

MCX

| Estimate change | ↓ |
|-----------------|----------|
| TP change | I I |
| Rating change | ← |

| Bloomberg | MCX IN |
|-----------------------|-------------|
| Equity Shares (m) | 51 |
| M.Cap.(INRb)/(USDb) | 67.4 / 0.8 |
| 52-Week Range (INR) | 1697 / 1154 |
| 1, 6, 12 Rel. Per (%) | -13/-13/-10 |
| 12M Avg Val (INR M) | 521 |

Financials & Valuations (INR b)

| Y/E Mar | 2023 | 2024E | 2025E |
|-----------------|-------|-------|-------|
| Sales | 5.1 | 5.6 | 6.1 |
| EBIT Margin (%) | 24.9 | 39.5 | 48.5 |
| PAT | 1.5 | 2.2 | 2.8 |
| EPS (INR) | 29.2 | 43.0 | 54.7 |
| EPS Gr. (%) | 3.8 | 47.1 | 27.3 |
| BV/Sh. (INR) | 290.1 | 298.7 | 309.6 |
| Ratios | | | |
| RoE (%) | 10.3 | 14.6 | 18.0 |
| Valuations | | | |
| P/E (x) | 45.2 | 30.7 | 24.1 |
| P/BV (x) | 4.6 | 4.4 | 4.3 |
| Div Yield (%) | 1.4 | 2.7 | 2.7 |

Shareholding pattern (%)

| As on | Mar-23 | Dec-22 | Mar-22 |
|----------|--------|--------|--------|
| Promoter | 0.0 | 0.0 | 0.0 |
| DII | 52.7 | 52.8 | 48.3 |
| FII | 27.1 | 26.0 | 26.7 |

FII Includes depository receipts

CMP: INR1,321 TP: INR1,300 (-2%) Neutral

Software transition remains an overhang

- MCX's net profit declined 85% YoY to INR55m (79% below our estimate) in 4QFY23, due to higher-than-expected costs and tax.
- Total volumes grew 61% YoY to INR42t, in line with expectations. However, total revenue at INR1.34b missed our estimate by 5%.
- Futures volumes declined 22% YoY to INR13t, while option volumes saw strong growth of 15% QoQ to INR28.9t.
- Staff expenses at INR234m jumped 28% YoY. Software expenses were in line with our expectation of INR874m, up 29% sequentially. The cost increase was a result of a higher payout for extending the contract with 63moons.
- The total operating loss came in at INR37m v/s our estimate of EBIT of INR98m. EBIT margin stood at -2.8% v/s 47% in 4QFY22 and 20% in 3QFY23.
- Other income grew 38% YoY to INR201m (est. INR229m). The tax rate stood at 52.6%, much higher than our expectation of 22.1%.
- Net profit plunged 85% YoY to INR55m (79% below our estimate).
- For FY23, revenues/PAT grew 40%/4%, while EBIT declined 8% YoY.
- The board has declared a final dividend of INR19.09 per share for FY23.
- We have cut our FY24E/FY25E EPS by 13%/12% to factor in the impact of technology transition and a lower option premium turnover-to-notional turnover ratio. We value the stock at 24xFY25E EPS to arrive at a TP of INR1,300 (2% downside at CMP). We reiterate our Neutral rating on the stock.

Energy and bullion drive overall volume growth

- Volumes in the Energy segment rose 102% YoY due to a 109%/71% YoY jump in crude oil/natural gas volumes.
- Bullion volumes rose 31% YoY due to a 29%/35% YoY rise in gold/silver volumes.
- Total base metal volumes dropped 39% YoY owing to a 42%/6% YoY decline in Aluminum/Copper volumes.

