	11,364	-13%
EPS (₹)	30.3	34.7	

Net profit for 1H FY13 declined due to lower GRM of \$ 8.5/bbl (vs \$ 10.2/bbl), lower oil & gas production and margin pressure in petrochemicals

### Segment Results – 1H FY13 vs 1H FY12

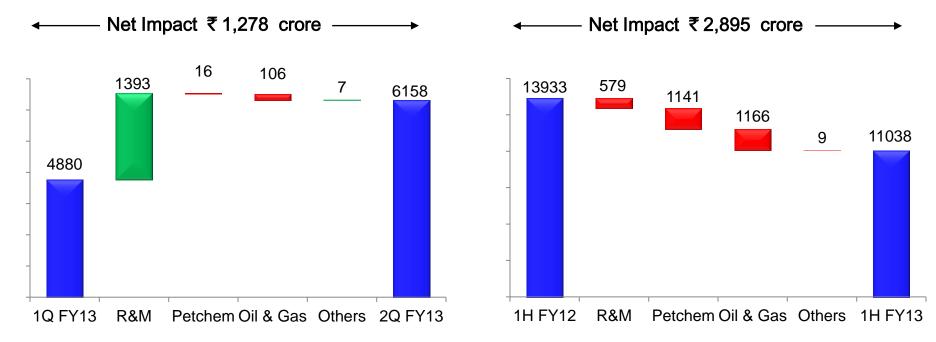


(in ₹ Crore)	1H FY13	1H FY12	% change	Sales \	/ariance
Refining				Volume	Price
Revenues	169,261	141,785	19.4%	1.4%	18.0%
EBIT	5,695	6,274	-9.2%		
EBIT (%)	3.4%	4.4%			
Petrochemicals					
Revenues	43,897	39,432	11.3%	0.8%	10.5%
EBIT	3,496	4,637	-24.6%		
EBIT (%)	8.0%	11.8%			
Oil and Gas					
Revenues	4,762	7,457	-36.1%	-49.2%	13.1%
EBIT	1,838	3,004	-38.8%		
EBIT (%)	38.6%	40.3%			

- Lower GRM (\$ 8.5/bbl vs \$ 10.2/bbl) partly offset by higher volumes impacting
   refining EBIT EBIT margin further impacted due to base effect
- Petrochemicals EBIT margin impacted by sharp decline in polyester chain deltas and weaker PP delta
- Production decline resulting in lower EBIT for the upstream business

#### Segment EBIT Bridge

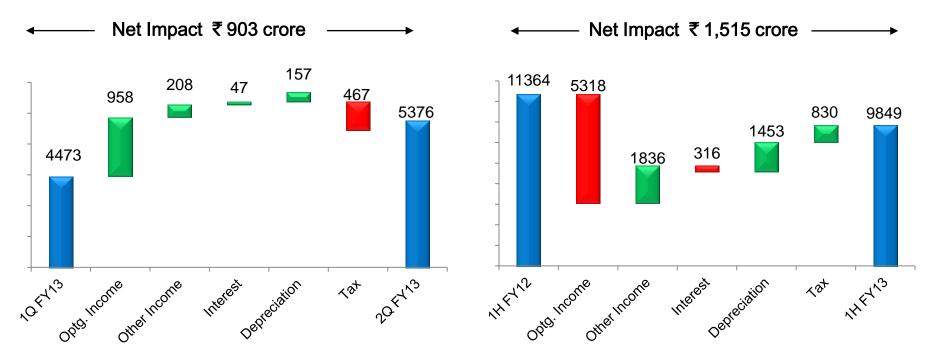




- Strong recovery in refining margins leading higher EBIT on a sequential quarter basis
- 1H FY13 EBIT declined on account of lower contribution from all businesses

## Net Profit Bridge





- Significant improvement in operating performance led by refining business resulting in higher net profit on Q-o-Q basis
- 1H FY13 decline in net profit was due to lower operating income. This was partly offset by higher other income and lower depreciation and tax charges

#### **Financial Ratios**



	Sep-12	FY 11-12
Cash Balance (₹ Crore)	79,159	70,252
Net Debt : Equity	Debt Free	Debt Free
Net Gearing	Debt Free	Debt Free
Gross Interest Cover	11.4	12.9
ROCE (%)	11.9%	11.4%
ROE (%) (Adjusted)	11.4%	13.3%

- Cash balance increased despite dividend payout, share buy-back and capital expenditure
- Investment grade rating retained: BBB positive outlook by S&P; Baa2 positive outlook by Moody's (both ratings are 1 notch above India's sovereign rating) domestic debt rated AAA by CRISIL and FITCH
- Weaker margin environment and higher other income impact ROE
- Lower cash profit impacting gross interest cover



# Oil and Gas – Exploration and Production

#### **Business Environment**



- Improving visibility for E&P business in India but implementation remains a concern
- Rangarajan Committee appointed by the Government of India to:
  - Study and recommend on key PSC-related issues
  - Streamlining the administration of PSC
  - Resolving long pending domestic gas pricing principles/issues
- Exploration in mining lease area also being considered
- However, no significant improvement in ground-level decision making
- LNG prices remain at \$10-11/MMBTU with market expected to remain tight
- Higher resource price environment resulting in shortage in the rig and services market

www.ril.com

#### Domestic E&P Production Update



2Q FY 13		1H FY 13	1H FY 12	% Chg.
	Panna-Mukta			
2.2	Oil (MMBBL)	4.3	5.2	-17.3%
18.1	Gas (BCF)	36.0	35.2	2.3%
	Tapti			
0.1	Oil (MMBBL)	0.3	0.5	-40.0%
12.2	Gas (BCF)	26.0	39.8	-34.7%
	KG-D6			
0.8	Oil (MMBBL)	1.7	2.7	-37.0%
92.6	Gas (BCF)	197.0	303.4	-35.1%
0.1	Condensate (MMBBL)	0.3	0.4	-25.0%

