#### **RESULT UPDATE**



#### **KEY DATA**

Rating	HOLD
Sector relative	Neutral
Price (INR)	151
12 month price target (INR)	160
52 Week High/Low	235/137
Market cap (INR bn/USD bn)	239/2.8
Free float (%)	51.0
Avg. daily value traded (INR mn)	1,922.0

#### SHAREHOLDING PATTERN

	Dec-24	Sep-24	Jun-24
Promoter	40.0%	40.0%	40.0%
FII	23.2%	26.7%	28.3%
DII	15.4%	16.3%	15.1%
Pledge	0.0%	0.0%	0.0%

FINANCIALS (INR mn)				
Year to March	FY23A	FY24A	FY25E	FY26E
Revenue	117282	124903	144475	154807
PPoP	70913	66395	74693	75105
Adjusted profit	21946	22296	29532	32653
Diluted EPS (INR)	13.6	13.8	18.3	20.3
EPS growth (%)	8621.9	1.6	32.5	10.6
RoAE (%)	11.9	10.8	12.9	12.7
P/E (x)	11.1	10.9	8.3	7.5
P/ABV (x)	1.2	1.1	1.0	0.9

#### **CHANGE IN ESTIMATES**

	Revised (	estimates	% Revi	sion
Year to March	FY25E	FY26E	FY25E	FY26E
Revenue	1,44,475	1,54,807	-0.2%	-4.7%
PPOP	74,693	75,105	-2.6%	-10.8%
Adjusted profit	29,532	32,653	-18.7%	-21.7%
Diluted EPS (INR)	18.3	20.3	-18.7%	-21.7%

#### PRICE PERFORMANCE



# A subdued quarter

Bandhan reported weak Q3FY25 earnings with a sharp drop in NIM and a big technical write-off. A sharp decline in NII due to margin miss and weak core fees led to PAT missing consensus by 7%. Net one-off income was high at 9% of PBT. EEB slippage rose 59% QoQ to 8% of EEB loans while the bank wrote off 2% of EEB loans. 0+ DPD in EEB rose from 3.3% to 3.8% QoQ. Core PPOP fell 21% QoQ/4% YoY.

With secured loans expected to outgrow EEB loans, normalised NIM would be lower. Slippage would remain elevated in Q4FY25E. Given the ongoing MFI stress, we maintain 'HOLD'. We are cutting FY25E/26E EPS by 19%/22%, and TP to INR160/1x BV FY26E from INR190/1.2x. JLG exposure to Karnataka is small at 0.7% of EEB loans.

#### Higher EEB slippage and write-off

EEB slippage shot up 59% QoQ to 8% of EEB loans. 30+DPD stood at 2.4%, rising 19% QoQ from 1.8%. However, SMA0 fell 8% QoQ to 1.4% from 1.5% QoQ. Whole bank slippage rose 46% QoQ and stood at 5.6% of lagged loans with EEB forming 74% of total. EEB GNPL, including write-off, rose 31% QoQ. CE for EEB in Dec-24 at 97.5% was lower than 97.8% in Sep-24, versus uptick for peers, due to weak CE in UP, Maharashtra, TN and Gujarat. Management guided for elevated slippage and credit cost for EEB even in Q4FY25. The bank wrote off INR12.6bn/2% of EEB loans, for which additional provisions of INR3.4bn shall be made in Q4FY25. Credit cost stood at 4.3% of loans (1.9% QoQ). Ex-technical write-off, credit cost was 3.3%, still much higher than 1.9% QoQ. Non-MFI slippage grew 13% QoQ. PCR is stable at 73.5%.

