August 09, 2024 **RESULT REPORT Q1 FY25** | Sector: Building Materials

Astral Ltd

Robust growth in pipes to continue, new segments to ramp-up gradually; maintain NEUTRAL!

Result Synopsis

Astral Ltd reported decent revenue growth of 8%YoY. Plastic pipes biz volumes grew by strong 16%YoY (2-year CAGR stood at 24%), ASP contracted marginally to Rs177/Kg due to change in product-mix. Hence revenue stood at Rs9.87Bn (in-line with our est), a growth of 7%YoY. EBITDA/Kg came in at Rs33.3 which was marginally lower Vs our est. of Rs34/Kg. Adhesives and Paints revenue stood at Rs3.7Bn, a growth of 7%YoY & margins for this segment came in at 12% Vs 14% in Q1FY24. Bathware biz revenue stood at Rs262Mn for Q1FY25 Vs Rs242Mn in previous quarter. Though company registered decade-high GP margins at 40.5%, operating margins were lower due to higher employee cost and elevated promotional spends during the quarter. ASTRAL launched "ASTRAL PAINTS" in Gujarat & Karnataka in the last week of Jun'24 and will continue to grow it in phased manner; company aims to launch paints in Rajasthan and Maharashtra in coming quarters. For adhesives, India biz revenue grew by 14%YoY, but UK revenue declined by 5%YoY. In Q1FY25, company commenced operations at its Guwahati plant. Trial production has begun at Hyderabad plant and commercial production is expected to start in Q2FY25E.

Management maintained their guidance of 15%+ volume growth with gross margin in the range of 36-40%. EBITDA margin guidance of 16-18% for plumbing and 14-16% margins for adhesives India operations. For UK operations, management aims to grow by 8-10%YoY with EBITDA margins of 7-8%. For bathware biz, company expects to achieve a turnover of Rs1-1.25Bn in FY25E.

We continue to remain positive on ASTRALs growth owing to favorable industry tailwinds and company's up-coming brownfield expansions which will accelerate growth in pipes segment. Hence, we expect volume growth of 20%CAGR over FY24-FY26E. For paints and bathware segment, we expect a gradual ramp-up going ahead. In Adhesives, we expect top-line growth of 15%CAGR with EBITDA margins of 14%/15% for FY25E/FY26E respectively. At CMP, the stock trades at P/E(x) of 61.3x on FY26E EPS of Rs33.1 and we believe these premium multiples will sustain for the company. Hence, we continue to value ASTRAL LTD at P/E(x) of 65x on FY26E EPS and maintain our NEUTRAL rating on the stock.

Result Highlights

- Revenue stood at Rs13.84Bn, a growth of 8%YoY (in line with our est; 7% below consensus est).
- GP margins expanded to 40.5% (decade high) Vs 37.3%/39.8% in Q1FY24/Q4FY24 respectively. But EBITDA margin expansion was restricted & the same came in at 15.5% (Vs est of 16.9%) due to higher employee cost owing to recruitment at new plant and launching new verticals in new geographies coupled with higher other cost driven by additional advertisement spend of Rs200Mn.

Exhibit 1: Actual vs estimates

Rs mn	n Actual		Estimate		% Variation		
	Actual	YES Sec	Consensus	YES Sec	Consensus	Remarks	
Sales	13,836	13,913	14,918	(0.6)	(7.3)	- ·	
EBITDA	2,144	2,344	2,502	(8.6)	(14.3)	Revenue in- line with	
EBITDA Margin (%)	15.5	16.9	16.8	-136 bps	-128 bps	estimates but miss on profitability.	
Adjusted PAT	1,195	1,355	1,519	(11.8)	(21.3)	prontability.	