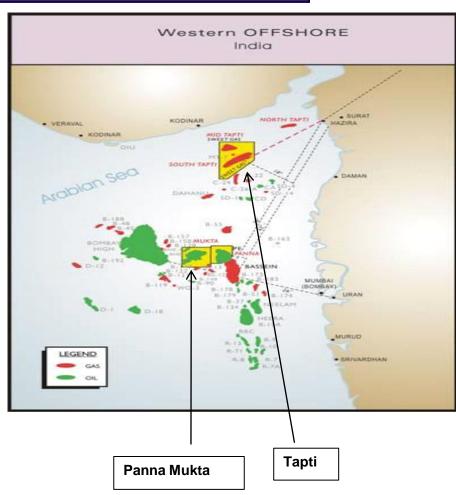
Note: Full Production volumes

- KG-D6 averaged at 30 MMSCMD of gas and 10,680 BOPD of oil/condensate
- Average crude oil price realization for the 1H FY13 was \$ 103/bbl for KG-D6 and
   \$ 111/ bbl for PMT
- Gas price realization remained at \$5.73/MMBTU from Panna-Mukta, \$5.57/MMBTU from Tapti and \$4.20/MMBTU from KG-D6

#### Panna-Mukta & Tapti Update



- Ongoing projects to augment production
  - Mid Tapti 3 additional ERD wells has commenced. Due to batch drilling, first gas expected in 3Q FY13
  - South Tapti 3 infill wells to be taken up subsequent to completion of Mid-Tapti ERD wells
  - Panna Mukta PL wells to be drilled next year. Drilling rig contracted
- Following projects under way
  - Concept studies underway for the water injection project
  - Mukta B development FEED in progress

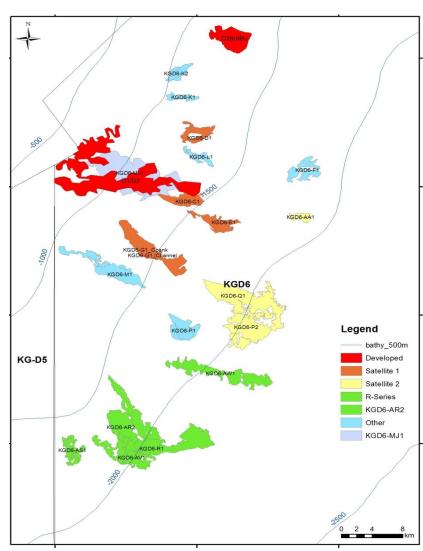


**16** 

### KG-D6 – Update



- D1-D3
  - Revised FDP submitted in Aug 2012
  - Approval of critical work program suggested in FDP and budget to address decline in reservoir pressure and enhance recovery
- D26 (MA)
  - Revised FDP agreed by MC in Aug 2012.
     Formal sign-off awaited
  - Additional gas well and conversion of oil wells in gas to accelerate production of reservoir gas cap
- R Series / Satellites
  - Geo-technical survey completed
  - Geophysical survey work awarded
  - FEED contract awarded
  - Development plan(s) submission based on integrated concept targeted for 2H FY13
- Drilling exploratory well (MJ1)
  - Proposal for drilling MJ1 submitted well will target deeper sediments in the existing D1-D3 ML area, similar to the MA oil and gas field



# **Projects Approval Status**



Projects	Plan/Activity	Status
KG-D6		
D1 D3 & MA	Revised FDP and WPB submitted (Part of integrated Strategy) to MC	Proposal agreed. Formal approval awaited
R-Series & Satellite 1	Development plan(s) to be submitted to MC	Engineering on track for Development Plan(s) to be submitted in 2HFY13
MJ1	Proposal submitted to GOI in Sept 2012	Response awaited
NEC-25 (D32 & D40)	Plan for Pre Development Activities submitted to MC Plan to commence conceptual engineering and submit development plan	Request for MC meeting – pending at DGH/MoPNG
СВМ	Pricing formula	Approval awaited from GOI
CY-D6	Appraisal Program for D53 discovery submitted to MC	Approval awaited from MC(DGH)

www.ril.com

#### International Portfolio - Conventional



- SPA for Yemen 9 divestment signed. Transaction effective date is 1st Jan
   2012. Partners' consent received and Government consent is awaited
- Divestment of Rovi and Sarta Blocks in the Kurdistan Region to subsidiaries of Chevron Corporation completed
- Reliance signed an memorandum of understanding with PDVSA for
  - exploring joint participation options in upstream heavy oil projects of the
     Orinoco oil belt
  - Cooperating with PDVSA by providing technical assistance and sharing its experience of executing large scale projects in areas of offshore upstream, refining and other downstream projects

