1 August 2025

1QFY26 Result Update | Sector: Utilities

JSW Energy

Estimate change	⟷
TP change	⟷
Rating change	⟷

Bloomberg	JSW IN
Equity Shares (m)	1748
M.Cap.(INRb)/(USDb)	900.2 / 10.3
52-Week Range (INR)	805 / 419
1, 6, 12 Rel. Per (%)	2/-4/-29
12M Avg Val (INR M)	2187

Financials & Valuations (INR b)

Y/E March	FY25	FY26E	FY27E
Sales	117.5	204.6	237.8
EBITDA	52.2	99.3	126.2
Adj. PAT	18.6	22.0	29.5
Adj. EPS (INR)	10.7	12.6	16.9
EPS Gr. (%)	1.6	18.4	33.9
BV/Sh.(INR)	156.8	167.9	183.0
Ratios			
Net D:E	1.6	2.0	2.2
RoE (%)	7.7	7.8	9.6
RoCE (%)	6.1	7.9	7.7
Payout (%)	18.8	23.8	17.7
Valuations			
P/E (x)	48.5	41.0	30.6
P/BV (x)	3.3	3.1	2.8
EV/EBITDA (x)	25.5	15.1	12.6
Div. Yield (%)	0.4	0.6	0.6

Shareholding pattern (%)

As On	Jun-25	Mar-25	Jun-24
Promoter	69.3	69.3	69.3
DII	11.4	10.9	9.2
FII	12.5	13.6	15.6
Others	6.8	6.2	5.9

FII Includes depository receipts

CMP: INR515 TP: INR620 (+20%) Buy

Strong 1Q amid higher-than-estimated generation

- JSW Energy's (JSWE) 1QFY26 revenue was 6% above our estimate at INR51.4b (+79% YoY), and EBITDA stood at INR27.9b (+97% YoY), beating our estimate by 24%. The strong beat was driven by higher than estimated contributions from recently acquired assets—KSK Mahanadi (1.8 GW) and O2 Power (1.3 GW)—alongside higher generation from the fully contracted Vijayanagar coal plant.
- In 1QFY26, the company commissioned 1.9GW (1.7GW from O2 Power and 200MW under its RE platform, JSW NEO) and reiterated its FY26 capacity addition target of 3-4 GW (excluding 1.3GW O2 Power). Capex for the quarter stood at INR24b, with full-year FY26 guidance maintained at INR150-180b. The 240MW Kutehr Hydro project is expected to be commissioned in the next few days.
- JSWE remains on track to reach 30 GW of generation and 40 GWh of storage capacity by FY30, targeting a 2.7x- 3x EBITDA increase over pro forma FY25 levels.
- We reiterate BUY with a TP of INR620/share.

Robust beat led by acquisitions and generation upside

Consolidated performance:

- JSWE's consolidated revenue was 6% above our estimate at INR51.4b (+79% YoY). EBITDA stood at INR27.9b (+97% YoY), beating our estimate by 24%. This strong beat was driven by higher-than-estimated generation on account of KSK Mahanadi (1.8GW) and O2 Power (1.3GW) additions, RE capacity additions, and higher generation at the Vijayanagar coal plant post long-term tie-up and incremental contributions from the same.
- Incremental EBITDA of INR8.67b was from KSK Mahanadi and INR2.19b from O2 Power (consolidated since 9 Apr'25).
- Adj. PAT was 31% above our estimate at INR7.4b (+42% YoY).

Operational highlights:

- Total installed capacity stood at 12.8GW at the end of 1QFY26, up ~70% YoY, with 1.9GW added during the quarter.
- Net generation rose 71% YoY to 13.5 BUs. RE generation rose 54%YoY to 5BUs, driven by organic wind capacity additions and contribution from O2 Power.

Other highlights:

- The KSK Mahanadi (1.8GW operational) plant generated 2.7BUs in 1QFY26, contributing INR8.67b to EBITDA, while the recently commissioned Utkal Unit-2 (350MW) ramped up operations during the quarter, generating 370 MUs.
- JSWE completed the acquisition of O2 Power, a 4.7GW renewable platform, on 9 Apr'25, with an operational capacity of 1,343MW as of 31 Mar'25.

