

**Waaree reported consolidated EBITDA/APAT of Rs15.8/10.6bn in Q4FY26, an 11%/4% miss, due to a 12%/7% QoQ contraction in GPM/EBITDAM. This was impacted by the Middle East conflict affecting logistics costs and overseas revenue mix, a spike in silver and copper prices, and higher module vs cell utilization, increasing reliance on costlier external DCR cells. Module/cell utilization in Q4 was 66%/53% on a closing capacity of 25.8/5.4GW, with module production up 20% QoQ. The working capital cycle deteriorated due to a sharp increase in inventory days. While the ME crisis continues, conditions are gradually improving. The management has guided FY27 EBITDA of Rs70-77bn, implying a healthy 18-30% YoY growth, driven by 10GW of new cell capacity in H2 and transition to G12R lines. Waaree also outlined a fully integrated energy transition roadmap, targeting USD4trn TAM by 2035, vs USD1trn currently. Planned capex is Rs300bn, with the Board approving a fund raise of up to Rs100bn. We largely retain our FY27/28E EPS; retain BUY and TP of Rs4,260.**

### Results highlights

Waaree's Q4FY26 consol revenue rose 112%/12% YoY/QoQ to Rs84.8bn (14% beat), driven by ~104% YoY and 20% QoQ increase in module production (16% beat). Cell production, however, declined 7% QoQ to 700MW, with cell-to-module ratio moderating to 0.17x from 0.21x QoQ. Solar PV sales surged 118% YoY and 13% QoQ to Rs79.0bn, but EBIT fell 28% QoQ to Rs11.1bn, with margins contracting to 14.0% from 21.8% QoQ. EPC revenue/EBIT rose 30%/34% QoQ. Opex increased 138% YoY to Rs11.2bn (down 21% QoQ). Other income rose 31% YoY to Rs1.8bn (down 8% QoQ; 18% miss). Waaree booked Rs1.1bn of IRA 45x benefits in Q4, while ETR was lower at 20%. Orderbook stood at Rs530bn. FY26 EBITDA of Rs59bn was near the upper end of the Rs55-60bn guidance, with margins improving to 22.3% from 18.8%. FY26-end net cash declined to Rs49bn.

### Management KTAs

Many of the adverse factors in Q4 are reversing, and pricing has adjusted to pass on cost increases, though the ME crisis persists. New order intake slowed in Q4 as the conflict led to delays of ~2 quarters. For H2FY27, the existing 5.4GW cell capacity is expected to operate at 90-95% utilization, while the new 10GW capacity will begin ramping up over 3-6 months. By FY28, the full 15.4GW capacity is likely to run at 80-85% utilization, with 90-95% of output serving the domestic market. Waaree's decadal EBITDA margin guidance stands at ~20%, though margins are expected to improve in the near term as a higher share of in-house cells, wafers, and ingots come online. The company supplied over 1GW of modules to the US in FY26, of which 85-90% was locally manufactured. It is insulated from US anti-dumping duties, as it relies on cells from non-affected countries.

### Valuation

We value Waaree on a SOTP basis, assigning 14x FY28E EV/EBITDA to the core business and 2.5x Phase-1 equity capex (30% of Rs20.7bn) to BESS; we have also adjusted minority interest (20x target PER). Key risks: competition, technology, policy, commodity.

|                       |        |
|-----------------------|--------|
| Target Price – 12M    | Mar-27 |
| Change in TP (%)      | -      |
| Current Reco.         | BUY    |
| Previous Reco.        | BUY    |
| Upside/(Downside) (%) | 36.6   |

| Stock Data              | WAAREEN IN |
|-------------------------|------------|
| 52-week High (Rs)       | 3,865      |
| 52-week Low (Rs)        | 2,402      |
| Shares outstanding (mn) | 287.7      |
| Market-cap (Rs bn)      | 897        |
| Market-cap (USD mn)     | 9,451      |
| Net-debt, FY27E (Rs mn) | (29,673.3) |
| ADTV-3M (mn shares)     | 1.7        |
| ADTV-3M (Rs mn)         | 6,620.7    |
| ADTV-3M (USD mn)        | 69.8       |
| Free float (%)          | 33.2       |
| Nifty-50                | 23,997.6   |
| INR/USD                 | 94.9       |

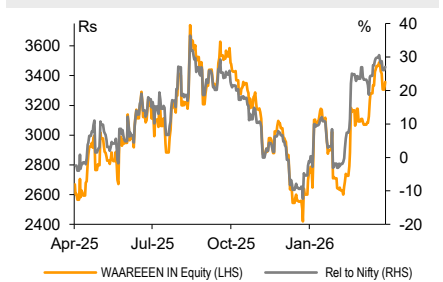
### Shareholding, Mar-26

|               |         |
|---------------|---------|
| Promoters (%) | 64.2    |
| FPIs/MFs (%)  | 7.1/4.3 |

### Price Performance

| (%)           | 1M    | 3M   | 12M  |
|---------------|-------|------|------|
| Absolute      | 0.3   | 11.9 | 19.7 |
| Rel. to Nifty | (6.7) | 18.1 | 21.4 |

### 1-Year share price trend (Rs)



### Waaree Energies: Financial Snapshot (Consolidated)

| Y/E March (Rs mn)   | FY25    | FY26    | FY27E   | FY28E   | FY29E   |
|---------------------|---------|---------|---------|---------|---------|
| Revenue             | 144,445 | 265,368 | 344,723 | 404,402 | 441,513 |
| EBITDA              | 27,216  | 59,086  | 74,237  | 91,490  | 97,644  |
| Adj. PAT            | 18,704  | 39,379  | 44,237  | 51,307  | 53,301  |
| Adj. EPS (Rs)       | 64.6    | 136.1   | 152.9   | 177.3   | 184.2   |
| EBITDA margin (%)   | 18.8    | 22.3    | 21.5    | 22.6    | 22.1    |
| EBITDA growth (%)   | 72.9    | 117.1   | 25.6    | 23.2    | 6.7     |
| Adj. EPS growth (%) | 89.6    | 110.5   | 12.3    | 16.0    | 3.9     |
| RoE (%)             | 27.5    | 31.0    | 26.6    | 24.0    | 20.2    |
| RoIC (%)            | 201.8   | 99.7    | 65.1    | 47.0    | 38.8    |
| P/E (x)             | 48.0    | 24.2    | 20.4    | 17.6    | 16.9    |
| EV/EBITDA (x)       | 30.4    | 14.4    | 11.8    | 8.9     | 7.5     |
| P/B (x)             | 9.5     | 6.3     | 4.8     | 3.8     | 3.1     |
| FCFF yield (%)      | (0.1)   | (3.8)   | (2.4)   | 6.8     | 10.6    |

