

Estimate change TP change Rating change

Bloomberg	TRPC IN
Equity Shares (m)	78
M.Cap.(INRb)/(USDb)	70.8 / 0.8
52-Week Range (INR)	1080 / 637
1, 6, 12 Rel. Per (%)	5/-10/13
12M Avg Val (INR M)	62

Financial Snapshot (INR b)

Y/E MARCH	2024	2025E	2026E
Sales	40.2	45.1	52.6
EBITDA	4.1	4.8	5.9
Adj. PAT	3.5	3.9	4.8
EBITDA Margin (%)	10.2	10.8	11.3
Adj. EPS (INR)	45.8	50.9	62.9
EPS Gr. (%)	10.1	11.2	23.4
BV/Sh. (INR)	259.9	307.3	366.7
Ratios			
Net D:E	0.0	0.0	-0.1
RoE (%)	18.7	17.7	18.4
RoCE (%)	18.0	16.9	17.7
Payout (%)	15.4	6.9	5.6
Valuations			
P/E (x)	19.9	17.9	14.5
P/BV (x)	3.5	3.0	2.5
EV/EBITDA(x)	15.9	13.2	10.4
Div. Yield (%)	0.8	0.4	0.4
FCF Yield (%)	0.8	0.9	1.8

Shareholding pattern (%)

As On	Mar-24	Dec-23	Mar-23
Promoter	68.9	68.9	69.0
DII	12.2	12.8	12.2
FII	2.7	2.6	2.8
Others	16.2	15.7	16.0

FII Includes depository receipts

Transport Corporation of India

CMP: INR911 TP: INR1,080 (+19%) Buy

Operational performance in line; lower tax outgo leads to APAT beat

- TRPC's revenue grew 10% YoY to ~INR10.8b in 4QFY24 (in line). The freight and supply chain division clocked ~10%/13% YoY growth in 4QFY24, while the seaways division posted a decline of ~2% YoY.
- EBITDA margin came in at 10.1% in 4Q (down 90bp YoY/up 20bp QoQ) vs. our estimate of 10.6%. Overall margin was impacted by lower seaways margin and freight segment margin. EBITDA was flat YoY at INR1.1b, while APAT grew 23% YoY to ~INR1b (20% above our estimate). The beat in APAT during 4QFY24 was primarily driven by higher other income and a lower tax outgo.
- EBIT margin for freight/supply chain/seaways divisions stood at 3.2%/ 6.4%/26.4% in 4QFY24. EBIT margin for the freight and seaways businesses contracted 100bp and 130bp YoY, respectively, while EBIT margin for the supply chain division was flat YoY.
- During FY24, revenue increased 6% YoY to INR40.2b, EBITDA decreased 3% to INR4.1b, and EBITDA margin stood at 10.2%. APAT increased 10% YoY to INR3.5b.
- During FY24, the freight division revenue stood at ~INR20b (+4% YoY) and EBIT margin at 3.2%; the Supply chain division reported revenue of INR15.3b (+14% YoY) and EBIT margin at 6.5%; and the Seaways division reported revenue of INR 5.5b (-8% YoY) and EBIT margin at 25.1%.
- Operational performance in 4Q was largely in line with our estimates, with continued growth in the supply chain division. Going forward, the freight services segment is expected to gain from the transition to organized sectors, while the supply chain division should continue to grow even in FY25, supported by ongoing growth in the automotive industry. We have marginally increased our estimates for FY26 and reiterate our BUY rating with a revised TP of INR1,080 (based on 17x FY26E EPS).

Supply chain and freight division to witness robust growth; seaways to remain flat due to capacity constraints

- TRPC reported 4% growth in its freight services in FY24, primarily due to competitive pressure in the LTL segment. Going forward, as demand improves, the freight business is expected to witness strong growth, driven by the LTL segment.
- Within the supply chain business, the sustained recovery in automotive demand (~80% of supply chain revenue) is projected to drive growth.
- The seaways segment saw an 8% YoY decline in revenues in FY24 due to lower freight rates and dry dock of several ships. Seaways revenues are expected to remain flat to grow marginally in FY25. The growth in FY26 will be dependent on the adding another ship to its fleet.

