BUY

# **RESULTS FIRST LOOK**

At Rs25.8bn, 2QFY12 normalized PAT was 22% above our forecast, but 8% below consensus; reported PAT was Rs25.9bn (up 74% YoY, down 23% QoQ). Earnings surprise was driven by 5.5% above-forecast realization (up ~3% QoQ to Rs1403/ton); 11.9% offtake was via e-auction, realization up 8.4% QoQ. Provision for wage revision was on expected lines at ~Rs8bn (builds in ~25% wage hike). Await commentary at the earnings call on rakes availability, offtake/production targets, dialogue on wage revision and cash deployment. Our earnings forecast and TP for CIL are under review; maintain BUY.

Price target: 433.0 INR	t: 433.0 INR Price (11 Nov 2011): 326.1 INR			
Research analyst: Anirudh Gangahar	+91 22 4037 4516	anirudh.gangahar@nomura.com		
Research analyst: Ivan Lee, CFA	+852 2252 6213	ivan.lee@nomura.com		
Research analyst: Ankit Kumar	+91 22 4037 4008	ankit.kumar@nomura.com		
Publish Date: 13 Nov 2011				

# 2QFY12 – Realization surprises positively; earnings build-in ~25% wage revision

• Earnings vs. our Forecast:	ABOVE
Likely Impact:	
Earnings Estimates:	NO CHANGE
Dividend Estimates:	NO CHANGE
Price Target:	NO CHANGE
Long-term View:	CONFIRMED

Coal India (CIL) posted a normalized PAT of Rs25.8bn in 2QFY12 (22% above our forecast, but 8% below consensus); reported PAT was Rs25.9bn (up 74% YoY, down 23% QoQ). In a nutshell, the earnings surprise was driven by 5.5% higher-than-expected blended realization (up ~3% QoQ to Rs1403/ton). Provision for wage revision was on expected lines at ~Rs8bn, building in a wage hike of ~25%. A five-point summary of CIL's 2QFY12 financials follows –

## Exhibit 1. COAL – 2QFY12 Actual vs Estimates

COAL - 2QFY12		Nomura	Actual	Cons.	Actual
(Rs million)	Actual	Estimate	vs. Est.	Estimate	vs. Cons.
Offtake (mt)	93.7	93.9	-0.2%		
Realization (Rs/mt)	1,403	1,330	5.5%		
Sales	131,481	124,891	5.3%	134,089	-1.9%
Adj. EBITDA*	29,181	23,453	24.4%	29,787	-2.0%
Adj. Net Profit	25,766	21,157	21.8%	27,910	-7.7%
Reported PAT	25,931	21,157	22.6%	27,910	-7.1%

Note: Consensus = Bloomberg mean estimates

\* Adj. EBITDA = EBITDA less OB Adj Removal; definition of consensus EBITDA not available

Source: Company data, Bloomberg, Nomura research

#### [1] Blended realization up ~3% QoQ, leads to sharp surprise at the EBITDA level

At Rs131bn, revenues were 5.3% above our expectations primarily due to higher blended realization (Rs1403/ton, 5.5% above our forecast of Rs1330/ton). Total opex was largely in line with our forecast (higher-than-expected expenses relating to power/fuel and consumption of stores/spares was offset by lower-than-expected employee cost); accordingly, surprise at the top line resulted in adjusted EBITDA (excluding OB Adj. removal) coming 24% above our forecast.

#### [2] e-auction sales were 11.9% of raw coal offtake, realization up 8.4% QoQ

At 11.2mt, e-auction sales volume was 10% above forecast and accounted for 11.9% of total raw coal offtake during the quarter. At Rs2435/ton (up 8.4% QoQ), e-auction realization was 7% above our forecast. Notably, e-auction sales account for 12.3% of offtake

NOMURA FINANCIAL ADVISORY AND SECURITIES (INDIA) PRIVATE LIMITED, INDIA

## [3] Beneficiated/FSA revenues re-grouped for 1QFY12; washed coal realization up 3.8% QoQ

At 3.3mt, beneficiated sales volume was 17% above forecast; for 1HFY12, beneficiated coal sales account for 3.6% of offtake and ~6% of revenues in 1HFY12.