Source: Company, Emkay Research

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## Exhibit 1: Actuals vs Estimates (Q4FY26)

| (Rs mn)             | Actual | Estimates<br>(Emkay) | Consensus<br>Estimates<br>(Bloomberg) | Variation |           | Comments                                 |
|---------------------|--------|----------------------|---------------------------------------|-----------|-----------|--|
|                     |        |                      |                                       | Emkay     | Consensus |  |
| Total revenue       | 84,803 | 74,434               | 76,500                                | 14%       | 11%       | Higher module production and EPC revenue |
| Adjusted EBITDA     | 15,768 | 17,641               | 17,666                                | -11%      | -11%      |  |
| EBITDA margin       | 18.6%  | 23.7%                | 23.1%                                 | -511bps   | -450bps   | Higher raw material and component costs  |
| Adjusted net profit | 10,611 | 11,006               | 11,797                                | -4%       | -10%      | Lower D/A, finance cost and ETR          |

Source: Company, Bloomberg, Emkay Research

## Exhibit 2: Waaree Energies – Quarterly financial summary

| Consolidated (Rs mn)                | Q4FY25         | Q1FY26         | Q2FY26         | Q3FY26         | Q4FY26         | QoQ         | YoY         | FY25           | FY26           | YoY          |
|-------------------------------------|----------------|----------------|----------------|----------------|----------------|-------------|-------------|----------------|----------------|--------------|
| Solar PV sales                      | 36,169         | 38,724         | 53,693         | 69,896         | 79,022         | 13%         | 118%        | 129,569        | 241,334        | 86%          |
| EPC revenue                         | 4,653          | 5,893          | 7,637          | 8,382          | 10,907         | 30%         | 134%        | 15,594         | 32,819         | 110%         |
| Power sales                         | 85             | 111            | 74             | 92             | 60             | -35%        | -29%        | 335            | 338            | 1%           |
| Intersegmental revenue              | -868           | -469           | -748           | -2,720         | -5,186         |             |             | -1,053         | -9,123         |              |
| <b>Total revenue</b>                | <b>40,039</b>  | <b>44,258</b>  | <b>60,656</b>  | <b>75,651</b>  | <b>84,803</b>  | <b>12%</b>  | <b>112%</b> | <b>144,445</b> | <b>265,368</b> | <b>84%</b>   |
| Cost of goods sold                  | 26,093         | 28,164         | 37,248         | 42,229         | 57,796         | 37%         | 121%        | 101,898        | 165,437        | 62%          |
| <b>Gross profit</b>                 | <b>13,946</b>  | <b>16,095</b>  | <b>23,408</b>  | <b>33,422</b>  | <b>27,007</b>  | <b>-19%</b> | <b>94%</b>  | <b>42,547</b>  | <b>99,931</b>  | <b>135%</b>  |
| Gross profit margin                 | 35%            | 36%            | 39%            | 44%            | 32%            |             |             | 29%            | 38%            |              |
| Other Manufacturing Cost            | 1,070          | 1,853          | 2,297          | 6,490          | 4,733          | -27%        | 342%        | 3,310          | 15,373         | 364%         |
| Employee cost                       | 1,029          | 1,353          | 1,525          | 1,678          | 1,437          | -14%        | 40%         | 3,182          | 5,993          | 88%          |
| Other expenses                      | 2,621          | 2,916          | 5,522          | 5,972          | 5,069          | -15%        | 93%         | 8,839          | 19,480         | 120%         |
| <b>Total expenditure</b>            | <b>30,814</b>  | <b>34,285</b>  | <b>46,592</b>  | <b>56,369</b>  | <b>69,035</b>  | <b>22%</b>  | <b>124%</b> | <b>117,229</b> | <b>206,281</b> | <b>76%</b>   |
| <b>EBITDA</b>                       | <b>9,226</b>   | <b>9,973</b>   | <b>14,064</b>  | <b>19,282</b>  | <b>15,768</b>  | <b>-18%</b> | <b>71%</b>  | <b>27,216</b>  | <b>59,086</b>  | <b>117%</b>  |
| EBITDA margin                       | 23%            | 23%            | 23%            | 25%            | 19%            |             |             | 19%            | 22%            |              |
| Depreciation                        | 1,534          | 1,821          | 2,398          | 2,673          | 3,006          | 12%         | 96%         | 4,025          | 9,897          | 146%         |
| Interest                            | 567            | 433            | 961            | 933            | 479            | -49%        | -16%        | 1,521          | 2,805          | 84%          |
| Other income                        | 1,370          | 1,714          | 1,609          | 1,962          | 1,797          | -8%         | 31%         | 4,016          | 7,082          | 76%          |
| <b>PBT</b>                          | <b>8,495</b>   | <b>9,434</b>   | <b>12,315</b>  | <b>17,638</b>  | <b>14,080</b>  | <b>-20%</b> | <b>66%</b>  | <b>25,687</b>  | <b>53,466</b>  | <b>108%</b>  |
| Exceptional items                   | -40            | -              | -              | -2,948         | -              |             |             | -40            | -2,948         |              |
| <b>PBT after exceptionals</b>       | <b>8,455</b>   | <b>9,434</b>   | <b>12,315</b>  | <b>14,690</b>  | <b>14,080</b>  | <b>-4%</b>  | <b>67%</b>  | <b>25,646</b>  | <b>50,518</b>  | <b>97%</b>   |
| Tax                                 | 2,010          | 1,705          | 3,533          | 3,622          | 2,817          | -22%        | 40%         | 6,365          | 11,676         | 83%          |
| <b>PAT</b>                          | <b>6,445</b>   | <b>7,729</b>   | <b>8,782</b>   | <b>11,068</b>  | <b>11,263</b>  | <b>2%</b>   | <b>75%</b>  | <b>19,281</b>  | <b>38,842</b>  | <b>101%</b>  |
| Minority interest                   | 256            | 277            | 357            | 443            | 652            |             |             | 607            | 1,728          |              |
| <b>Net PAT</b>                      | <b>6,189</b>   | <b>7,452</b>   | <b>8,425</b>   | <b>10,625</b>  | <b>10,611</b>  | <b>0%</b>   | <b>71%</b>  | <b>18,674</b>  | <b>37,113</b>  | <b>99%</b>   |
| <b>APAT</b>                         | <b>6,220</b>   | <b>7,452</b>   | <b>8,425</b>   | <b>12,846</b>  | <b>10,611</b>  | <b>-17%</b> | <b>71%</b>  | <b>18,705</b>  | <b>39,334</b>  | <b>110%</b>  |
| <b>AEPS (Rs)</b>                    | <b>21.7</b>    | <b>25.9</b>    | <b>29.3</b>    | <b>44.7</b>    | <b>36.9</b>    | <b>-17%</b> | <b>70%</b>  | <b>67.5</b>    | <b>136.8</b>   | <b>103%</b>  |
| <b>Segment EBIT</b>                 |                |                |                |                |                |             |             |                |                |              |
| Solar PV                            | 6,777          | 7,258          | 10,648         | 15,267         | 11,060         | -28%        | 63%         | 20,653         | 44,232         | 114%         |
| Margin                              | 19%            | 19%            | 20%            | 22%            | 14%            |             |             | 16%            | 19%            |              |
| EPC                                 | 1,153          | 927            | 1,151          | 1,451          | 1,949          | 34%         | 69%         | 2,735          | 5,478          | 100%         |
| Margin                              | 25%            | 16%            | 15%            | 17%            | 18%            |             |             | 17%            | 16%            |              |
| Power                               | 56             | 78             | 44             | 49             | -66            | NM          | NM          | 219            | 105            | -52%         |
| Margin                              | 66%            | 70%            | 60%            | 53%            | NM             |             |             | 64%            | 18%            |              |
| <b>Capacity (MW)</b>                |                |                |                |                |                |             |             |                |                |              |
| Module                              | 15,000         | 15,000         | 18,700         | 22,800         | 25,800         | 13%         | 72%         | 15,000         | 25,800         | 72%          |
| Cell                                | 5,400          | 5,400          | 5,400          | 5,400          | 5,400          | 0%          | 0%          | 5,400          | 5,400          | 0%           |
| <b>Module production (MW)</b>       | <b>2,060</b>   | <b>2,300</b>   | <b>2,640</b>   | <b>3,510</b>   | <b>4,200</b>   | <b>20%</b>  | <b>104%</b> | <b>7,130</b>   | <b>12,650</b>  | <b>77%</b>   |
| Module utilization                  | 56%            | 62%            | 56%            | 61%            | 66%            |             |             | 40%            | 61%            |              |
| <b>Cell production (MW)</b>         | <b>100</b>     | <b>250</b>     | <b>600</b>     | <b>750</b>     | <b>700</b>     | <b>-7%</b>  | <b>600%</b> | <b>100</b>     | <b>2,300</b>   | <b>2200%</b> |
| Cell utilization                    | 7%             | 18%            | 44%            | 55%            | 53%            |             |             | 0              | 0              |              |
| <b>Orderbook</b>                    | <b>470,000</b> | <b>490,000</b> | <b>470,000</b> | <b>600,000</b> | <b>530,000</b> | <b>-12%</b> | <b>13%</b>  | <b>470,000</b> | <b>530,000</b> | <b>13%</b>   |
| <b>Module realization (USD/Wp)*</b> | <b>0.20</b>    | <b>0.20</b>    | <b>0.23</b>    | <b>0.22</b>    | <b>0.21</b>    | <b>-8%</b>  | <b>2%</b>   | <b>0.22</b>    | <b>0.21</b>    | <b>-2%</b>   |