Alok Deora - Research analyst (Alok.Deora@MotilalOswal.com)

Saurabh Dugar - Research analyst (Saurabh.Dugar@MotilalOswal.com)

Highlights from the management commentary

- TRPC plans to open 75 new branches for the freight business in FY25, building on the 30 branches added in FY24.
- Growth momentum in the supply chain business remained intact amid mixed uptrends in the automotive sector, retention and expansion of business with existing clients, and new business acquisitions. There was strong traction in multimodal services and the expansion of the hub-and-spoke network for auto finished goods.
- The cold chain sector is experiencing high growth, and the company plans to continue investing in this area.
- TRPC is in the process of acquiring two new ships, with delivery expected in 2-2.5 years. It is also open to purchasing second-hand ships in the near term. The seaways division did not engage in international routes in FY24, and the market for purchasing ships has become tighter due to the Red Sea crisis.
- In FY25, TRPC expects revenue/PAT growth of 10%/15%.
- With a good monsoon and improving economic activity, the management anticipates a better performance in FY25. Margins are expected to improve in FY25, driven by growth in the overall volumes.

Valuation and view

- TRPC is expected to achieve steady growth due to a) increasing proportion of LTL shipments within the freight division (36% in FY24, up from 35% in FY23), and b) the ongoing demand in the automotive sector supporting the supply chain division and the growing benefits from the expansion of multi-modal logistics.
- We have marginally increased our estimates for FY26 and expect TRPC to achieve a CAGR of 14%/20%/17% in revenue/EBITDA/PAT over FY24-FY26. We reiterate our BUY rating on the stock with a revised TP of INR1,080, based on 17x FY26E EPS.

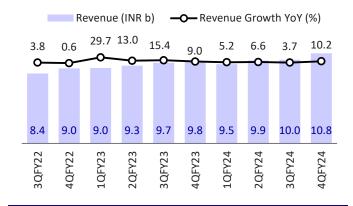
Y/E March (INR m)		FY2	23			FY	24		FY23	FY24	FY24	Var.
, , , ,	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE	vs Est
Net Sales	9,029	9,321	9,667	9,793	9,498	9,935	10,020	10,789	37,826	40,242	10,530	2
YoY Change (%)	29.7	13.0	15.4	9.0	5.2	6.6	3.7	10.2	16.1	6.4	7.5	
EBITDA	1,041	960	1,144	1,081	1,008	1,004	999	1,094	4,240	4,105	1,121	(2)
Margins (%)	11.5	10.3	11.8	11.0	10.6	10.1	10.0	10.1	11.2	10.2	10.6	
YoY Change (%)	37.4	-8.2	4.8	-10.0	-3.1	4.6	-12.7	1.2	3.2	-3.2	3.8	
Depreciation	289	300	314	311	308	311	331	334	1,214	1,284	333	
Interest	23	25	26	24	23	34	35	41	98	133	31	
Other Income	53	74	70	121	85	113	95	165	303	458	85	
PBT before EO expense	782	708	874	867	762	772	728	884	3,231	3,146	842	
Extra-Ord expense	0	0	0	34	0	0	0	24	34	24	0	
PBT	782	708	874	833	762	772	728	860	3,197	3,122	842	
Tax	93	116	110	115	104	96	108	28	434	336	127	
Rate (%)	11.9	16.4	12.6	13.8	13.6	12.4	14.8	3.3	13.6	10.8	15.0	
Minority Interest	-8.4	-6.6	-8.2	-9.3	-9.0	-8.0	-8.0	-12.0	-32.5	-37.0	-5.0	
Profit/Loss of Asso. Cos	98	138	102	106	174	202	182	201	444	759	163	
Reported PAT	778	723	857	814	823	870	794	1,021	3,173	3,508	873	17
Adj PAT	778	723	857	848	823	870	794	1,045	3,207	3,532	873	20
YoY Change (%)	65.9	-4.1	4.4	-0.7	5.8	20.3	-7.4	23.2	10.7	10.1	2.9	
Margins (%)	8.6	7.8	8.9	8.7	8.7	8.8	7.9	9.7	8.5	8.8	8.3	