www.ril.com

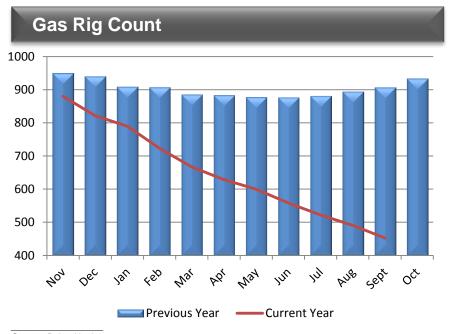


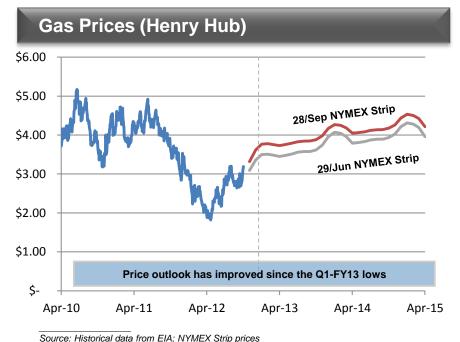
## **Shale Gas Business Overview**

#### **US Gas Price Environment**



- US gas prices recovered from multi-year lows outlook for rest of 2012 is improving. Near-term NYMEX strip is up ~25 cents/MMBTU since last quarter
- Price recovery supported by demand from coal/gas switching gas demand from power sector up by 6 BCF/day in 2012. Demand growth of 30% compared to last 5-year average
- US gas storage is nearing 5 year range, surplus expected to shrink with cooler winter
- Gas rig count down by ~53% since October 2011





Source: Baker Hughes

## 1H FY13 Performance Highlights

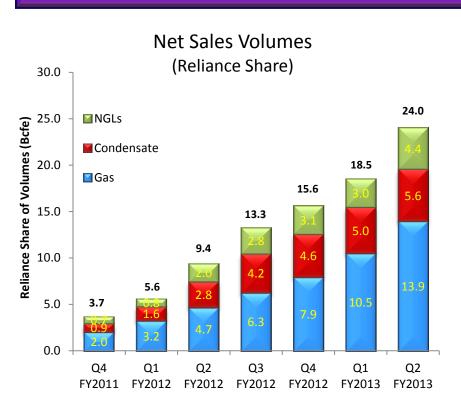


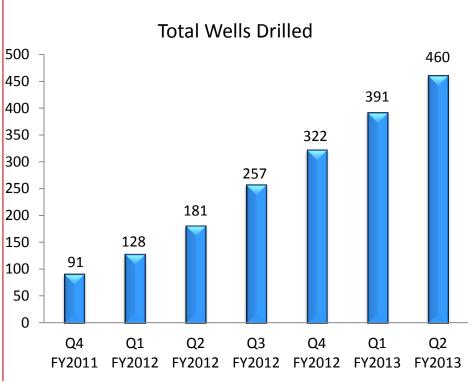
- Strong development performance across all ventures
  - New production records achieved in Pioneer JV
  - Production ramp-up in Carrizo JV, supported by better wells performance and lower downtime
  - Chevron JV progressed at measured pace; midstream situation improving
  - Total of 309 wells on line
- Reliance's share of gross production at 28 BCFe in 2Q FY13, a growth of 27% Q-o-Q;
   1H FY13 production volumes of 50.1 BCFe three fold growth compared to 1H FY12
- Cumulative investment of \$ 4.83 billion incurred across all JVs
- 1H FY13 revenues of \$ 253 Mn and EBITDA of \$ 198 Mn, a growth 118% and 112% on a Y-o-Y basis
- Strategic initiatives ongoing and focus areas:
  - Focus on liquid rich areas whilst ensuring prudent lease holding strategy
  - Emphasis on increasing operational and capital efficiency: drilling efficiency improved across JVs and trials ongoing to lower development costs
  - Slowdown the pace of gas focused development activities

www.ril.com

#### **Shale Business Growth Trends**







- Development activities continued to have significant momentum during 1H FY13
- Reliance share of net volumes up at 24 BCFe 6x growth in last 6 quarters
- 5x growth in wells drilled so far; over 309 wells producing as at end September 2012

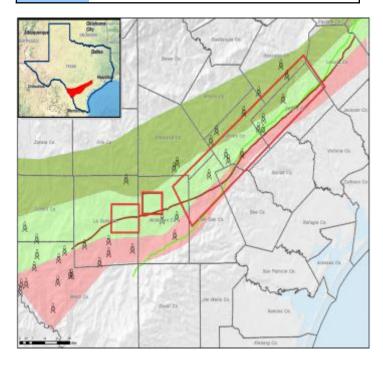
www.ril.com

## Pioneer JV Progress Overview



- 10 rigs operational
- Substantial progress during 1H FY13
  - 77 wells drilled and 72 wells put on production
- Significant ramp-up in production
  - JV production crossed the milestone of 500 MMSCFed
  - Average gross JV production rate of 453.3 MMSCFed in 2Q vs. 381 MMSCFed achieved in 1Q FY13
  - Reliance's share of gross production at 18.8 BCFe in 2Q FY13 - 20% growth over trailing quarter
  - Production up 147% Y-o-Y to 34.4 BCFe in 1H FY13
  - Condensate and NGLs accounted for 35% and 28% of net sales volumes during the quarter
- Midstream JV operations remained strong; "Upgrade" projects on-track to support production ramp-up
- Inception-to-date capex of \$2.75 Bn, including midstream JV investments

	Wells drilled	Wells completed	Wells on Line
1Q'13	204	187	174
2Q'13	245	219	209

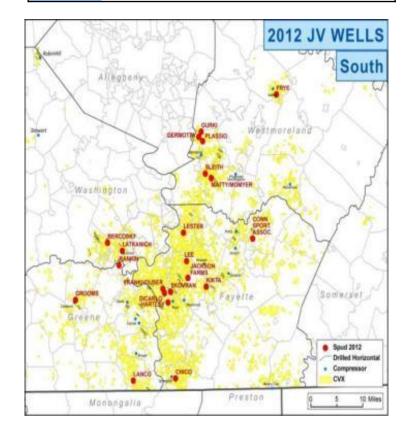


# Chevron JV Progress Overview



- 4 horizontal rigs and 2 frac crew operational
- Midstream constraints continued impacting production and well inventory, on track for resolution in 2H FY13
- Average gross JV production rate at 138.5 MMSCFed in 2Q, against 87 MMSCFed in 1Q FY13, supported by commissioning of major compression projects
- Reliance's share of gross production at 5.1 BCFe in 2Q FY13 and 8.3 BCFe in 1H FY13; growth of 62% over trailing quarter and 127% over 1H FY12
- Encouraging early well performance continues
- Improvement initiatives progressing well (pad drilling, cycle-time reduction, procurement efficiencies and storage tank technology) and should help reduce unit development costs
- Aggregate capex spend (including carry) of \$ 1.37 Bn since inception