Source: Company, YES Sec



Reco	:	NEUTRAL
СМР	:	Rs 2,031
Target Price	:	Rs 2,153
Potential Return	:	+6.0%

Stock data (as on Aug 9, 2024)

Nifty	24,368
52 Week h/l (Rs)	2,454 / 1740
Market cap (Rs/USD mn)	559,335 / 6,664
Outstanding Shares (mn)	269
6m Avg t/o (Rs mn):	1,238
Div yield (%):	0.1
Bloomberg code:	ASTRA IN
NSE code:	ASTRAL

Stock performance



Promoter	54.1%
FII+DII	34.9%
Others	11.0%

(1-Yr)	New	Old
Rating	NEUTRAL	NEUTRAL
Target Price	2,153	2,164

Δ in earnings estimates	mates	
	FY25E	FY26E
EPS (New)	26.9	33.1
EPS (Old)	27.2	33.3
% change	-1.3%	-0.5%

Financial Summary

Financial Sum	lial y		
(Rs mn)	FY24	FY25E	FY26E
Net Revenue	56,414	68,425	82,793
YoY Growth	9.4	21.3	21.0
EBIDTA	9,183	11,855	14,271
EBIDTA (%)	16.3	17.3	17.2
PAT	5,456	7,225	8,911
YoY Growth	18.7	32.4	23.3
ROE	17.5	20.1	20.5
EPS	20.3	26.9	33.1
P/E	103.6	75.6	61.3
BV/Share	121.5	146.4	177.5
P/BV	17.3	13.9	11.4



SHALIN DAMANI, Associate



- Absolute EBITDA stood at Rs2.14Bn, a growth of 6%YoY (8.6% below our est; 14% below consensus est).
- Net profit Rs1.19Bn, remaining flattish on YoY basis (12% below our est; 21% below consensus est).

Segmental Highlights for Q1FY25

- Plastic pipes volumes stood at 55,810Te, a growth of 16%YoY (2-year CAGR stood at 24%). ASP came in at Rs177 Vs Rs193/Rs180 in Q1FY24/Q4FY24 respectively. EBITDA/Kg stood at Rs33.3 (assuming Rs40Mn loss in bathware biz) as compared to Rs35/Rs38 in Q1FY24/Q4FY24 respectively.
- Bathware revenue stood at Rs262Mn, growth of 90%YoY.
- Adhesives and paints revenue stood at Rs3.70Bn, a growth of 7%YoY. EBITDA margins came in at 12% Vs 14%/13% in Q1FY24/Q4FY24 respectively.

Exhibit 2: Quarterly Snapshot:

Rs mn	Q4 FY23	Q1 FY24	Q2 FY24	Q3 FY24	Q4 FY24	Q1 FY25	% yoy	% qoq
Revenue	15,062	12,831	13,630	13,702	16,251	13,836	7.8	(14.9)
Expenditure	11,973	10,815	11,429	11,651	13,336	11,692	8.1	(12.3)
- RM	9,281	8,050	8,328	8,425	9,787	8,226	2.2	(15.9)
- Staff Cost	862	996	1,053	1,141	1,194	1,267	27.2	6.1
- Other Cost	1,830	1,769	2,048	2,085	2,355	2,199	24.3	(6.6)
Operating Profit	3,089	2,016	2,201	2,051	2,915	2,144	6.3	(26.4)
OPM(%)	20.5	15.7	16.1	15.0	17.9	15.5	-22 bps	-244 bps
Other Income	66	121	134	64	102	119	(1.7)	16.7
Depreciation	445	463	487	501	525	556	20.1	5.9
Interest	33	58	80	75	78	76	31.0	(2.6)
PBT	2,644	1,616	1,768	1,539	2,413	1,631	0.9	(32.4)
Тах	654	423	451	406	600	436	3.1	(27.3)
PAT	1,990	1,193	1,317	1,133	1,813	1,195	0.2	(34.1)
OCI	110	29	(34)	58	(23)	5	(82.8)	(121.7)
Reported PAT	2,100	1,222	1,283	1,191	1,790	1,200	(1.8)	(33.0)

Source: Company, YES Sec

Exhibit 3: Operational Numbers:

