## Buy

# Yes Bank





## Asset quality disappoints !!!

Yes Bank showed dismal performance – PAT declined by 24% qoq (4% yoy) to ₹ 9.6 bn largely led by higher credit cost. Gross slippages escalated sharply for the quarter at ₹ 16.3 bn (₹ 5.6 bn qoq) led by one large corporate account defaulting amounting to ₹ 6.3 bn (most likely it expects upgrade in this account in Q3). Bank has exposure to IL&FS amounting to ₹ 26.2 bn which is currently recognized as standard account in the books of the banks (lent to SPV and no holdco exposure). Investment provisions were also high due to a) ₹ 2.5 bn provided for corporate bonds b) ₹ 0.9 bn amortised MTM investments provisions. Advances reported strong growth of 61% yoy, which in our view, would come off going forward due to lower CET 1 (9.5%). Other income growth slowed down to 18% led by declined in forex, debt capital mkts & securities income (-37% yoy).

In our view, with lower CET 1, balance sheet growth will have to be pruned down considerably (we estimate credit growth of 24% for FY19). We revise our credit cost estimate upward to 90 bps for FY19E vs. management guidance of 70 bps. We are revising our estimates downwards − PAT expected to grow by 7% yoy in FY19E taking into consideration higher credit cost and lower growth. Given the management change, capital raising would be difficult for the bank. Also, uncertainty over the NPAs looms large for the bank now than before. Near term headwinds on the bank remains in terms of management change, higher credit cost, lower capital position, which could cap upside in the stock, unless we see some positive resolution coming on above parameters. However, given the steep correction in the stock, current valuations looks reasonable - we retain BUY rating (reduce TP to ₹ 270 from ₹ 350, discounting FY20E ABV by 1.9x). At current pricing, the stock is trading at 1.6x FY19E and 1.3 FY20E ABV.

#### **Higher NPLs disappoints**

Gross slippages escalated sharply for the quarter at ₹ 16.3 bn (₹ 5.6 bn qoq) led by one large corporate account defaulting amounting to ₹ 6.3 bn. The bank expects prepayments and consequent upgrade in this account in Q3. This escalated credit cost for the quarter to 18 bps vs 14 bps qoq. Bank has exposure to IL&FS amounting to ₹ 26.2 bn which is currently recognized as standard account in the books of the banks (lent to SPV and no holdco exposure). Also, bank sold assets to ARC amounting to ₹ 4.45 bn during the quarter. Gross NPA/Net NPAs were at 1.6%/0.84% vs. 1.3%/0.6% qoq. Management has given credit cost guidance of 70 bps for FY19E vs. our estimation of 90 bps. Positively, current SMA 2 is at low at 15 bps (~₹ 3.6 bn). However, with the current quarter results, NPA uncertainty looms large over the bank. Escalated credit cost going forward could potentially takeaway large part of the strong growth in operating profits.

#### Operational performance lower as compared to previous quarters

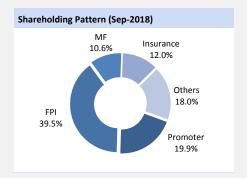
Advances showed very high growth of 61% led by all corporate, SME and retail loans. Margins were steady at 3.3% mark on sequential basis which led to healthy NII growth of 28% yoy. However, other income grew at relatively much lower pace at 18% vs. 30% growth seen in the previous quarters mainly due to decline in forex, debt & securities income (-37% yoy). All this resulted in operating profit growing by 24% - lower growth as compared to previous quarters.

#### Retain BUY, lowering target price to ₹ 270

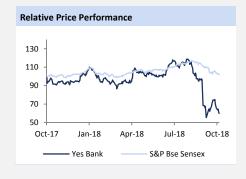
We are revising our estimates downwards – PAT expected to grow by 7% yoy in FY19E taking into consideration higher credit cost and lower growth. Given the management change, capital raising would be difficult for the bank. Also, uncertainty over the NPAs looms large for the bank now than before. Near term headwinds on the bank remains in terms of management change, higher credit cost, lower capital position, which could cap upside in the stock, unless we see some positive resolution coming on above parameters. However, given the steep correction in the stock, current valuations looks reasonable - we retain BUY rating (reduce TP to ₹ 270 from ₹ 350, discounting FY20E ABV by 1.9x). At current pricing, the stock is trading at 1.6x FY19E and 1.3 FY20E ABV.