	Wells drilled	Wells Completed	Wells on Line
1Q'13	136	82	59
2Q'13	157	104	79

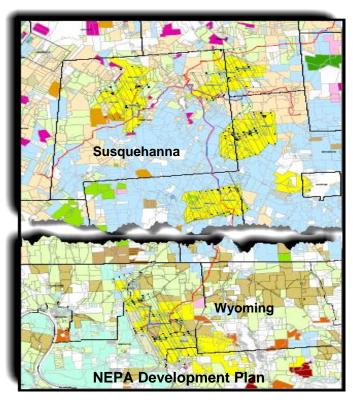


## Carrizo JV Progress Overview



- NEPA development highlights
  - Measured pace of development, 1 rig operational
  - Focused on 'completion flexibility' opted for 3 month completion holiday linked to take-away capacities, well inventory and gas price during 2H FY13
  - Average gross JV production rate of 75 MMSCFed in 2Q vs. 61 MMSCFed in 1Q FY13
  - Production growth supported by well performance & lesser downtimes; no new wells put to sales during the quarter
  - Reliance's share of gross production at 4.1 BCFe in 2Q
     and 7.5 BCFe in 1H FY13 growth of 23% over 1Q FY13
  - Wyoming production on track to commence in 2H FY13
- C-County "Appraisal" program progressing as planned
  - 2 additional test well completions in 2Q FY13
  - Results being evaluated to determine the pace of development and optimization of plan
- Capex of \$ 0.71 Bn including carry till date

	Wells drilled	Wells Completed	Wells on Line
1Q'13	51	31	21
2Q'13	58	39	21



#### Shale Gas Business Summary



- Encouraging development progress across the JVs
- Over 6 fold increase in sales volumes and 5 fold growth in wells drilled in last 6 quarters
- Impressive growth in business revenues and earnings during 1H FY13
- Strong pipeline of wells waiting for completion to boost production and sustain growth momentum during 2H FY13
- Overall volumes set to grow by ~50% CAGR over the next 3 years

.com



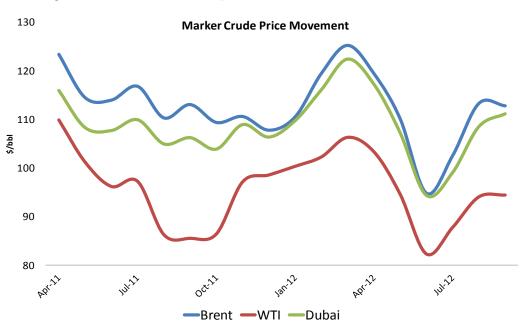
# Refining & Marketing

#### R & M Business Environment



29

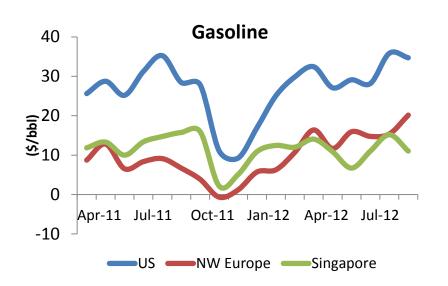
- Global economic situation remained weak, burdened by debt problems in developed economies & slowing growth in the emerging economies
  - Sustained weak economic data, rising unemployment & growing budget deficits ignites fresh rounds of economic stimulus
- Global oil demand growth remains lackluster with a growth of 700 KBD expected in 2012
- Oil prices continue to remain volatile with large swings witnessed during the year
  - Middle East continues to be politically unstable, raising supply concerns
  - Rising oil production from Saudi Arabia and Iraq offset decline in Iran keeping the market adequately supplied
- Global refining margins during the quarter strengthen to near three year highs on strengthening cracks across the barrel

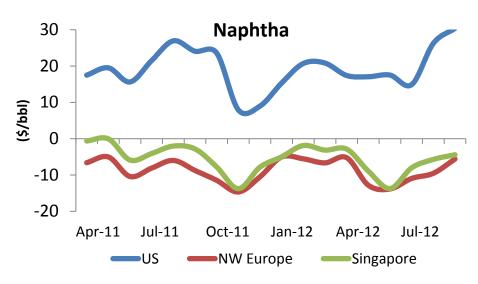


Crude supply uncertainties, global economic weakness and lackluster growth in demand continue to remain key areas of concern for the business globally

## Product Cracks - Light Distillates





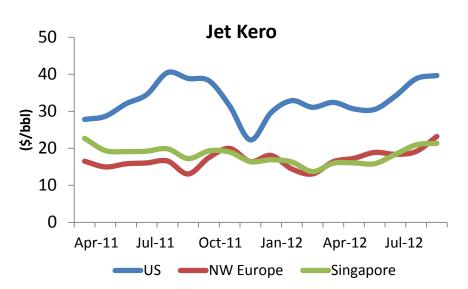


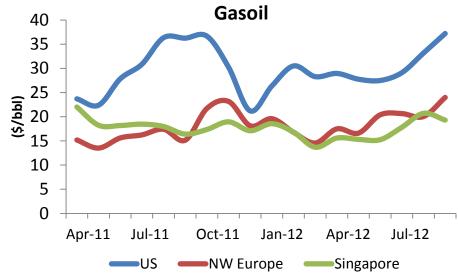
- Strong regional demand coupled with outages in Japan, Indonesia & Vietnam boost Asian gasoline cracks
- Outages in Americas & Issac caused shutdowns tightened supply during peak season
- Strength in gasoline widened reforming margins and increased naphtha demand for blending
- Strong propane prices favored naphtha for petchem providing a boost to naphtha cracks