## [4] Provision for upcoming wage revision is ~Rs8bn (on expected lines)

CIL commenced provisioning for the upcoming revision of non-executive wages on expected lines – management set aside ~Rs8bn in 2QFY12, implying that provisioning is being done for ~25% hike in wages. However, the overall wage bill was 4% below our forecast.

## [5] Unexpected spike in impairment/depreciation offset by higher-than-expected 'other income'

While depreciation (including amortization & impairment) was up 33% QoQ, non-operating income (including recovery of transport/loading charges) surprised once again, up 15% QoQ (18% above our forecast).

### Earnings call tomorrow (14 Nov); we await management commentary on key issues

Besides clarifications on a few items in its 2QFY12 reported financials (including impairment, transport/loading charges and sharp spike in ex-wages opex), we look forward to management's commentary on 1) guidance for rakes availability, full year offtake/production target. 2) expected magnitude and timeline of employee wage revision, 3) status of e-auction coal earmarked for the power sector in October, and 4) expected deployment of cash towards overseas acquisition and/or buyback/cross-holdings.

Qtrly - Snapshot	2QFY12	2QFY11	YoY	1QFY12	QoQ	2QFY12F	Act
	Sep-11	Sep-10	(%)	Jun-11	(%)	Sep-11	vs Est
Operational Metrics							
Production (mn tons)	80.3	90.5	-11%	96.3	-17%	79.2	1%
Offtake (mn tons)	93.7	98.8	-5%	106.3	-12%	93.9	0%
Realization (Rs/ton)	1,403	1,122	25%	1,365	3%	1,330	5%
EBITDA (Rs/ton)	311	223	40%	509	-39%	250	25%
Key Financials (INR m)							
Revenues	131,481	116,677	13%	144,991	-9%	124,891	5%
Employee Cost	(56,907)	(47,812)	19%	(48,721)	17%	(59,439)	-4%
Consumption of Stores / Spares	(12,332)	(12,700)	-3%	(11,325)	9%	(10,296)	20%
Power & Fuel	(5,248)	(4,278)	23%	(4,627)	13%	(3,960)	33%
Contractual Expenses	(9,645)	(10,554)	-9%	(11,059)	-13%	(9,504)	1%
Others	(18,168)	(19,297)	-6%	(15,140)	20%	(18,238)	0%
EBITDA (pre OB removal adj.)	29,181	22,036	32%	54,120	-46%	23,453	24%
Margin	22.2%	18.9%		37.3%		18.8%	
OB removal adj.	(4,363)	(3,446)	27%	(5,881)	-26%	(4,125)	6%
EBITDA (reported)	24,819	18,590	34%	48,239	-49%	19,328	28%
Margin	18.9%	15.9%		33.3%		15.5%	
Depreciation	(5,734)	(3,701)	55%	(4,308)	33%	(3,959)	45%
EBIT	19,085	14,889	28%	43,931	-57%	15,369	24%
Interest expenses	(128)	(176)	-27%	(97)	32%	(146)	-12%
Other Income	17,942	11,576	55%	15,589	15%	15,218	18%
РВТ	36,898	26,289	40%	59,423	-38%	30,442	21%
Taxes	(11,132)	(9,377)	19%	(18,115)	-39%	(9,285)	20%
Normalized PAT	25,766	16,912	52%	41,308	-38%	21,157	22%
Extraordinary items	165	(1,967)	NM	132	25%	-	-
Reported PAT	25,931	14,945	74%	41,439	-37%	21,157	23%