Key takeaways from the management commentary

- Several mock tests have been conducted with members over the past few months. About 96/97% of the check cases have been cleared. There are some complexities in extreme cases. Along with mock tests, cyber audits and system audits have been conducted simultaneously.
- CWIP and intangible assets under development accounted for INR1.7b (as of Mar'23) and the same is for the tech transition. After capitalization, depreciation on these assets would be spread over 6-8 years.
- MCX plans to launch Steel TMT bars after its transition to the tech platform.

MOTILAL OSWAL MCX

Cut in estimates; reiterate Neutral

The software migration issue has been pending for the past several quarters. After conducting several mock tests, the management is now confident of completing the transition by Jun'23-end. We believe that the impact of technological transition and lower option premium turnover would lower the profitability. Thus, the migration will not add meaningfully to profits at the current volume run rate. As a result, we cut our earnings estimates for FY24/FY25 by 13%/12%. However, over the medium term, the launch of new contracts on the TCS software will help MCX scale up volumes. We value the stock at 24xFY25E EPS to arrive at a TP of INR1,300 (2% downside). We reiterate our Neutral rating on the stock.

| Quarterly Performance | | | | | | | | | | | | | | (INR m) |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|
| | | FY | 22 | | | FY | /23 | | FY22 | FY23 | Est. | Var. | YoY | QoQ |
| | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q | | | 4Q | (%/bp) | (%) | (%) |
| Sales | 876 | 832 | 896 | 1,065 | 1,088 | 1,274 | 1,436 | 1,338 | 3,668 | 5,135 | 1,405 | (4.8) | 25.6 | (6.8) |
| Yo-Y Gr. (%) | 20.0 | -30.5 | -11.2 | 9.8 | 24.2 | 53.1 | 60.3 | 25.6 | -6.1 | 40.0 | 32.0 | -638bp | 1585bp | -3469bp |
| Staff Costs | 208 | 206 | 204 | 182 | 227 | 229 | 229 | 234 | 800 | 919 | 211 | 10.8 | 28.5 | 2.3 |
| Other expenses | 300 | 288 | 309 | 350 | 368 | 389 | 879 | 1,083 | 1,247 | 2,719 | 1,054 | 2.7 | 209.4 | 23.1 |
| EBITDA | 369 | 338 | 382 | 532 | 493 | 656 | 327 | 21 | 1,621 | 1,497 | 140 | (85.2) | (96.1) | (93.7) |
| Depreciation | 67 | 66 | 67 | 27 | 58 | 58 | 43 | 58 | 227 | 216 | 42 | 37.8 | 112.1 | 36.2 |
| EBIT | 302 | 272 | 315 | 505 | 435 | 598 | 285 | -37 | 1,394 | 1,281 | 98 | (138.0) | (107.4) | (113.1) |
| Margins (%) | 34.5 | 32.7 | 35.2 | 47.4 | 40.0 | 47.0 | 19.8 | -2.8 | 38.0 | 24.9 | 7.0 | -975bp | -5023bp | -2263bp |
| Interest Costs | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 3 | 2 | 1 | | 0 | (11.1) |
| Other Income | 213 | 161 | 145 | 146 | 93 | 182 | 201 | 201 | 665 | 677 | 229 | (12.5) | 37.7 | - |
| PBT bef. Exceptional items | 515 | 432 | 460 | 650 | 527 | 781 | 485 | 163 | 2,057 | 1,955 | 326 | (50.1) | -75.0 | (66.4) |
| Tax | 116 | 100 | 111 | 79 | 106 | 135 | 90 | 86 | 407 | 416 | 72 | 18.6 | 7.8 | (4.8) |
| Rate (%) | 22.5 | 23.2 | 24.1 | 12.2 | 20.1 | 17.2 | 18.5 | 52.6 | 19.8 | 21.3 | 22.1 | 3045bp | 4037bp | 3404bp |
| Profit from associate | -1 | -5 | -5 | 0 | -6 | -5 | -7 | -23 | -12 | -50 | | | | |
| PAT | 398 | 327 | 344 | 366 | 415 | 641 | 388 | 55 | 1,435 | 1,490 | 257 | (78.8) | (85.1) | (85.9) |
| Y-o-Y Gr. (%) | -29.5 | -44.2 | -52.1 | -4.7 | 4.3 | 96.4 | 12.9 | -85.1 | -36.3 | 3.8 | -29.9 | | -8044bp | -9802bp |
| EPS (INR) | 7.8 | 6.4 | 6.8 | 7.2 | 8.2 | 12.6 | 7.6 | 1.1 | 28.1 | 29.2 | 5.1 | (78.8) | (85.1) | (85.9) |
| Total volumes (INR t) | 19.2 | 21.0 | 21.6 | 26.1 | 28.7 | 35.9 | 40.7 | 42.0 | 87.8 | 147.3 | 42.3 | (0.8) | 60.7 | 3.0 |
| Q-o-Q Gr. (%) | -5.5 | 9.7 | 2.7 | 21.1 | 9.8 | 25.4 | 13.4 | 3.0 | | | 3.8 | | | |
| Y-o-Y Gr. (%) | 32.0 | -17.7 | 0.6 | 28.9 | 49.6 | 71.2 | 89.0 | 60.7 | 7.5 | 67.7 | 62.0 | | | |



