

May 24, 2022

Q4FY22 Result Update

☑ Change in Estimates | ■ Target | ■ Reco

Change in Estimates

	Cur	rent	Prev	/ious
	FY23E	FY24E	FY23E	FY24E
Rating	В	UY	В	UY
Target Price	7	73	7	73
Sales (Rs. m)	39,611	44,259	39,807	44,479
% Chng.	(0.5)	(0.5)		
EBITDA (Rs. m)	7,633	8,975	7,657	8,972
% Chng.	(0.3)	-		
EPS (Rs.)	20.2	24.6	21.5	27.2
% Chng.	(5.6)	(9.6)		

Key Financials - Consolidated

Y/e Mar	FY21	FY22	FY23E	FY24E
Sales (Rs. m)	25,823	37,013	39,611	44,259
EBITDA (Rs. m)	1,821	6,535	7,633	8,975
Margin (%)	7.1	17.7	19.3	20.3
PAT (Rs. m)	(143)	3,421	4,136	5,020
EPS (Rs.)	(0.7)	16.7	20.2	24.6
Gr. (%)	(112.0)	(2,493.5)	20.9	21.4
DPS (Rs.)	-	-	1.2	1.2
Yield (%)	-	-	0.2	0.2
RoE (%)	(1.3)	26.2	24.6	23.7
RoCE (%)	(0.1)	25.6	23.8	23.6
EV/Sales (x)	5.2	3.6	3.5	3.1
EV/EBITDA (x)	73.3	20.4	18.0	15.1
PE (x)	(905.9)	37.8	31.3	25.8
P/BV (x)	11.6	8.7	6.9	5.5

Key Data	NARY.BO NARH IN
52-W High / Low	Rs.777 / Rs.426
Sensex / Nifty	54,289 / 16,215
Market Cap	Rs.129bn/ \$ 1,670m
Shares Outstanding	204m
3M Avg. Daily Value	Rs.134.14m

Shareholding Pattern (%)

Promoter's	63.85
Foreign	10.64
Domestic Institution	14.46
Public & Others	11.05
Promoter Pledge (Rs bn)	-

Stock Performance (%)

	1M	6M	12M
Absolute	(10.3)	10.9	45.2
Relative	(5.5)	19.8	35.2

Param Desai

paramdesai@plindia.com | 91-22-66322259

Sanketa Kohale

sanketakohale@plindia.com | 91-22-66322426

Narayana Hrudayalaya (NARH IN)

Rating: BUY | CMP: Rs634 | TP: Rs773

In line quarter; Stepping up investments in India business

Quick Pointers:

- Another quarter of strong Cayman profitability
- Rs10bn of capex likely in FY23 towards Cayman new facility, greenfield expansion at Raipur & Kolkata, new acquisitions

NARH have announced aggressive capex plan across India and Cayman operations over next 2-3 years. This enhances growth visibility beyond FY24 however in near term it may increase debt and impact return ratios. We maintain our estimates and 'Buy' rating with TP of Rs773/share, based on 20x FY24E EV/EBITDA for India business and 16x EV/EBITDA for Cayman hospitals. At CMP, stock is trading at 15.7x EV/EBITDA (adj for IND AS) and 26x P/E on FY24E. With strong performance at Cayman, steady pick up in mature India hospitals and ramp-up at new hospitals, we expect EBITDA CAGR of 18% over FY22-24E. Despite capex intensity going up, RoE/RoCE will remain healthy at 24% by FY24E.