### Sharp decline in NIM; net one-off income at 9% of PBT

Loans grew 14% YoY/1% QoQ. Including write-off, growth would have been higher by 100bp. Deposits declined 1% QoQ/20% YoY with CASA growing 6% YoY. CASA ratio declined by 150bps QoQ while LDR stood at 90%. NIM declined sharply by 50bp QoQ due to MFI reversals, higher share of secured loans and lower CASA. NII declined 4% QoQ and grew 12% YoY. Core opex grew 3% QoQ / 23% YoY. The bank made ESOP provisions of INR1.66bn, which drove total opex to rise at a higher 13% QoQ. Core non-interest income fell 15% QoQ. The bank earned one-off income of INR5.4bn towards CGFMU claim recovery and INRO.52bn from the Assam government totalling to INR5.92bn. Against this income, the bank made provisions for write-off (INR3.4bn), ESOP (INR1.7bn) and non-banking assets (INR0.3bn) totalling INR5.3bn. Net one-off income was INR0.6bn/9% of PBT. Core PPOP was weak, down 21% QoQ/ 4% YoY. PAT slid 42% YoY/55% QoQ and was 7% below-consensus. Management guides to the share of secured loans rising to 55% from 49% currently. Credit cost would normalise at 2% in FY27E.

#### **Financials**

Year to March	Q3FY25	Q3FY24	% Change	Q2FY25	% Change
Net Revenue	39,261	30,705	27.9	35,430	10.8
Pre-provisioning Profits	20,214	16,553	22.1	18,551	9.0
Reported Profits	4,265	7,327	-41.8	9,374	-54.5
EPS	2.65	4.55	-41.8	5.82	-54.5

Mahrukh Adajania Mahrukh.Adajania@nuvama.com Madhukar Ladha Madhukar.ladha@nuvama.com **Anant Dumbhare** Anant.Dumbhare@nuvama.com Sagar Rungta sagar.rungta@nuvama.com

# **Financial Statements**

## Income Statement (INR mn)

Year to March	FY23A	FY24A	FY25E	FY26E
Net interest income	92,596	1,03,256	1,16,831	1,29,802
Non interest income	24,686	21,647	27,644	25,006
Net revenues	1,17,282	1,24,903	1,44,475	1,54,807
Operating expense	46,368	58,508	69,782	79,703
Employee exp	27,151	35,429	43,594	49,063
Other opex	19,217	23,079	26,188	30,640
Preprovision profit	70,913	66,395	74,693	75,105
Provisions	41,984	36,966	35,000	31,567
PBT	28,930	29,430	39,693	43,538
Taxes	6,983	7,134	10,161	10,884
PAT	21,946	22,296	29,532	32,653
Extraordinaries	0	0	0	0
Reported PAT	21,946	22,296	29,532	32,653
Diluted EPS (INR)	13.6	13.8	18.3	20.3

## **Important Ratios (%)**

Year to March	FY23A	FY24A	FY25E	FY26E
Net interest margins	7.0	6.9	6.6	6.5
Tax rate	24.1	24.2	25.6	25.0

#### **Valuation Metrics**

Year to March	FY23A	FY24A	FY25E	FY26E
Diluted PE (x)	11.1	10.9	8.3	7.5
Price/BV (x)	1.2	1.1	1.0	0.9

Source: Company and Nuvama estimates

## **Balance Sheet (INR mn)**

Year to March	FY23A	FY24A	FY25E	FY26E
Equity capital	16,108	16,110	16,110	16,110
Reserves	1,79,733	1,99,987	2,25,975	2,54,710
Net worth	1,95,842	2,16,096	2,42,084	2,70,819
Deposits	10,80,647	13,52,020	14,66,942	16,72,313
Borrowings	2,47,108	1,63,715	1,40,700	1,57,584
Other liabilities	36,774	46,585	54,000	59,400
Total	15,60,371	17,78,417	19,03,726	21,60,117
Assets				
Loans	10,47,568	12,11,368	13,18,574	15,03,174
Investments	3,23,659	2,92,876	3,71,287	4,11,597
Cash & equi	82,497	1,61,705	83,000	95,450
Fixed assets	8,546	11,734	12,000	13,200
Other assets	98,101	1,00,733	1,18,865	1,36,695
Total	15,60,371	17,78,417	19,03,726	21,60,117
BV/share (INR)	121.6	134.1	150.3	168.1

## **Balance Sheet Ratios (%)**

Year to March	FY23A	FY24A	FY25E	FY26E
Credit growth	11.5	15.6	8.9	14.0
Deposit growth	12.2	25.1	8.5	14.0
C-D ratio	96.9	89.6	89.9	89.9
Gross NPA ratio	4.9	3.8	4.8	4.5