Seasonal demand and a series of one-off factors strengthen light distillates

#### Product Cracks – Middle Distillates



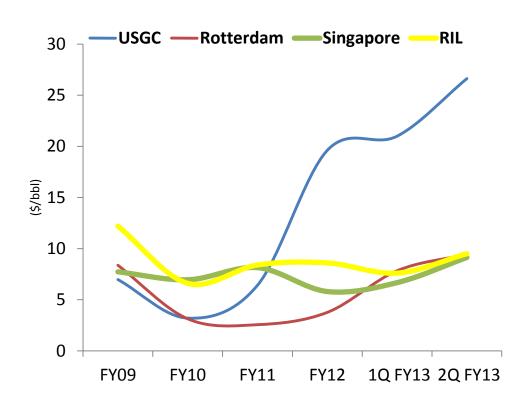




- Healthy demand growth in SE Asia amid tight supplies boosted Asian gasoil cracks
- Shutdown in Australia & outages in Japan, Indonesia and Vietnam tighten supplies thus supporting cracks
- Meaningful shutdowns in Europe resulted in gasoil deficit in the region
- US diesel demand remained tepid but strong pull from Latam and European deficit supported USGC gasoil crack

### Global Refining Margins





- Strong demand growth & series of accidents in Asia resulted in strength in refining Singapore complex margins at 5 years high
- Closures of refineries, primarily in Europe and US East Coast led to tightening of product balance & stock draws across regions
- European margins strengthen primarily as a reason of these closures
- Suppressed WTI price coupled with strong demand growth in Latin
   America push USGC margins to unprecedented levels

Seasonal demand strength, refinery closures and unplanned outages push margins to multi-years high

#### Business Performance – 1H FY13



33

- Margins in 1H FY12 supported primarily due to a series of unplanned refinery outages & the aftereffects of Japanese Tsunami
- Margins this year has narrowed as the effects of these "one-off" factors diminished
- Light distillates, especially naphtha witnessed a pronounced weakness
- Middle distillate cracks, in spite of being relatively robust, weakened on Y-o-Y basis
- Light heavy differentials which had widened last year on the back of Libyan crisis saw significant narrowing in FY13, pressurizing complex refining margins

Asian Product Cracks (\$/bbl)	1H FY13	1H FY12	Y-o-Y Change
Naphtha	-7.3	-2.6	-4.7
Gasoline	11.5	13.2	-1.7
Jet	18.1	19.6	-1.5
Gasoil	17.3	18.5	-1.2
HSFO	-1.8	-4.7	2.8
L-H Differential	2.88	4.44	-1.56
RIL GRM	8.5	10.2	- 1.7

Weakness across the product spectrum pressurizes RIL margins in 1H FY 13

### Performance Highlights



- Crude Supply Agreement for 15 years with PDVSA to source up to 400 KBD of heavy crude oil
- Record crude processing of **34.90 MMT** during 1H FY13 at a utilization rate 112%
- Highest ever utilization of down stream units during the quarter
  - Highest ever FCCU capacity utilization @ 5.53 MMT
  - Highest ever alkylation capacity utilization achieved @ 1.032 MMT
- Total number of crudes processed at Jamnagar supersite till date 111
- Feed stock cost controlled by further widening the process able crude window
- Maximized production of highest net-back grades at Jamnagar
- Continuing emphasis on energy conservation related opportunities to bring down the energy cost

The key to RIL R&M's performance has been dynamic refinery operations in response to a challenging business environment

#### **R&M Business Outlook**



- China and US expected to focus on economic growth post elections
- Political risks in Middle East and Africa expected to continue to hold the centre stage adding risk premium to oil prices
- Easing liquidity & increased spending expected to be supportive for oil demand growth
- Lower product inventories likely to support refinery utilization
- Net CDU capacity additions likely to exceed oil demand growth
  - simple refiners and the refiners in developed economies to face the burnt
- Light distillate cracks expected to see a decline in line with seasonal trends
- Middle distillate expected to remain supported by demand growth and widening deficits in major consumption regions
- Backed by strong domestic demand growth, outlook for Asian refiners continue to remain positive

With anticipated improvement in business environment and focused strategy, RIL set to retain it's position as the industry leader

www.ril.com



## Petrochemicals

Polymers

## **Business Environment 1H FY13**



#### Demand

- India healthy demand growth
- US- on modest growth track-improvement in housing indicators and consumer spending
- China sluggish demand
- Europe- end-user demand remains cautiously optimistic
- Globally "Wait & watch" approach

#### Supply

- Naphtha- refinery outages and inadequate arbitrage volumes from the West
- NG- limited ME volume, accelerated production in US and slow well drilling
- New PVC from China and EDC from US
- High Iranian HD/LDPE volume in China
- India— higher imports volume

