

Escorts Kubota

Estimate changes

TP change

Rating change

Bloomberg	ESC IN
Equity Shares (m)	135
M.Cap.(INRb)/(USDb)	248.3 / 3.3
52-Week Range (INR)	1927 / 1098
1, 6, 12 Rel. Per (%)	1/47/16
12M Avg Val (INR M)	2121

Financials & Valuations (INR b)

Tillaticiais & Valuatio	113 (11411)	•1	
Y/E March	2023	2024E	2025E
Sales	84.3	91.1	100.4
EBITDA	7.8	11.1	13.8
EBITDA Margin (%)	7.4	10.4	12.0
Adj. PAT	6.8	9.2	11.5
EPS (INR)	51.3	75.3	94.1
EPS Gr. (%)	-22.9	46.7	24.9
BV/Sh. (INR)	620	734	819
Ratios			
RoE (%)	8.6	10.7	12.1
RoCE (%)	11.5	14.6	16.4
Payout (%)	14.5	10.6	10.6
Valuations			
P/E (x)	39.9	27.2	21.8
P/BV (x)	3.3	2.8	2.5
EV/EBITDA (x)	31.7	21.3	16.5
Div. Yield (%)	0.3	0.4	0.5
FCF yield (%)	0.1	4.9	4.0

Shareholding pattern (%)

As On	Mar-23	Dec-22	Mar-22
Promoter	72.9	72.9	28.1
DII	8.1	8.5	0.4
FII	6.3	5.6	5.4
Others	12.7	13.0	66.1

FII Includes depository receipts

CMP: INR2,049 TP:INR1,900 (-7%) Neutral

Benefit of lower RM costs aids margin expansion

FY24 industry growth guidance at low-to-mid single digit

- Escorts Kubota (ESC)'s 4QFY23 performance surprised us as better-thanestimated gross margin led to EBITDA beat at INR2.4b (v/s est. INR2.0b). FY24 domestic tractor volumes are likely to post low-to-mid single digit growth, despite weak 1QFY24, due to: a) good MSP prices, b) high water reservoir levels, and c) healthy growth in non-agri tractor sales.
- We raise our FY24E/FY25E EPS by 7.5%/6.6% to factor in margin expansions in all the verticals. Retain Neutral with a TP of INR1,900.

Agri business PBIT margin yet to scale up to FY22 levels

- ESC's revenue grew ~17% YoY to INR21.8b while EBITDA declined 6% YoY to ~INR2.4b with PAT remaining flat YoY in 4QFY23. FY23 revenue grew ~16% YoY while EBITDA/PAT declined 22%/8% YoY.
- Tractor volumes grew ~13% YoY while net realizations remained flat at INR628.9k (est. INR613k). Tractor /construction equipment/ Railways' revenue grew 14.0%/20.5%/ 37.0% YoY.
- Gross margin contracted 1.4pp YoY (+3pp QoQ) to 28.5% (v/s est. 26.0%). Consequently, EBITDA came in at INR2.4b (-6% YoY, est. INR2.0b). EBITDA margin contracted 270bp YoY/+240bp QoQ to 10.8% (est. 9.1%) during the quarter.
- PBIT margin for tractors contracted 5.5pp YoY to 9.9%. Railways margin was at 14.0% (+90bp YoY/QoQ) and CE was at 8.1% (+450bp YoY/+590bp QoQ) in 4QFY23.
- Adj. PAT stood at INR2b (above est.), flat YoY.
- The Board declared a dividend of INR7/share for FY23 similar to FY22.
- FCFF stood at INR336m (v/s negative INR1.4b in FY22) driven by operating cashflow of INR2.2b (v/s INR323m in FY22). Capex stood at INR1.9b in FY23 (v/s INR1.7b in FY22).

Highlights from the management commentary

- FY24 domestic tractor volumes are likely to post low-to-mid single digit growth, despite weak 1QFY24, due to: a) good MSP prices, b) high water reservoir levels, and c) healthy growth in non-agri tractor sales.
- Tractor PBIT margin to reach 14-15% level by 4QFY24 driven by: a) further savings in RM cost, b) mix improvement and c) cost-cutting initiatives. It is expecting further softening of prices for steel, casting and rubber (yet to see the benefit of correction in rubber prices).
- Construction Equipment business is likely to grow 10-12% in FY24, with margins expanding further over FY23 levels led by RM savings and operating leverage.
- Railways business to grow in double digit driven by new products and exports. ESC's Mar'23-end order book stood at INR10.5b. It expects localization benefits on the new products to reflect in P&L only in FY25, driving margin improvement.