#### Exhibit 2. COAL – 2QFY12 Consolidated Earnings Summary

Source: Company data, Nomura estimates

# Exhibit 3. COAL – Quarterly Earnings Trend

Qtrly - Snapshot (INR m)	1QFY11 Jun-10	2QFY11 Sep-10	3QFY11 Dec-10	4QFY11 Mar-11	1QFY12 Jun-11	2QFY12 Sep-11
Operational Metrics		-				
Production (mn tons)	95.2	90.5	113.9	131.8	96.3	80.3
Offtake (mn tons)	101.1	98.8	110.5	114.1	106.3	93.7
Realization (Rs/ton)	1,132	1,122	1,148	1,316	1,365	1,403
EBITDA (Rs/ton)	350	223	369	551	509	311
Key Financials (INR m)						
Revenues	114,356	116,677	126,919	144,383	144,991	131,481
Employee cost	(45,143)	(47,812)	(45,001)	(44,155)	(48,721)	(56,907)

Consumption of Stores & Spares	(10,764)	(12,700)	(13,535)	(15,317)	(11,325)	(12,332)
Power & Fuel	(4,319)	(4,278)	(4,643)	(4,306)	(4,627)	(5,248)
Contractual Expenses	(10,208)	(10,554)	(11,473)	(13,565)	(11,059)	(9,645)
Others	(8,540)	(19,297)	(11,525)	(4,228)	(15,140)	(18,168)
EBITDA (pre OB removal adj.)	35,384	22,036	40,743	62,813	54,120	29,181
Margin	30.9%	18.9%	32.1%	43.5%	37.3%	22.2%
OB removal	(4,334)	(3,446)	(6,939)	(11,466)	(5,881)	(4,363)
EBITDA (after OB adjustment)	31,050	18,590	33,804	51,347	48,239	24,819
Margin	27.2%	15.9%	26.6%	35.6%	33.3%	18.9%
Depreciation	(4,280)	(3,701)	(4,136)	(4,612)	(4,308)	(5,734)
EBIT	26,770	14,889	29,668	46,735	43,931	19,085
Interest expenses	(114)	(176)	(329)	(171)	(97)	(128)
Other income	10,812	11,576	12,876	12,699	15,589	17,942
PBT	37,468	26,289	42,214	59,263	59,423	36,898
Taxes	(12,098)	(9,377)	(15,796)	(18,687)	(18,115)	(11,132)
Normalized PAT	25,370	16,912	26,419	40,575	41,308	25,766
Extra-ordinary items	(111)	(1,967)	(158)	1,635	132	165
Reported net profit	25,259	14,945	26,261	42,210	41,439	25,931

Source: Company data, Nomura research

## Exhibit 4. COAL – 1HFY12 Revenue & Offtake mix

Qtrly Results	1QFY12	2QFY12	QoQ
	Jun-11	Sep-11	(%)
Sales volume (mn tons)			
E-auction	13.5	11.2	-18%
Benefeciated coal	4.0	3.3	-16%
Notified (incl. FSA, high-grade)	87.9	78.5	-11%
Realization (Rs/ton)			
E-auction	2,246	2,435	8%
Benefeciated coal	2,179	2,262	4%
Notified (incl. FSA, high-grade)	1,205	1,233	2%
Blended (based on offtake)	1,365	1,403	3%
Blended (based on dispatch)	1,368	1,410	3%
Revenues (INR m)			
E-auction	30,410	27,154	-11%
Benefeciated coal	8,606	7,533	-12%
Notified (incl. FSA, high-grade)	105,975	96,793	-9%
Revenue Mix (%)			
E-auction	21.0%	20.7%	-2%
Benefeciated coal	5.9%	5.7%	-3%
Notified (incl. FSA, high-grade)	73.1%	73.6%	1%

Source: Company data, Nomura research

#### Valuation Methodology and Investment Risks: see below

Note: Ratings and Price Targets are as of the date of the most recently published report (<u>http://go.nomuranow.com/research/globalresearchportal</u>) rather than the date of this email.

Results First Look is the analyst's preliminary interpretation of the results announcement. Our recommendation and earnings estimates are not beingchanged in this report. Any formal changes to our recommendation or earnings estimates will be made in a subsequent report, which may differ from the preliminary views expressed in this report.