#### Cost

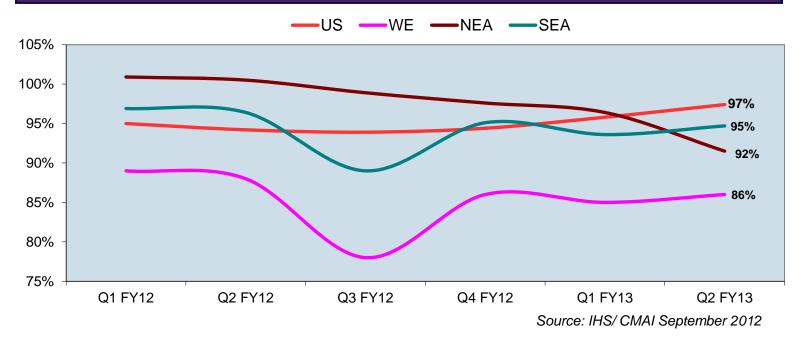
- High oil prices ME unrest, monetary stimulus, economic optimism, removal of ~ 1 MBD of Iranian crude
- NG→ Oil to natural gas price at historic high, large coal displacement in US
- Naphtha –stable to firm cracking moderately supported by downstream
- Huge swings in MoM propane- Jul \$575 to Sep \$970 Saudi CP

#### Margins

- Cost push with demand slowdown
- PVC-EDC touched at historical high
- Mid cycle operating rates but low cycle margins for naphtha based producers
- Rupee weakened during most of quarter and strengthened in end of the quarter

# Global Ethylene Operating Rates – 2Q FY13





- SE Asia operating rates remained high at 95% due to stable domestic demand
- NE Asia rates dipped to 92% on the back of turnaround season in the region
- Western European operating rates remained low with ongoing Eurozone concerns
- Gas cracking economics continue to support U.S. operating rates which remained high at 97%

Advent of cheap feedstock in the US and resilient demand in SEA supported operating rates

### SE Asia Price Movement



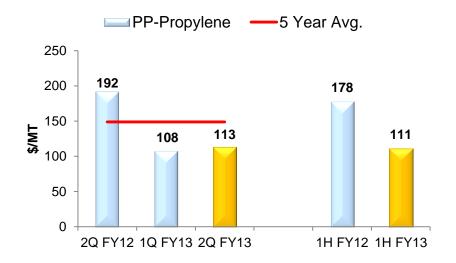
Source: Platts

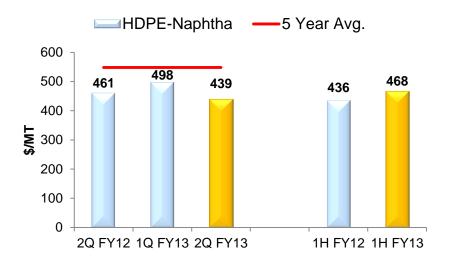
\$/MT	1Q FY13	2Q FY13	% Change	1H FY12	1H FY13	% Change
Oil - Dubai (\$/bbl)	107	106	-1%	109	106	-3%
Naphtha	858	877	2%	939	868	-8%
Ethylene	1164	1190	2%	1213	1177	-3%
Propylene	1292	1280	-1%	1407	1286	-9%
EDC	267	236	-12%	500	251	-50%
PE	1356	1316	-3%	1375	1336	-3%
PP	1400	1393	-1%	1584	1397	-12%
PVC	991	971	-2%	1145	985	-14%

On a Y-o-Y basis, fall in product prices trailed drop in feedstock prices PVC deltas remained strong even on a sequential quarter basis

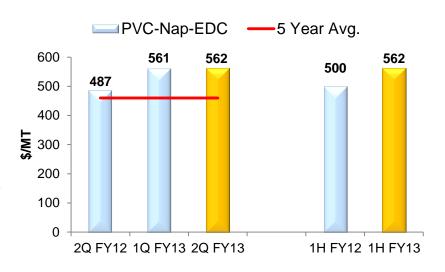
# Polymer Deltas







- Fall in ethylene prices were lower than fall in naphtha prices thus benefiting PE deltas on a Y-o-Y basis
- PVC delta remained high due to strong
   Asian demand and cheap US-centric EDC feedstock supply



Source: Platts

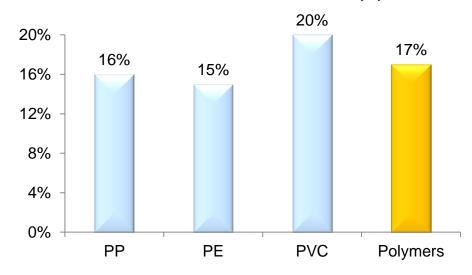
# India: Improved End-use Demand Growth



41

- Robust polymer demand growth of 17% (2.5xGDP) against low base in the previous year
- PP Y-o-Y growth at 16% coming from monofilaments & woven bags, house-ware, flexible packaging and lamination films
- PE Y-o-Y growth at 15% coming from containers, rigid packaging, lamination and shrink films, carrier bags and pipes
- PVC Y-o-Y growth of 20% came mainly from pipe & fittings, wire & cables, PVC sheet, film & profiles & footwear
- RIL's polymer production remained high at 2.2MMT

#### 1H FY13 vs. 1H FY12 Demand Growth (%)



RIL Polymer Production (in KT)					
	1H FY13	1H FY12	% change		
PP	1,399	1,375	2%		
PE	519	535	-3%		
PVC	313	315	-1%		
TOTAL	2,231	2,225	0%		