16 May 2024

MOTILAL OSWAL

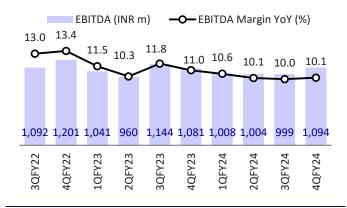
Story in charts - 4QFY24

Exhibit 1: Revenue up 10% YoY



Source: Company, MOFSL

Exhibit 2: EBITDA and margin trends



Source: Company, MOFSL

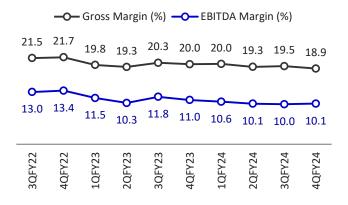
Exhibit 3: APAT increased 20% YoY

9.8 9.5 8.6 7.8 8.9 8.7 8.7 8.8 7.9 9.7

821 854 778 723 857 848 823 870 794 1045

Source: Company, MOFSL

Exhibit 4: Margin contraction led by Freight and Seaways segments



Source: Company, MOFSL

Exhibit 5: Segmental performance

Segment Revenue (INR m) Freight Supply chain Seaways Energy Net segment Revenue Growth YoY (%)	4,633 3,023 1,525 16 9,196	4,693 3,584 1,242	4,826 3,335 1,702	5,046 3,462	4,754 3,630	2QFY24 4,818	3QFY24 4,856	4QFY24
Freight Supply chain Seaways Energy Net segment Revenue	3,023 1,525 16	3,584 1,242	3,335 1,702	3,462	•		4,856	E EE2
Supply chain Seaways Energy Net segment Revenue	3,023 1,525 16	3,584 1,242	3,335 1,702	3,462	•		4,856	E E E 2
Seaways Energy Net segment Revenue	1,525 16	1,242	1,702		3.630		· ·	5,553
Energy Net segment Revenue	16		· ·		3,000	3,907	3,882	3,928
Net segment Revenue		19		1,521	1,254	1,354	1,426	1,492
	9,196		15	11	16	21	7	11
Growth YoY (%)		9,537	9,879	10,040	9,654	10,100	10,171	10,984
• •								
Freight	27.0	13.7	11.6	5.2	2.6	2.7	0.6	10.1
Supply chain	33.6	26.0	19.6	26.1	20.1	9.0	16.4	13.4
Seaways	32.6	-7.5	15.1	-5.3	-17.7	9.0	-16.2	-1.9
Energy	5.3	-9.6	176.4	-7.8	1.3	11.7	-53.9	3.8
Net segment Revenue	30.0	14.4	14.9	9.6	5.0	5.9	3.0	9.4
Revenue Share (%)								
Freight	50	49	49	50	49	48	48	51
Supply chain	33	38	34	34	38	39	38	36
Seaways	17	13	17	15	13	13	14	14
Energy	0	0	0	0	0	0	0	0
Total Revenue Share	100	100	100	100	100	100	100	100
Segment Results (EBIT) - (INR m)								
Freight	162	191	273	214	156	163	149	176
Supply chain	166	226	200	226	229	262	253	250
Seaways	461	304	458	422	366	310	315	394
Energy	8	10	9	3	8	12	0	4
Total Segment Results	797	731	940	865	759	747	717	824
Segmental EBIT Margin (%)								
Freight	3.5	4.1	5.7	4.2	3.3	3.4	3.1	3.2
Supply chain	5.5	6.3	6.0	6.5	6.3	6.7	6.5	6.4
Seaways	30.2	24.5	26.9	27.7	29.2	22.9	22.1	26.4
Energy	50.0	50.5	55.9	32.1	50.0	57.1	0.0	36.4
Total	8.7	7.7	9.5	8.6	7.9	7.4	7.0	7.5



Highlights from the management commentary Industry trend

- All business segments performed relatively well in 4QFY24, with notable growth in the supply chain sector, driven by the automotive industry. Mar'24 saw significant growth across various sectors/industries.
- Steel consumption increased, although cement performance remained flat.
- Major sectors are performing well, though the textile and clothing apparel sector is weak.
- Barring the tractor segment, strong growth is evident across other automotive segments. Significant growth was observed in the electric vehicle (EV) customer segment.
- The cold chain sector is witnessing high growth, and the company plans to continue investing in this area.

Freight segment

- Revenue increased ~10% YoY in 4QFY24, while EBIT margin stood at 3.2% (down 100bp YoY and up 10bp QoQ).
- Revenue remained flat YoY in FY24 as the LTL business did not grow due to competitive pressures.
- The company aims to increase the contribution of the LTL segment to 40% by FY26.

- TRPC plans to open 75 new branches for the freight business in FY25, building on the 30 branches added in FY24.
- The company moved 2,300 rakes across the country in FY24, with ~30% of its business derived from multi-modal operations.