Abhishek Nigam – Research Analyst (Abhishek.Nigam@MotilalOswal.com)
Research Analyst – Preksha Daga (Preksha.Daga@MotilalOswal.com)

- The company secured PPAs totaling 605MW during the quarter, comprising 250MW of wind and 355MW of hybrid capacity. Additionally, after the quarter-end, it signed PPAs for a 350MW FDRE project and a solar (100MW) + BESS (100MWh) project.
- JSW Neo secured a USD675m ECB, backed by strong credit ratings.
- Short-term thermal sales rose 63% YoY to 1,630 MUs in 1QFY26, driven by a shift toward domestic coal-based capacities at Utkal and KSK Mahanadi.
- The company secured storage agreements for 12.5GWh during the quarter, followed by an additional 680MWh after the quarter-end, bringing the total locked-in storage capacity to 29.4GWh.
- The company has commenced trial runs for its 3,800 TPA green hydrogen project located in Vijayanagar.

Highlights of JSWE's 1QFY26 performance

- Total installed capacity rose to 12.8 GW, reflecting a 70% YoY increase, driven by recent acquisitions and organic capacity additions.
- Net generation stood at 13.5 BUs, up 71% YoY, led by the contribution from newly acquired and operational assets.
- The 1.8 GW KSK Mahanadi plant operated at full capacity during the quarter, generating 2.7 BUs (~20% of total generation) and contributing INR8.6b to consolidated EBITDA (~28% share). The plant is showing further upside potential, with plans to complete the partially built 600MW fourth unit (currently ~45% completed). While tariffs are expected to vary annually, management remains confident that annual EBITDA will not fall below INR24b.
- Capex for 1QFY26 stood at INR24b. The company has retained its full-year capex guidance at INR150-180b.
- O2 Power has achieved an installed capacity of 1.8 GW, with plans to scale up to 4.7 GW by Jun'27. Planned capex for this expansion is estimated at INR130-140b.
- As of 1QFY26, only 8% (974MW) of the total capacity remains untied. Of this, just 10% is linked to imported coal, with the remainder based on domestic coal.
- Notably, all 13 GW of under-construction capacity has been fully tied up under long-term PPAs, enhancing forward earnings stability.
- The company has reiterated its FY26 commissioning target of 3-4 GW (excluding the 1.3 GW of O2 Power acquired during the year).
- A 5 GWh/year battery assembly plant is under development in Pune, with an initial capex of INR1.65-1.8b. Trial runs are expected to commence by the end of 2QFY26. Battery cells will be imported from China for initial operations.
- A 3,800 TPA green hydrogen plant is expected to be commissioned in 2QFY26, marking JSWE's foray into clean fuels and energy diversification.

Valuation and view

- The valuation of JSWE is based on SoTP:
- Thermal is valued at 8.5x FY27E EBITDA and renewable energy at 12x FY27E EBITDA (FY28E EBITDA discounted by one year).
- Hydro is at 2x FY27E book value and green hydrogen equity at a 2x multiple.
- Additionally, the company's stake in JSW Steel is valued at a 25% discount to the current market price, acknowledging the strategic significance of this holding while incorporating a conservative valuation approach.
- By aggregating the values from these different components, the total equity value of JSWE was determined, leading to a TP of INR620/share.