Jinesh Gandhi - Research analyst (Jinesh@MotilalOswal.com)

Research analyst: Amber Shukla (Amber.Shukla@MotilalOswal.com) | Aniket Desai (Aniket.Desai@motilaloswal.com)

Valuation and view

■ Near-term demand outlook continues to remain positive led by healthy agri sentiments. This should be further benefitted by lower channel inventory and the company's focus on market share gains. Hence we expect ~7% volume CAGR over FY23-25. However, high base of FY23, uncertain monsoon forecast for CY23 and the impact of implementation of TREM-4 norms for <50HP tractors (likely in FY25) would be the key monitorables. Faster recovery in other businesses and a ramp-up in its partnership with Kubota would partially dilute the cyclical impact of the tractor industry on ESC.

The stock trades at ~27.2x/21.8x consolidated FY24E/25E EPS, at a premium to its 10-year average of ~13.3x, driven by an improvement in operating parameters as well as the Kubota partnership. The valuations are already factoring in positive tractor industry outlook as well as the benefit from Kubota partnership. We raise our FY24E/FY25E EPS by 7.5%/6.6% to factor in margin expansions in all the verticals. Maintain Neutral with a TP of INR1,900 (premised on 20x Mar'25E consolidated EPS).

Standalone Quarterly Performance					(INR m)
	EV22	EV22	EV22	EV22	

Y/E March		FY2	22			FY2	23		FY22	FY23	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE
Net Sales	16,715	16,788	19,575	18,696	20,149	18,835	22,637	21,830	71,969	83,450	21,985
YoY Change (%)	57.4	2.4	-3.0	-15.4	20.5	12.2	15.6	16.8	3.9	16.0	17.6
Total Expenditure	14,383	14,522	16,929	16,181	18,133	17,308	20,733	19,471	62,014	75,645	19,990
EBITDA	2,332	2,267	2,646	2,515	2,016	1,527	1,903	2,358	9,955	7,804	1,995
Margins (%)	14.0	13.5	13.5	13.5	10.0	8.1	8.4	10.8	13.8	9.4	9.1
Depreciation	314	329	325	330	364	365	376	380	1,298	1,484	383
Interest	30	36	33	29	26	23	26	28	127	103	25
Other Income	472	473	400	538	354	776	913	763	1,688	2,806	799
PBT	2,461	2,374	2,688	2,695	1,981	1,187	2,414	2,470	10,219	8,051	2,386
Rate (%)	24.8	25.6	25.0	25.0	25.6	26.1	22.8	24.9	25.1	24.6	25.4
Adj. PAT	1,852	1,767	2,015	2,022	1,475	1,425	1,864	2,039	7,656	6,802	1,779
YoY Change (%)	101.0	-23.1	-28.2	-25.5	-20.4	-19.4	-7.5	0.8	-12.4	-11.2	-12.0
Margins (%)	11.1	10.5	10.3	10.8	7.3	7.6	8.2	9.3	10.6	8.2	8.1