Particulars	Q4 FY23	Q1 FY24	Q2 FY24	Q3 FY24	Q4 FY24	Q1 FY25	% уоу	% qoq
Plumbing								
Volume (Te)	54,438	47,950	52,079	52,734	66,827	55,810	16.4	(16.5)
Revenue	11,235	9,245	9,804	9,981	12,252	10,132	9.6	(17.3)
Realisation (Rs/Kg)	206	193	185	185	180	177	(8.3)	(1.6)
EBITDA	2,596	1,687	1,768	1,649	2,502	1,817	7.7	(27.4)
EBITDA (Rs/Kg)	48	35	34	31	37	33	(7.5)	(13.0)
Adhesives								
Revenue	3,827	3,448	3,826	3,721	3,999	3,704	7.4	(7.4)
EBITDA	579	484	567	466	514	446	(7.9)	(13.2)
EBITDA (%)	15.1	14.0	14.8	12.5	12.9	12.0	-200 bps	-81 bps

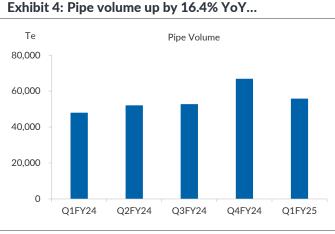
Source: Company, YES Sec



KEY CON-CALL HIGHLIGHTS

- Management maintains their guidance for 15%+ volume growth with gross margin in the range of 36-40%. EBITDA margin guidance of 16-18% for plumbing and 14-16% for adhesives for India operations.
- PVC prices have been extremely volatile in the range of 10-20% Vs 1.3% pre-COVID. The prices increased sharply in June and pass on was expected in July but in July prices fell. Hence, there was no price passed on to customers.
- BIS & ADD for PVC is expected to be implemented in Q3FY25E that may support PVC prices.
- Pipes capacity is 334,000Te for Q1FY25 and there are multiple brownfield expansions underway. In Q1FY25, company commenced operations at its Guwahati plant. Trial production has commenced at company's Hyderabad plant and commercial production is expected to start in Q2FY25E. Dholka plant is expected to commence by Oct'24. Phase-I of the fittings plant that has 22 injection mouldings installed is expected to commence by Sep'24. Phase-II will add another 22 injection mouldings.
- India adhesive biz has grown at 14%YoY, much faster than the industry. Gross margin for Q1FY25 was 45% Vs 43% in Q1FY24. Company expects a 15-20% growth with 15-16% margin for FY25E.
- UK adhesive biz registered a degrowth of 5%YoY from Rs940Mn in Q1FY24 to Rs890Mn in Q1FY25 and EBIDA margin declined from 8% in Q1FY24 to 2.5% in Q1FY25. For FY25E, company expects to register an 8-10% growth with 7-8% EBITDA margin.
- Company launched paints in Gujarat & Karnataka in Q1FY25 and plans to add Rajasthan & Maharashtra in the upcoming quarters. Company expects 15-20%YoY growth for paints with ~10% margin for FY25E.
- Company has not yet achieved breakeven in the bathware biz. Revenue for FY25E is expected to be Rs1-1.25Bn. No capex incurred in the bathware biz since sanitaryware is fully outsourced and for faucets company acquired a fully functional plant in Jamnagar.
- 50-60% retailers from the plumbing segment sell bathware and only a few contractor customers sell paints otherwise there is no overlap from a distribution standpoint.
- Company has entered the O-PVC segment with an initial in-house capacity of 7-8,000Te. The machine for the same should be delivered by Oct'24 and company expects to start production by Q3FY25E.
- There are no inventory losses for the company.
- Company is a part of Nal Se Jal initiative, but it is not very sizable since it sells to limited contractors at company's price, terms, and quality.

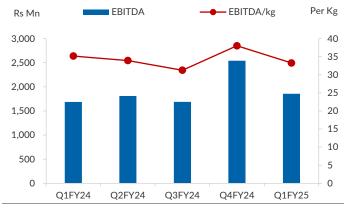




QUARTERLY TRENDS

Source: Company, YES Sec

Exhibit 6: EBITDA/kg came in at Rs33.3...



Source: Company, YES Sec

Exhibit 8: Adhesive margin stood at 12%...