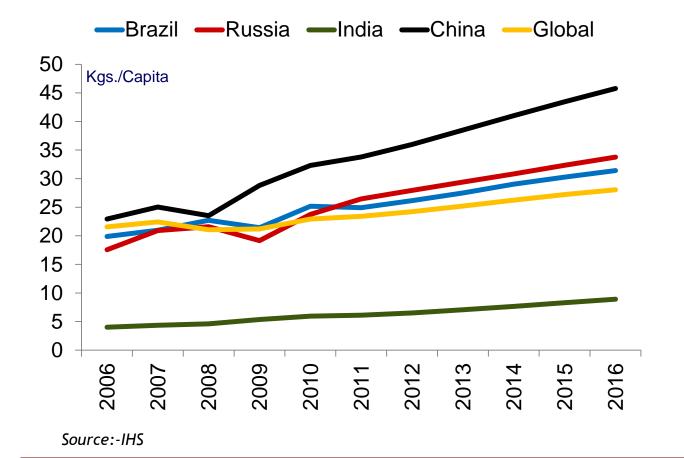


## Petrochemicals

Polymers – Strategic Priorities

# Polymer Per Capita Consumption





Country	2012-16 Y-o-Y Avg. Growth
Brazil	5%
Russia	5%
India	8%
China	6%
Global	4%

Even as India grows at 2x the global average, its per capita consumption would still be significantly lower than global and BRIC averages

# Petrochemicals Value Add at Jamnagar Complex



#### **Increase in Petrochemicals (KTA)**

			,
Product	Current	Addition	Total
Paraxylene	1830	1890	3720
Orthoxylene	450	0	450
Benzene	419	453	872
Polypropylene	2100	135	2235
MEG	0	730	730
LDPE	0	400	400
LLDPE	0	550	550
Other cracker co-products	0	100	100
HPIB	0	105	105
Total (KTA)	4800	4350	9150
Petchem yield as % of Crude	7.2%		13.7%

- Gasification will replace RLNG with additional petcoke / coal being sourced externally
- Cracker expansion to substantially increase petrochemicals production
- Doubling of petrochemicals yield as a percentage of crude processed will result in significant value addition

Sharp increase in production of value added petrochemicals



# Petrochemicals

Polyester and Fibre Intermediates

#### Business Environment: 1H FY13



- Demand: Overall cautious; Chinese demand marginally up in 2Q after a dismal 1Q
- Prices & delta: Lower prices across the chain impacted by weak demand & higher inventory
- Domestic demand: Significant improvement over a relatively weaker first half last year – demand up 9% on Y-o-Y basis
- Cotton: Prices impacted by erratic weather & weak demand; late weather improvement revives crop prospects
  - Rising trend in Chinese cotton yarn imports mainly benefits Indian subcontinent mills

### **Global Price Movement**

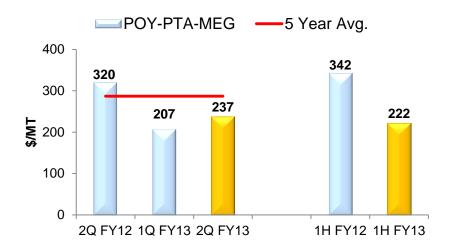


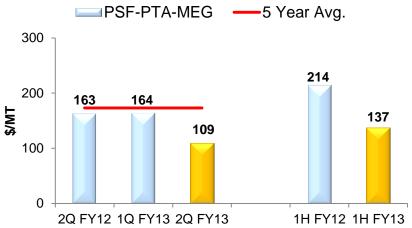
\$/MT	1Q FY13	2Q FY13	% Change	1H FY12	1H FY13	% Change
Oil - Dubai (\$/bbl)	107	106	-1%	109	106	-3%
Naphtha	858	877	2%	939	868	-8%
POY	1493	1515	1%	1875	1504	-20%
PSF	1451	1387	-4%	1748	1419	-19%
PET	1425	1360	-5%	1682	1393	-17%
PX	1497	1344	-10%	1565	1420	-9%
PTA	1079	1043	-3%	1258	1061	-16%
MEG	944	1012	7%	1198	978	-18%

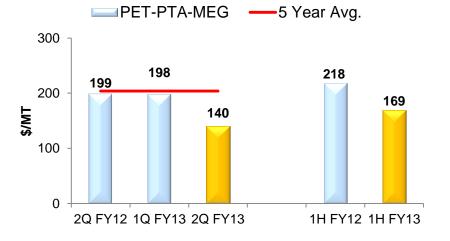
Weakening chain deltas impact standalone and integrated producers alike Weakness in demand supplemented by supply pressure exasperated the margin environment

# Polyester Margin Environment









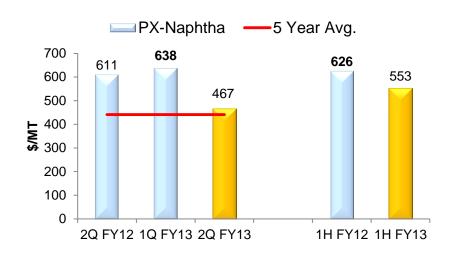
 Cautious buying & volatile feedstock markets impacted polyester deltas

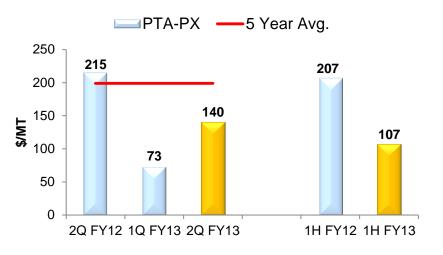
Source: ICIS, PCI

www.ril.com

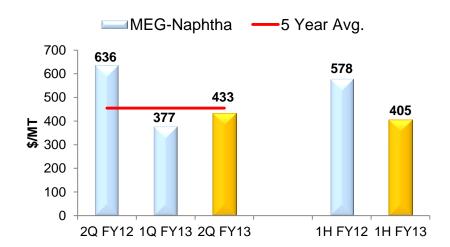
# FID Margin Environment: 1H FY 12-13







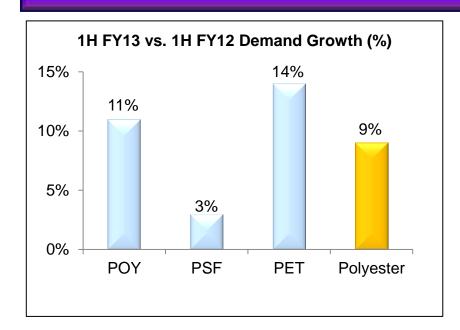
Source: ICIS, Platts



- Erosion of PTA delta amidst high feedstock cost & new capacity influx
- High naphtha prices impacted MEG delta
- Supply disruption & demand prospects helped PX delta to remain marginally above 5-yr average