#### **ROA Decomposition (%)**

NOA Decomposition (70)				
Year to March	FY23A	FY24A	FY25E	FY26E
NII/Assets	6.3	6.2	6.3	6.4
Net revenues/assets	8.0	7.5	7.8	7.6
Opex/Assets	(3.1)	(3.5)	(3.8)	(3.9)
Provisions/Assets	(2.8)	(2.2)	(1.9)	(1.6)
Taxes/Assets	(0.5)	(0.4)	(0.6)	(0.5)
Total costs/Assets	(6.5)	(6.1)	(6.2)	(6.0)
RoA	1.5	1.3	1.6	1.6
Equity/Assets	12.5	12.3	12.4	12.6
RoAE	11.9	10.8	12.9	12.7

#### **Valuation Drivers**

Year to March	FY23A	FY24A	FY25E	FY26E
EPS growth (%)	8621.9	1.6	32.5	10.6
RoAE (%)	11.9	10.8	12.9	12.7
RoA (%)	1.5	1.3	1.6	1.6

## Q3FY25 earnings call: Key takeaways

#### Important strategic initiatives

- Dedicated transformation management team: This team will be essential for driving innovation and improving operational efficiency. It will be responsible for aligning new technologies with business goals.
- Digital and transaction excellence unit: This unit will enhance focus and efficiency in managing transactions, payment solutions, and digital customer journeys, ultimately helping to improve granular deposits and fee-based income for the bank.
- Market intelligence team: This team will process unstructured public information using generative AI and LLMs to develop awareness of early warning signals, enabling appropriate risk mitigation steps.
- Credit administration department: This department will strengthen the bank's credit processes, oversee NPAs and post-disbursement monitoring, and enhance underwriting standards.

#### Focus on improving mix towards secured loans

- On the asset side, the focus will remain on increasing the secured loan mix with products such as home loans, gold loans, and CV and CE loans. Management sees significant potential in the MSME segment and aims to build a strong MSME loan book. The goal is to achieve a secured-to-unsecured loan mix of 55:45 by FY27.
- With a focus on growing the secured loan book, management stated that they
  view all segments in a secular manner and will equally focus on all targeted
  segments. Management has guided that the secured book will grow at three
  times the rate of the EEB book.
- The EEB book as of Q3FY25 stood at INR 561.2bn, declining 3% QoQ. Excluding write-offs, growth remained flat sequentially.
- Management explained that the fourth quarter traditionally sees high disbursements in the EEB segment. However, due to an increase in delinquencies and the implementation of strict guardrails by the bank, disbursements are not expected to be as aggressive as in Q4FY24, though they may still exceed Q3FY25 levels.
- The maturity of the EEB portfolio varies from 1 year to a maximum of 2 years, with an average maturity of 18 months.
- The bank has made good progress on geographical diversification over the years. Advances in the eastern and north-eastern regions have reduced to 39% as of Dec-24, down from 53% in FY22. The top five states—West Bengal, Maharashtra, Bihar, Gujarat, and Madhya Pradesh—contribute 59% of gross advances.
- Regarding the current scenario in Karnataka, management stated that due to
  the insignificant size of the loan book in the state, it is not a major concern for
  the bank. The total EEB portfolio in Karnataka stands at INR 7.4bn, with a
  delinquency rate of 13%. Of this, the group lending book accounts for only INR
  4bn.

#### **Deposits**

- The bank will focus on achieving strong granular deposit growth, with management aiming to drive deposit growth higher than advance growth.
- Deposits for the quarter stood at INR1.42tn, declining 1.1% sequentially. This
  decline was primarily due to management's conscious decision to reduce bulk
  deposits.
- CASA deposits stood at INR447.4bn, growing 5.5% YoY. Management stated that while growth has been softer, it remains largely in line with industry trends.

#### Asset quality and collection efficiency

- With improvements in the SMA-0 bucket for EEB loans and the bank's implementation of stronger guardrails, management is seeing signs of a trend reversal and expects asset quality to improve from Q1FY26.
- Collection efficiency (CE) for the non-EEB book declined to 98.3% in Q3FY25 from 98.7% in Q2FY25.
- CE for the EEB book also declined in Dec-24 compared to Sep-24. The dip in CE during Q3FY25 was primarily driven by the states of Uttar Pradesh, Tamil Nadu, Maharashtra and Gujarat.