E: MOFSL Estimates

Key Performance Indicators

		FY22				FY23				FY23	
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE
Volumes ('000 units)	25,935	21,073	25,325	21,895	26,797	23,703	28,025	24,765	94,228	1,03,290	24,765
Change (%)	42.9	-13.8	-19.8	-32.8	3.3	12.5	10.7	13.1	-11.7	9.6	13.1
Net Realn (INR '000/unit)	544.2	596.5	594.5	626.1	595.5	613.8	609.5	628.9	590.5	611.5	613.1
Change (%)	3.6	10.3	13.5	17.3	9.4	2.9	2.5	0.5	11.2	3.6	-2.1
Cost Break-up											
RM Cost (% of sales)	68.3	65.9	70.2	70.1	72.2	72.4	74.5	71.5	68.5	72.7	74.0
Staff Cost (% of sales)	8.2	8.3	6.8	6.4	6.8	7.9	6.7	7.2	7.3	7.1	6.7
Other Cost (% of sales)	9.6	12.3	9.5	10.1	11.0	11.6	10.3	10.5	10.3	10.8	10.2
Gross Margins (%)	31.7	34.1	29.8	29.9	27.8	27.6	25.5	28.5	37.6	31.4	26.0
EBITDA Margins (%)	14.0	13.5	13.5	13.5	10.0	8.1	8.4	10.8	13.8	9.4	9.1
EBIT Margins (%)	12.1	11.5	11.9	11.7	8.2	6.2	6.7	9.1	12.0	7.6	7.3
Segmental PBIT Margin (%)											
Agri Machinery	15.6	14.9	15.8	15.4	10.6	8.4	8.3	9.9	15.4	9.3	0.0
Railway Equipment	14.6	17.3	14.3	13.1	13.6	14.6	13.1	14.0	14.8	13.8	0.0
Construction Equipment	-2.3	3.6	2.5	3.6	1.0	-2.6	2.2	8.1	2.4	2.9	0.0
E:MOFSL Estimates											



Highlights from the management commentary

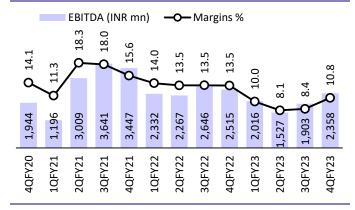
- FY24 domestic tractor volumes are likely to post low-to-mid single digit growth, despite weak 1QFY24, due to: a) good MSP prices, b) high water reservoir levels, and c) healthy growth in non-agri tractor sales.
- Tractor PBIT margin to reach 14-15% level by 4QFY24 driven by: a) further savings in RM cost, b) mix improvement and c) cost-cutting initiatives. It is expecting further softening of prices for steel, casting and rubber (yet to see the benefit of correction in rubber prices). The entire cost inflation has been passed on without contribution margins.
- Tractor sales to non-agri segment, which is ~30% of the market (including 15-20% for pure haulage use), is expected to see 15-20% growth in FY24 driven by higher investments in infra.
- 4QFY23 retails grew 14%, which were lower than expected, benefitting from Navratras but hit by unseasonal rains. However, inventory levels are normal at 4.0-4.5 weeks as retails were higher than wholesales.
- Tractor PBIT margin improved 160bp QoQ (-550bp YoY) to 9.9%, led by better realization and soft commodity cost.
- Domestic tractor market share improved 40bp QoQ to 10.9% in 4Q.
- Exports through Kubota channel was at ~40% of total export in 4QFY23 (30% for FY23).
- Manufacturing JV is currently exporting components to a few countries. This JV also imports parts of engines, which will be localized as more products get introduced over next 2-3 years. This will further aid exports of components from India.
- Market share improvement would be driven by new products for domestic and exports, most of which will be launches by FY26. Modification to existing products may happen earlier.
- Trem-4 would result in cost increase of 10-15% in >50hp tractors; however, price increases will be gradual as these tractors get introduced.
- Over the next five years, ESC will increase capacity to 300k by adding a Greenfield plant from current capacity of 170k (incl. 50k at JV).
- Construction Equipment business is likely to grow 10-12% in FY24, with margins expanding further over FY23 levels led by RM savings and operating leverage.
- Railways business to grow in double digit driven by new products and exports. ESC's Mar'23-end order book stood at INR10.5b. It expects localization benefits on the new products to reflect in P&L only in FY25, driving margin improvement.
- Merger of two JVs with Kubota is delayed due to delay in regulatory approvals and is now expected by Dec'23-Jan'24. Merger would be w.e.f. 1st Apr'23.