#### New force in Research: Global from east to west

Nomura Equity Research website: <u>http://go.nomuranow.com/research/globalresearchportal</u> Nomura Strategy website: <u>https://apps.nomuranow.com/EQS</u>

#### Analyst Certification

We, Anirudh Gangahar, Ivan Lee, CFA and Ankit Kumar, hereby certify (1) that the views expressed in this Research report accurately reflect our personal views about any or all of the subject securities or issuers referred to in this Research report, (2) no part of our compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this Research report and (3) no part of our compensation is tied to any specific investment banking transactions performed by Nomura Securities International, Inc., Nomura International plc or any other Nomura Group company.

#### Issuer Specific Regulatory Disclosures Mentioned companies

ssuer name	Ticker	Price	Price date	Stock rating	Disclosures
India	COAL IN	326.1 INR	11 Nov 2011	Buy	

#### **Previous Rating**

Issuer name	Previous Rating	Date of change
Coal India	Not Rated	18 Jul 2011

oal India (COAL IN)		326.1 INR (11 No	<b>v 2011)</b> Buy			
ating and target price chart (	three year history)					
	COAL INDIA	As of 10-No+2011 Currency = INR	<b>Date</b> 18-Jul-2011 18-Jul-2011	<b>Rating</b> Buy	Target price 433.00	Closing price 368.85 368.85
46.00 -		24.2		,		
16.00 -		N				
34.00 -						
52.00 -	1.	where the				
20.00 -	VMAN	J				
8.00 -						
56.00						
24.00 -						
82.00						
80.00						
20.00 -						
96.00 -						
94.00 -						
32.00 -						
0.00 2006/11/1 2008/3/1 2008/7/1 2	000011/1 2010/34 2010/7/1 2010/11/1 201	1.6/1 2011/7/4 2011/1/1/				
— c	Social Price A Target Price Change Seconomendation Change Drop Coverage					

Valuation Methodology We arrive at our Rs433/share 12-mth target price for CIL using a sum-of-the-parts of [1] FCFF-based methodology to value the cash flows from its 10.6bn tons of proven reserves, and [2] EV/ton based value of CIL's probable reserves (8.3bn tons) and remaining resources (45.5bn tons) as per the JORC Code.

**Risks that may impede the achievement of the target price** Key risks: 1) Regulatory uncertainty particularly around pricing flexibility, environmental/forest clearance and restriction on e-auction coal sales; 2) lower-than-expected coal despatch due to lower rake availability; 3)delays in land acquisition/possession; and 4) wage revision of non-executives is higher than our expectation of a 30% increase.

# Important Disclosures

# Online availability of research and conflict-of-interest disclosures

Nomura research is available on www.nomuranow.com, Bloomberg, Capital IQ, Factset, MarkitHub, Reuters and ThomsonOne.

Important disclosures may be read at <a href="http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures/aspx/">http://go.nomuranow.com/research/globalresearch/globalresearch/globalresearchportal/pages/disclosures/disclosures.aspx/</a> or requested from Nomura Securities International, Inc., on 1-877-865-5752. If you have any difficulties with the website, please email <a href="https://grupport.gru

The analysts responsible for preparing this report have received compensation based upon various factors including the firm's total revenues, a portion of which is generated by Investment Banking activities. Unless otherwise noted, the non-US analysts listed at the front of this report are not registered/qualified as research analysts under FINRA/NYSE rules, may not be associated persons of NSI, and may not be subject to FINRA Rule 2711 and NYSE Rule 472 restrictions on communications with covered companies, public appearances, and trading securities held by a research analyst account.

Industry Specialists identified in some Nomura International plc research reports are employees within the Firm who are responsible for the sales and trading effort in the sector for which they have coverage. Industry Specialists do not contribute in any manner to the content of research reports in which their names appear. *Marketing Analysts* identified in some Nomura research reports are research analysts employed by Nomura International plc who are primarily responsible for marketing Nomura's Equity Research product in the sector for which they have coverage. Marketing Analysts may also contribute to research reports in which their names appear and publish research on their sector.