Key takeaways from the management commentary

Technological transition

- Technology migration costs (software charges) have dragged down profits. MCX has incurred an additional INR810m in software charges paid to the existing vendor, 63moons. The technological transformation is expected to be completed before 30th Jun'23.
- Several mock tests have been conducted with members over the past few months, and about 96-97% of the check cases have been cleared. There are some complexities in extreme cases, e.g., a contract with multiple expiries.
- The tech platform has gone through regulatory testing. MCX has been updating SEBI at each and every step.
- About 170-180 unique members have participated in recent mock trails. Along with mock tests, cyber audits and system audits have been conducted simultaneously. These audits are expected to be completed within two weeks.

Business

- In FY23, the UCC count stood at 0.62m, up 32% YoY.
- The CTO's departure has been planned much earlier and has no linkage to the technological transition.
- MCX has a perpetual license contract with TCS. It is a six-year contract. AMC charges on the contract will begin from the 2nd year. Going ahead, AMC costs would be less than INR100m. Additionally, the costs will be incurred for other ancillary software.
- MCX would be watchful on the NSE's launch of NYMEX WTI Crude Oil and Natural Gas futures contracts in its commodity derivatives segment.
- The loss from the associate in 4QFY23 was due to the start of IIBX operations.
- MCX has launched three mini futures contracts, including crude oil and natural gas. Further, in base metals, Nickel and Copper mini contracts were launched. MCX plans to launch Steel TMT bars after the transition to the tech platform. MCX has sought SEBI approval for the launch of mini futures contracts in Zinc and Nickel. It is pertinent to note that the launch of options contracts requires a minimum average volume of INR10b.
- The Coal Ministry has permitted spot exchange and the same is expected to start operations by FY24-end.

Financials

- 4QFY23 revenue contribution: ~49% from options and ~51% from futures. FY23 revenue contribution: ~41% from options and ~59% from futures. Globally, options contributed ~20% and futures contributed ~80%.
- Other expenses rose as CSR expenses for the year were booked in 4QFY23.
- CWIP and intangible assets under development accounted for INR1700m (as of Mar'23) and the same is for the tech transition. After capitalization, the depreciation on these assets would be spread over 6-8 years.
- Based on budgeted accounting, the tax charges for the quarter were higher than expected. The tax rate for FY24 would be in the same range as in FY23.