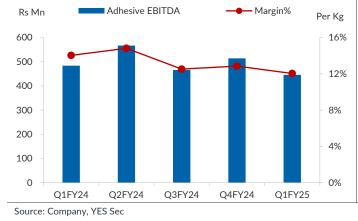
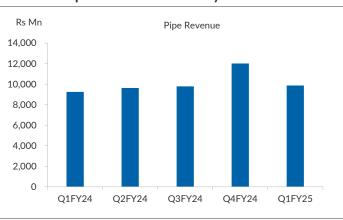
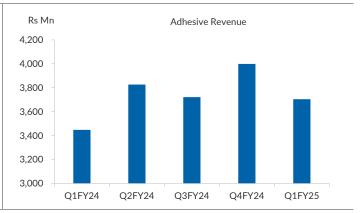


Exhibit 5: Pipe revenue increased by 7%YoY...



Source: Company, YES Sec

Exhibit 7: Adhesive revenue was up 7.4%YoY...



Source: Company, YES Sec

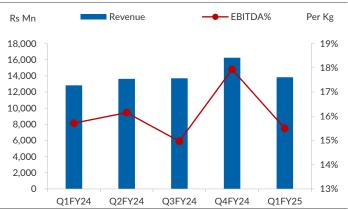


Exhibit 9: Blended margin came in at 15.5%...

Source: Company, YES Sec



FINANCIALS

Exhibit 10: Income Statement

Y/e 31 Mar (Rs mn)	FY22	FY23	FY24	FY25E	FY26E
Sales	43,940	51,585	56,414	68,425	82,793
COGS	29,280	34,347	34,590	42,412	52,666
COGS %sales	66.6%	66.6%	61.3%	62.0%	63.6%
GP	14,660	17,238	21,824	26,013	30,127
GP%	33.4%	33.4%	38.7%	38.0%	36.4%
EBITDA	7,553	8,099	9,183	11,855	14,271
EBITDA%	17.2%	15.7%	16.3%	17.3%	17.2%
Depreciation	1,269	1,781	1,976	2,334	2,560
Finance Cost	129	400	291	323	323
Other Income	349	267	421	516	593
PBT	6,485	6,152	7,336	9,714	11,981
Тах	1,581	1,557	1,880	2,490	3,070
PAT	4,904	4,595	5,456	7,225	8,911
PAT%	11.2%	8.9%	9.7%	10.6%	10.8%

Source: Company, YES Sec

Exhibit 11: Balance Sheet

Y/e 31 Mar (Rs mn)	FY22	FY23	FY24	FY25E	FY26E
Share Capital	201	269	269	269	269
Reserves	23,165	26,843	31,612	38,299	46,672
Equity	23,644	29,589	32,685	39,372	47,745
Non-current Liab	819	805	1,082	1,082	1,082
Payables	7,484	8,000	8,719	10,691	13,275
Provisions	18	26	8	8	8
Other current Liab	556	647	827	827	827
Total Equity & Liab	33,872	43,731	44,979	53,638	64,595
Gross Block	17,053	21,185	26,884	29,884	32,384
Acc Dep	5,481	7,262	9,238	11,572	14,131
Net Block	11,572	13,923	17,646	18,312	18,253
CWIP	1,232	1,261	1,506	1,506	1,506
Other Noncurrent Assets	135	135	329	329	329
Inventory	7,334	8,746	9,134	11,199	13,907
Receivables	2,691	3,545	3,758	4,558	5,515
Cash & Bank	6,418	6,821	6,096	11,223	18,575
Loans	4	206	6	6	6
Other Current Assets	540	947	686	686	686
Total Assets	33,872	43,731	44,979	53,638	64,595