Exhibit 1: Revenue and revenue growth trends

Revenue (INR mn) **─**Growth YoY % 60.1 57. 20.5 23. 0 13,807 16,715 16,788 20,174 21,830 1QFY23 1QFY22 **2QFY23 2QFY21**

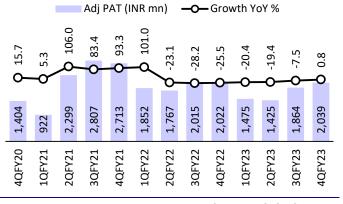
Source: MOFSL, Company

Exhibit 2: EBITDA and EBITDA margin trends



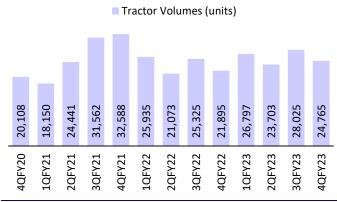
Source: MOFSL, Company

Exhibit 3: Adjusted PAT and growth trend



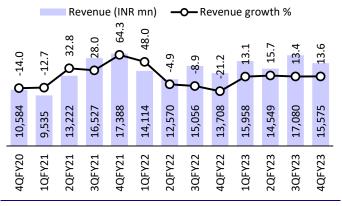
Source: MOFSL, Company

Exhibit 4: Trend in Tractor volumes



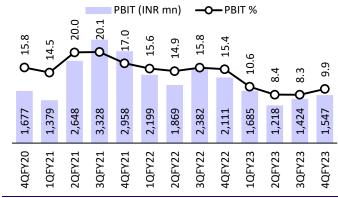
Source: MOFSL, Company

Exhibit 5: Revenue and growth in Tractor segment



Source: MOFSL, Company

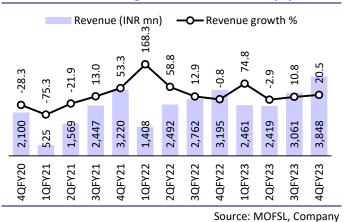
Exhibit 6: PBIT trend in Tractor segment

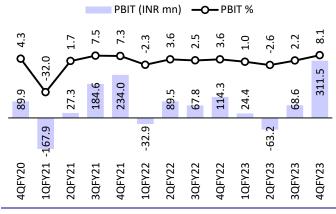


Source: MOFSL, Company

Exhibit 7: Revenue and growth in Construction Equipment

Exhibit 8: PBIT trend in Construction Equipment segment

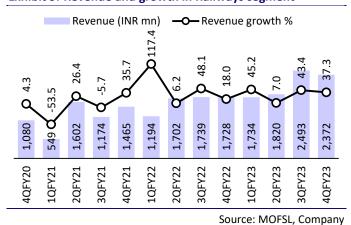


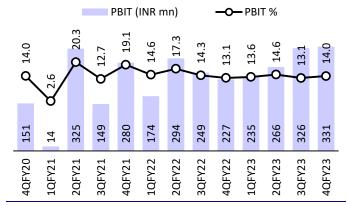


Source: MOFSL, Company

Exhibit 9: Revenue and growth in Railways segment

Exhibit 10: PBIT trend in Railways segment





Source: MOFSL, Company

Valuation and view

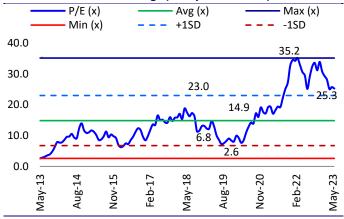
- Near-term demand outlook positive despite weak 1QFY24: FY24 domestic tractor volumes are likely to post low-to-mid single digit growth, despite weak 1QFY24, due to: a) good MSP prices, b) high water reservoir levels, and c) 15-20% growth in non-agri tractor sales. We estimate tractor industry volumes to report 5-6% CAGR over FY23–25. However, we believe uncertainty in the tractor cycle would continue led by the uncertain monsoon forecast for this year and the impact of implementation of TREM-4 norms for <50HP tractors (likely in FY25). This along with high base of FY23 would keep volume growth under check in the foreseeable future.
- Kubota parentage can unleash many synergies: Kubota's parentage would help ESC improve its competitive positioning in: a) small tractors (less than 30HP), b) the export markets (through leveraging Kubota's distribution network), c) the Agri Implements business, d) component sourcing, and e) the Construction Equipment business (Kubota is a global leader in small excavators). Through this partnership, ESC gains access to: a) global product know-how (in Tractors and Implements), b) a global distribution network, and c) a global supply chain (by leveraging its India cost base).
- Healthy recovery in Railways, Construction Equipment to dilute cyclical impact of tractors: We expect the Railways business to deliver a ~16% CAGR over FY23-25, benefitting from the ramp-up in new products by FY25. Revenue from Construction Equipment is estimated to grow at 13% over