#### **Distribution of ratings (Global)**

The distribution of all ratings published by Nomura Global Equity Research is as follows:

49% have been assigned a Buy rating which, for purposes of mandatory disclosures, are classified as a Buy rating; 41% of companies with this rating are investment banking clients of the Nomura Group\*.

41% have been assigned a Neutral rating which, for purposes of mandatory disclosures, is classified as a Hold rating; 50% of companies with this rating are investment banking clients of the Nomura Group\*.

10% have been assigned a Reduce rating which, for purposes of mandatory disclosures, are classified as a Sell rating; 20% of companies with this rating are investment banking clients of the Nomura Group\*.

As at 30 September 2011. \*The Nomura Group as defined in the Disclaimer section at the end of this report.

Explanation of Nomura's equity research rating system in Europe, Middle East and Africa, US and Latin America The rating system is a relative system indicating expected performance against a specific benchmark identified for each individual stock. Analysts may also indicate absolute upside to target price defined as (fair value - current price)/current price, subject to limited management discretion. In most cases, the fair value will equal the analyst's assessment of the current intrinsic fair value of the stock using an appropriate valuation methodology such as discounted cash flow or multiple analysis, etc.

#### STOCKS

A rating of 'Buy', indicates that the analyst expects the stock to outperform the Benchmark over the next 12 months. A rating of 'Reutral', indicates that the analyst expects the stock to perform in line with the Benchmark over the next 12 months. A rating of 'Reutral', indicates that the analyst expects the stock to underperform the Benchmark over the next 12 months. A rating of 'Suspended', indicates that the rating, target price and estimates have been suspended temporarily to comply with applicable regulations and/or firm policies in certain circumstances including, but not limited to, when Nomura is acting in an advisory capacity in a merger or strategic transaction involving the company.

Benchmarks are as follows: United States/Europe: Please see valuation methodologies for explanations of relevant benchmarks for stocks (accessible through the left hand side of the Nomura Disclosure web page: <a href="http://go.nomuranow.com/research/globalresearchportal">http://go.nomuranow.com/research/globalresearch/

#### SECTORS

A 'Bullish' stance, indicates that the analyst expects the sector to outperform the Benchmark during the next 12 months. A 'Neutral' stance, indicates that the analyst expects the sector to perform in line with the Benchmark during the next 12 months. A 'Bearish' stance, indicates that the analyst expects the sector to underperform the Benchmark during the next 12 months.

Benchmarks are as follows: United States: S&P 500; Europe: Dow Jones STOXX 600; Global Emerging Markets (ex-Asia): MSCI Emerging Markets ex-Asia.

Explanation of Nomura's equity research rating system for Asian companies under coverage ex Japan published from 30 October 2008 and in Japan from 6 January 2009

STOCKS

Stock recommendations are based on absolute valuation upside (downside), which is defined as (Target Price - Current Price) / Current Price, subject to limited management discretion. In most cases, the Target Price will equal the analyst's 12-month intrinsic valuation of the stock, based on an appropriate valuation methodology such as discounted cash flow, multiple analysis, etc.

A '**Buy'** recommendation indicates that potential upside is 15% or more. A '**Neutral'** recommendation indicates that potential upside is less than 15% or downside is less than 5%. A '**Reduce'** recommendation indicates that potential downside is 5% or more. A rating of '**Suspended'** indicates that the rating and target price have been suspended temporarily to comply with applicable regulations and/or firm policies in certain circumstances including when Nomura is acting in an advisory capacity in a merger or strategic transaction involving the subject company.

Securities and/or companies that are labelled as 'Not rated' or shown as 'No rating' are not in regular research coverage of the Nomura entity identified in the top banner. Investors should not expect continuing or additional information from Nomura relating to such securities and/or companies.