Source: Company, YES Sec



Exhibit 12: Cash Flow

Y/e 31 Mar (Rs mn)	FY22	FY23	FY24	FY25E	FY26E
PBT	6,485	6,152	7,336	9,714	11,981
Depreciation & Amortization	1,269	1,781	1,976	2,334	2,560
Finance cost	129	400	291	323	323
(Incr)/Decr in Working Capital	(705)	(1,026)	500	(894)	(1,080)
Taxes	(1,678)	(1,654)	(1,772)	(2,490)	(3,070)
Cash from ops.	5,431	5,569	8,233	8,988	10,713
(Incr)/ Decr in PP&E	(3,460)	(3,110)	(5,539)	(3,000)	(2,500)
Cash Flow from Investing	715	(4,797)	(5,410)	(3,000)	(2,500)
(Decr)/Incr in Borrowings	(19)	(266)	84	-	-
Finance cost	(123)	(366)	(267)	(323)	(323)
Cash Flow from Financing	(440)	(1,906)	(2,018)	(861)	(861)
Incr/(Decr) in cash	5,706	(1,134)	805	5,127	7,352
Cash and cash equivalents at beginning of year	707	6,429	5,295	6,096	11,223
Cash and cash equivalents at end of year	6,413	5,295	6,100	11,223	18,575

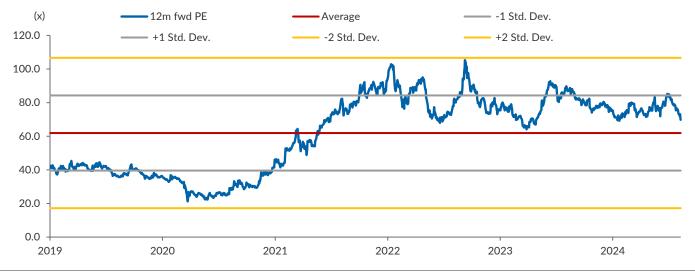
Source: Company, YES Sec

Exhibit 13: Ratios

Key Ratios	FY22	FY23	FY24	FY25E	FY26E
Growth Matrix (%)					
Revenue growth	38.3%	17.4%	9.4%	21.3%	21.0%
EBITDA growth	17.2%	7.2%	13.4%	29.1%	20.4%
EBIT growth	19.9%	-0.7%	15.8%	31.6%	22.6%
PAT growth	20.1%	-6.3%	18.7%	32.4%	23.3%
Profitability ratios (%)					
GP margin	33.4%	33.4%	38.7%	38.0%	36.4%
EBITDA margin	17.2%	15.7%	16.3%	17.3%	17.2%
EBIT margin	15.1%	12.8%	13.5%	14.7%	14.9%
PAT margin	11.2%	8.9%	9.7%	10.6%	10.8%
RoCE	29.9%	24.0%	23.8%	27.0%	27.6%
RoE	22.9%	17.3%	17.5%	20.1%	20.5%
Per share values					
EPS	18.2	17.1	20.3	26.9	33.1
CEPS	22.9	23.7	27.6	35.5	42.6
BVPS	87.9	110.0	121.5	146.4	177.5
Valuation ratios (x)					
P/E	81.5	78.3	103.6	75.6	61.3
P/CEPS	64.7	56.4	76.1	57.2	47.6
P/B	16.9	12.2	17.3	13.9	11.4
EV/EBITDA	52.2	43.7	61.0	45.2	37.1
Leverage ratios (x)					
Debt/ Equity	0.0	0.0	0.0	0.0	0.0
Net debt/Equity	(0.2)	(0.2)	(0.2)	(0.3)	(0.4
Net debt/EBITDA	(0.7)	(0.7)	(0.6)	(0.9)	(1.2)
Int coverage	51.4	16.5	26.2	31.1	38.1
NWC days					
Receivables	22	25	24	24	24
Inventory	91	93	96	96	96
Payables	93	85	92	92	92

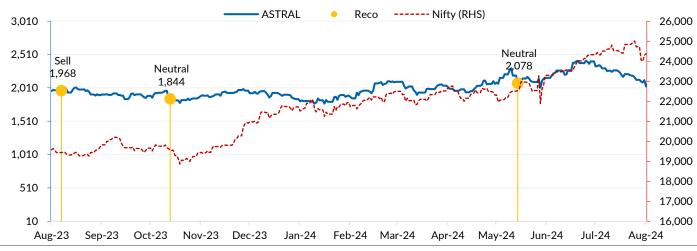


Exhibit 14: 1-year forward P/E (x) chart



Source: YES Sec

Recommendation Tracker



Source: YES Sec



STANDARD DISCLAIMER:

YES Securities (India) Limited, Registered Address: 2nd Floor, North Side, YES BANK House, Off Western Express Highway, Santacruz East, Mumbai - 400055. Maharashtra, India | Correspondence Add: 7th Floor, Urmi Estate Tower A, Ganpatrao Kadam Marg, Opp. Peninsula Business Park, Lower Parel (West), Mumbai - 400 013, Maharashtra, India. | Website: www.yesinvest.in | Email: customer.service@ysil.in

Registration Nos.: CIN: U74992MH2013PLC240971 | SEBI Registration No.: NSE, BSE, MCX & NCDEX : INZ000185632 | Member Code: BSE - 6538, NSE - 14914, MCX - 56355 & NCDEX - 1289 | CDSL & NSDL: IN-DP-653-2021 | RESEARCH ANALYST: INH000002376 | INVESTMENT ADVISER: INA000007331 | Sponsor and Investment Manager to YSL Alternates Alpha Plus Fund (Cat III AIF) and YES Wealth Maximiser AIF (Cat III AIF) SEBI Registration No.: IN/AIF3/20- 21/0818 | AMFI ARN Code - 94338

Details of Compliance Officer: Aditya Goenka | Email: compliance@ysil.in / Contact No.: 022-65078127 | Grievances Redressal Cell: customer.service@ysil.in / igc@ysil.in

Standard Disclaimer: Investment in securities market are subject to market risks; read all the related documents carefully before investing. Above representation provides an overview related to our past performance neither does it provide any guarantee of future performance, nor we are ensuring any guaranteed returns. Actual Client returns may vary depending upon time premium, volatility Index, intrinsic value of the script, open interest, other geopolitical conditions and choice of the customer to execute the recommendation in full or part. All recommendations are published under Research Analyst License of YES Securities (India) Limited (YSIL); execution of the recommendation is at complete discretion of customer without any intervention by the research publisher.

Contents which are exclusively for Non-Broking Products/Services e.g. Mutual Fund, Mutual Fund-SIP, Research reports, Insurance, etc. where the YSIL is just a distributor. These are not Exchange traded product and the YSIL is just acting as distributor. Kindly note that all disputes with respect to the distribution activity, would not have access to Exchange investor redressal forum or Arbitration mechanism.

YSIL is a wholly owned subsidiary of YES Bank Limited. Savings, Current, PIS and Demat Account are offered by YES Bank Limited. Please note Brokerage would not exceed the SEBI prescribed limit. YSIL also acts in the capacity of distributor for Products such as IPOs, Mutual Funds, Mutual Fund-SIPs, NCD/Bonds, etc., All disputes with respect to the distribution activity, would not have access to Exchange investor redressal forum or Arbitration mechanism.

Margin Trading Funding (MTF) is an exchange approved product offered to YSIL trading account holders, as per the regulation and guideline of SEBI Circular: CIR/MRD/DP/54/2017 dated June 13, 2017. For product specification, T&C, rights and obligations statement issued by the YSIL visit https://yesinvest.in/standard_documents_policies

DISCLAIMER

Investments in securities market are subject to market risks, read all the related documents carefully before investing.

The information and opinions in this report have been prepared by YSIL and are subject to change without any notice. The report and information contained herein are strictly confidential and meant solely for the intended recipient and may not be altered in any way, transmitted to, copied or redistributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of YSIL.

The information and opinions contained in the research report have been compiled or arrived at from sources believed to be reliable and have not been independently verified and no guarantee, representation of warranty, express or implied, is made as to their accuracy, completeness, authenticity or validity. No information or opinions expressed constitute an offer, or an invitation to make an offer, to buy or sell any securities or any derivative instruments related to such securities. Investments in securities are subject to market risk. The value and return on investment may vary because of changes in interest rates, foreign exchange rates or any other reason. Investors should note that Price of each of the securities or value may rise or fall and, accordingly, investors may even receive amounts which are less than originally invested. The investor is advised to take into consideration all risk factors including their own financial condition, suitability to risk return profile and the like, and take independent professional and/or tax advice before investing. Opinions expressed are our current opinions as of the date appearing on this report. Investor should understand that statements regarding future prospects may not materialize and are of general nature which may not be specifically suitable to any particular investor. Past performance may not necessarily be an indicator of future performance. Actual results may differ materially from those set forth in projections. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. YES Securities (India) Limited conforms with the rules and regulations enumerated in the Securities and Exchange Board of India (Research Analysts) Regulations, 2014 as amended from time to time.