- In line EBITDA aided by Cayman: NARH reported Q4FY22 pre IND AS EBIDTA of Rs 1.64bn. Adjusted for one offs St Lucia (Rs132n) and Jammu unit (Rs54mn), EBITDA came in at 1.4bn (up 13% YoY; down 10% QoQ), in line with our estimate. Cayman reported strong profitability with EBIDTA growth of 46% to Rs790m while India business (adj for Jammu) reported 20% QoQ decline in EBIDTA to Rs800mn. Losses from new hospitals came in higher at Rs82mn (up 71% QoQ). Jammu unit turned into positive EBITDA of Rs 54mn due to change in accounting treatment.
- Revenue grew by +12% YoY (down 2% QoQ) to Rs9.4bn. ARPOB (average revenue per occupied bed) for India business improved by 11% YoY (+4% QoQ) to Rs. 33,425 per day. International business contributed 4% to the total India revenues vs 6% in Q3. Cayman reported \$24.4mn (flat QoQ) revenues in Q4. Net debt marginally increased by Rs.283mn to Rs2.4bn.
- Key con-call takeaways: (1) Expansion strategy and capex a) Mgmt indicated the focus to remain on existing regions for the next 4-5 years especially in Bangalore and Kolkata., b) NARH guided capex of Rs. 10bn for FY23 (includes Cayman capex guidance of \$50mn), greenfield expansion in Kolkata & Raipur, brownfield expansion in Bangalore. c) Mgmt guided to invest in international markets especially in Caribbean islands and evaluating new opportunities in North American region. d) Continue to explore bolt on acquisitions (2) Mgmt stated Gurgaon hospital to take couple of months for break-even, Mumbai hospital to take more time given that the concentration is only on child care. (3) Jammu hospital to continue to be treated as breakeven and cash flows will be reinvested. (4) Tax rate was higher on account of repatriation of dividend income from Cayman. (4) Current ARPOB is sustainable in nature (5) Occupancy was in the range of 52-55% for FY22. (6) A sequential drop in the contribution of Cardiac procedures to 34.3% in Q4FY22 and 30.7% for FY22. 7) Flagship hospitals reported EBITDAR of 27% in Q4FY22 and 23% for FY22.

Narayana Hrudayalaya

Exhibit 1: Q4FY22 Result Overview (Rs mn) - In line EBITDA

(Rs m)	4QFY22	4QFY21	YoY gr. (%)	3QFY22	QoQ gr. (%)	FY22	FY21	YoY gr. (%)
Net Sales	9,407	8,378	12.3	9,596	(2.0)	37,013	25,823	43.3
COGS	2,199	2,069	6.3	2,364	(7.0)	9,092	6,779	34.1
% of Net Sales	23.4	24.7		24.6		24.6	26.2	
Employee Cost	1,961	1,696	15.6	1,925	1.9	7,685	6,268	22.6
% of Net Sales	20.8	20.2		20.1		20.8	24.3	
Other Expenses	3,497	3,198	9.3	3,558	(1.7)	13,701	10,956	25.1
% of Net Sales	37.2	38.2		37.1		37.0	42.4	
Total	7,656	6,964	9.9	7,846	(2.4)	30,478	24,002	27.0
EBITDA	1,751	1,414	23.8	1,750	0.1	6,535	1,821	258.9
Margins (%)	18.6	16.9		18.2		17.7	7.1	
Other Income	98	85	14.4	69	42.2	346	282	22.7
Interest	163	182	(10.8)	163	(0.2)	663	760	(12.7)
Depreciation	468	445	5.1	461	1.4	1,835	1,835	(0.0)
РВТ	1,218	872	39.7	1,195	2.0	4,383	(492)	(990.3)
Тах	503	172	191.6	196	156.0	877	(418)	(309.9)
Tax rate %	41.3	19.8		16.4		20.0	84.8	
РАТ	715	700	2.2	998	(28.3)	3,506	(75)	(4,789.0)
Share in (loss)/profit of associate	(26)	(19)		(23)		(87)	(68)	
Minority Interest	-	-		-		-	(0)	
Reported PAT	690	681	1.3	975	(29.3)	3,419	(142)	NA

Source: Company, PL

Exhibit 2: Break-up of Revenues

Break up of revenues	4QFY22	4QFY21	YoY gr. (%)	3QFY22	QoQ gr. (%)	FY22	FY21	YoY gr. (%)
Cayman	1,813	1,376	31.8	1,879	(3.5)	6,965	5,092	36.8
% of Net Sales	19.5	16.4		19.6		19.0	19.7	
India	7,462	7,002	6.6	7,717	(3.3)	29,632	20,732	42.9
% of Net Sales	80.5	83.6		80.4		81.0	80.3	
Total Sales	9,275	8,378	10.7	9,596	(3.3)	36,597	25,823	41.7

Source: Company, PL

Exhibit 3: Hospital wise (India) break up

Maturity-wise (Q4FY22)	Existing	New
No. of hospitals	16	3
% of Hospital operating beds	88%	12%
% of Hospital operating revenues	87%	13%
YoY revenue growth (%)	5%	22%
ARPOB (INR mn)	12	16
EBITDAR margin (%)	22%	-8%