Exhibit 1: Volume-wise performance

| EXHIBIT 1. VOIGING-WI | 3QFY21 | 4QFY21 | 1QFY22 | 2QFY22 | 3QFY22 | 4QFY22 | 1QFY23 | 2QFY23 | 3QFY23 | 4QFY23 |
|-----------------------|--------|---------|--------|----------|--------|--------|--------|--------|--------|--------------------|
| Volumes (INR b) | 3Q1121 | 70(1121 | 101122 | ZQITZZ | 3Q1122 | 7Q1122 | 101123 | 2Q1123 | 3Q1123 | 1 Q1123 |
| Agro Commodities | 280 | 389 | 383 | 269 | 286 | 183 | 118 | 42 | 41 | 11 |
| Base Metals | 4,332 | 4,467 | 4,427 | 3,743 | 3,544 | 3,376 | 2,131 | 2,643 | 2,639 | 2,067 |
| Bullion | 11,421 | 10,228 | 8,099 | 6,844 | 6,677 | 7,417 | 7,013 | 7,863 | 8,892 | 9,752 |
| Energy | 5,198 | 5,479 | 6,040 | 9,944 | 10,798 | 14,926 | 19,322 | 25,334 | 29,121 | 30,086 |
| Index | 204 | 207 | 206 | 200 | 252 | 201 | 72 | 62 | 54 | 39 |
| Total | 21,435 | 20,769 | 19,155 | 21,001 | 21,558 | 26,104 | 28,655 | 35,944 | 40,748 | 41,954 |
| Mix (%) | 21,433 | 20,703 | 19,133 | 21,001 | 21,336 | 20,104 | 20,033 | 33,344 | 40,740 | 41,334 |
| Agro Commodities | | | | | | | | | | |
| Base Metals | 1 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Bullion | 20 | 22 | 23 | 18 | 16 | 13 | 7 | 7 | 6 | 5 |
| | 53 | 49 | 42 | 33 | 31 | 28 | 24 | 22 | 22 | 23 |
| Energy Index | 24 | 26 | 32 | 33 47 | 50 | 57 | 67 | 70 | 71 | 72 |
| | | | | | 1 | 1 | 0 | 0 | 0 | 0 |
| YoY growth (%) | 1 | 1 | 1 | 1 | 1 | 1 | U | U | U | U |
| Agro Commodities | | | | | | | | | | |
| Base Metals | 20 | 10 | 171 | 25 | 2 | F2 | (CO) | (05) | (00) | 0.4 |
| Bullion | 36 | 18 | 171 | 35 | (10) | -53 | (69) | (85) | (86) | -94 |
| Energy | 32 | 36 | 86 | (17) | (18) | -24 | (52) | (29) | (26) | -39 |
| Index | 66 | 2 | (3) | (59) | (42) | -27 | (13) | 15 | 33 | 31 |
| Total | (49) | -53 | 66 | 126 | 108 | 172 | 220 | 155 | 170 | 102 |
| QoQ growth (%) | - | 0 | - | 173 | 23 | -3 | (65) | (69) | (78) | -81 |
| Agro Commodities | 4 | -18 | 32 | (19) | 1 | 26 | 50 | 71 | 89 | 61 |
| Base Metals | - | 0 | - | - | - | 0 | - | - | - | 0 |
| Bullion | - | 0 | | - () | - | 0 | - () | - () | - (-) | 0 |
| Energy | 40 | 39 | (1) | (30) | 6 | -36 | (36) | (65) | (1) | -74 |
| Index | (3) | 3 | (1) | (15) | (5) | -5 | (37) | 24 | (0) | -22 |
| Total | (32) | -10 | (21) | (15) | (2) | 11 | (5) | 12 | 13 | 10 |
| FUTCOM | 18 | 5 | 10 | 65 | 9 | 38 | 29 | 31 | 15 | 3 |
| FUTIDX | 180 | 1 | (0) | (3) | 26 | -20 | (64) | (14) | (12) | -29 |
| OPTFUT | (17) | -3 | (8) | 10 | 3 | 21 | 10 | 25 | 13 | 3 |
| Total | | | | | | | | | | |
| Mix (%) | 20,713 | 19,841 | 17,733 | 16,826 | 15,710 | 16,412 | 16,078 | 15,484 | 15,476 | 12,986 |
| FUTCOM | 204 | 207 | 206 | 200 | 252 | 201 | 72 | 62 | 54 | 39 |
| FUTIDX | 501 | 720 | 1,216 | 3,975 | 5,596 | 9,491 | 12,505 | 20,398 | 25,218 | 28,930 |
| OPTFUT | 21,419 | 20,769 | 19,155 | 21,001 | 21,558 | 26,104 | 28,655 | 35,944 | 40,748 | 41,954 |
| YoY growth (%) | | | | | | | | | | |
| FUTCOM | | | | | | | | | | |
| FUTIDX | 97 | 96 | 93 | 80 | 73 | 63 | 56 | 43 | 38 | 31 |
| OPTFUT | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Total | 2 | 3 | 6 | 19 | 26 | 36 | 44 | 57 | 62 | 69 |
| QoQ growth (%) | | | | | | | | | | |
| FUTCOM | | | | | | | | | | |
| FUTIDX | 3 | -18 | 26 | (33) | (24) | -17 | (9) | (8) | (1) | -21 |
| OPTFUT | - | - | - | 173 | 23 | -3 | (65) | (69) | (78) | -81 |
| Total | (8) | -41 | 206 | 425 | 1,017 | 1,217 | 929 | 413 | 351 | 205 |