Consolidated performance (INR b)

Y/E March	FY25				FY26E				FY25	FY26E	FY26E	Var.	YoY	QoQ
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	%	(%)	(%)
Net Sales	**28.8**	**32.4**	**24.4**	**31.9**	**51.4**	**57.4**	**47.5**	**48.2**	**117.5**	**204.6**	**48.5**	**6%**	**79**	**61**
YoY Change (%)	-1.7	4.8	-4.1	15.7	78.6	77.3	94.8	51.2	3.8	74.2	68.6			
Total Expenditure	14.6	15.5	15.3	19.8	23.5	27.0	25.8	28.9	65.2	105.2	26.0			
EBITDA	**14.2**	**16.8**	**9.1**	**12.0**	**27.9**	**30.4**	**21.7**	**19.3**	**52.2**	**99.3**	**22.5**	**24%**	**97**	**132**
Margin (%)	49.2	52.0	37.5	37.8	54.2	53.0	45.6	40.1	44.4	48.6	46.4			
Depreciation	3.8	3.9	4.1	4.8	7.4	6.5	6.7	6.9	16.5	27.5	6.2	**18%**	97	53
Interest	5.1	5.2	5.6	6.8	13.1	12.3	13.4	10.3	22.7	49.1	9.9	**31%**	155	93
Other Income	1.6	2.2	2.0	2.1	2.7	2.5	2.2	1.5	7.9	8.8	1.8	**48%**	64	29
PBT before EO expense	**6.9**	**10.0**	**1.4**	**2.6**	**10.1**	**14.1**	**3.8**	**3.7**	**20.9**	**31.6**	**8.1**	**24%**		
Extra-Ord income/(exp.)	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0			
PBT	**6.9**	**10.0**	**1.4**	**3.6**	**10.1**	**14.1**	**3.8**	**3.7**	**21.9**	**31.6**	**8.1**	**24%**	**46**	**185**
Tax	1.6	1.3	-0.1	-0.5	1.8	3.7	1.0	1.0	2.3	7.4	1.9	**-6%**		
Rate (%)	23.6	12.9	-5.1	-15.1	17.7	26.0	26.0	27.3	10.5	23.5	23.5			
Minority Interest	0.1	0.2	-0.1	0.1	0.9	1.0	0.2	0.2	0.3	2.4	0.6			
Share of JV & associates	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.0			
Reported PAT	**5.2**	**8.5**	**1.7**	**4.1**	**7.4**	**9.4**	**2.6**	**2.5**	**19.5**	**22.0**	**5.7**	**31%**	**42**	**82**
Adj PAT	**5.2**	**8.5**	**1.7**	**2.9**	**7.4**	**9.4**	**2.6**	**2.5**	**18.4**	**22.0**	**5.7**	**31%**	**42**	**154**
YoY Change (%)	80.0	19.0	-27.4	-16.6	42.4	10.6	56.4	-13.3	15.6	20.0	8.8			
Margin (%)	18.1	26.4	6.9	9.2	14.4	16.4	5.5	5.3	15.6	10.8	11.7			

JSWE SoTP valuation

Particulars	Units	Metric	Metric type	Valuation multiple	Amount
Thermal	INR m	46,398	EBITDA - FY27	8.5	3,94,387
Hydro	INR m	50,864	BV - FY27	2	1,01,728
Renewables	INR m	1,01,583	EBITDA - FY27	12	12,18,992
Green Hydrogen	INR m	1,438	Equity	2	2,875
EV	**INR m**				**17,17,981**
Less: Net Debt	INR m		FY27		6,91,397
Market cap	**INR m**				**10,26,584**
JSW Steel stake*	INR m				55,029
Total Equity value	**INR m**				**10,81,613**
Target price	**INR/Share**				**620**
CMP	INR/share				518
Upside/(Downside)					20%