Supply Chain segment

- Revenue increased ~13% YoY in 4QFY24, and EBIT margin stood at 6.4% (down 10bp YoY).
- Growth momentum remained intact amid mixed uptrends in the automotive sector, retention and expansion of business with existing clients, and new business acquisitions. There was strong traction in multimodal services and the expansion of the hub-and-spoke network for auto finished goods.
- Margins remained resilient despite various cost pressures.
- The company has enhanced warehousing space to 150m sq. ft. and is expanding its hub-and-spoke network for automotive finished goods.

Seaways segment

- Revenue decreased ~2% YoY in 4QFY24, and EBIT margin stood at 26.4% (down 130bp YoY). Freight rates for the West Coast remained weak, with an average impact of 22% due to temporary capacity buildup and lower fuel prices.
- The company is in the process of acquiring two new ships, with delivery expected in 2-2.5 years. It is also open to purchasing second-hand ships in the near term.
- The seaways division did not engage in international routes in FY24, and the market for purchasing ships has become tighter due to the Red Sea crisis.
- Growth in the seaways division is expected to be flat in FY25, with a growth trajectory for FY26 dependent on the addition of second-hand ship to the fleet.

Other highlights

- TRPC handled 2,300 rakes across the country in FY24, with ~30% of its business coming from multi-modal operations.
- The cold chain sector is a high-growth area, and TRPC plans to continue investing in this sector.
- JV performance was mixed, with the CONCOR JV performing reasonably well, and the Transystem business showing strong growth due to strong performance of Toyota.
- The company declared a final dividend of INR2/share.

Guidance

- The company's dividend payout policy remains at 15-20% per year, maintained in FY24.
- In FY25, TRPC expects revenue/PAT growth of 10-15%, although 1QFY25 may be weaker due to elections.
- With a good monsoon and easing monetary policy, the management anticipates a better performance in FY25.
- Margins are expected to see marginal improvement in FY25, driven by growth in the supply chain and freight businesses.
- Growth is expected from the auto sector and infrastructure sectors.

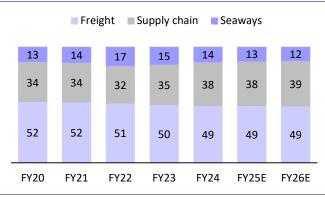
Exhibit 6: Our revised estimates

(INR m)		FY25E			FY26E		
	Rev	Old	Chg(%)	Rev	Old	Chg(%)	
Net Sales	45,082	45,732	-1.4	52,629	52,620	0.0	
EBITDA	4,848	5,087	-4.7	5,922	5,901	0.3	
EBITDA Margin (%)	10.8	11.1	-37	11.3	11.2	4	
PAT	3,927	3,938	-0.3	4,847	4,649	4.3	
EPS (INR)	50.9	51.1	-0.3	62.9	60.3	4.3	