#### SECTORS

A '**Bullish'** rating means most stocks in the sector have (or the weighted average recommendation of the stocks under coverage is) a positive absolute recommendation. A '**Neutral'** rating means most stocks in the sector have (or the weighted average recommendation of the stocks under coverage is) a neutral absolute recommendation. A '**Bearish'** rating means most stocks in the sector have (or the weighted average recommendation of the stocks under coverage is) a neutral absolute recommendation. A '**Bearish'** rating means most stocks in the sector have (or the weighted average recommendation of the stocks under coverage is) a neutral absolute recommendation.

Explanation of Nomura's equity research rating system in Japan published prior to 6 January 2009 STOCKS

A rating of '1' or '**Strong buy**', indicates that the analyst expects the stock to outperform the Benchmark by 15% or more over the next six months. A rating of '2' or '**Buy**', indicates that the analyst expects the stock to outperform the Benchmark by 5% or more but less than 15% over the next six months. A rating of '3' or '**Neutral**', indicates that the analyst expects the stock to either outperform or underperform the Benchmark by less than 5% over the next six months. A rating of '4' or '**Reduce**', indicates that the analyst expects the stock to underperform the Benchmark by 5% or more but less than 15% over the next six months. A rating of '4' or '**Reduce**', indicates that the analyst expects the stock to underperform the Benchmark by 5% or more but less than 15% over the next six months. A rating of '5' or '**Sell**', indicates that the analyst expects the stock to underperform the Benchmark by 15% or more over the next six months. Stocks labeled '**Not rated**' or shown as '**No rating'** are not in Nomura's regular research coverage. Nomura might not publish additional research reports concerning this company, and it undertakes no obligation to update the analysis, estimates, projections, conclusions or other information contained herein.

#### SECTORS

A 'Bullish' stance, indicates that the analyst expects the sector to outperform the Benchmark during the next six months. A 'Neutral' stance, indicates that the analyst expects the sector to perform in line with the Benchmark during the next six months. A 'Bearish' stance, indicates that the analyst expects the sector to underperform the Benchmark during the next six months.

Benchmarks are as follows: **Japan**: TOPIX; **United States**: S&P 500, MSCI World Technology Hardware & Equipment; **Europe**, by sector -Hardware/Semiconductors: FTSE W Europe IT Hardware; *Telecoms*: FTSE W Europe Business Services; *Business Services*: FTSE W Europe; *Auto & Components*: FTSE W Europe Auto & Parts; *Communications equipment*: FTSE W Europe IT Hardware; **Ecology Focus**: Bloomberg World Energy Alternate Sources; **Global Emerging Markets**: MSCI Emerging Markets ex-Asia.

#### **Target Price**

A Target Price, if discussed, reflect in part the analyst's estimates for the company's earnings. The achievement of any target price may be impeded by general market and macroeconomic trends, and by other risks related to the company or the market, and may not occur if the company's earnings differ from estimates.

#### Disclaimers

This document contains material that has been prepared by the Nomura entity identified at the top or bottom of page 1 herein, if any, and/or, with the sole or joint contributions of one or more Nomura entities whose employees and their respective affiliations are specified on page 1 herein or identified elsewhere in the document. Affiliates and subsidiaries of Nomura Holdings, Inc. (collectively, the 'Nomura Group'), include: Nomura Securities Co., Ltd. ('NSC') Tokyo, Japan; Nomura International plc ('NIplc'), UK; Nomura Securities International, Inc. ('NSI'), New York, US; Nomura International (Hong Kong) Ltd. ('NIHK'), Hong Kong; Nomura Financial Investment (Korea) Co., Ltd. ('NFIK'), Korea (Information on Nomura analysts registered with the Korea Financial Investment Association ('KOFIA') can be found on the KOFIA Intranet at http://dis.kofia.or.kr ); Nomura Singapore Ltd. ('NSL'), Singapore (Registration number 197201440E, regulated by the Monetary Authority of Singapore); Capital Nomura Securities Public Company Limited ('CNS'), Thailand; Nomura Australia Ltd. ('NAL'), Australia (ABN 48 003 032 513), regulated by the Australian Securities and Investment Commission ('ASIC') and holder of an Australian financial services licence number 246412; P.T. Nomura Indonesia ('PTNI'), Indonesia; Nomura Securities Malaysia Sdn. Bhd. ('NSM'), Malaysia; Nomura International (Hong Kong) Ltd., Taipei Branch ('NITB'), Taiwan; Nomura Financial Advisory and Securities (India) Private Limited ('NFASL'), Mumbai, India (Registered Address: Ceejay House, Level 11, Plot F, Shivsagar Estate, Dr. Annie Besant Road, Worli, Mumbai- 400 018, India; Tel: +91 22 4037 4037, Fax: +91 22 4037 4111; SEBI Registration No: BSE INB011299030, INE 231299034, INE 2312