Source: Company, MOFSL

Exhibit 2: Gold volumes improved (INR t)



Exhibit 3: Silver volumes declined (INR t)

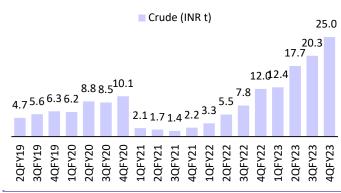


Source: Company, MOFSL

Exhibit 4: Copper volumes (INR t) declined

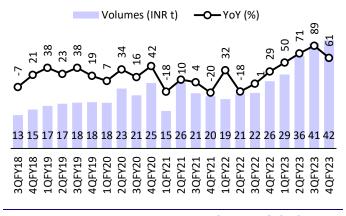
Source: Company, MOFSL

Exhibit 5: Strong crude oil volumes (INR t)



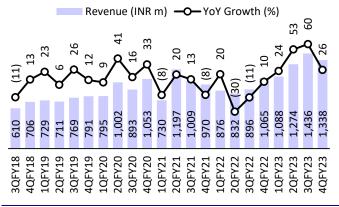
Source: Company, MOFSL

Exhibit 6: Volumes led by the options segment...



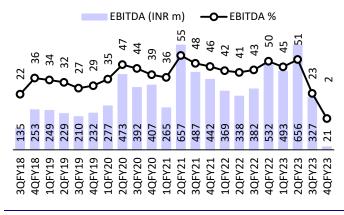
Source: MOFSL, Company

Exhibit 7: Revenue growth of 26% YoY



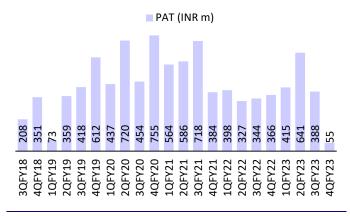
Source: MOFSL, Company

Exhibit 8: Significant Margin contraction



Source: MOFSL, Company

Exhibit 9: Trend in PAT (INR m)



Source: MOFSL, Company

Exhibit 10: Revisions to our estimates

| Change in Estimates | Rev | rised | Ear | rlier | Change (%) | | |
|---------------------|-------|-------|-------|-------|------------|--------|--|
| | FY24E | FY25E | FY24E | FY25E | FY24E | FY25E | |
| Volumes (INR t) | 172 | 188 | 172 | 188 | (0.1) | 0.0 | |
| Volume growth (%) | 16.5 | 9.7 | 16.3 | 9.6 | 0.2 | 0.1 | |
| Revenue (INR m) | 5,635 | 6,137 | 5,878 | 6,411 | (4.1) | (4.3) | |
| EBITDA margin (%) | 45.7 | 55.0 | 47.2 | 57.0 | -150bp | -200bp | |
| EPS (INR) | 43.0 | 54.7 | 49.3 | 62.3 | (12.8) | (12.2) | |