| 87 |
|----|
| 70 |
| 44 |
| ٧K |
| IN |
| 2  |
| 54 |
| 85 |
|    |

| What's Changed        |                   |
|-----------------------|-------------------|
| 12 M Price Target (₹) | From 350 to 270   |
| FY2019E EPS (₹)       | From 23.8 to 19.6 |
| FY2020E EPS (₹)       | From 31.6 to 25.9 |



| YE Mar         | FY18  | FY19E | FY20E | FY21E |
|----------------|-------|-------|-------|-------|
| NII (₹ bn)     | 77.4  | 103.2 | 131.9 | 169.7 |
| PAT (₹ bn)     | 42.2  | 45.2  | 59.5  | 79.0  |
| yoy (%)        | 26.9  | 6.9   | 31.9  | 32.6  |
| EPS (₹)        | 18.3  | 19.6  | 25.9  | 34.3  |
| ABV (₹)        | 102.4 | 119.2 | 142.0 | 173.3 |
| P/BV (x)       | 3.6   | 1.5   | 1.2   | 1.0   |
| P/ABV (x)      | 3.8   | 1.6   | 1.3   | 1.1   |
| ROA (%)        | 1.6   | 1.3   | 1.4   | 1.4   |
| ROE (%)        | 18.2  | 16.6  | 18.4  | 20.1  |
| Gross NPAs (%) | 1.3   | 1.8   | 2.1   | 2.2   |
| PCR (%)        | 50.0  | 56.7  | 61.2  | 64.9  |
|                |       |       |       |       |