Source: Company, Emkay Research; \* book realization based on production volume

## Key takeaways from the concall

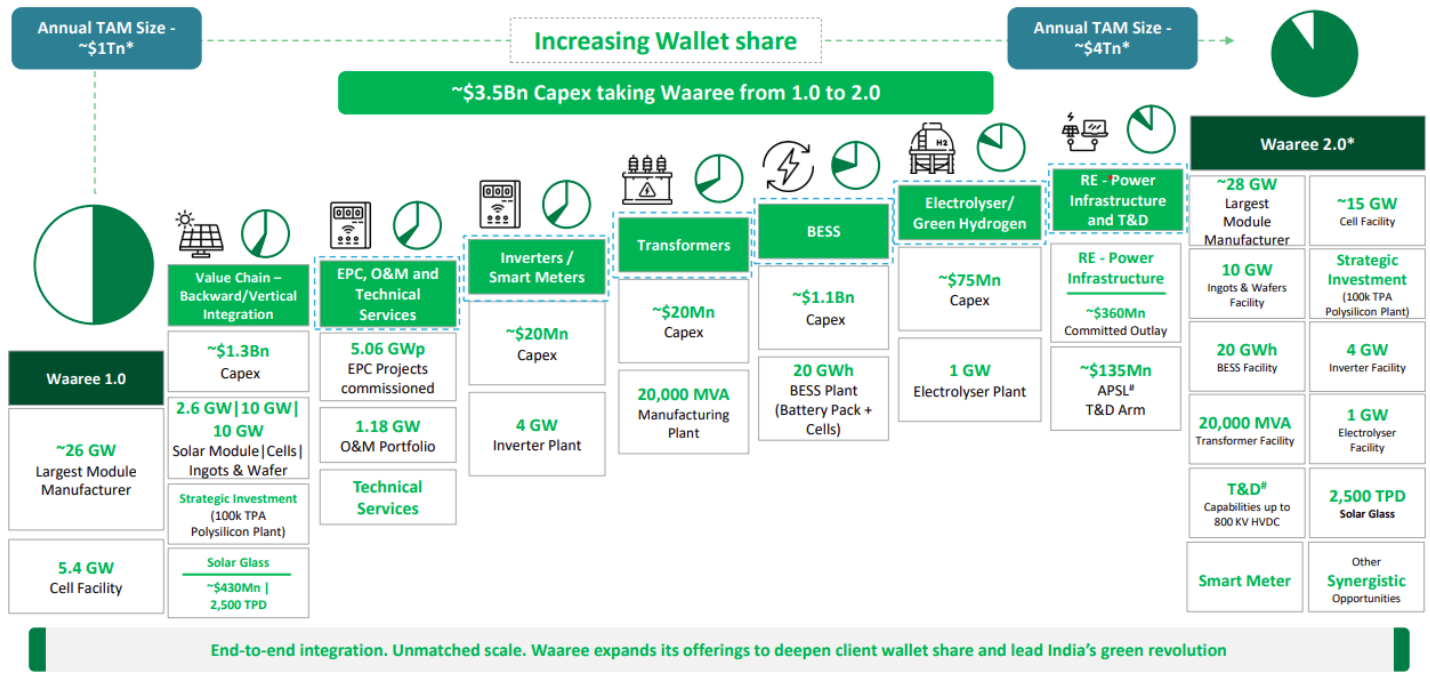
- The dip in Waaree Energies' gross margin in Q4FY26 was due to multiple factors: 1) Middle East conflict affecting inbound and outbound shipping and leading to a spike in logistic costs; 2) commodity crisis leading to an increase in silver and copper prices; 3) a decline in overseas shipment share due to geopolitical factors (higher utility share), and 4) high module utilization, resulting in higher reliance on external DCR cells to meet commitments, with in-house cell lines being converted to G12R. The inventory days also jumped significantly, with OCF conversion being affected. Advances from customers are stable, while production has gone up and signing amounts have declined, though these are expected to normalize as order execution ramps up. Many of these factors are reversing along with pricing adjusted to pass through cost increases and absorbed by customers, although the ME crisis persists.
- Waaree's module production capacity stood at ~26 GW as on FY26-end. It has become the largest non-Chinese module maker in the world. The 5.4 GW cell capacity is fully operational. The order book stood at Rs530bn, with 65-70% being overseas long range to be executed over the next 3-4 years. New order intake slowed in Q4 as the Middle East conflict led to delays by 2 quarters. Domestically, the government has allowed the use of ALMM-I items, although ALMM-II is expected to follow; but customers have deferred decisions to the next quarter. Order pipeline is 100 GW.
- In FY26, 12.6 GW of module and 2.3 GW of cell was produced, while module sold was 12 GW. Utility/retail/overseas/EPC revenue share was 34.7%/20.8%/33.0%/11.6%, with Rs55.2bn being retail revenue, up 84%. In Q4FY26, module production/sales were 4.2/4.1 GW, while cell production was 0.7 GW. In Q4FY26, the share of utility in revenue mix was higher at 41.1% vs 25.1%/21.8% for retail/overseas. 3 GW of EPC is under execution (5 GW executed so far). Non-DCR modules for utility are priced at Rs15-16/w, while retail is higher, with DCR modules at Rs21-22.
- The company's next level initiative Waaree 2.0 encompasses fully integrated energy transition targeting a TAM of USD4trn by 2035 vs USD1trn currently. This would include adjacent segments with solar glass, T&D, smartmeters, etc, being new announcements. Planned capex is Rs300bn, with backward integration expected to yield higher margins and returns. A QIP of up to Rs100bn is planned over the next couple of months, with details/documents to be announced/uploaded soon, subject to shareholder approval. Capital allocation remains disciplined, with project approvals guided by the targeted ROE/ROCE of 20-25%, consistent with historical benchmarks. Similar return profiles are expected from newly approved projects.
- The FY27 Rs70-77bn operating EBITDA guidance is based on cell plant normalization under G12R configuration, along with 10 GW of new cell capacity to be commissioned in H2FY27, which would boost volumes, realization, and margins. For H2FY27, the existing 5.4 GW cell capacity is expected to operate at 90-95% utilization, while the new 10 GW capacity is expected to start contributing, with a 3-6 month ramp-up period. By FY28, the full 15.4 GW capacity is likely to run at 80-85% utilization, with 90-95% of output catering to the domestic market. The cell capacity will be sufficient to fully meet domestic Indian module demand and will be DCR-compliant. Some contribution from BESS is also built in the guidance. FY28 will see commissioning of wafer-ingot facilities, and by FY29 all these are expected to stabilize with full impact.