Source: Company, PL

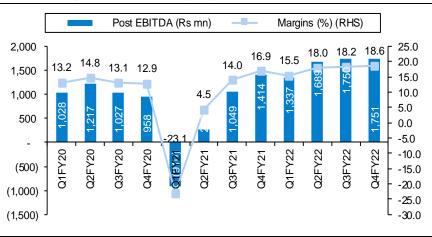


Exhibit 4: Margin expansion led by Cayman, St Lucia and Jammu unit

Source: Company, PL

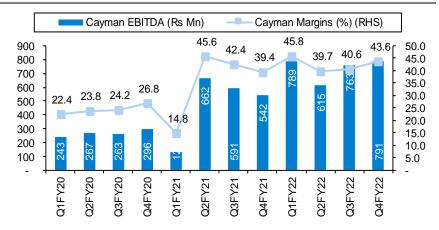
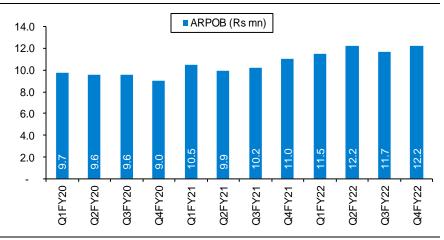


Exhibit 5: Another quarter of strong Cayman profitability

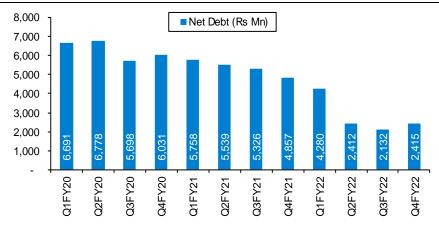
Source: Company, PL

Exhibit 6: Current ARPOB is sustainable



Source: Company, PL

Narayana Hrudayalaya





Source: Company, PL

Financials

Income Statement (Rs m)

Y/e Mar	FY21	FY22	FY23E	FY24E	Y/e Ma
Net Revenues	25,823	37,013	39,611	44,259	Non-Cu
YoY gr. (%)	(17.4)	43.3	7.0	11.7	
Cost of Goods Sold	6,779	9,092	9,507	10,622	Gross B
Gross Profit	19,045	27,921	30,105	33,637	Tangibl
Margin (%)	73.8	75.4	76.0	76.0	Intangit
Employee Cost	6,272	7,685	8,837	10,163	
Other Expenses	10,952	13,701	13,634	14,499	Acc: De Tangibl
EBITDA	1,821	6,535	7,633	8,975	Intangit
YoY gr. (%)	(56.9)	258.9	16.8	17.6	
Margin (%)	7.1	17.7	19.3	20.3	Net fixed Tangibl
Depreciation and Amortization	1,835	1,835	1,963	2,101	Intangit
EBIT	(14)	4,700	5,670	6,875	Capital V
Margin (%)	(0.1)	12.7	14.3	15.5	Goodwill
					Non-Cur
Net Interest	760	663	750	800	Net Defe
Other Income	282	346	300	250	Other No
Profit Before Tax	(492)	4,383	5,220	6,325	Current
Margin (%)	(1.9)	11.8	13.2	14.3	Investm Invento
Total Tax	(418)	877	1,044	1,265	Trade r
Effective tax rate (%)	84.9	20.0	20.0	20.0	Cash & Other C
Profit after tax	(75)	3,506	4,176	5,060	Total As
Minority interest	-	-	-	-	Equity
Share Profit from Associate	(68)	(85)	(40)	(40)	Equity
	(4.4.2)	2 4 2 4	4 4 2 6	E 020	Other E
Adjusted PAT	(143)	3,421	4,136	5,020	Total Ne
YoY gr. (%)	(112.0)	(2,493.5)	20.9	21.4	Total Ne
Margin (%)	(0.6)	9.2	10.4	11.3	Non-Cu
Extra Ord. Income / (Exp)	-	-	-	-	Long T
Penarted PAT	(143)	3 / 21	1 1 3 6	5 020	Provisio
Reported PAT YoY gr. (%)	(143)	3,421 (2,493.5)	4,136 20.9	5,020 21.4	Other n
Margin (%)	(112.0)	(2,493.3) 9.2	20.9 10.4	11.3	
inai giri (70)	(0.0)	3.2	10.4	11.5	Current
Other Comprehensive Income	-	-	-	-	ST Deb
Total Comprehensive Income	(143)	3,421	4,136	5,020	Trade p
•	(-,	,	- ,	-
Equity Shares O/s (m)	204	204	204	204	Other c