#### Yields, cost and margins

- NIM for the quarter stood at 6.9%, down from 7.4% QoQ. The decline was driven by a fall in yields due to a shift in the loan mix towards secured assets and an increase in costs due to a competitive deposit market.
- Management emphasized the need to acknowledge that other universal peer banks do not have NIMs as high as Bandhan Bank. With the strategic shift towards a more secured book, NIM is expected to moderate. However, the bank will focus on maintaining RoA close to 2%, which will be achieved through increased business volumes and controlled slippages.
- The average and disbursement yield in the EEB book stood at 22.95% and 20.30%, respectively.

#### **Financial overview**

- NII for the quarter declined 4.0% QoQ to INR 28.3bn due to a shift in the product mix towards secured loans and higher slippages in the current quarter.
- Interest reversals for the quarter amounted to INR 0.69bn.
- Non-interest income for the quarter was INR 11bn, growing 84.4% QoQ, primarily driven by two one-offs: 1.) Receipt of INR 525mn against MFI loans from the Assam government. 2.) Claim payout from CGFMU, amounting to INR 5,376mn.
- Employee expenses for Q3FY25 stood at INR 12.3bn, growing 36.6% YoY and 17.6% QoQ. This was impacted by INR 1.7bn due to a change in accounting policy related to ESOPs.
- Growth in operating expenses (excluding one-offs) was 23% YoY and 3% QoQ, driven by investments in technology and volume growth in non-EEB segments.
- Management stated that, given the bank's current capacity-building phase, operating expense growth will remain around 20%.

- Provisions for the quarter were high at INR 13.8bn, compared to INR 6.1bn QoQ.
   Q3FY25 provisions included two one-offs: i) Incremental provisions of INR
   3.36bn on account of technical write-offs for the EEB portfolio, amounting to INR 12.66bn. ii) Provisions of INR 0.3bn for non-banking assets.
- With a focus on reducing slippages and shifting towards a secured book, management guided for a credit cost of 2% for FY27.

**Exhibit 1: Changes in estimates** 

	FY25E	FY26E	FY25E	FY26E	FY25E	FY26E
	Old	Old	New	New	% Change	% Change
NII, INR M	1,20,999	1,38,712	1,16,831	1,29,802	-3.4%	-6.4%
PAT, INR M	36,340	41,711	29,532	32,653	-18.7%	-21.7%
EPS, INR	22.6	25.9	18.3	20.3	-18.7%	-21.7%
BVPS, INR	154.2	177.5	150.3	168.1	-2.6%	-5.3%
Target price, INR		190		160		-15.8%
CMP				151		
% Change to CMP				6%		
Rating		HOLD		HOLD		

Source: Company, Nuvama Research

#### **Exhibit 2: Movement in EEB NPLs**

INR bn	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24
Opening EEB NPL	42.6	36.2	32.1	64.3	56.2
Add: Slippage	12.0	7.5	5.4	6.4	9.9
Less: Recoveries & Write offs	13.6	1.1	1.3	38.6	1.8
Closing NPLs	41.0	42.6	36.2	32.1	64.3
Slippage ratio, % of lagged EEB loans	8.3%	5.6%	4.3%	4.5%	7.5%

Source: Company, Nuvama Research

#### **Exhibit 3: GNPLs by segment**

INR bn	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24
EEB	41.0	42.6	36.2	32.1	64.3
SME	11.9	11.0	10.0	9.6	11.4
Housing	6.5	5.8	5.4	4.9	4.7
Retail	2.4	1.6	1.4	1.2	1.0
Total	61.8	61.0	53.0	47.8	81.4

Source: Company, Nuvama Research

#### **Exhibit 4: EEB DPD movement**

INR bn	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24
1-30	8.1	8.8	5.8	3.8	8.0
30-60	6.6	5.6	4.2	4.0	5.7
60-90	6.5	5.4	4.4	4.8	5.2
NPL	41.0	42.6	36.2	32.1	64.3
Total	62.2	62.4	50.6	44.7	83.2