**at a 25% discount*

Highlights from the management commentary

- **Capacity Expansion and Operational Performance**
  - The company commissioned 1.9GW during the quarter, comprising 1.7GW from O2 Power (1.3 GW operational, followed by an additional 400MW) and 200MW RE capacity in JSW NEO.
  - Total installed capacity rose to 12.8 GW, marking a 70% YoY growth.
  - Net generation increased to 13.5 BUs, up 71% YoY.
  - KSK Mahanadi operated fully during the quarter, generating 2.7 BUs (~20% of total generation); it contributed INR8.6b to consolidated EBITDA (~28%).
  - Wind CUF improved to 30% in 1QFY26 due to higher wind speeds and the addition of more efficient turbines.
  - Solar PLF declined to 21% (vs. 24% YoY) due to lower radiation from early monsoons.
- **Financial Performance**
  - The company achieved record-high quarterly EBITDA of INR30.5b (+93% YoY).
  - Reported PAT increased 42% YoY to INR7.43b.
  - Net debt increased to INR593b, up INR150b QoQ due to O2 Power acquisition and ongoing capex, of which INR129b is under CWIP.
  - Weighted average cost of debt declined 15-20bp during the quarter, and the company expects it to reduce further.
  - Receivables stood at INR37b, with a DSO of 58 days.
- **Capex Guidance**
  - Capex for 1QFY26 was INR24b; full-year guidance was maintained at INR150-180b.
- **Strategic Acquisitions & Asset Performance**
  - O2 Power now has an installed capacity of 1.8 GW, targeted to scale up to 4.7GW by Jun'27, with a planned capex of INR13-140b.
  - The acquired KSK Mahanadi (1.8 GW) plant is showing an upside potential; plans are underway to complete the fourth 600MW unit (~45% work completed). Tariff trajectory will vary yearly but management remains confident that its EBITDA will not go below INR24b in any year.
- **Reduced Merchant & Import Coal Exposure**
  - The company saw a 92% YoY rise in generation at the imported coal-based Vijayanagar plant (1.4 BU), primarily due to a PPA tie-up with JSW Steel, reducing exposure to the merchant market and imported coal volatility.
  - As of 1QFY26, only 8% (974MW) of capacity remains untied; of this, just 10% is linked to imported coal, with the remainder being domestic coal-based (Utkal and Mahanadi).
  - All under-construction capacity of 13GW has been tied up under PPAs, ensuring forward earnings stability.
- **Thermal & Renewable Development Plans**
  - Total capacity addition target for FY26 is 3-4GW (excluding 1.3GW of O2 Power).
  - Salboni greenfield thermal project (1.6 GW) has signed PPAs and secured 100% land; environmental clearance is in progress.
  - The company remains committed to a 30GW capacity by 2030, with a 2/3rd renewable and 1/3rd thermal mix.
- **Renewables, Storage, and Green Hydrogen Initiatives**
  - The company has signed a PPA with UPPCL for 12 GWh of a pumped storage project. A total of 29.4GWh locked-in capacity is under development.
  - The Kutehr Hydro plant (3units × 80MW) is nearing full commissioning in the next few days.

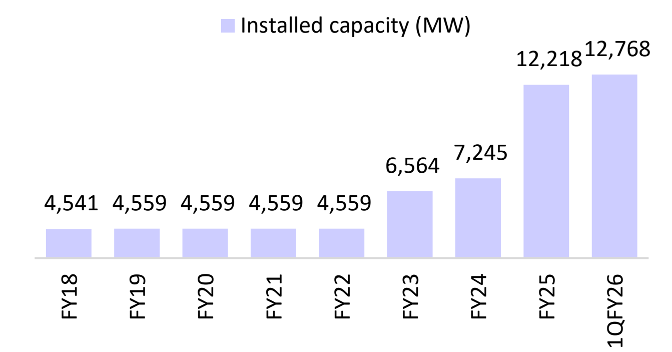
- A 20MW floating solar project is under construction in Karnataka, scheduled for commissioning by 2QFY26.
- The battery assembly plant in Pune with 5GWh/year capacity (initial capex: INR1.65-1.8b) is expected to begin trial runs by end-2QFY26. Cells will be imported from China.
- The green hydrogen plant (3,800 TPA) is targeted for commissioning in 2QFY26; it is expected to deliver mid-to-high teens IRR, amortized over seven years.

- **Strategy and & Regulatory Developments**
- Two wind blade manufacturing units are under development in western and southern India, set for commissioning by FY26. Strategic focus remains on reducing LCoE across renewable projects.
- Supreme Court ruling on Hydro asset free power obligation: The company is supplying 18% free power to the Himachal Pradesh government from 19th July'25. Discussions are ongoing to finalize the supply of an additional 6% free power during 14th Sep'23-18th July'25.