### **Q2FY19 Financials**

| (₹ mn)                               | Q2FY19    | Q2FY18    | yoy (%) | Q1FY19    | qoq (%) | H1FY19    | H1FY18    | yoy (%) |
|--------------------------------------|-----------|-----------|---------|-----------|---------|-----------|-----------|---------|
| Interest earned                      | 72,312    | 48,003    | 50.6    | 65,780    | 9.9     | 1,38,093  | 94,541    | 46.1    |
| -Interest/discount on advances/bills | 55,496    | 36,932    | 50.3    | 50,047    | 10.9    | 1,05,543  | 72,277    | 46.0    |
| -Income on investments               | 15,610    | 9,227     | 69.2    | 13,509    | 15.6    | 29,119    | 18,254    | 59.5    |
| -Interest on bal. with RBI           | 582       | 1,447     | -59.8   | 1,620     | -64.1   | 2,203     | 3,240     | -32.0   |
| -Others                              | 624       | 398       | 56.7    | 605       | 3.1     | 1,229     | 771       | 59.5    |
| Interest expenses                    | 48,137    | 29,153    | 65.1    | 43,589    | 10.4    | 91,726    | 57,601    | 59.2    |
| Net Interest Income (NII)            | 24,176    | 18,851    | 28.2    | 22,191    | 8.9     | 46,367    | 36,940    | 25.5    |
| Other Income                         | 14,735    | 12,484    | 18.0    | 16,941    | -13.0   | 31,676    | 23,806    | 33.1    |
| Total income                         | 38,910    | 31,335    | 24.2    | 39,133    | -0.6    | 78,043    | 60,746    | 28.5    |
| Operating expenses                   | 15,246    | 12,269    | 24.3    | 14,586    | 4.5     | 29,831    | 24,638    | 21.1    |
| -Employee cost                       | 5,940     | 5,628     | 5.5     | 5,906     | 0.6     | 11,846    | 11,089    | 6.8     |
| -Other operating expenses            | 9,306     | 6,641     | 40.1    | 8,680     | 7.2     | 17,985    | 13,549    | 32.7    |
| Operating profit                     | 23,664    | 19,067    | 24.1    | 24,547    | -3.6    | 48,212    | 36,109    | 33.5    |
| Provision for contingencies          | 9,400     | 4,471     | 110.3   | 6,257     | 50.2    | 15,656    | 7,328     | 113.6   |
| РВТ                                  | 14,265    | 14,596    | -2.3    | 18,291    | -22.0   | 32,555    | 28,780    | 13.1    |
| Provision for taxes                  | 4,618     | 4,569     | 1.1     | 5,687     | -18.8   | 10,305    | 9,098     | 13.3    |
| Net profit                           | 9,647     | 10,027    | -3.8    | 12,604    | -23.5   | 22,251    | 19,683    | 13.0    |
| Equity                               | 4,619     | 4,581     | 0.8     | 4,611     | 0.2     | 4,619     | 4,581     | 0.8     |
| EPS (₹)                              | 21        | 22        | -4.6    | 27        | -23.6   | 48        | 43        | 12.1    |
| Ratios (%)                           |           |           |         |           |         |           |           |         |
| Int. exp/Int earned (%)              | 66.6      | 60.7      | -       | 66.3      | -       | 66.4      | 60.9      | -       |
| Cost/Income ratio (%)                | 39.2      | 39.2      | -       | 37.3      | -       | 38.2      | 40.6      | -       |
| Gross NPAs (₹)                       | 38,661    | 27,203    | 42.1    | 28,245    | 36.9    | 38,661    | 27,203    | 42.1    |
| Net NPAs (₹)                         | 20,197    | 15,433    | 30.9    | 12,626    | 60.0    | 20,197    | 15,433    | 30.9    |
| Gross NPAs (%)                       | 1.60      | 1.82      | -       | 1.31      | -       | 1.6       | 1.8       | -       |
| Net NPAs (%)                         | 0.84      | 1.0       | -       | 0.6       | -       | 0.8       | 1.0       | -       |
| ROA (%)                              | 1.1       | 1.7       | -       | 1.6       | -       | 1.5       | 1.5       | -       |
| CAR (%)                              | 16.2      | 17.0      | -       | 16.9      | -       | 16.2      | 17.0      | -       |
| Provision coverage (%)               | 47.8      | 43.3      |         | 55.3      | -       | 47.8      | 43.3      |         |
| Balance Sheet (₹.mn)                 |           |           |         |           |         |           |           |         |
| Deposits                             | 22,28,379 | 15,79,898 | 41.0    | 21,33,945 | 4.4     | 22,28,379 | 15,79,898 | 41.0    |
| Advances                             | 23,96,275 | 14,86,753 | 61.2    | 21,47,201 | 11.6    | 23,96,275 | 14,86,753 | 61.2    |

Source: Company, LKP Research



### **Profit & Loss Statement**

| (₹ mn)                                 | FY17     | FY18     | FY19e    | FY20e    | FY21e    |
|--|----------|----------|----------|----------|----------|
| INTEREST EARNED                        | 1,64,246 | 2,02,674 | 2,87,773 | 3,73,597 | 4,89,541 |
| Interest/Discount on advances/Bills    | 1,22,098 | 1,54,782 | 2,20,330 | 2,88,701 | 3,84,375 |
| Income from Investment                 | 37,968   | 41,025   | 57,528   | 72,766   | 91,319   |
| Interest on Balances with RBI & Others | 2,578    | 5,161    | 8,115    | 10,230   | 11,947   |
| Others                                 | 1,602    | 1,706    | 1,800    | 1,900    | 1,900    |
| INTEREST EXPENDED                      | 1,06,273 | 1,25,304 | 1,84,610 | 2,41,722 | 3,19,801 |
| Interest on Deposits                   | 82,040   | 93,834   | 1,27,596 | 1,67,907 | 2,26,483 |
| Interest on RBI/Inter-Bank Borrowings  | 22,243   | 29,841   | 55,214   | 71,914   | 91,319   |
| Others                                 | 1,990    | 1,629    | 1,800    | 1,900    | 2,000    |
| NET INTEREST INCOME (NII)              | 57,973   | 77,371   | 1,03,163 | 1,31,875 | 1,69,740 |
| Other Income                           | 41,568   | 52,238   | 60,901   | 75,502   | 97,233   |
| TOTAL INCOME                           | 99,541   | 1,29,609 | 1,64,064 | 2,07,377 | 2,66,973 |
| Operating expenses                     | 41,165   | 52,128   | 65,778   | 82,039   | 1,03,378 |
| Employee expenses                      | 18,050   | 21,889   | 27,810   | 34,318   | 42,994   |
| Other operating expenses               | 23,115   | 30,239   | 37,968   | 47,721   | 60,384   |
| OPERATING PROFIT                       | 58,375   | 77,481   | 98,287   | 1,25,338 | 1,63,596 |
| Provisions                             | 7,934    | 15,538   | 31,883   | 37,765   | 47,454   |
| of which NPA provisions                | 6,634    | 10,788   | 22,780   | 32,429   | 41,489   |
| Profit Before Tax (PBT)                | 50,441   | 61,943   | 66,404   | 87,573   | 1,16,141 |
| Provision for tax                      | 17,140   | 19,697   | 21,249   | 28,023   | 37,165   |
| PAT                                    | 33,301   | 42,246   | 45,155   | 59,550   | 78,976   |
| (% change)                             | 31       | 27       | 7        | 32       | 33       |
| EPS (₹)                                | 15       | 18       | 20       | 26       | 34       |
| Total Paid-Up Capital                  | 4,565    | 4,606    | 4,606    | 4,606    | 4,606    |