- The decadal EBITDA margin target for Waaree is ~20%, though in the upcoming period as more in-house cells-wafers-ingots come online, margin profile is likely to improve. The QoQ variation is due to the DCR-retail-overseas revenue mix, which carry higher margins, along with strong performance in the EPC business (good margins). The 42-43 GWpa addition of AC solar power capacity implies 50-55 GW DC modules, and ALMM-II, once implemented, is expected to alter the market dynamics. Current ALMM-II capacity is 30 GW. ALMM-III is also expected to follow thereafter. Effective demand-supply is expected to be balanced. The high-efficiency module market, where Waaree is focused, also has limited supply. For strong performance, the module-to-cell ratio needs to be well balanced. Waaree's EBITDA/w has improved over the years and is a more relevant metric to track vs percentage margins.
- The US situation is comfortable for Waaree, as production has already started there, insulating it from the impact of import duties. The India supply chain is stable wrt non-FEOC components. It is using cells from Ethiopia where duty from the US is 10% against 50-100% for Indonesia-India, where ADDs are imposed by the US. New cell capacities

are also being set up in Oman, also from where Waaree's polysilicon sales will flow, with a 10% US-equivalent duty. Europe and Africa present strong opportunities, while enquiries from the Middle East are also increasing, with demand potential similar to the US. From a current 90% US share in overseas revenue, the mix is expected to become more diversified going ahead.

- European markets, including Italy, are increasingly signalling a shift away from China, and Waaree is positioning itself to cater to this demand. The company already has a dedicated sales team catering to Italy. Over the next 3 years, the share of revenue from non-India and non-US markets is likely to rise to 15–20%. In Europe, demand is skewed toward full EPC/package solutions rather than standalone modules, which favors fully integrated players such as Waaree. Additionally, with IPP project capex in India at USD35–40mn/MW, similar projects in Europe cost 20–30% more, supporting higher realizations in global markets.
- The company supplied over 1 GW of modules to the US in FY26, of which 85–90% was locally manufactured. The company gets IRA benefit of ~USD0.07/Wp, though net realization stands at 87–88%, after including associated costs. IRA benefits totalled ~USD40mn in FY26 and are expected to rise significantly in FY27, driven by the commissioning of 2.6 GW capacity and higher utilization of existing facilities.
- BESS return metrics (ROE/ROCE) are expected to align with the company's current levels. BESS margins are expected at 18–20%, even without policy support. Any future policy incentives could further enhance returns (Waaree is hopeful of policy incentives). Waaree is witnessing strong demand for BESS both domestically and from the Middle East. While it is premature to comment on FY29 revenues, a broad estimate can be derived by multiplying capacity with current average industry prices of USD110–120/kw. Industry estimates suggest annual BESS demand of 60–80GWh in India, with cumulative capacity reaching ~300GWh over the next 5–7 years.
- The glass project (16-17 GW capacity) would support US FEOC compliance, while PLI benefits in India are also expected. With duty protection, RoE-RoCE in glass would be strong. For Waaree, 20% of COGS is glass, and prices rose in Q4 due to ME and China-related issues, making backward integration margin-accretive. Glass production is expected to start in two years. The G12R transition has been completed for 3 TOPCon lines, with another 5 to be converted by Q1-Q2FY27. Three of the eleven lines are mono-perc. G12R is expected to increase capacity by 10-12% enabling production of up to 650 wp modules vs 580wp for M10R, with better realizations due to higher efficiency of 25.4%.
- The Indian market is witnessing an early traction in green hydrogen, ammonia, and related derivatives. The company has already received customer interest for supplying these products. Further, discussions are ongoing around hydrogen blending with gas. The semiconductor venture would produce diodes for the in-house inverter facility in Gujarat.