This material is: (i) for your private information, and we are not soliciting any action based upon it; (ii) not to be construed as an offer to sell or a solicitation of an offer to buy any security in any jurisdiction where such offer or solicitation would be illegal; and (iii) based upon information from sources that we consider reliable, but has not been independently verified by Nomura Group.

Nomura Group does not warrant or represent that the document is accurate, complete, reliable, fit for any particular purpose or merchantable and does not accept liability for any act (or decision not to act) resulting from use of this document and related data. To the maximum extent permissible all warranties and other assurances by Nomura group are hereby excluded and Nomura Group shall have no liability for the use, misuse, or distribution of this information. Opinions or estimates expressed are current opinions as of the original publication date appearing on this material and the information, including the opinions and estimates contained herein, are subject to change without notice. Nomura Group is under no duty to update this document. Any comments or statements made herein are those of the author(s) and may differ from views held by other parties within Nomura Group. Clients should consider whether any advice or recommendation in this report is suitable for their particular circumstances and, if appropriate, seek professional advice, including tax advice. Nomura Group does not provide tax advice.

Nomura Group, and/or its officers, directors and employees, may, to the extent permitted by applicable law and/or regulation, deal as principal, agent, or otherwise, or have long or short positions in, or buy or sell, the securities, commodities or instruments, or options or other derivative instruments based thereon, of issuers or securities mentioned herein. Nomura Group companies may also act as market maker or liquidity provider (as defined within Financial Services Authority ('FSA') rules in the UK) in the financial instruments of the issuer. Where the activity of market maker is carried out in accordance with the definition given to it by specific laws and regulations of the US or other jurisdictions, this will be separately disclosed within the specific issuer disclosures. This document may contain information obtained from third parties, including ratings from credit ratings agencies such as Standard & Poor's. Reproduction and distribution of third party content in any form is prohibited except with the prior written permission of the related third party. Third party content providers do not guarantee the accuracy, completeness, timeliness or availability of any information, including ratings, and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such content. Third party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Third party content providers shall not be liable for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use of their content, including ratings are statements of opinions and are not statements of fact or recommendations to purchase hold or sell securities. They do not address the suitability of securities for in

Any MSCI sourced information in this document is the exclusive property of Morgan Stanley Capital International Inc. ('MSCI'). Without prior written permission of MSCI, this information and any other MSCI intellectual property may not be reproduced, re-disseminated or used to create any financial products, including any indices. This information is provided on an "as is" basis. The user assumes the entire risk of any use made of this information. MSCI, its affiliates and any third party involved in, or related to, computing or compiling the information hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any of this information. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any third party involved in, or related to, computing or compiling the information have any liability for any damages of any kind. MSCI, Morgan Stanley Capital International and the MSCI indexes are services marks of MSCI and its affiliates.

Investors should consider this document as only a single factor in making their investment decision and, as such, the report should not be viewed as identifying or suggesting all risks, direct or indirect, that may be associated with any investment decision. Nomura Group produces a number of different types of research product including, among others, fundamental analysis, quantitative analysis and short term trading ideas; recommendations contained in one type of research product may differ from recommendations contained in other types of research product, whether as a result of differing time horizons, methodologies or otherwise. Nomura Group publishes research product in a number of different ways including the posting of product on Nomura Group portals and/or distribution directly to clients. Different groups of clients may receive different products and services from the research department depending on their individual requirements.