# **Operating Highlights**





<b>RIL Production</b>			
(KT)	1H FY13	1H FY12	% change
POY	352	345	2%
PSF	308	306	0%
PET	176	173	2%
PX	1,013	1028	-1%
PTA	1,060	1031	3%
MEG	340	349	-3%

#### **Domestic demand**

- PSF growth continues to be impacted by power shortage faced by spinners in Southern India
- PET demand driven by delayed monsoon

- Overall Polyester plants operated at full utilisation rate Marginally lower polyester production amidst product-mix change
- Continued focus on specialty & valueadded products

### Outlook



- Further measures expected across economies to boost consumption
- Polyester demand to get support from winter seasonal merchandise demand
- Indian textile demand to improve amidst impending festive season buying
  - Maharashtra & Gujarat Textile Policies to boost investments; other states may follow
- Lower cotton production & moderate revival in demand expected in 2012-13
  - Chinese Govt. measures & imports to support cotton prices

# Strategic Priorities



**52** 

	Installed Capacity (KTA)	Proposed Expansion (KTA)	Total Capacity (KTA)	Expected Indian demand in FY16 (KTA)
PX	1,830	1,890	3,720	3,000
PTA	2,050	2,296	4,346	6,000
MEG	733	730	1,463	2,400
PFY	670	395	1,065	2 000
PTY	153	140	293	3,000
PSF	692	346	1038	1300
PET	290	648	938	1,200

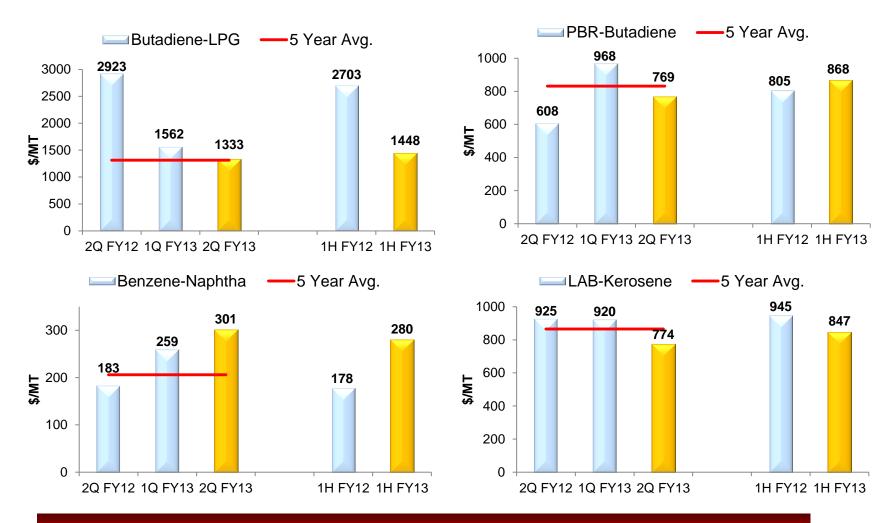


# **Petrochemical Sector**

Chemicals

#### **Chemical Deltas**





Benzene deltas improved on account of low feed stock prices

## Retaining Domestic Leadership

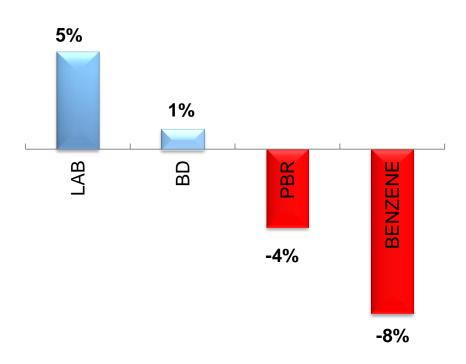


- LAB demand was higher due to strong demand for detergent and increase in pipeline inventory
- BD domestic demand improved during2Q FY13 (Y-o-Y)
- PBR demand was lower due to weakness in the auto sector and tyre companies opting to reduce inventories
- Shutdown in major downstream end use plants impacted demand for benzene
- RIL market share 2Q FY13:

Butadiene: 98%; PBR: 53%

Benzene: 40%; LAB: 23%





**55** 

# Strategic Priorities



	Installed Capacity (KTA)*	Proposed Expansion (KTA)	Total Capacity (KTA)	Expected Indian demand in FY16 (KTA)
PBR	74	40	114	200
SBR	-	150	150	275
Butyl Rubber	-	100	100	120
HPIB	-	105	105	105



# Summary

## **Summary**



- Investments in downstream petrochemicals and refining business to drive the next phase of growth - volume growth to commence in FY14
- Large volume expansion in petrochemicals to capture India centric growth opportunities
- Significant ramp-up planned in US shale JVs to accelerate earnings and achieve top quartile return on capital
- Creating a pipeline of projects for the next wave of oil and gas development in domestic E&P – subject to government approvals and market-linked pricing
- Committed to creating shareholder value through the ongoing share buy-back program

Investing in long-term growth projects to ensure sustainable shareholder value creation