Source: Company, MOFSL

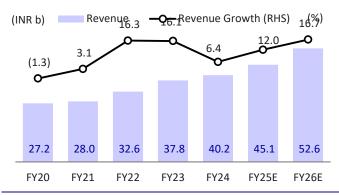
Story in charts

Exhibit 7: Freight and 3PL to dominate



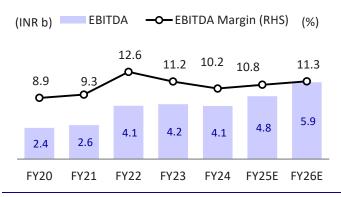
Source: Company, MOFSL

Exhibit 8: Revenue growth to remain strong



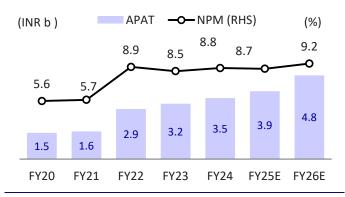
Source: Company, MOFSL

Exhibit 9: Margin to improve gradually



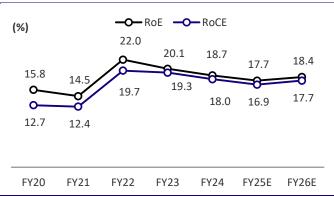
Source: Company, MOFSL

Exhibit 10: Strong operating performance to drive PAT



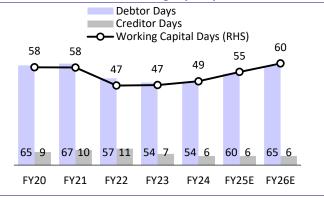
Source: Company, MOFSL

Exhibit 11: Return ratios remained elevated



Source: Company, MOFSL

Exhibit 12: Comfortable working capital position



Source: Company, MOFSL

Financials and valuations

Consolidated Income Statement							
Y/E March (INR m)	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Net Sales	27,178	28,024	32,567	37,826	40,242	45,082	52,629
Change (%)	-1.3	3.1	16.2	16.1	6.4	12.0	16.7
Gross Margin (%)	18.5	18.0	20.9	19.9	19.4	20.3	20.5
EBITDA	2,405	2,612	4,087	4,240	4,105	4,848	5,922
Margin (%)	8.9	9.3	12.6	11.2	10.2	10.8	11.3
Depreciation	825	928	1,130	1,214	1,284	1,471	1,614
EBIT	1,580	1,684	2,957	3,026	2,821	3,377	4,307
Int. and Finance Charges	343	267	128	98	133	140	136
Other Income	201	255	199	303	458	504	554
PBT	1,438	1,672	3,028	3,231	3,146	3,741	4,726
Tax	159	238	377	434	336	524	662
Effective Tax Rate (%)	11.1	14.3	12.4	13.4	10.7	14.0	14.0
PAT before MI, Associates, and EO Items	1,279	1,434	2,652	2,796	2,810	3,217	4,064
Share of profit/(loss) of Associates and JVs	252	201	277	444	759	740	813
Minority Interest	-8	-33	-32	-33	-37	-30	-30
Extraordinary Items	99	131	0	34	24	0	0
Reported PAT	1,424	1,471	2,896	3,173	3,508	3,927	4,847
Adjusted PAT	1,522	1,602	2,896	3,207	3,532	3,927	4,847
Change (%)	4.3	5.2	80.8	10.7	10.1	11.2	23.4
Margin (%)	5.6	5.7	8.9	8.5	8.8	8.7	9.2
Consolidated Balance Sheet							
Y/E March (INR m)	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Equity Share Capital	154	154	155	155	155	155	155
Total Reserves	10,085	11,543	14,148	16,863	19,883	23,540	28,117
Net Worth	10,239	11,697	14,303	17,018	20,038	23,695	28,272
Minority Interest	57	86	274	301	333	333	333
Deferred Tax Liabilities	302	273	276	300	328	328	328
Total Loans	4,186	2,767	1,039	795	1,503	1,453	1,403
Capital Employed	14,784	14,823	15,892	18,414	22,202	25,809	30,336
Gross Block	10,595	10,684	11,646	12,676	15,372	17,372	19,372
Less: Accum. Deprn.	3,111	3,275	4,405	5,471	6,755	8,226	9,840
Net Fixed Assets	7,483	7,409	7,241	7,205	8,617	9,146	9,531
Capital WIP	450	690	846	967	1,090	1,060	1,030
Total Investments	1,354	1,500	1,927	2,859	5,427	5,427	5,427
Curr. Assets, Loans, and Adv.	7,547	7,790	8,257	9,978	9,880	13,331	18,031
Inventory	66	71	85	50	106	124	144
Account Receivables	4,873	5,110	5,083	5,609	6,006	7,411	9,372
Cash and Bank Balances	259	395	745	1,846	956	2,308	4,441
Cash	132	341	679	1,699	831	2,183	4,317
Bank Balance	128	55	66	66	147	147	147
Loans and Advances	268	124	12	12	12	13	16
Others	2,081	2,089	2,333	2,461	2,800	3,476	4,058
Current Liab. and Prov.	2,050	2,565	2,379	2,595	2,812	3,155	3,683
Account Payables	639	759	851	760	657	741	865
Other Current Liabilities	1,309	1,719	1,276	1,552	1,838	2,059	2,404
Provisions	102	86	251	283	317	355	415
Net Current Assets	5,497	5,225	5,878	7,383	7,068	10,176	14,348
Application of Funds	14,784	14,823	15,891	18,414	22,202	25,809	30,336