Source: Company, LKP Research

## **Balance Sheet**

| (₹ mn)  | FY17      | FY18      | FY19e     | FY20e     | FY21e     |
|---|-----------|-----------|-----------|-----------|-----------|
| Application of funds                                |           |           |           |           |           |
| Cash & Bal. with RBI                                | 69,521    | 1,14,257  | 1,06,044  | 1,33,519  | 1,68,168  |
| Balance with banks & money at call and short notice | 1,25,974  | 1,33,086  | 2,27,577  | 2,83,922  | 3,13,439  |
| Advances / Credit                                   | 13,22,627 | 20,35,339 | 25,31,087 | 32,42,931 | 41,48,893 |
| Investments   | 5,00,318  | 6,83,989  | 8,53,898  | 10,40,840 | 13,06,522 |
| Fixed assets  | 6,835     | 8,324     | 9,718     | 11,372    | 13,510    |
| Other assets  | 1,25,325  | 1,49,460  | 1,39,783  | 1,63,546  | 1,91,348  |
| TOTAL ASSETS  | 21,50,599 | 31,24,456 | 38,68,106 | 48,76,129 | 61,41,882 |
| Sources of funds                                    |           |           |           |           |           |
| Total Paid-Up Capital                               | 4,565     | 4,606     | 4,606     | 4,606     | 4,606     |
| Reserves & Surplus                                  | 2,15,976  | 2,52,977  | 2,90,060  | 3,49,055  | 4,27,477  |
| Networth  | 2,20,541  | 2,57,583  | 2,94,666  | 3,53,661  | 4,32,083  |
| Deposits  | 14,28,739 | 20,07,381 | 24,81,457 | 31,48,476 | 39,89,320 |
| -Current deposits                                   | 1,90,878  | 2,88,257  | 3,89,147  | 5,05,891  | 6,57,659  |
| -Savings deposits                                   | 3,27,818  | 4,43,505  | 5,98,731  | 7,78,350  | 9,72,938  |
| Borrowings  | 3,86,067  | 7,48,936  | 9,68,160  | 12,34,072 | 15,62,369 |
| Other liabilities & provisions                      | 1,15,253  | 1,10,556  | 1,23,823  | 1,39,920  | 1,58,109  |
| TOTAL LIABILITIES                                   | 21,50,599 | 31,24,456 | 38,68,106 | 48,76,129 | 61,41,882 |