Financials and valuations

| Income statement | | | | | | | | | (INR m) |
|-------------------|-------|-------|-------|---------|---------|---------|---------|-------|---------|
| Y/E March | FY17 | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 | FY24E | FY25E |
| Sales | 2,594 | 2,598 | 3,001 | 3,742 | 3,906 | 3,668 | 5,135 | 5,635 | 6,137 |
| Change (%) | 10 | 0 | 15 | 25 | 4 | (6) | 40 | 10 | 9 |
| Cost of Services | 1,071 | 1,174 | 1,338 | 1,463 | 1,388 | 1,440 | 2,880 | 2,187 | 1,759 |
| SG&A Expenses | 723 | 679 | 743 | 730 | 667 | 607 | 759 | 872 | 1,003 |
| Provisions | | | | | | | | | |
| EBITDA | 801 | 745 | 920 | 1,549 | 1,851 | 1,621 | 1,497 | 2,575 | 3,374 |
| % of Net Sales | 31 | 29 | 31 | 41 | 47 | 44 | 29 | 46 | 55 |
| Depreciation | 186 | 167 | 154 | 182 | 221 | 227 | 216 | 351 | 396 |
| EBIT | 614.9 | 578.3 | 765.5 | 1,367.1 | 1,630.7 | 1,394.4 | 1,281.0 | 2,225 | 2,979 |
| Interest | 2 | - | - | 2 | 2 | 3 | 2 | 2 | 2 |
| Other Income | 1,164 | 884 | 986 | 1,289 | 1,038 | 665 | 677 | 587 | 599 |
| EO Item (net) | - | - | 238 | - | - | 204 | - | - | - |
| PBT | 1,777 | 1,462 | 1,513 | 2,654 | 2,667 | 1,853 | 1,956 | 2,810 | 3,576 |
| Tax | 512 | 377 | 75 | 389 | 415 | 407 | 416 | 618 | 787 |
| Rate (%) | 29 | 26 | 5 | 15 | 16 | 22 | 21 | 22 | 22 |
| PAT before MI | 1,266 | 1,085 | 1,439 | 2,266 | 2,251 | 1,446 | 1,540 | 2,192 | 2,789 |
| Minority Interest | - | - | (24) | (99) | (1) | 12 | 50 | - | - |
| PAT | 1,266 | 1,085 | 1,462 | 2,365 | 2,252 | 1,435 | 1,490 | 2,192 | 2,789 |
| Extraordinary | | | | | | | | | |
| Net Income | 1,266 | 1,085 | 1,462 | 2,365 | 2,252 | 1,435 | 1,490 | 2,192 | 2,789 |
| Change (%) | 198 | (14) | 35 | 62 | (5) | (36) | 4 | 47 | 27 |