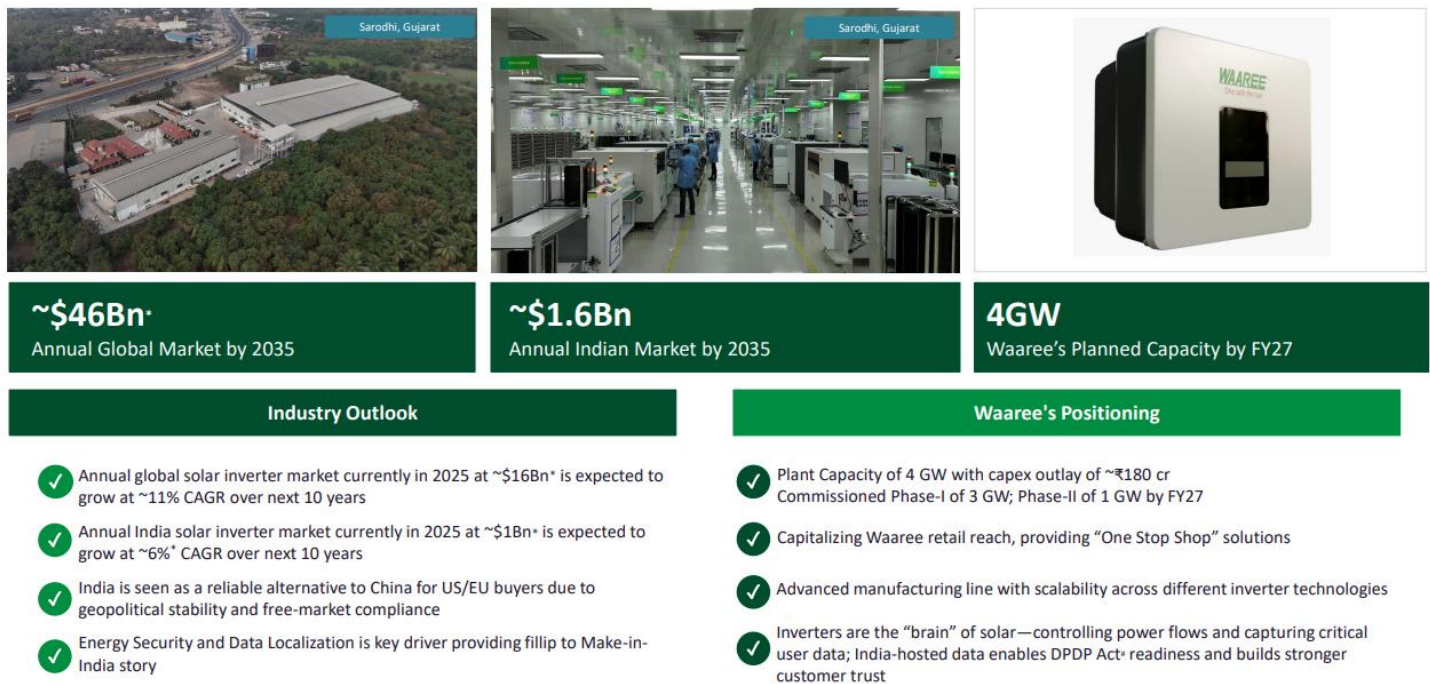
This report is intended for Team White Marquee Solutions (team.emkay@whitemarquesolutions)

Exhibit 3: Waaree 2.0 – A fully integrated energy transition player



Source: Company, Emkay Research

Exhibit 4: Solar inverter ecosystem



Source: Company, Emkay Research

This report is intended for Team White Marque Solutions (team.emkay@whitemarqueresolutions.com)

**Exhibit 5: Transformer foray**



**~\$132Bn**

Annual Global Market by 2035

**~\$6.5Bn\***

Annual Indian Market by 2035

**20,000 MVA**

Waaree's Planned Capacity

**Industry Outlook**

- ✓ Annual Global transformer market currently in 2025 at ~\$68Bn is expected to grow at ~7% CAGR over next 10 years
- ✓ Annual India transformer market currently in 2025 at ~\$3Bn is expected to grow at ~8% CAGR over next 10 years
- ✓ Total outlay of ~\$33Bn\* under Revamped Distribution Sector Scheme (RDSS)
- ✓ Distribution Transformer sanctioned ~5.89 lacs vs installed ~1.75 lacs pointing to huge supply gap under RDSS

**Waaree's Positioning**

- ✓ Current Capacity – 4,000 MVA  
Additional Capacity – 16,000 MVA
- ✓ Planned capex ~₹192 Cr
- ✓ Planning to expand the product portfolio: Distribution Transformers; Inverter Duty Transformers; Extra High Voltage Transformers
- ✓ Order book of ₹266 Cr including a large order from a global MNC validating our quality benchmarks and global aspirations

Source: Company, Emkay Research

**Exhibit 6: BESS investments**



**~1 TWh**

Global Annual BESS Addition by 2035

**~100 GWh\***

India Annual BESS and EV Addition by 2035

**20 GWh**

Waaree's Planned Capacity by FY28

**Industry Outlook**

- ✓ Annual global BESS addition ~1 TWh by 2035E (247 GWh 2025)
- ✓ India BESS Installed Capacity to increase to 236 GWh by FY32 from 1.1GWh during 2025
- ✓ India to add ~80 GWh\* annually between FY27-35 primarily driven by BESS and EV segment
- ✓ Grid stability and curtailment is increasing demand for BESS. Increasing Demand for local infrastructure
- ✓ Mandatory requirement of minimum 2 hrs duration ESS for solar PV tenders

**Waaree's Positioning**

- ✓ Plant capacity: 20 GWh by FY28; Phase-I 3.5GWh by FY27; Phase-II 16.5 GWh by FY28
- ✓ Capex outlay of ~₹10,000 Cr and raised ~ ₹ 1,000 cr equity till date
- ✓ Facility will emerge as one of India's largest integrated Advanced Cell Chemistry Cell and Pack manufacturing hub
- ✓ Offering includes LFP Cells, Pack, Container and further backward integration to indigenize large part of the value chain
- ✓ BESS (Utilities, C&I, Residential)

Source: Company, Emkay Research

This report is intended for Team White Marque Solutions (team.emkay@whitemarqueresolutions)

**Exhibit 7: Electrolyser plans**



Dungri, Gujarat



**~\$231Bn**

Annual Global Green Hydrogen Market by 2035

**~\$12Bn**

Annual Global Green Hydrogen Market in 2025

**1 GW**

Waaree's Planned Capacity by FY27

**Industry Outlook**

- ✓ Global Green Hydrogen market currently in 2025 at ~\$12Bn is expected to grow at ~34% CAGR over next 10 years
- ✓ Expected investment of ~\$89Bn\* to support National Green Hydrogen Mission (NGHM)
- ✓ NGHM targets green hydrogen production of 5 MMTPA by 2030, equivalent to 40-60GW\* of electrolyzer demand
- ✓ Target segment: Refinery, Fertilizer, Chemicals, Steel, Specialty Chemicals, Mobility