Source: Company	/ Data, PL	Research
-----------------	------------	----------

Balance Sheet Abstract (Rs m)

Balance Sheet Abstract (KS III)	/			
Y/e Mar	FY21	FY22	FY23E	FY24E
Non-Current Assets				
Gross Block	29,386	31,410	41,410	46,410
Tangibles	27,384	29,722	39,722	44,722
Intangibles	2,002	1,689	1,689	1,689
Acc: Dep / Amortization	10,358	12,193	14,156	16,257
Tangibles	10,358	12,193	14,156	16,257
Intangibles	-	-	-	-
Net fixed assets	19,028	19,217	27,254	30,153
Tangibles	17,026	17,529	25,565	28,465
Intangibles	2,002	1,689	1,689	1,689
Capital Work In Progress	199	669	669	669
Goodwill	581	581	581	581
Non-Current Investments	1,203	1,324	1,324	1,324
Net Deferred tax assets	(112)	(496)	(496)	(496)
Other Non-Current Assets	-	-	-	-
Current Assets				
Investments	-	-	-	-
Inventories	478	594	1,085	1,213
Trade receivables	2,785	4,369	4,341	4,850
Cash & Bank Balance	1,321	1,722	608	1,109
Other Current Assets	2,086	2,807	3,256	3,638
Total Assets	27,700	31,297	39,132	43,551
Equity				
Equity Share Capital	2,044	2,044	2,044	2,044
Other Equity	9,159	12,843	16,742	21,524
Total Networth	11,203	14,886	18,785	23,568
Non-Current Liabilities				
Long Term borrowings	5,253	5,449	8,449	7,449
Provisions	-	-	-	-
Other non current liabilities	-	-	-	-
Current Liabilities				
ST Debt / Current of LT Debt	-	-	-	-
Trade payables	4,103	4,490	5,426	6,063
Other current liabilities	4,927	4,169	4,169	4,169
	1,021	.,	.,	.,

Source: Company Data, PL Research

P

Cash Flow (Rs m)

Y/e Mar	FY21	FY22	FY23E	FY24E
РВТ	(492)	4,383	5,220	6,325
Add. Depreciation	1,835	1,835	1,963	2,101
Add. Interest	760	663	750	800
Less Financial Other Income	282	346	300	250
Add. Other	383	121	(40)	(40)
Op. profit before WC changes	2,486	7,002	7,893	9,185
Net Changes-WC	(78)	(1,275)	24	(382)
Direct tax	418	(877)	(1,044)	(1,265)
Net cash from Op. activities	2,826	4,850	6,873	7,538
Capital expenditures	(898)	(2,808)	(10,000)	(5,000)
Interest / Dividend Income	-	-	-	-
Others	342	140	-	-
Net Cash from Invt. activities	(556)	(2,668)	(10,000)	(5,000)
Issue of share cap. / premium	-	-	-	-
Debt changes	(1,920)	195	3,000	(1,000)
Dividend paid	-	-	(237)	(237)
Interest paid	(760)	(663)	(750)	(800)
Others	583	(1,313)	-	-
Net cash from Fin. activities	(2,097)	(1,781)	2,013	(2,037)
Net change in cash	173	401	(1,114)	501
Free Cash Flow	1,927	2,042	(3,127)	2,538

Key Financial Metrics				
Y/e Mar	FY21	FY22	FY23E	FY24E
Per Share(Rs)				
EPS	(0.7)	16.7	20.2	24.6
CEPS	8.3	25.7	29.8	34.8
BVPS	54.8	72.8	91.9	115.3
FCF	9.4	10.0	(15.3)	12.4
DPS	-	-	1.2	1.2
Return Ratio(%)				
RoCE	(0.1)	25.6	23.8	23.6
ROIC	(0.1)	15.9	14.7	16.2
RoE	(1.3)	26.2	24.6	23.7
Balance Sheet				
Net Debt : Equity (x)	0.4	0.3	0.4	0.3
Net Working Capital (Days)	(12)	5	-	-
Valuation(x)				
PER	(905.9)	37.8	31.3	25.8
P/B	11.6	8.7	6.9	5.5
P/CEPS	76.5	24.6	21.2	18.2
EV/EBITDA	73.3	20.4	18.0	15.1
EV/Sales	5.2	3.6	3.5	3.1
Dividend Yield (%)	-	-	0.2	0.2
Source: Company Data, PL Rese	earch			