- **Market Trends and Sectoral Shifts**
- Merchant market prices remained stable at INR4.41/unit despite the rising RE capacity.
- India's total power capacity stands at 485 GW, with 46 GW added in the past 12 months.
- A structural shift has been observed in India's power procurement, with a growing preference for competitive bidding by states, particularly for thermal capacity.

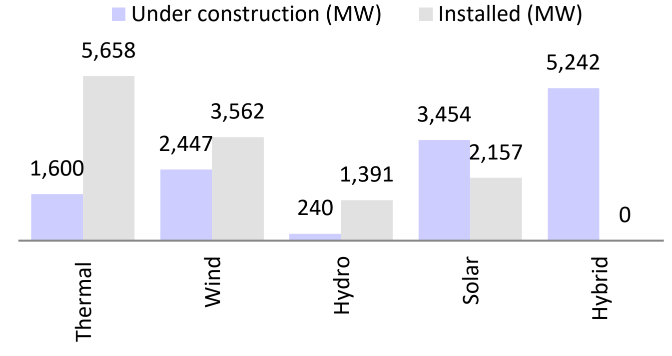
Story in charts – 1QFY26

Exhibit 1: Installed capacity (MW)



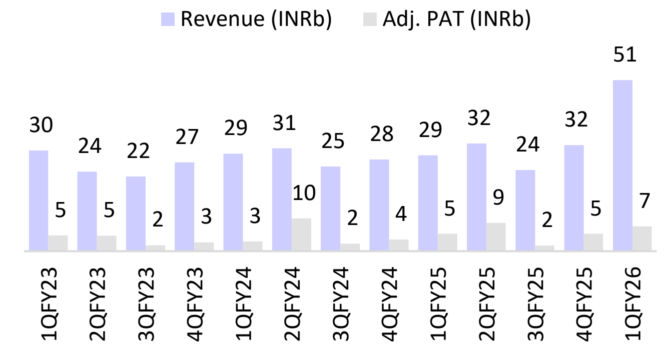
Source: Company, MOFSL

Exhibit 2: Capacity breakdown by 1QFY26 end



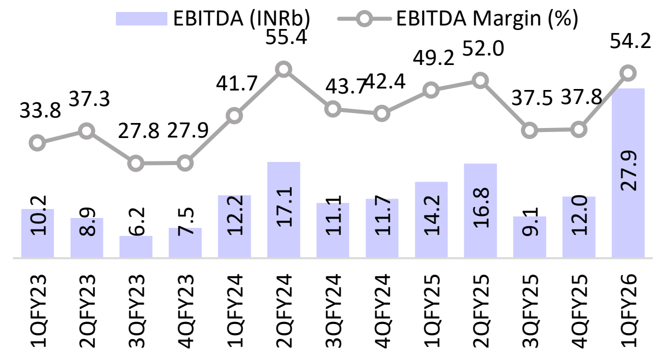
Source: Company, MOFSL

Exhibit 3: Consolidated revenue and Adj. PAT



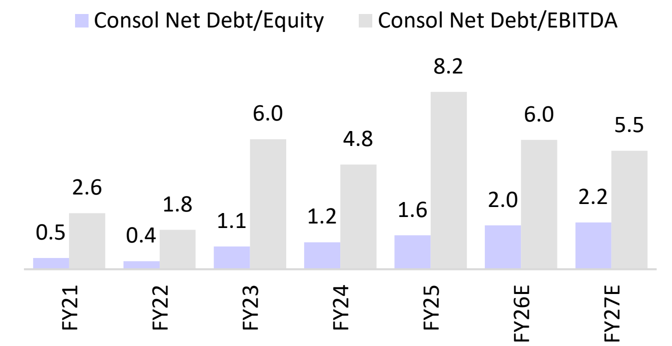
Source: Company, MOFSL

Exhibit 4: Consolidated EBITDA and EBITDA margin



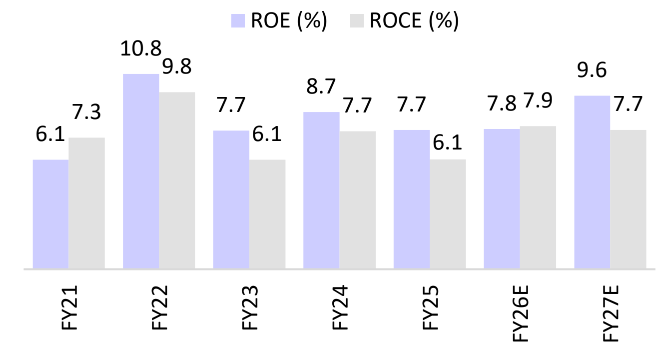
Source: Company, MOFSL

Exhibit 5: Consol. net debt/equity and net debt/EBITDA



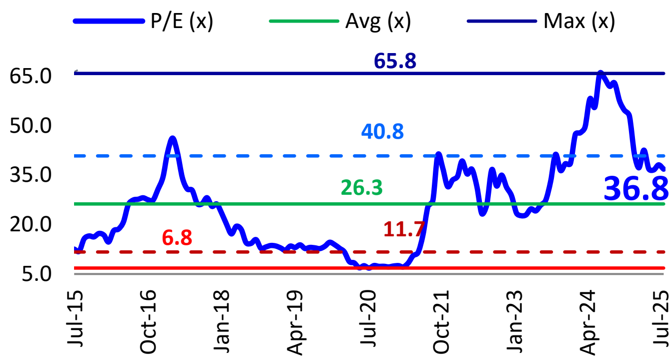
Source: Company, MOFSL

Exhibit 6: Consol. ROE and ROCE



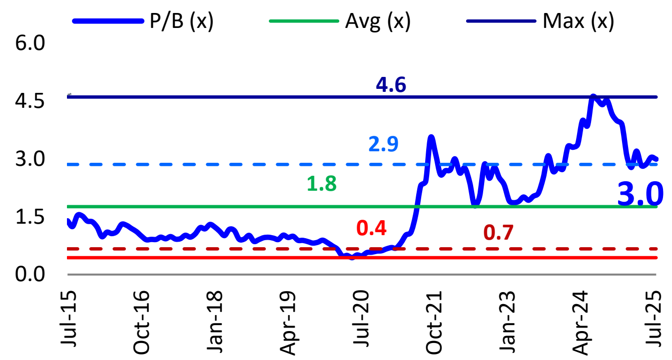
Source: Company, MOFSL

Exhibit 7: JSWE one-year FWD P/E



Source: Company, MOFSL

Exhibit 8: JSWE one-year FWD P/B



Source: Company, MOFSL

Financials and valuations