Financials and valuations

Ratios							
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Basic (INR)							
EPS	19.7	20.8	37.6	41.6	45.8	50.9	62.9
EPS growth (%)	4.3	5.2	80.8	10.7	10.1	11.2	23.4
Cash EPS	30.4	32.8	52.2	57.3	62.5	70.0	83.8
BV/Share	132.8	151.7	185.5	220.7	259.9	307.3	366.7
DPS	2.0	2.5	2.5	7.0	7.0	3.5	3.5
Payout (Incl. Div. Tax, %)	14.1	13.1	6.7	17.0	15.4	6.9	5.6
Valuation (x)							
P/E	46.1	43.8	24.3	21.9	19.9	17.9	14.5
Cash P/E	29.9	27.8	17.4	15.9	14.6	13.0	10.9
EV/EBITDA	30.3	27.2	16.6	15.6	15.9	13.2	10.4
EV/Sales	2.7	2.5	2.1	1.8	1.6	1.4	1.2
P/BV	6.9	6.0	4.9	4.1	3.5	3.0	2.5
Dividend Yield (%)	0.2	0.3	0.3	0.8	0.8	0.4	0.4
Return Ratios (%)							
RoE	15.8	14.5	22.0	20.1	18.7	17.7	18.4
RoCE	12.7	12.4	19.6	19.3	18.0	16.9	17.7
RoIC	11.1	11.6	21.0	21.0	18.3	18.3	20.3
Working Capital Ratios							
Fixed Asset Turnover (x)	2.7	2.6	2.9	3.0	2.9	2.8	2.9
Asset Turnover (x)	1.8	1.9	2.0	2.1	1.8	1.7	1.7
Inventory (Days)	1	1	1	0	1	1	1
Debtors (Days)	65	67	57	54	54	60	65
Creditors (Days)	9	10	10	7	6	6	6
Leverage Ratio (x)							
Net Debt/Equity ratio	0.4	0.2	0.0	-0.1	0.0	0.0	-0.1
Consolidated Cash Flow Statement							
Y/E March (INR m)	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
OP/(Loss) before Tax	1,591	1,743	3,305	3,640	3,881	3,741	4,726
Depreciation	825	928	1,130	1,214	1,285	1,471	1,614
Direct Taxes Paid	-410	52	-494	-186	-389	-524	-662
(Inc.)/Dec. in WC	181	232	-163	-729	-985	-1,712	-2,048
Other Items	242	93	-98	-332	-798	-363	-419
CF from Operations	2,428	3,047	3,680	3,607	2,994	2,613	3,212
(Inc.)/Dec. in FA	-1,321	-1,241	-707	-1,530	-2,417	-1,970	-1,970
Free Cash Flow	1,108	1,807	2,973	2,077	577	643	1,242
Change in Investments	-55	-17	-28	-69	-2,293	0	0
Others	22	196	-27	-333	672	413	492
CF from Investments	-1,353	- 1,062	-76 2	-1,931	-4,038	-1,557	-1,478
Change in Equity	24	40	34	35	35	0	0
Inc./(Dec.) in Debt	-523	-1,419	-2,148	6	848	-50	-50
Dividends Paid	-201	-1,419 -96	-2,148 -410	-543	-549	-270	-270
Others	-343	-302	-410 -56	-543 -153	-549	616	-270 719
CF from Fin. Activity						296	400
Inc./(Dec.) in Cash	-1,044 31	-1,776 209	-2,580 338	-655 1 021	176 -868		
				1,021		1,352	2,133
Opening Balance	101	132	341	679	1,699	831	2,183
Closing Balance	132	341	679	1,699	831	2,183	4,317

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

Explanation of Investment Rating						
Investment Rating	Expected return (over 12-month)					
BUY	>=15%					
SELL	<-10%					
NEUTRAL	< - 10 % to 15%					
UNDER REVIEW	Rating may undergo a change					
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation					

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days the appropriate measures to make the recommendation consistent with the investment rating legend.

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL),NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at https://onlinereports.motilaloswal.com/Dormant/documents/List%/200f%/20Associate%/20companies.pdf

http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf
MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (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 company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com, www.nseindia.com, <a href="www.nseindia.com, <a href="www.nseindia.com<

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets (Singapore) Pte. Ltd. ("MOCMSPL") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL. In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani

Email: nainesh.rajani@motilaloswal.com

Contact: (+65) 8328 0276

Specific Disclosures

- 1 MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 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 company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. 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 MOFSL 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. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

This report is meant for the clients of Motilal Oswal only.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263;

www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance Redressal Cell:

Contact No.	Email ID
022 40548000 / 022 67490600	query@motilaloswal.com
022 40548082	servicehead@motilaloswal.com
022 40548083	am@motilaloswal.com
	022 40548000 / 022 67490600 022 40548082

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products.

Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.