Source: Company, Nuvama Research

Exhibit 5: EEB Book - Vintage analysis

INR bn	Dichurcomont	Disbursement —		As a % of disbursements		
IIV DII	Dispuisement -	SMA1	SMA2	NPA		
Q3FY25	122	0.00%	0.00%	0.00%		
Q2FY25	125	0.40%	0.20%	0.10%		
Q1FY25	137	0.80%	0.80%	1.00%		
Q4FY24	228	0.90%	0.90%	2.30%		
Q3FY24	174	0.70%	0.70%	2.70%		

Source: Company, Nuvama Research

#### **Exhibit 6: Movement in total NPLs**

INR bn	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24
Opening NPLs	61.0	53.0	47.8	81.4	78.7
Slippage	16.2	11.1	8.9	10.2	13.9
Recovery/upgrade	2.8	3.0	3.7	5.2	4.1
Write-offs	12.7	0.1	-	38.5	-
NPA Sale to ARC	-	-	-	-	7.2
Closing NPLs	61.8	61.0	53.0	47.8	81.4
Slippage ratio, % of lagged loans	5.6%	4.1%	3.5%	3.7%	5.7%

Source: Company, Nuvama Research

## Exhibit 7: Movement in yield, cost and margin

%	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24	YoY (bps)	QoQ (bps)
NIM	6.9	7.4	7.6	7.6	7.2	-30bps	-50bps
Cost of funds	7.1	7.0	7.0	6.9	6.6	50bps	10bps
Yield	13.3	13.7	13.9	13.8	13.4	-10bps	-40bps

Source: Company, Nuvama Research

#### **Exhibit 8: Asset book mix**

INR bn	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24	YoY (%)	QoQ (%)
Micro	561.2	592.9	619.1	622.4	576.0	-2.6%	-5.3%
Mortgages	326.4	316.3	294.1	299.2	288.5	13.1%	3.2%
Retail	87.6	75.1	62.3	55.8	44.9	95.1%	16.6%
SME, NBFC - MFI & NBFC - Others	345.0	322.2	280.7	269.8	250.0	38.0%	7.1%
Total	1,320.2	1,306.5	1,256.2	1,247.2	1,159.4	13.9%	1.0%

Source: Company, Nuvama Research

### **Exhibit 9: Deposit mix**

INR bn	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24	YoY (%)	QoQ (%)
Current account	61.2	64.3	61.5	96.6	66.6	-8.1%	-4.8%
Saving account	386.2	408.5	383.9	404.9	357.5	8.0%	-5.5%
Term deposit - Retail	520.6	493.2	476.5	436.5	412.6	26.2%	5.6%
Term deposit - Others	442.0	459.1	411.0	414.0	337.5	31.0%	-3.7%
Total deposits	1,410.0	1,425.1	1,332.9	1,352.0	1,174.2	20.1%	-1.1%

Source: Company, Nuvama Research

**Exhibit 10: Income statement summary** 

INR mn	Q3FY25	Q2FY25	Q1FY25	Q4FY24	Q3FY24	YoY (%)	QoQ (%)
Interest on advances	48,524	48,820	48,695	46,293	40,829	19%	-1%
Income on investments	5,484	5,189	5,324	4,744	4,923	11%	6%
Interest on other resources	159	302	417	224	181	-12%	-47%
Others	621	687	922	633	721	-14%	-10%
Interest Income	54,787	54,998	55,358	51,893	46,654	17%	0%
Interest expended	26,484	25,516	25,308	23,231	21,401	24%	4%
Net Interest Income	28,303	29,483	30,050	28,663	25,254	12%	-4%
Non-interest income	10,959	5,947	5,275	6,941	5,452	101%	84%
Total Revenue	39,261	35,430	35,326	35,604	30,705	28%	11%
Employee expenses	12,274	10,440	10,054	9,702	8,987	37%	18%
Other Operating expenses	6,774	6,438	5,863	7,517	5,165	31%	5%
Total Operating expenses	19,048	16,879	15,917	17,219	14,152	35%	13%
Operating Profit	20,214	18,551	19,409	18,385	16,553	22%	9%
Provisions	13,760	6,062	5,230	17,743	6,840	101%	127%
PBT	6,453	12,489	14,179	642	9,713	-34%	-48%
Tax	2,189	3,114	3,544	95	2,386	-8%	-30%
Net Profit	4,265	9,374	10,635	546	7,327	-42%	-55%