Consolidated Income Statement						(INR m)
Y/E March	**FY22**	**FY23**	**FY24**	**FY25**	**FY26E**	**FY27E**
Net Sales	**81,672**	**1,03,318**	**1,14,859**	**1,17,454**	**2,04,590**	**2,37,781**
Change (%)						
Total Expenses	45,982	70,500	61,041	65,246	1,05,250	1,11,607
Gross Profit	45,930	43,945	67,789	71,490	1,21,746	1,52,218
EBITDA	**35,690**	**32,818**	**53,818**	**52,208**	**99,340**	**1,26,173**
% of Net Sales	*43.7*	*31.8*	*46.9*	*44.4*	*48.6*	*53.1*
Depreciation	11,311	11,692	16,334	16,546	27,516	45,888
EBIT	**24,380**	**21,126**	**37,484**	**35,662**	**71,824**	**80,285**
Net Interest	7,769	8,443	20,534	22,691	49,059	52,523
Other income	5,687	5,352	4,554	7,941	8,836	12,796
PBT before EO	**22,297**	**18,036**	**21,504**	**20,912**	**31,600**	**40,558**
EO expense	0	-1,200	0	-1,000	0	0
PBT after EO	**22,297**	**19,236**	**21,504**	**21,912**	**31,600**	**40,558**
Tax	4,948	4,627	4,423	2,310	7,426	9,531
Rate (%)	*22.2*	*24.1*	*20.6*	*10.5*	*23.5*	*23.5*
JV	-85	193	165	228	228	228
Minority	149	-24	-19	-320	-2,367	-1,740
Reported PAT	**17,286**	**14,778**	**17,227**	**19,509**	**22,035**	**29,514**
Adjusted PAT	**17,286**	**13,866**	**17,227**	**18,614**	**22,035**	**29,514**
Change (%)	*117.3*	*-19.8*	*24.2*	*8.1*	*18.4*	*33.9*