**Waaree's Positioning**

- ✓ Target capacity of 1 GW by FY2027 with planned capex ~₹676 Cr
- ✓ Electrolyser PLI for 300 MW worth ₹ 444 Cr and Hydrogen production PLI for 90,000 TPA worth ₹510 Cr
- ✓ Starting with electrolyser manufacturing, Build Own Operate (BOO) Projects and transitioning to green derivatives
- ✓ In India we have already secured an order book of ~₹ 152Cr

Source: Company, Emkay Research

**Exhibit 8: RE power generation profile**



Rubamin, Gujarat\*



O&M Continuum, Gujarat\*



Arcelor Mittal, AP\*

**713MW/1044MWp**

PPA signed

**~8 GW**

Renewable / BESS Projects pipeline

**₹3,250+ Cr\***

Total Commitment

**Industry Outlook**

- ✓ Critical infrastructure for the entire value chain drives demand for data center, green hydrogen
- ✓ Utilities and corporates seeking renewable solutions, optimizing LCOE and backed by secured infrastructure
- ✓ Robust frameworks allowing bankable power purchase agreements (PPAs) providing the required financial predictability
- ✓ Strong interest from domestic and foreign investors, with large M&A and PE deals in the sector

**Waaree's Positioning**

- ✓ PPA signed for 713MW/1044MWp and with creditworthy utilities and global C&Is
- ✓ Secured connectivity for developing ~8 GW Projects comprising of solar, wind and BESS across central and state transmission network
- ✓ Total Commitment of ₹3,250+ cr\*
- ✓ Building a de-risked value driven IPP portfolio for marquee clients and creating long-term order visibility for the group
- ✓ Targeting marquee C&Is, Utilities and Global RE Investors

Source: Company, Emkay Research

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**Exhibit 9: Backward integration to solar glass**



**~5,400 TPD**

Supply Gap (India 2030)

**5-Year**

Anti-Dumping Duty on China/Vietnam

**2,500 TPD**

**Industry Outlook**

- ✓ India domestic demand set to grow 7–8% CAGR through 2033; global PV glass demand projected at 1,32,000–1,41,000 TPD by 2030\*
- ✓ India's PV glass demand projected at ~17,386 TPD by 2030, versus 12,000 TPD domestic capacity, leaving a ~5,400 TPD gap
- ✓ Glass accounts for ~23% of module cost and ~75% of module weight, making it a critical component influencing module quality, efficiency, and durability
- ✓ 5-Year Anti-Dumping Duty imposed on Chinese & Vietnamese solar glass (effective Dec 2024); creating a structurally protected domestic market

**Waaree's Positioning**

- ✓ Target plant capacity of 2,500 TPD, capacity is enough to produce ~17GW of module annually
- ✓ Planned Capex: ₹3,900 Cr
- ✓ Waaree has substantial requirement for FEOC compliant glass, ensuring offtake from day 1
- ✓ Total cost at target yield: would be cheaper than Chinese landed cost providing strong margin cushion on current pricing

Source: Company, Emkay Research

**Exhibit 10: EPC business**



**~\$250Bn\***

Annual Global Solar EPC and O&M Market by 2035

**~\$25Bn\***

Annual Indian Solar EPC and O&M Market by 2035

**~3 GWp**

Waaree's Projects Under Execution

**Industry Outlook**

- ✓ Annual Global solar EPC and O&M market currently in 2025 at ~\$115Bn is expected to grow at ~8% CAGR over next 10 years\*
- ✓ Annual India solar EPC and O&M market currently in 2025 at ~\$6Bn is expected to grow at ~6% CAGR over next 10 years\*
- ✓ Robust demand for solar installations, offers a tremendous opportunities for scalable players with proven execution track record
- ✓ Indian market lacks reliable and large-scale EPC contractors in the industry

**Waaree's Positioning**

- ✓ Fully integrated EPC player—from concept to commissioning & O&M—with a proven track record serving marquee clients
- ✓ Executed 5+ GWp with ~3 GWp under execution; expanding into T&D via acquisition\*, with ~3x revenue visibility
- ✓ Demonstrated history of scalability and financial performance backed by an asset light business model

Source: Company, Emkay Research

This report is intended for Team White Marque Solutions (team.emkay@whitemarqueresolutions.com)

**Exhibit 11: Waaree's SOTP-based valuation – Core PV business at 14x FY28E EV/EBITDA**

| <b>Consolidated (Mar-27E)</b>                         | <b>(Rs bn)</b>   |
|---|------------------|
| EBITDA  | 91,490           |
| Target EV/EBITDA (X)                                  | 14.0             |
| <b>EV</b>   | <b>1,280,855</b> |
| Net debt (Mar-27E end)                                | -29,673          |
| <b>Equity value</b>                                   | <b>1,310,528</b> |
| Minority interest                                     | 2,091            |
| Target PE (X)   | 20.0             |
| Value of net minority                                 | 41,830           |
| <b>Target equity value</b>                            | <b>1,268,699</b> |
| <b>Target equity value/share – Core business (Rs)</b> | <b>4,208</b>     |
| Equity investment in BESS                             | 6,219            |
| Target P/B (X)  | 2.5              |
| Value of investment in BESS                           | 15,548           |
| <b>Value of investment in BESS/share (Rs)</b>         | <b>52</b>        |
| <b>Target price (Rs)</b>                              | <b>4,260</b>     |

Source: Emkay Research

This report is intended for Team White Marque Solutions (team.emkay@whitemarqueresolutions)