Technical analysis reports focus on studying the price movement and trading turnover charts of securities or its derivatives, as opposed to focussing on a company's fundamentals and opinions, as such, may not match with reports published on a company's fundamentals.

YSIL, its research analysts, directors, officers, employees and associates accept no liabilities for any loss or damage of any kind arising out of the use of this report. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject YSIL and associates to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction.



YES Securities (India) Limited distributes research and engages in other approved or allowable activities with respect to U.S. Institutional Investors through Rule 15a-6 under the Securities Exchange Act of 1934 (the "Exchange Act")^[1] and regulations under an exclusive chaperone arrangement with Brasil Plural Securities LLC. The views and sentiments expressed in this research report and any findings thereof accurately reflect YES Securities (India) Limited analyst's truthful views about the subject securities and or issuers discussed herein. YES Securities (India) Limited is not registered as a broker-dealer under the Securities Exchange Act of 1934, as amended (the "Exchange Act") and is not a member of the Securities Investor Protection Corporation ("SIPC"). Brasil Plural Securities LLC is registered as a broker-dealer under the Exchange Act and is a member of SIPC. For questions or additional information, please contact Gil Aikins (gil.aikins@brasilplural.com) or call +1 212 388 5600.

This research report is the product of YES Securities (India) Limited. YES Securities (India) Limited is the employer of the research analyst(s), the authors of this research report. YES Securities (India) Limited is the concerned representatives (employees) of YES Securities (India) Limited, are responsible for the content of this research report including but not limited to any material conflict of interest of YES Securities (India) Limited in relation the issuer(s) or securities as listed in this research report. This YES Securities (India) Limited research report is distributed in the United States through Brasil Plural Securities LLC (BPS). The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and is/ 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 regulated to statisfy 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. As per SEC Rule 15a-6, the U.S. broker-dealer must accompany any third party research report it distributes with, or provide a web address that directs a recipient to, disclosure of any material conflict of interest that can reasonably be expected to have influenced the choice of a third-party research report provider or the subject company of a third-party research.

FINRA Rules 2241 and 2242, which govern the conduct of research analysts and the content of equity and debt research reports, respectively, apply to all research distributed by a FINRA member firm, including research prepared by a foreign broker-dealer under Rule 15a-6.

- Research reports prepared by a foreign broker-dealer and distributed by a U.S. broker-dealer are deemed to be third party
 research reports, as reports produced by a person other than a FINRA member.
- Prior to distributing any third party research, a U.S. broker-dealer must assure that such report contains the required disclosures under FINRA Rule 2241(h) or 2242(g)(3), as applicable.

This report is intended for distribution by YES Securities (India) Limited 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). As per Rule 15a-6(b)(4) of the Exchange Act, 1934, "Major U.S. institutional investor" means a U.S. institutional investor with assets, or assets under management, in excess of US\$100 million, or a registered investment adviser with assets under management in excess of US\$100 million. 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 or entity. Transactions in securities discussed in this research report should be effected through Brasil Plural Securities LLC (BPS) or another U.S. registered broker dealer/Entity as informed by YES Securities (India) Limited from time to time.

- (a) Effecting unsolicited securities transactions;
- (b) Providing research reports to major U.S. institutional investors, and effecting transactions in the subject securities with or for those investors;
- (c) Soliciting and effecting transactions with or for U.S. institutional investors or major U.S. institutional investors through a "chaperoning broker-dealer"; and
- (d) Soliciting and effecting transactions with or for registered broker-dealers, banks3 acting in a broker or dealer capacity, certain international organizations, foreign persons temporarily present in the U.S., U.S. citizens resident abroad, and foreign branches and agencies of U.S. persons.