Figures presented herein may refer to past performance or simulations based on past performance which are not reliable indicators of future performance. Where the information contains an indication of future performance, such forecasts may not be a reliable indicator of future performance. Moreover, simulations are based on models and simplifying assumptions which may oversimplify and not reflect the future distribution of returns. Certain securities are subject to fluctuations in exchange rates that could have an adverse effect on the value or price of, or income derived from, the investment.

The securities described herein may not have been registered under the US Securities Act of 1933 (the '1933 Act'), and, in such case, may not be offered or sold in the US or to US persons unless they have been registered under the 1933 Act, or except in compliance with an exemption from the registration requirements of the 1933 Act. Unless governing law permits otherwise, any transaction should be executed via a Nomura entity in your home jurisdiction. This document has been approved for distribution in the UK and European Economic Area as investment research by NIplc, which is authorized and regulated by the FSA and is a member of the London Stock Exchange. It does not constitute a personal recommendation, as defined by the FSA, or take into account the particular investment objectives, financial situations, or needs of individual investors. It is intended only for investors who are 'eligible counterparties' or 'professional clients' as defined by the FSA, and may not, therefore, be redistributed to retail clients as defined by the FSA. This document has been approved for distribution in Australia by NAL, which is authorized and regulated in Australia by the ASIC. This document has also been approved for distribution in Malaysia by NSM. In Singapore, this document has been distributed by NSL. NSL accepts legal responsibility for the content of this document, where it concerns securities, futures and foreign exchange, issued by their foreign affiliates in respect of recipients who are not accredited, expert or institutional investors as defined by the Securities and Futures Act (Chapter 289). Recipients of this document in Singapore should contact NSL in respect of matters arising from, or in connection with, this document. Unless prohibited by the provisions of Regulation S of the 1933 Act, this material is distributed in the US, by NSI, a US-registered broker-dealer, which accepts responsibility for its contents in accordance with the provisions of Rule 15a-6, under the US Securities Exchange Act of 1934.

This document has not been approved for distribution in the Kingdom of Saudi Arabia ('Saudi Arabia') or to clients other than 'professional clients' in the United Arab Emirates ('UAE') by Nomura Saudi Arabia, NIplc or any other member of Nomura Group, as the case may be. Neither this document nor any copy thereof may be taken or transmitted or distributed, directly or indirectly, by any person other than those authorised to do so into Saudi Arabia or in the UAE or to any person located in Saudi Arabia or to clients other than 'professional clients' in the UAE or to any person located in Saudi Arabia or to clients other than 'professional clients' in the UAE. By accepting to receive this document, you represent that you are not located in Saudi Arabia or that you are a 'professional client' in the UAE and agree to comply with these restrictions. Any failure to comply with these restrictions may constitute a violation of the laws of Saudi Arabia or the UAE.

No part of this material may be (i) copied, photocopied, or duplicated in any form, by any means; or (ii) redistributed without the prior written consent of a member of Nomura Group. Further information on any of the securities mentioned herein may be obtained upon request. If this document has been distributed by electronic transmission, such as e-mail, then such transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this document, which may arise as a result of electronic transmission. If verification is required, please request a hard-copy version.

Nomura Group manages conflicts with respect to the production of research through its compliance policies and procedures (including, but not limited to, Conflicts of Interest, Chinese Wall and Confidentiality policies) as well as through the maintenance of Chinese walls and employee training.

Additional information is available upon request. Disclosure information is available at the Nomura Disclosure web page: <u>http://go.nomuranow.com/research/globalresearchportal/pages/disclosures/disclosures.aspx</u>

Nomura Financial Advisory and Securities (India) Private Limited, India

Ceejay House, Level 11, Plot F, Shivsagar Estate, Dr. Annie Besant Road, Worli, Mumbai- 400 018, India

Caring for the environment: to receive only the electronic versions of our research, please contact your sales representative.

Tel: +91 22 4037 4037

Fax: +91 22 4037 4111