## Waaree Energies: Consolidated financials and valuations

### Profit & Loss

| Y/E March (Rs mn)           | FY25           | FY26           | FY27E          | FY28E          | FY29E          |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|
| <b>Revenue</b>              | <b>144,445</b> | <b>265,368</b> | <b>344,723</b> | <b>404,402</b> | <b>441,513</b> |
| Revenue growth (%)          | 26.7           | 83.7           | 29.9           | 17.3           | 9.2            |
| <b>EBITDA</b>               | <b>27,216</b>  | <b>59,086</b>  | <b>74,237</b>  | <b>91,490</b>  | <b>97,644</b>  |
| EBITDA growth (%)           | 72.9           | 117.1          | 25.6           | 23.2           | 6.7            |
| Depreciation & Amortization | 4,025          | 9,897          | 16,059         | 24,322         | 31,147         |
| <b>EBIT</b>                 | <b>23,192</b>  | <b>49,189</b>  | <b>58,178</b>  | <b>67,167</b>  | <b>66,497</b>  |
| EBIT growth (%)             | 78.7           | 112.1          | 18.3           | 15.5           | (1.0)          |
| Other operating income      | 690            | 750            | 2,448          | 4,398          | 4,425          |
| Other income                | 4,016          | 7,082          | 7,502          | 7,791          | 8,443          |
| Financial expense           | 1,521          | 2,805          | 3,997          | 3,570          | 608            |
| <b>PBT</b>                  | <b>25,687</b>  | <b>53,466</b>  | <b>61,683</b>  | <b>71,389</b>  | <b>74,333</b>  |
| Extraordinary items         | (40)           | (2,948)        | 0              | 0              | 0              |
| Taxes                       | 6,365          | 11,676         | 15,544         | 17,990         | 18,732         |
| Minority interest           | (607)          | (1,729)        | (1,901)        | (2,091)        | (2,301)        |
| Income from JV/Associates   | -              | -              | -              | -              | -              |
| <b>Reported PAT</b>         | <b>18,674</b>  | <b>37,113</b>  | <b>44,237</b>  | <b>51,307</b>  | <b>53,301</b>  |
| PAT growth (%)              | 50.9           | 98.7           | 19.2           | 16.0           | 3.9            |
| <b>Adjusted PAT</b>         | <b>18,704</b>  | <b>39,379</b>  | <b>44,237</b>  | <b>51,307</b>  | <b>53,301</b>  |
| <b>Diluted EPS (Rs)</b>     | <b>64.6</b>    | <b>136.1</b>   | <b>152.9</b>   | <b>177.3</b>   | <b>184.2</b>   |
| Diluted EPS growth (%)      | 89.6           | 110.5          | 12.3           | 16.0           | 3.9            |
| <b>DPS (Rs)</b>             | <b>0</b>       | <b>2.1</b>     | <b>8.0</b>     | <b>9.2</b>     | <b>19.2</b>    |
| <b>Dividend payout (%)</b>  | <b>0</b>       | <b>1.6</b>     | <b>5.2</b>     | <b>5.2</b>     | <b>10.4</b>    |
| EBITDA margin (%)           | 18.8           | 22.3           | 21.5           | 22.6           | 22.1           |
| EBIT margin (%)             | 16.1           | 18.5           | 16.9           | 16.6           | 15.1           |
| Effective tax rate (%)      | 24.8           | 21.8           | 25.2           | 25.2           | 25.2           |
| <b>NOPLAT (pre-IndAS)</b>   | <b>17,445</b>  | <b>38,447</b>  | <b>43,517</b>  | <b>50,241</b>  | <b>49,740</b>  |
| Shares outstanding (mn)     | 289            | 289            | 289            | 289            | 289            |

Source: Company, Emkay Research

### Cash flows

| Y/E March (Rs mn)            | FY25            | FY26            | FY27E           | FY28E           | FY29E          |
|------------------------------|-----------------|-----------------|-----------------|-----------------|----------------|
| PBT (ex-other income)        | 21,671          | 46,384          | 54,181          | 63,597          | 65,890         |
| Others (non-cash items)      | 4,515           | 6,321           | 7,502           | 7,791           | 8,443          |
| Taxes paid                   | (7,428)         | (11,490)        | (15,544)        | (17,990)        | (18,732)       |
| Change in NWC                | 11,574          | (31,398)        | 20,001          | 1,994           | 3,565          |
| <b>Operating cash flow</b>   | <b>31,582</b>   | <b>16,270</b>   | <b>78,694</b>   | <b>75,493</b>   | <b>82,477</b>  |
| Capital expenditure          | (32,726)        | (48,355)        | (100,000)       | (20,000)        | (5,000)        |
| Acquisition of business      | 0               | 0               | 0               | 0               | 0              |
| Interest & dividend income   | 2,983           | 5,428           | 7,502           | 7,791           | 8,443          |
| <b>Investing cash flow</b>   | <b>(68,084)</b> | <b>(39,532)</b> | <b>(94,300)</b> | <b>(13,662)</b> | <b>2,391</b>   |
| Equity raised/(repaid)       | 35,080          | 15,405          | 1,918           | 2,091           | 2,301          |
| Debt raised/(repaid)         | 6,221           | 15,521          | 50,085          | (65,000)        | (5,000)        |
| Payment of lease liabilities | (309)           | (3,008)         | 361             | 379             | 398            |
| Interest paid                | (636)           | (1,611)         | (3,997)         | (3,570)         | (608)          |
| Dividend paid (incl tax)     | 0               | (575)           | (2,307)         | (2,670)         | (5,560)        |
| Others                       | 35,831          | (12,663)        | 0               | 0               | 0              |
| <b>Financing cash flow</b>   | <b>76,188</b>   | <b>13,068</b>   | <b>46,060</b>   | <b>(68,770)</b> | <b>(8,469)</b> |
| Net chg in Cash              | 39,687          | (10,194)        | 30,454          | (6,939)         | 76,399         |
| OCF                          | 31,582          | 16,270          | 78,694          | 75,493          | 82,477         |
| Adj. OCF (w/o NWC chg.)      | 20,009          | 47,668          | 58,693          | 73,500          | 78,912         |
| FCFF                         | (1,144)         | (32,085)        | (21,306)        | 55,493          | 77,477         |
| FCFE                         | 318             | (29,463)        | (17,801)        | 59,715          | 85,313         |
| OCF/EBITDA (%)               | 116.0           | 27.5            | 106.0           | 82.5            | 84.5           |
| FCFE/PAT (%)                 | 1.7             | (79.4)          | (40.2)          | 116.4           | 160.1          |
| <b>FCFF/NOPLAT (%)</b>       | <b>(6.6)</b>    | <b>(83.5)</b>   | <b>(49.0)</b>   | <b>110.5</b>    | <b>155.8</b>   |