In adopting Rule 15a-6, the SEC sought "to facilitate access to foreign markets by U.S. institutional investors through foreign broker-dealers and the research that they provide, consistent with maintaining the safeguards afforded by broker-dealer registration." [Rule 15a-6 Adopting Release at 54 FR 30013; see also Registration Requirements for Foreign Broker-Dealers, Exchange Act Release No. 25801 (June 14, 1988), 53 FR 23645 (June 23, 1988)].

^[1] Rule 15a-6 under the Securities Exchange Act of 1934 provides conditional exemptions from broker-dealer registration for foreign broker-dealers that engage in certain specified activities involving U.S. investors. These activities include:



DISCLOSURE OF INTEREST

Name of the Research Analyst : Udit Gajiwala, Shalin Damani

The analyst hereby certifies that opinion expressed in this research report accurately reflect his or her personal opinion about the subject securities and no part of his or her compensation was, is or will be directly or indirectly related to the specific recommendation and opinion expressed in this research report.

Sr. No.	Particulars	Yes/No
1	Research Analyst or his/her relative's or YSIL's financial interest in the subject company(ies)	No
2	Research Analyst or his/her relative or YSIL's actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of the research report	No
3	Research Analyst or his/her relative or YSIL has any other material conflict of interest at the time of publication of the research report	No
4	Research Analyst has served as an officer, director or employee of the subject company(ies)	No
5	YSIL has received any compensation from the subject company in the past twelve months	No
6	YSIL has received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months	No
7	YSIL has 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	No
8	YSIL has received any compensation or other benefits from the subject company or third party in connection with the research report	No
9	YSIL has managed or co-managed public offering of securities for the subject company in the past twelve months	No
10	Research Analyst or YSIL has been engaged in market making activity for the subject company(ies)	No

Since YSIL and its associates are engaged in various businesses in the financial services industry, they may have financial interest or may have received compensation for investment banking or merchant banking or brokerage services or for any other product or services of whatsoever nature from the subject company(ies) in the past twelve months or associates of YSIL may have managed or co-managed public offering of securities in the past twelve months of the subject company(ies) whose securities are discussed herein.

Associates of YSIL may have actual/beneficial ownership of 1% or more and/or other material conflict of interest in the securities discussed herein.

RECOMMENDATION PARAMETERS FOR FUNDAMENTAL REPORTS

Analysts assign ratings to the stocks according to the expected upside/downside relative to the current market price and the estimated target price. Depending on the expected returns, the recommendations are categorized as mentioned below. The performance horizon is 12 to 18 months unless specified and the target price is defined as the analysts' valuation for a stock. No benchmark is applicable to the ratings mentioned in this report.

BUY: Upside greater than 20% over 12 months

ADD: Upside between 10% to 20% over 12 months

NEUTRAL: Upside between 0% to 10% over 12 months

REDUCE: Downside between 0% to -10% over 12 months

SELL: Downside greater than -10% over 12 months

NOT RATED / UNDER REVIEW

Analyst signature

Analyst signature

ABOUT YES SECURITIES (INDIA) LIMITED

YES Securities (India) Limited ("YSIL") is a wholly owned subsidiary of YES BANK LIMITED. YSIL is a Securities and Exchange Board of India (SEBI) registered Stock broker holding membership of National Stock Exchange (NSE), Bombay Stock Exchange (BSE), Multi Commodity Exchange (MCX) & National Commodity & Derivatives Exchange (NCDEX). YSIL is also a SEBI-registered Category I Merchant Banker, Investment Adviser and Research Analyst. YSIL is also a Sponsor and Investment Manager of Alternate Investment Fund - Category III (YSIL Alternates) and AMFI registered Mutual Fund Distributor. The Company is also a registered Depository Participant with CDSL and NSDL. YSIL offers, inter alia, trading/investment in equity and other financial products along with various value added services. We hereby declare that there are no disciplinary actions taken against YSIL by SEBI/Stock Exchanges.