Source: Company, LKP Research



### **Ratio Analysis**

| (A) Efficiency Ratios (%)                          | FY17   | FY18   | FY19e  | FY20e  | FY21e  |
|--|--------|--------|--------|--------|--------|
| Int. exp/Int. earned (%)                           | 64.7   | 61.8   | 64.2   | 64.7   | 65.3   |
| NII / Total Income (%)                             | 58.2   | 59.7   | 62.9   | 63.6   | 63.6   |
| Other income / Total Income (%)                    | 41.8   | 40.3   | 37.1   | 36.4   | 36.4   |
| Cost / Income                                      | 41.4   | 40.2   | 40.1   | 39.6   | 38.7   |
| Cost/Income (excluding trading gains) (%)          | 44.5   | 41.9   | 40.6   | 39.9   | 39.2   |
| C-D ratio (%)                                      | 94.0   | 102.7  | 103.9  | 105.2  | 106.4  |
| I-D ratio (%)                                      | 35.0   | 34.1   | 34.4   | 33.1   | 32.8   |
| Incremental CD ratio (%)                           | 113.4  | 124.2  | 108.8  | 110.1  | 110.7  |
| Incremental ID ratio (%)                           | 3.8    | 31.7   | 35.8   | 28.0   | 31.6   |
| Loan / Assets ratio (%)                            | 62.4   | 66.0   | 66.6   | 67.9   | 69.1   |
| Deposits / Assets ratio (%)                        | 66.4   | 64.2   | 64.2   | 64.6   | 65.0   |
| CA / Total Deposits (%)                            | 13.4   | 14.4   | 15.7   | 16.1   | 16.5   |
| SA / Total Deposits (%)                            | 22.9   | 22.1   | 24.1   | 24.7   | 24.4   |
| CASA / Total Deposits                              | 36.3   | 36.5   | 39.8   | 40.8   | 40.9   |
| B) Spreads (%)                                     | FY17   | FY18   | FY19e  | FY20e  | FY21e  |
| Yield on Assets (%)                                | 9.2    | 8.1    | 8.6    | 8.9    | 9.2    |
| Yield on Advances (%)                              | 10.6   | 9.2    | 9.7    | 10.0   | 10.4   |
| Yield on Investments (%)                           | 7.7    | 7.0    | 7.5    | 7.7    | 7.8    |
| Cost of Funds (%)                                  | 6.5    | 5.5    | 5.9    | 6.2    | 6.4    |
| Cost of Deposits (%)                               | 6.4    | 5.5    | 5.7    | 6.0    | 6.3    |
| Cost of Earning Assets (%)                         | 6.0    | 5.0    | 5.5    | 5.7    | 6.0    |
| Spreads (%)  | 2.7    | 2.7    | 2.7    | 2.7    | 2.8    |
| Net Interest Margin                                | 3.3    | 3.1    | 3.1    | 3.1    | 3.2    |
| C) Solvency  | FY17   | FY18   | FY19e  | FY20e  | FY21e  |
| Gross NPAs (₹)                                     | 20,186 | 26,268 | 46,291 | 68,778 | 93,802 |
| Net NPAs (₹)                                       | 10,723 | 13,127 | 20,052 | 26,710 | 32,969 |
| Gross NPAs / Gross Advances (%)                    | 1.5    | 1.3    | 1.8    | 2.1    | 2.2    |
| Net NPAs / Net advances (%)                        | 0.81   | 0.64   | 0.79   | 0.82   | 0.79   |
| Provisions Coverage Ratio (%) (Excl. Fl. Prov.)    | 46.9   | 50.0   | 56.7   | 61.2   | 64.9   |
| Credit cost (%) (incl NPA provisions)              | 0.49   | 0.5    | 0.90   | 1.00   | 1.00   |
| Credit cost (%) (incl. NPA + SA + rest provisions) | 0.6    | 0.6    | 1.0    | 1.1    | 1.1    |