Quarterly Financials (Rs m)

Y/e Mar	Q1FY22	Q2FY22	Q3FY22	Q4FY22
Net Revenue	8,598	9,403	9,596	9,407
YoY gr. (%)	118.5	56.5	27.9	12.3
Raw Material Expenses	2,154	2,375	2,364	2,199
Gross Profit	6,444	7,028	7,233	7,208
Margin (%)	74.9	74.7	75.4	76.6
EBITDA	1,337	1,689	1,750	1,751
YoY gr. (%)	(246.9)	531.1	66.8	23.8
Margin (%)	15.5	18.0	18.2	18.6
Depreciation / Depletion	447	459	461	468
EBIT	890	1,230	1,289	1,283
Margin (%)	10.3	13.1	13.4	13.6
Net Interest	171	167	163	163
Other Income	67	121	69	98
Profit before Tax	786	1,185	1,195	1,218
Margin (%)	9.1	12.6	12.4	13.0
Total Tax	9	168	196	503
Effective tax rate (%)	1.1	14.2	16.4	41.3
Profit after Tax	777	1,016	998	715
Minority interest	-	-	-	-
Share Profit from Associates	(15)	(23)	(23)	(26)
Adjusted PAT	762	993	975	690
YoY gr. (%)	(163.6)	(3,004.6)	138.7	1.3
Margin (%)	8.9	10.6	10.2	7.3
Extra Ord. Income / (Exp)	-	-	-	-
Reported PAT	762	993	975	690
YoY gr. (%)	(163.6)	(3,004.6)	138.7	1.3
Margin (%)	8.9	10.6	10.2	7.3
Other Comprehensive Income	-	-	-	-
Total Comprehensive Income	762	993	975	690
Avg. Shares O/s (m)	204	204	204	204
EPS (Rs)	3.7	4.9	4.8	3.4

Key Operating Metrics

Y/e Mar	FY21	FY22	FY23E	FY24E
Flagship hospitals	8,500	13,725	15,377	16,204
Other mature hospitals	8,016	9,464	10,492	11,531
Cayman Island	5,118	6,965	6,900	8,883
New hospitals	2,420	3,510	4,347	5,023
Others	1,035	1,382	1,495	1,619

Source: Company Data, PL Research

Narayana Hrudayalaya

Narayana Hrudayalaya

Price Chart



Recommendation History				
No.	Date	Rating	TP (Rs.)	Share Price (Rs.)
1	08-Apr-22	BUY	773	733
2	03-Mar-22	BUY	774	668

Analyst Coverage Universe

Sr. No.	Company Name	Rating	TP (Rs)	Share Price (Rs)
1	Apollo Hospitals Enterprise	BUY	5,772	4,537
2	Aster DM Healthcare	BUY	234	193
3	Aurobindo Pharma	Accumulate	759	699
4	Cipla	BUY	1,085	926
5	Divi's Laboratories	Accumulate	4,750	4,448
6	Dr. Reddy's Laboratories	BUY	4,900	3,929
7	Eris Lifesciences	BUY	850	670
8	Fortis Healthcare	BUY	362	271
9	Glenmark Pharmaceuticals	Accumulate	550	477
10	HealthCare Global Enterprises	BUY	316	292
11	Indoco Remedies	BUY	430	350
12	Ipca Laboratories	BUY	1,180	1,002
13	Krishna Institute of Medical Sciences	BUY	1,638	1,262
14	Lupin	Hold	600	635
15	Max Healthcare Institute	BUY	427	355
16	Narayana Hrudayalaya	BUY	773	733
17	Sun Pharmaceutical Industries	BUY	1,050	931
18	Torrent Pharmaceuticals	BUY	3,560	2,753
19	Zydus Lifesciences	BUY	450	357

PL's Recommendation Nomenclature (Absolute Performance)

Buy Accumulate Hold Reduce Sell Not Rated (NR)	::	 > 15% 5% to 15% +5% to -5% -5% to -15% < -15% No specific call on the stock
Not Rated (NR) Under Review (UR)		No specific call on the stock Rating likely to change shortly

ANALYST CERTIFICATION

(Indian Clients)

We/l, Mr. Param Desai- MBA Finance, Ms. Sanketa Kohale- MBA Finance Research Analysts, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report.