- FY23–25. The benefits related to localization and cost savings would elevate its margin profile in both segments.
- Tractor cycle showing initial signs of recovery: With expected recovery in its core Tractor business, we estimate 7% revenue CAGR over FY23-25. This would result in margin expansion of ~450bp (over FY23-25E) to ~13.7% in FY25E and 35% EPS CAGR. Our estimates do not factor in the merger of Kubota's India businesses.
- Valuation and view: We raise our FY24E/FY25E EPS by 7.5%/6.6% to factor in margin expansions in all the verticals. While the near-term outlook has improved, recovery in margins is getting delayed. Exports, a leaner cost structure, recovery in Railways / Construction Equipment, and a strong balance sheet would offset the impact on the P&L. After Kubota's first acquisition of a stake in ESC, the stock got substantially re-rated. The stock trades at ~27.2x/21.8x consolidated FY24E/25E EPS, at a premium to its 10-year average of ~13.3x, driven by an improvement in operating parameters as well as the Kubota partnership. The valuations are already factoring in positive tractor industry outlook as well as the benefit from Kubota partnership. Maintain Neutral with a TP of INR1,900 (premised on 20x Mar'25E consolidated EPS).

Our revised forecasts (Consol.)

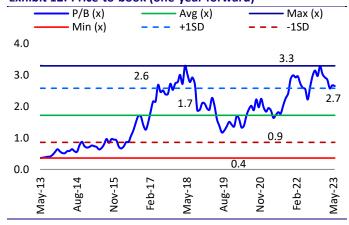
our revised for eduses (conson)								
(INR M)		FY24E			FY25E			
	Rev	Old	Chg (%)	Rev	Old	Chg (%)		
Net Sales	91,077	91,192	-0.1	1,00,448	99,588	0.9		
EBITDA	11,066	10,031	10.3	13,761	12,847	7.1		
EBITDA (%)	12.2	11.0	120bp	13.7	12.9	80bp		
Adj. PAT	9,233	8,588	7.5	11,537	10,821	6.6		
EPS (INR)	75.3	70.1	7.5	94.1	88.3	6.6		





Source: MOFSL, Company

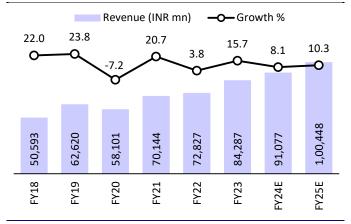
Exhibit 12: Price-to-book (one-year forward)