Consolidated Balance Sheet						(INR m)
Y/E March	**FY22**	**FY23**	**FY24**	**FY25**	**FY26E**	**FY27E**
Share Capital	16,397	16,405	16,412	17,453	17,453	17,453
Reserves	1,57,752	1,69,883	1,91,905	2,56,162	2,75,643	3,01,978
Net Worth	**1,74,149**	**1,86,288**	**2,08,317**	**2,73,614**	**2,93,096**	**3,19,430**
Minority Interest	21	1,054	1,825	17,236	19,603	21,344
Total Loans	90,246	2,48,172	3,13,266	4,96,213	6,79,489	7,59,489
Deferred Tax Liability	8,923	10,784	13,390	30,834	32,572	34,803
Capital Employed	**2,73,338**	**4,46,298**	**5,36,798**	**8,17,898**	**10,24,760**	**11,35,066**
Gross Block	2,16,025	3,29,615	3,85,207	6,53,843	8,33,523	10,02,014
Less: Accum. Deprn.	74,116	85,809	1,02,143	1,18,689	1,46,205	1,92,094
Net Fixed Assets	**1,41,908**	**2,43,807**	**2,83,064**	**5,35,154**	**6,87,318**	**8,09,920**
Capital WIP	20,906	47,795	1,02,851	1,02,809	1,52,809	1,64,319
Goodwill	6,398	6,485	6,398	6,398	6,398	6,398
Investments	51,946	49,616	59,458	76,537	76,537	76,537
Curr. Assets	**88,166**	**1,39,714**	**1,30,920**	**1,78,491**	**1,97,122**	**1,81,120**
Inventories	9,010	9,871	8,307	9,053	12,331	11,726
Account Receivables	12,147	16,314	10,205	13,198	11,210	13,029
Cash and Bank Balance	25,265	50,850	52,957	67,968	85,308	68,092
Others	41,745	62,679	59,452	88,272	88,272	88,272
Curr. Liability & Prov.	**35,986**	**41,119**	**45,893**	**81,492**	**95,424**	**1,03,228**
Account Payables	9,562	12,741	13,437	14,095	28,026	35,830
Provisions & Others	26,424	28,378	32,456	67,398	67,398	67,398
Net Curr. Assets	**52,180**	**98,595**	**85,028**	**96,999**	**1,01,698**	**77,892**
Appl. of Funds	**2,73,339**	**4,46,298**	**5,36,798**	**8,17,898**	**10,24,760**	**11,35,066**

Financials and valuations

Ratios

	FY22	FY23	FY24	FY25	FY26E	FY27E
Basic (INR)						
EPS	**10.5**	**8.5**	**10.5**	**10.7**	**12.6**	**16.9**
Cash EPS	17.4	15.6	20.4	20.1	28.4	43.2
BV/Share	106.2	113.6	126.9	156.8	167.9	183.0
DPS	2.0	2.0	2.0	2.0	3.0	3.0
Payout (%)	19.0	23.7	19.1	18.8	23.8	17.7
Dividend yield (%)	0.4	0.4	0.4	0.4	0.6	0.6
Valuation (x)						
P/E	49.1	61.3	49.3	48.5	41.0	30.6
Cash P/E	29.7	33.2	25.3	25.7	18.2	12.0
P/BV	4.9	4.6	4.1	3.3	3.1	2.8
EV/EBITDA	25.6	31.9	20.6	25.5	15.1	12.6
Dividend Yield (%)	0.4	0.4	0.4	0.4	0.6	0.6
Return Ratios (%)						
RoE	10.8	7.7	8.7	7.7	7.8	9.6
RoCE (post-tax)	9.8	6.1	7.7	6.1	7.9	7.7
RoIC (post-tax)	10.8	7.0	9.8	7.3	8.7	8.1
Working Capital Ratios						
Fixed Asset Turnover (x)	0.6	0.4	0.4	0.2	0.3	0.3
Asset Turnover (x)	0.3	0.2	0.2	0.1	0.2	0.2
Debtor (Days)	54	58	32	41	20	20
Inventory (Days)	40	35	26	28	22	18
Leverage Ratio (x)						
Net Debt/EBITDA	1.8	6.0	4.8	8.2	6.0	5.5
Debt/Equity	0.4	1.1	1.2	1.6	2.0	2.2