Source: Company, LKP Research



### **Ratio Analysis**

| •                                  |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|
| D) Measures of Investment          | FY17   | FY18   | FY19e  | FY20e  | FY21e  |
| No. of equity shares (wtd. avg.)   | 2282.4 | 2303.0 | 2303.0 | 2303.0 | 2303.0 |
| EPS (₹)                            | 14.6   | 18.3   | 19.6   | 25.9   | 34.3   |
| DPS (per share)                    | 2.4    | 2.7    | 3.0    | 3.2    | 3.4    |
| BV (₹)                             | 94.0   | 108.1  | 128.0  | 153.6  | 187.6  |
| Adjusted BV (₹)                    | 89.3   | 102.4  | 119.2  | 142.0  | 173.3  |
| Avg. ROE (%)                       | 19.2   | 18.2   | 16.6   | 18.4   | 20.1   |
| Avg. ROA (%)                       | 1.8    | 1.6    | 1.3    | 1.4    | 1.4    |
| Pre-tax ROA (%)                    | 2.7    | 2.3    | 1.9    | 2.0    | 2.1    |
| Pre-provisioning operating ROA (%) | 3.1    | 2.9    | 2.8    | 2.9    | 3.0    |
| Pre-provisioning operating ROE (%) | 33.6   | 33.4   | 36.2   | 38.7   | 41.6   |
| P/E (x)                            | 18.0   | 21.3   | 9.5    | 7.2    | 5.5    |
| P/BV (x)                           | 2.8    | 3.6    | 1.5    | 1.2    | 1.0    |
| P/ABV (x)                          | 2.9    | 3.8    | 1.6    | 1.3    | 1.1    |
| Dividend yield (x)                 | 0.9    | 0.7    | 1.6    | 1.7    | 1.8    |
| Dividend Payout ratio (%)          | 16.4   | 14.7   | 15.3   | 12.4   | 9.9    |
| Effective tax rate (%)             | 34.0   | 31.8   | 32.0   | 32.0   | 32.0   |
| E) Breakdown of ROA (%)            | FY17   | FY18   | FY19e  | FY20e  | FY21e  |
| Interest Income                    | 8.6    | 7.7    | 8.2    | 8.5    | 8.9    |
| Interest expenses                  | 5.6    | 4.8    | 5.3    | 5.5    | 5.8    |
| NII/avg assets                     | 3.0    | 2.9    | 3.0    | 3.0    | 3.1    |
| Non-NII/avg. assets                | 2.2    | 2.0    | 1.7    | 1.7    | 1.8    |
| Total Income                       | 5.2    | 4.9    | 4.7    | 4.7    | 4.8    |
| Operating exp/avg. assets          | 2.2    | 2.0    | 1.9    | 1.9    | 1.9    |
| Operating profit/avg assets        | 3.1    | 2.9    | 2.8    | 2.9    | 3.0    |
| Provisions/avg. assets             | 0.4    | 0.6    | 0.9    | 0.9    | 0.9    |
| PBT/avg. assets                    | 2.7    | 2.3    | 1.9    | 2.0    | 2.1    |
| Tax/avg. assets                    | 0.9    | 0.7    | 0.6    | 0.6    | 0.7    |
| PAT/avg. assets                    | 1.8    | 1.6    | 1.3    | 1.4    | 1.4    |
| Leverage                           | 10.0   | 12.6   | 13.1   | 13.8   | 14.2   |
| F) Growth Rates (%)                | FY17   | FY18   | FY19e  | FY20e  | FY21e  |
| Interest Income                    | 21.4   | 23.4   | 42.0   | 29.8   | 31.0   |
| Interest Expenses                  | 18.5   | 17.9   | 47.3   | 30.9   | 32.3   |
| NII                                | 26.9   | 33.5   | 33.3   | 27.8   | 28.7   |
| Other Income                       | 53.3   | 25.7   | 16.6   | 24.0   | 28.8   |
| Total Income                       | 36.8   | 30.2   | 26.6   | 26.4   | 28.7   |
| Operating Income                   | 35.7   | 32.7   | 26.9   | 27.5   | 30.5   |
| Net Profit                         | 31.1   | 26.9   | 6.9    | 31.9   | 32.6   |
| Deposits                           | 27.9   | 40.5   | 23.6   | 26.9   | 26.7   |
| Advances                           | 35.7   | 53.5   | 25.0   | 28.5   | 28.1   |
| H) Other performance parameters    | FY17   | FY18   | FY19e  | FY20e  | FY21e  |
| No. of branches (No.)              | 1,000  |        |        |        |        |
| No. of employees (No.)             | 20,125 |        |        |        |        |
| Business per branch (₹)            | 2,751  |        |        |        | 6,028  |
| Profit per branch (₹)              | 33.3   | 38.4   | 38.4   | 47.6   | 58.5   |
| Business per employee (₹)          | 136.7  | 221.7  | 250.9  | 300.8  | 354.6  |
| Profit per employee (₹)            | 1.7    | 2.3    | 2.3    | 2.8    | 3.4    |
| Source: Company, LKP Research      |        |        |        |        |        |