Source: MOFSL, Company

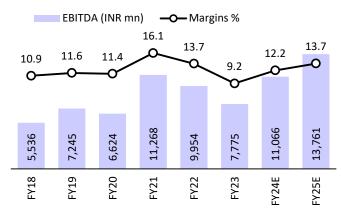
Story in charts

Exhibit 13: Revenue and revenue growth trends



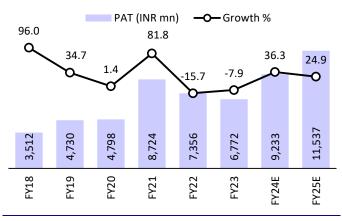
Source: MOFSL, Company

Exhibit 14: EBITDA and EBITDA margin trajectories



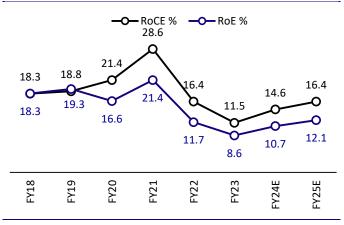
Source: MOFSL, Company

Exhibit 15: PAT and PAT growth trends



Source: MOFSL, Company

Exhibit 16: RoE and RoCE trends



Source: MOFSL, Company

Financials and valuations

Consolidated - Income Statement								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Total Income from Operations	50,593	62,620	58,101	70,144	72,827	84,287	91,077	1,00,448
Change (%)	22.0	23.8	-7.2	20.7	3.8	15.7	8.1	10.3
EBITDA	5,536	7,245	6,624	11,268	9,954	7,775	11,066	13,761
Margin (%)	10.9	11.6	11.4	16.1	13.7	9.2	12.2	13.7
Depreciation	732	872	1,072	1,183	1,321	1,501	1,630	1,728
EBIT	4,804	6,373	5,552	10,085	8,634	6,275	9,435	12,034
Int. and Finance Charges	295	195	172	133	150	133	120	120
Other Income	653	924	976	1,604	1,738	2,809	3,120	3,600
PBT bef. EO Exp.	5,162	7,102	6,356	11,555	10,222	8,951	12,435	15,514
EO Items	-68	56	-92	0	0	-531	0	0
PBT after EO Exp.	5,094	7,157	6,263	11,555	10,222	8,421	12,435	15,514
Current Tax	1,625	2,371	1,535	2,832	2,572	1,979	3,127	3,902
Deferred Tax	0	0	0	0	0	0	0	0
Tax Rate (%)	31.9	33.1	24.5	24.5	25.2	23.5	25.1	25.2
Less: Minority Interest	4	20	0	0	294	75	75	75
Reported PAT	3,466	4,767	4,728	8,724	7,356	6,367	9,233	11,537
Adjusted PAT	3,512	4,730	4,798	8,724	7,356	6,772	9,233	11,537
Change (%)	96.0	34.7	1.4	81.8	-15.7	-7.9	36.3	24.9
Margin (%)	6.9	7.6	8.3	12.4	10.1	8.0	10.1	11.5
Consolidated - Balance Sheet								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E

Consolidated - Balance Sheet								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	1,226	1,226	1,226	1,348	1,319	1,319	1,226	1,226
Total Reserves	20,926	25,509	29,948	48,913	74,680	80,548	88,800	99,111
Net Worth	22,151	26,735	31,174	50,261	75,999	81,867	90,026	1,00,337
Minority Interest	-4	56	51	-9	-38	-39	-39	-39
Deferred Liabilities	197	529	307	233	373	646	646	646
Total Loans	147	2,810	192	17	0	0	0	0
Capital Employed	22,492	30,130	31,724	50,502	76,334	82,475	90,634	1,00,944
Gross Block	24,960	26,213	27,834	29,350	30,799	32,003	34,547	37,434
Less: Accum. Deprn.	9,082	9,741	10,608	11,388	12,389	13,890	15,520	17,248
Net Fixed Assets	15,878	16,472	17,227	17,962	18,411	18,114	19,027	20,187
Capital WIP	657	800	1,044	647	878	1,137	1,093	1,205
Total Investments	5,490	4,908	7,974	19,380	48,358	48,465	48,465	48,465
Curr. Assets, Loans&Adv.	17,700	24,890	23,895	30,792	23,431	33,137	41,100	52,098
Inventory	5,657	8,574	8,834	7,182	8,466	12,177	10,517	11,393
Account Receivables	5,920	9,311	7,319	6,576	7,926	11,797	9,981	11,008
Cash and Bank Balance	3,173	2,433	3,249	13,218	2,718	4,719	15,712	24,319
Loans and Advances	2,949	4,572	4,494	3,817	4,320	4,445	4,889	5,378
Curr. Liability & Prov.	17,242	16,952	18,430	18,279	14,743	18,378	19,051	21,011
Account Payables	15,746	15,495	16,867	16,771	13,341	16,912	17,467	19,264
Provisions	1,495	1,458	1,563	1,508	1,402	1,466	1,584	1,747
Net Current Assets	458	7,938	5,465	12,513	8,687	14,760	22,049	31,087
Deferred Tax assets	8	12	14	0	0	0	0	0
Misc Expenditure	0	0	0	0	0	0	0	0
Appl. of Funds	22,493	30,130	31,724	50,502	76,334	82,475	90,634	1,00,944