Source: Company, Nuvama Research

#### **Company Description**

Bandhan Bank started its journey as a not-for-profit entity in 2001, which became an NBFC in 2009 and then the first microfinance company to receive a banking licence from the RBI in August 2015. The company was established by Mr Chandra Shekhar Ghosh to provide micro loans to women that are socially disadvantaged and economically exploited. It is a bank for all, but its focus remains on meeting financial needs of people that are overlooked by the formal banking system—economically disadvantaged sections of society—and acting as a vehicle-of-empowerment and creating better education, health care and self-employment opportunities. In January 2019, Bandhan decided to merge with Gruh Finance. Gruh Finance is a housing finance company with a loan book of ~INR177bn (June 2019) engaged in retail home loans.

#### **Investment Theme**

With secured loans expected to grow faster than EEB loans, normalized NIM would be lower. Slippage would remain elevated in Q4FY25E. With the ongoing MFI stress, we maintain HOLD. We cut EPS by 19%/22% for FY25E/FY26E. We cut TP to INR160/1x BV FY26 from INR190 / 1.2x. JLG exposure to Karnataka is small at 0.7% of EEB loans.

#### **Key Risks**

- CE in Q4FY25 may not consistently improve
- Margin pressure due to change in loan mix

# **Additional Data**

### Management

MD & CEO	Partha Pratim Sengupta
Chairman	Anup Kumar Sinha
ED	Ratan Kumar Kesh
CFO	Rajeev Mantri
Auditor	Singhi & Co.

#### **Recent Company Research**

Date	Title	Price	Reco
25-Oct-24	Better than peers ; Result Update	168	Hold
27-Jul-24	Earnings strong; CAR markdown big too; Result Update	192	Hold
17-May-24	Clean-up complete; all eyes on new CEO; Result Update	181	Hold

## Holdings – Top 10\*

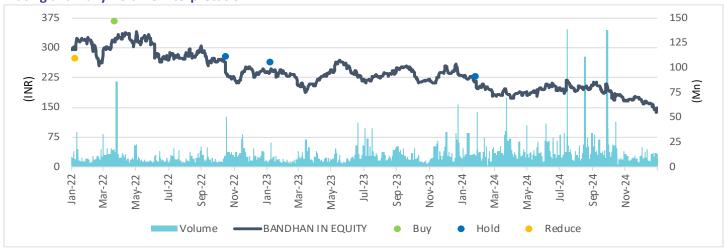
	% Holding		% Holding
Caladium Invst	7.78	Tata AIA Life	1.11
LIC	3.69	HDFC MF	1.06
TATA Fund	1.55	SBI Life	1.02
Gov Pension Fund	1.29	MFS Equity Fund	1.02
Mathews Fund	1.20		

<sup>\*</sup>Latest public data

#### **Recent Sector Research**

Date	Name of Co./Sector	Title
20-Sep-21	Banking	Reimagining credit; Sector Update
11-Feb-20	Union Bank (I)	Union Bank of India - Result Update Q3FY; Result Update
17-Jan-20	South Ind.Bank	South Indian Bank - Result Update Q3FY20; Result Update

## **Rating and Daily Volume Interpretation**



Source: Bloomberg, Nuvama research

#### Rating Rationale & Distribution: Nuvama Research

rating rationale & Distribution: rearanta research				
Rating	Expected absolute returns over 12 months	Rating Distribution		
Buy	15%	226		
Hold	<15% and >-5%	64		
Reduce	<-5%	27		