Consolidated Cash Flow Statement (INR m)

Y/E March	FY22	FY23	FY24	FY25	FY26E	FY27E
EBITDA	**35,690**	**32,818**	**53,818**	**52,208**	**99,340**	**1,26,173**
FX gain/loss	0	0	0	0	0	0
WC	-4,375	-11,336	10,085	-15,879	12,641	6,591
Others	2,593	2,833	2,290	5,346	2,594	1,968
Direct taxes (net)	-4,388	-3,473	-3,857	-3,291	-5,688	-7,300
CF from Op. Activity	**29,520**	**20,843**	**62,336**	**38,385**	**1,08,887**	**1,27,431**
Capex	-22,941	-42,363	-80,328	-67,086	-2,29,680	-1,80,000
FCFF	**6,580**	**-21,520**	**-17,991**	**-28,701**	**-1,20,793**	**-52,569**
Interest income	3,166	2,342	1,894	3,195	8,836	12,796
Others	5,852	-30,074	1,456	-1,61,717	0	0
CF from Inv. Activity	**-13,922**	**-70,095**	**-76,978**	**-2,25,608**	**-2,20,844**	**-1,67,204**
Share capital	-844	24	0	49,445	0	0
Borrowings	3,892	87,278	-1,77,098	1,84,252	1,83,276	80,000
Finance cost	-7,574	-10,758	-23,082	-27,207	-49,059	-52,523
Dividend	-3,287	-3,288	-3,468	-3,639	-4,920	-4,920
Others	0	18	2,20,397	-618	0	0
CF from Fin. Activity	**-7,813**	**73,275**	**16,748**	**2,02,234**	**1,29,297**	**22,557**
(Inc)/Dec in Cash	**7,785**	**24,023**	**2,106**	**15,011**	**17,340**	**-17,215**
Opening balance	17,480	26,828	50,850	52,957	67,968	85,308
Closing balance (as per B/S)	**25,265**	**50,850**	**52,957**	**67,968**	**85,308**	**68,092**

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 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.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical 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") (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 MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani
Email: nainesh.rajani@motilaloswal.com
Contact: (+65) 8328 0276

.

Specific Disclosures

1. Research Analyst and/or his/her relatives do not have a financial interest in the subject company(ies), as they do not have equity holdings in the subject company(ies).
   MOFSL has financial interest in the subject company(ies) at the end of the week immediately preceding the date of publication of the Research Report: Yes.
   Nature of Financial interest is holding equity shares or derivatives of the subject company
2. Research Analyst and/or his/her relatives do not have actual/beneficial ownership of 1% or more securities in the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report.
   MOFSL has 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 Research Report:No
3. Research Analyst and/or his/her relatives have not received compensation/other benefits from the subject company(ies) in the past 12 months.
   MOFSL may have received compensation from the subject company(ies) in the past 12 months.
4. Research Analyst and/or his/her relatives do not have material conflict of interest in the subject company at the time of publication of research report.
   MOFSL does 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 an officer, director or employee of subject company(ies).
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(ies) in the past 12 months.
8. MOFSL may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company(ies) in the past 12 months.
9. MOFSL may have received compensation or other benefits from the subject company(ies) or 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 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.