Source: Company, LKP Research



#### **DISCLAIMERS AND DISCLOSURES**

LKP Sec. Itd. (CIN-L67120MH1994PLC080039, www. Lkpsec.com) and its affiliates are a full-fledged, brokerage and financing group. LKP was established in 1992 and is one of India's leading brokerage and distribution house. LKP is a corporate trading member of Bombay Stock Exchange Limited (BSE), National Stock Exchange of India Limited(NSE), MCX Stock Exchange Limited (MCX-SX).LKP along with its subsidiaries offers the most comprehensive avenues for investments and is engaged in the businesses including stock broking (Institutional and retail), merchant banking, commodity broking, depository participant, insurance broking and services rendered in connection with distribution of primary market issues and financial products like mutual funds etc.

LKP hereby declares that it has not defaulted with any stock exchange nor its activities were suspended by any stock exchange with whom it is registered in last five years. However, SEBI and Stock Exchanges have conducted the routine inspection and based on their observations have issued advice letters or levied minor penalty on LKP for certain operational deviations in ordinary/routine course of business. LKP has not been debarred from doing business by any Stock Exchange / SEBI or any other authorities; nor has its certificate of registration been cancelled by SEBI at any point of time.

LKP offers research services to clients. The analyst for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

Other disclosures by LKP and its Research Analyst under SEBI (Research Analyst) Regulations, 2014 with reference to the subject company(s) covered in this report-:

Research Analyst or his/her relative's financial interest in the subject company. (NO)

LKP or its associates may have financial interest in the subject company.

LKP or its associates and Research Analyst or his/her relative's does not have any material conflict of interest in the subject company. The research Analyst or research entity (LKP) has not been engaged in market making activity for the subject company.

LKP or its associates may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of Research Report.

Research Analyst or his/her relatives have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of Research Report: (NO)

LKP or its associates may have received any compensation including for investment banking or merchant banking or brokerage services from the subject company in the past 12 months.

LKP or its associates may have received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past 12 months.

LKP or its associates may have received any compensation or other benefits from the Subject Company or third party in connection with the research report.

Subject Company may have been client of LKP or its associates during twelve months preceding the date of distribution of the research report and LKP may have comanaged public offering of securities for the subject company in the past twelve months.

Research Analyst has served as officer, director or employee of the subject company: (NO)

LKP and/or its affiliates may seek investment banking or other business from the company or companies that are the subject of this material. Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients that reflect opinions that are contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that may be inconsistent with the recommendations expressed herein.

In reviewing these materials, you should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest including but not limited to those stated herein. Additionally, other important information regarding our relationships with the company or companies that are the subject of this material is provided herein. This report is not directed to, 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 or regulation or which would subject LKP or its group companies to any registration or licensing requirement within such jurisdiction. Specifically, this document does not constitute an offer to or solicitation to any U.S. person for the purchase or sale of any financial instrument or as an official confirmation of any transaction to any U.S. person.

Unless otherwise stated, this message should not be construed as official confirmation of any transaction. No part of this document may be distributed in Canada or used by private customers in United Kingdom.

All trademarks, service marks and logos used in this report are trademarks or registered trademarks of LKP or its Group Companies. The information contained herein is not intended for publication or distribution or circulation in any manner whatsoever and any unauthorized reading, dissemination, distribution or copying of this communication is prohibited unless otherwise expressly authorized. Please ensure that you have read "Risk Disclosure Document for Capital Market and Derivatives Segments" as prescribed by Securities and Exchange Board of India before investing in Indian Securities Market. In so far as this report includes current or historic information, it is believed to be reliable, although its accuracy and completeness cannot be guaranteed.

All material presented in this report, unless specifically indicated otherwise, is under copyright to LKP. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted to, copied or distributed to any other party, without the prior express written permission of LKP.