Source: Company, Emkay Research

### Balance Sheet

| Y/E March (Rs mn)                     | FY25            | FY26            | FY27E           | FY28E           | FY29E           |
|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Share capital                         | 2,873           | 2,877           | 2,894           | 2,894           | 2,894           |
| Reserves & Surplus                    | 91,919          | 141,497         | 185,329         | 236,058         | 286,099         |
| <b>Net worth</b>                      | <b>94,792</b>   | <b>144,373</b>  | <b>188,222</b>  | <b>238,951</b>  | <b>288,992</b>  |
| Minority interests                    | 1,161           | 5,736           | 7,637           | 9,728           | 12,029          |
| Non-current liab. & prov.             | 413             | 1,303           | 1,303           | 1,303           | 1,303           |
| <b>Total debt</b>                     | <b>9,395</b>    | <b>24,915</b>   | <b>75,000</b>   | <b>10,000</b>   | <b>5,000</b>    |
| <b>Total liabilities &amp; equity</b> | <b>117,567</b>  | <b>189,046</b>  | <b>286,955</b>  | <b>276,287</b>  | <b>324,853</b>  |
| Net tangible fixed assets             | 40,383          | 72,751          | 101,459         | 177,136         | 150,989         |
| Net intangible assets                 | 63              | 265             | 265             | 265             | 265             |
| Net ROU assets                        | -               | -               | -               | -               | -               |
| Capital WIP                           | 18,841          | 34,767          | 90,000          | 10,000          | 10,000          |
| Goodwill                              | 63              | 265             | 265             | 265             | 265             |
| Investments [JV/Associates]           | 0               | 2,923           | 2,923           | 2,923           | 2,923           |
| <b>Cash &amp; equivalents</b>         | <b>78,125</b>   | <b>73,889</b>   | <b>104,673</b>  | <b>98,081</b>   | <b>174,844</b>  |
| Current & ex-cash                     | 53,443          | 101,881         | 118,349         | 138,535         | 151,578         |
| Current Liab. & Prov.                 | 79,907          | 112,108         | 149,701         | 172,883         | 189,992         |
| <b>NWC (ex-cash)</b>                  | <b>(26,464)</b> | <b>(10,227)</b> | <b>(31,352)</b> | <b>(34,348)</b> | <b>(38,413)</b> |
| <b>Total assets</b>                   | <b>117,567</b>  | <b>189,046</b>  | <b>286,955</b>  | <b>276,287</b>  | <b>324,853</b>  |
| Net debt                              | (68,730)        | (48,974)        | (29,673)        | (88,081)        | (169,844)       |
| Capital employed                      | 117,567         | 189,046         | 286,955         | 276,287         | 324,853         |
| <b>Invested capital</b>               | <b>14,046</b>   | <b>63,053</b>   | <b>70,635</b>   | <b>143,318</b>  | <b>113,105</b>  |
| BVPS (Rs)                             | 327.6           | 499.0           | 650.5           | 825.8           | 998.8           |
| Net Debt/Equity (x)                   | (0.7)           | (0.3)           | (0.2)           | (0.4)           | (0.6)           |
| Net Debt/EBITDA (x)                   | (2.5)           | (0.8)           | (0.4)           | (1.0)           | (1.7)           |
| Interest coverage (x)                 | 17.9            | 20.1            | 16.4            | 21.0            | 123.4           |
| <b>RoCE (%)</b>                       | <b>36.3</b>     | <b>40.1</b>     | <b>29.5</b>     | <b>28.3</b>     | <b>26.5</b>     |

Source: Company, Emkay Research

### Valuations and key Ratios

| Y/E March                | FY25          | FY26          | FY27E         | FY28E         | FY29E         |
|--------------------------|---------------|---------------|---------------|---------------|---------------|
| P/E (x)                  | 48.0          | 24.2          | 20.4          | 17.6          | 16.9          |
| EV/CE(x)                 | 7.9           | 4.8           | 3.2           | 3.1           | 2.4           |
| P/B (x)                  | 9.5           | 6.3           | 4.8           | 3.8           | 3.1           |
| EV/Sales (x)             | 5.8           | 3.2           | 2.5           | 2.0           | 1.7           |
| EV/EBITDA (x)            | 30.4          | 14.4          | 11.8          | 8.9           | 7.5           |
| EV/EBIT(x)               | 35.7          | 17.2          | 15.0          | 12.1          | 11.0          |
| EV/IC (x)                | 58.9          | 13.5          | 12.4          | 5.7           | 6.5           |
| FCFF yield (%)           | (0.1)         | (3.8)         | (2.4)         | 6.8           | 10.6          |
| FCFE yield (%)           | -             | (3.3)         | (2.0)         | 6.7           | 9.5           |
| Dividend yield (%)       | 0             | 0.1           | 0.3           | 0.3           | 0.6           |
| <b>DuPont-RoE split</b>  |               |               |               |               |               |
| Net profit margin (%)    | 12.9          | 14.0          | 12.8          | 12.7          | 12.1          |
| Total asset turnover (x) | 1.6           | 1.7           | 1.4           | 1.4           | 1.5           |
| Assets/Equity (x)        | 1.3           | 1.3           | 1.4           | 1.3           | 1.1           |
| <b>RoE (%)</b>           | <b>27.5</b>   | <b>31.0</b>   | <b>26.6</b>   | <b>24.0</b>   | <b>20.2</b>   |
| <b>DuPont-RoIC</b>       |               |               |               |               |               |
| NOPLAT margin (%)        | 12.1          | 14.5          | 12.6          | 12.4          | 11.3          |
| IC turnover (x)          | 16.7          | 6.9           | 5.2           | 3.8           | 3.4           |
| <b>RoIC (%)</b>          | <b>201.8</b>  | <b>99.7</b>   | <b>65.1</b>   | <b>47.0</b>   | <b>38.8</b>   |
| <b>Operating metrics</b> |               |               |               |               |               |
| Core NWC days            | (66.9)        | (14.1)        | (33.2)        | (31.0)        | (31.8)        |
| <b>Total NWC days</b>    | <b>(66.9)</b> | <b>(14.1)</b> | <b>(33.2)</b> | <b>(31.0)</b> | <b>(31.8)</b> |
| Fixed asset turnover     | 4.1           | 3.7           | 3.0           | 2.2           | 1.8           |
| Opex-to-revenue (%)      | 10.6          | 15.4          | 15.4          | 15.4          | 15.4          |

Source: Company, Emkay Research

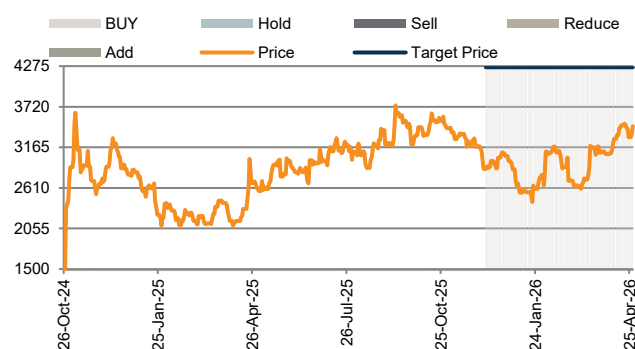
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**RECOMMENDATION HISTORY - DETAILS**

| Date      | Closing Price (Rs) | TP (Rs) | Rating | Analyst        |
|-----------|--------------------|---------|--------|----------------|
| 26-Feb-26 | 2,718              | 4,260   | Buy    | Sabri Hazarika |
| 23-Jan-26 | 2,599              | 4,260   | Buy    | Sabri Hazarika |
| 21-Dec-25 | 3,026              | 4,260   | Buy    | Sabri Hazarika |
| 07-Dec-25 | 2,871              | 4,260   | Buy    | Sabri Hazarika |

Source: Company, Emkay Research

**RECOMMENDATION HISTORY - TREND**



Source: Company, Bloomberg, Emkay Research

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