E: MOFSL Estimates

Financials and valuations

Opening Balance

Closing Balance

Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)								
EPS (ex-treasury)	39.5	53.2	54.0	86.3	66.6	51.3	75.3	94.1
BV/Share	249.2	300.8	350.7	497.0	687.8	620.5	734.4	818.5
DPS	2.0	2.5	2.5	7.5	7.0	7.0	8.0	10.0
Payout (%)	6.2	5.6	5.7	8.7	10.5	14.5	10.6	10.6
Valuation (x)								
P/E	51.8	38.5	38.0	23.7	30.8	39.9	27.2	21.8
P/BV	8.2	6.8	5.8	4.1	3.0	3.3	2.8	2.5
EV/Sales	3.5	2.9	3.1	3.4	3.4	2.9	2.6	2.3
EV/EBITDA	32.3	25.2	27.0	15.0	20.5	31.7	21.3	16.5
Dividend Yield (%)	0.1	0.1	0.1	0.4	0.3	0.3	0.4	0.5
FCF per share	28.9	-31.6	50.2	75.3	-10.7	2.5	100.0	81.8
Return Ratios (%)								
RoE	18.3	19.3	16.6	21.4	11.7	8.6	10.7	12.1
RoCE	18.3	18.8	21.4	28.6	16.4	11.5	14.6	16.4
RoIC	24.5	24.2	20.2	41.5	31.0	18.3	26.4	34.4
Working Capital Ratios								
Asset Turnover (x)	2.2	2.1	1.8	1.4	1.0	1.0	1.0	1.0
Inventory (Days)	61	73	84	56	62	73	60	60
Debtor (Days)	43	54	46	34	40	51	40	40
Creditor (Days)	114	90	106	87	67	73	70	70
Leverage Ratio (x)								
Net Debt/Equity	-0.4	-0.1	-0.3	-0.6	-0.6	-0.6	-0.7	-0.7
Consolidated - Cash Flow Stateme	ent							(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	5,091	7,157	6,253	11,548	9,928	8,346	12,435	15,514
Depreciation	732	872	1,072	1,183	1,321	1,501	1,630	1,728
Interest & Finance Charges	-26	-301	0	0	-906	-1,620	120	120
Direct Taxes Paid	-1,021	-2,166	-1,748	-2,527	-2,547	-1,864	-3,127	-3,902
(Inc)/Dec in WC	-181	-7,449	3,272	2,748	-6,526	-4,102	3,704	-431
CF from Operations	4,596	-1,887	8,849	12,952	1,270	2,260	14,762	13,028
Others	5	-456	-877	-1,639	-948	-21	0	(
CF from Operating incl EO	4,601	-2,343	7,972	11,313	323	2,239	14,762	13,028
(inc)/dec in FA	-1,059	-1,529	-1,822	-1,157	-1,732	-1,904	-2,500	-3,000
Free Cash Flow	3,541	-3,873	6,150	10,155	-1,409	336	12,262	10,028
(Pur)/Sale of Investments	-2,934	994	-2,390	-20,778	-17,898	1,167	0	C
Others	252	362	0	0	1,066	116	0	C
CF from Investments	-3,742	-174	-4,212	-21,936	-18,564	-621	-2,500	-3,000
Issue of Shares	2,501	28	0	10,576	19,021	206	-94	C
		2,309	-2,644	-221	-87	0	0	C
Inc/(Dec) in Debt	-2,134	2,303	_,					
	-2,134 -216	-138	-100	-76	-98	-91	-120	-120
Inc/(Dec) in Debt				-76 -245	-98 -737	-91 -757	-120 -981	
Inc/(Dec) in Debt Interest Paid	-216	-138	-100					-1,226
Inc/(Dec) in Debt Interest Paid Dividend Paid	-216 -161	-138 -289	-100 -260	-245	-737	-757	-981	-120 -1,226 -1,421 8,607

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

1,542

931

693

1,542

931

1,689

1,689

1,057

1,057

622

622

1,528

1,528

12,521

12,521

21,128

NOTES

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 take appropriate measures to make the recommendation consistent with the investment rating legend.

Disclosures

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 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 Proceedings service transactions. Details of pending Enquiry of Motilal Oswal Financial Services Limited al.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com, <a href="www.nseindia.co Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

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 interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a 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") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- 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.
- MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 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
- Research Analyst has not served as director/officer/employee in the subject company MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report 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.

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 Aganwal,

Email Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance Redressal Cell:

Offevarioe Neuressai Oeli.		
Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

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.