(US Clients)

The research analysts, with respect to each issuer and its securities covered by them in this research report, certify that: All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is or will be directly related to the specific recommendation or views expressed in this research report.

DISCLAIMER

Indian Clients

Prabhudas Lilladher Pvt. Ltd, Mumbai, India (hereinafter referred to as "PL") is engaged in the business of Stock Broking, Portfolio Manager, Depository Participant and distribution for third party financial products. PL is a subsidiary of Prabhudas Lilladher Advisory Services Pvt Ltd. which has its various subsidiaries engaged in business of commodity broking, investment banking, financial services (margin funding) and distribution of third party financial/other products, details in respect of which are available at www.plindia.com.

This document has been prepared by the Research Division of PL and is meant for use by the recipient only as information and is not for circulation. This document is not to be reported or copied or made available to others without prior permission of PL. It should not be considered or taken as an offer to sell or a solicitation to buy or sell any security.

The information contained in this report has been obtained from sources that are considered to be reliable. However, PL has not independently verified the accuracy or completeness of the same. Neither PL nor any of its affiliates, its directors or its employees accepts any responsibility of whatsoever nature for the information, statements and opinion given, made available or expressed herein or for any omission therein.

Recipients of this report should be aware that past performance is not necessarily a guide to future performance and value of investments can go down as well. The suitability or otherwise of any investments will depend upon the recipient's particular circumstances and, in case of doubt, advice should be sought from an independent expert/advisor.

Either PL or its affiliates or its directors or its employees or its representatives or its clients or their relatives may have position(s), make market, act as principal or engage in transactions of securities of companies referred to in this report and they may have used the research material prior to publication.

PL may from time to time solicit or perform investment banking or other services for any company mentioned in this document.

PL is a registered with SEBI under the SEBI (Research Analysts) Regulation, 2014 and having registration number INH000000271.

PL submits that no material disciplinary action has been taken on us by any Regulatory Authority impacting Equity Research Analysis activities.

PL or its research analysts or its associates or his relatives do not have any financial interest in the subject company.

PL or its research analysts or its associates or his relatives do not have actual/beneficial ownership of one per cent or more securities of the subject company at the end of the month immediately preceding the date of publication of the research report.

PL or its research analysts or its associates or his relatives do not have any material conflict of interest at the time of publication of the research report.

PL or its associates might have received compensation from the subject company in the past twelve months

PL or its associates might have managed or co-managed public offering of securities for the subject company in the past twelve months or mandated by the subject company for any other assignment in the past twelve months.

PL or its associates might have received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months.

PL or its associates might have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past twelve months

PL or its associates might have received any compensation or other benefits from the subject company or third party in connection with the research report.

PL encourages independence in research report preparation and strives to minimize conflict in preparation of research report. PL or its analysts did not receive any compensation or other benefits from the subject Company or third party in connection with the preparation of the research report. PL or its Research Analysts do not have any material conflict of interest at the time of publication of this report.

It is confirmed that Mr. Param Desai- MBA Finance, Ms. Sanketa Kohale- MBA Finance Research Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months

Compensation of our Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

The Research analysts for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

The research analysts for this report has not served as an officer, director or employee of the subject company PL or its research analysts have not engaged in market making activity for the subject company

Our sales people, traders, and other professionals or affiliates may provide oral or written market commentary or trading strategies to our clients that reflect opinions that are contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that are inconsistent with the recommendations expressed herein. In reviewing these materials, you should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest.

PL and its associates, their directors and employees may (a) from time to time, have a long or short position in, and buy or sell the securities of the subject company or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the subject company or act as an advisor or lender/borrower to the subject company or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.

US Clients

This research report is a product of Prabhudas Lilladher Pvt. Ltd., which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by Prabhudas Lilladher Pvt. Ltd. only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, Prabhudas Lilladher Pvt. Ltd. has entered into an agreement with a U.S. registered broker-dealer, Marco Polo Securities Inc. ("Marco Polo").

Transactions in securities discussed in this research report should be effected through Marco Polo or another U.S. registered broker dealer.

Prabhudas Lilladher Pvt. Ltd.

3rd Floor, Sadhana House, 570, P. B. Marg, Worli, Mumbai-400 018, India | Tel: (91 22) 6632 2222 Fax: (91 22) 6632 2209 www.plindia.com