| Balance Sheet | | | | | | | | | (INR m) |
|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Y/E March | FY17 | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 | FY24E | FY25E |
| Share Capital | 510 | 510 | 510 | 510 | 510 | 510 | 510 | 510 | 510 |
| Reserves | 13,078 | 13,253 | 11,999 | 13,084 | 13,672 | 13,671 | 14,283 | 14,721 | 15,279 |
| Net Worth | 13,588 | 13,763 | 12,509 | 13,594 | 14,182 | 14,181 | 14,793 | 15,231 | 15,789 |
| SGF | 1,705 | 1,806 | 3,298 | 4,098 | 4,692 | 5,256 | 5,898 | 5,898 | 5,898 |
| Loan & other long term liab. | 420 | 408 | 414 | 546 | 576 | 658 | 561 | 572 | 584 |
| Capital Employed | 15,713 | 15,977 | 16,221 | 18,237 | 19,451 | 20,095 | 21,252 | 21,701 | 22,270 |
| Net Block | 1,521 | 1,618 | 1,770 | 1,820 | 1,857 | 2,513 | 3,172 | 3,506 | 3,956 |
| CWIP | 2 | 23 | 0 | 5 | 12 | 434 | 519 | 519 | 519 |
| Other LT Assets | 117 | 96 | 166 | 149 | 185 | 3,018 | 2,543 | 2,576 | 2,610 |
| Investments | 8,448 | 7,527 | 6,811 | 10,508 | 11,885 | 4,440 | 8,441 | 8,610 | 8,782 |
| Curr. Assets | 8,725 | 10,518 | 12,175 | 15,028 | 11,283 | 18,225 | 16,259 | 16,353 | 16,449 |
| Current Investments | 7,626 | 8,997 | 5,824 | 6,618 | 5,985 | 7,135 | 2,024 | 2,064 | 2,106 |
| Debtors | 28 | 63 | 60 | 65 | 90 | 115 | 146 | 149 | 152 |
| Cash & Bank Balance | 193 | 597 | 5,346 | 7,593 | 4,261 | 9,755 | 11,779 | 11,782 | 11,787 |
| Loans & Advances | 4 | 3 | 2 | 2 | 1 | 222 | 1,328 | 1,354 | 1,381 |
| Other Current Assets | 875 | 859 | 943 | 751 | 948 | 998 | 983 | 1,003 | 1,023 |
| Current Liab. & Prov | 2,945 | 3,636 | 4,524 | 9,109 | 5,575 | 7,911 | 8,976 | 9,156 | 9,339 |
| Net Current Assets | 5,780 | 6,882 | 7,651 | 5,919 | 5,709 | 10,314 | 7,283 | 7,197 | 7,110 |
| Application of Funds | 15,869 | 16,146 | 16,397 | 18,401 | 19,647 | 20,719 | 21,958 | 22,408 | 22,977 |

Financials and valuations

| Ratios | | | | | | | | | |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Y/E March | FY17 | FY18 | FY19 | FY20 | FY21 | FY22 | FY23 | FY24E | FY25E |
| Basic (INR) | | | | | | | | | |
| EPS | 24.8 | 21.3 | 28.7 | 46.4 | 44.2 | 28.1 | 29.2 | 43.0 | 54.7 |
| Cash EPS | 29.5 | 25.4 | 31.9 | 50.4 | 49.2 | 33.6 | 34.3 | 51.4 | 64.2 |
| Book Value | 266.4 | 269.9 | 245.3 | 266.6 | 278.1 | 278.1 | 290.1 | 298.7 | 309.6 |
| DPS | 15.0 | 17.0 | 20.0 | 30.0 | 27.7 | 30.0 | 19.1 | 35.0 | 35.0 |
| Payout % | 74.3 | 98.2 | 87.1 | 83.0 | 77.1 | 129.7 | 63.2 | 80.0 | 80.0 |
| Valuation (x) | | | | | | | | | |
| P/E | 53.2 | 62.0 | 46.0 | 28.5 | 29.9 | 46.9 | 45.2 | 30.7 | 24.1 |
| Cash P/E | 44.7 | 52.0 | 41.4 | 26.2 | 26.9 | 39.3 | 38.4 | 25.7 | 20.6 |
| Price/Book Value | 5.0 | 4.9 | 5.4 | 5.0 | 4.7 | 4.7 | 4.6 | 4.4 | 4.3 |
| Dividend Yield (%) | 1.1 | 1.3 | 1.5 | 2.3 | 2.1 | 2.3 | 1.4 | 2.7 | 2.7 |
| Profitability Ratios (%) | | | | | | | | | |
| RoE | 9.9 | 7.9 | 11.1 | 18.1 | 16.2 | 10.1 | 10.3 | 14.6 | 18.0 |

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

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 |

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