#### **DISCLAIMER**

Nuvama Wealth Management Limited (defined as "NWML" or "Research Entity") a company duly incorporated under the Companies Act, 1956 (CIN No L67110MH1993PLC344634) having its Registered office situated at 801- 804, Wing A, Building No. 3, Inspire BKC, G Block, Bandra Kurla Complex, Bandra East, Mumbai – 400 051 is regulated by the Securities and Exchange Board of India ("SEBI") and is licensed to carry on the business of broking, Investment Adviser, Research Analyst and other related activities. Name of Compliance/Grievance officer: Mr. Atul Bapna, E-mail address: <a href="mailto:compliance-officer.nwm@nuvama.com">compliance-officer.nwm@nuvama.com</a> Contact details +91 (22) 6623 3478 Investor Grievance e-mail address- <a href="mailto:grievance.nwm@nuvama.com">grievance.nwm@nuvama.com</a>

This Report has been prepared by NWML in the capacity of a Research Analyst having SEBI Registration No.INH000011316 and Enlistment no. 5723 with BSE and distributed as per SEBI (Research Analysts) Regulations 2014. This report does not constitute an offer or solicitation for the purchase or sale of any financial instrument or as an official confirmation of any transaction. Securities as defined in clause (h) of section 2 of the Securities Contracts (Regulation) Act, 1956 includes Financial Instruments and Currency Derivatives. The information contained herein is from publicly available data or other sources believed to be reliable. This report is provided for assistance only and is not intended to be and must not alone be taken as the basis for an investment decision. The user assumes the entire risk of any use made of this information. Each recipient of this report should make such investigation as it deems necessary to arrive at an independent evaluation of an investment in Securities referred to in this document (including the merits and risks involved), and should consult his own advisors to determine the merits and risks of such investment. The investment discussed or views expressed may not be suitable for all investors.

This information is strictly confidential and is being furnished to you solely for your information. This information should not be reproduced or redistributed or passed on directly or indirectly in any form to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject NWML and associates, subsidiaries / group companies to any registration or licensing requirements within such jurisdiction. The distribution of this report in certain jurisdictions may be restricted by law, and persons in whose possession this report comes, should observe, any such restrictions. The information given in this report in certain report and there can be no assurance that future results or events will be consistent with this information. This information is subject to change without any prior notice. NWML reserves the right to make modifications and alterations to this statement as may be required from time to time. NWML or any of its associates / group companies shall not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. NWML is committed to providing independent and transparent recommendation to its clients. Neither NWML nor any of its associates, group companies, directors, employees, agents or representatives shall be liable for any damages whether direct, indirect, special or consequential including loss of revenue or lost profits that may arise from or in connection with the use of the information. Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein. Past performance is not necessarily a guide to future performance. The

NWML shall not be liable for any delay or any other interruption which may occur in presenting the data due to any reason including network (Internet) reasons or snags in the system, break down of the system or any other equipment, server breakdown, maintenance shutdown, breakdown of communication services or inability of the NWML to present the data. In no event shall NWML be liable for any damages, including without limitation direct or indirect, special, incidental, or consequential damages, losses or expenses arising in connection with the data presented by the NWML through this report.

We offer our research services to clients as well as our prospects. Though this report is disseminated to all the customers simultaneously, not all customers may receive this report at the same time. We will not treat recipients as customers by virtue of their receiving this report.

NWML and its associates, officer, directors, and employees, research analyst (including relatives) worldwide may: (a) from time to time, have long or short positions in, and buy or sell the Securities, mentioned herein or (b) be engaged in any other transaction involving such Securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the subject company/company(ies) discussed herein or act as advisor or lender/borrower to such company(ies) or have other potential/material conflict of interest with respect to any recommendation and related information and opinions at the time of publication of research report or at the time of public appearance. (c) NWML may have proprietary long/short position in the above mentioned scrip(s) and therefore should be considered as interested. (d) The views provided herein are general in nature and do not consider risk appetite or investment objective of any particular investor; readers are requested to take independent professional advice before investing. This should not be construed as invitation or solicitation to do business with NWML (e) Registration granted by SEBI and certification from NISM in no way guarantee performance of NWML or provide any assurance of returns to investors and clients.

NWML or its associates may have received compensation from the subject company in the past 12 months. NWML or its associates may have managed or co-managed public offering of securities for the subject company in the past 12 months. NWML or its associates may have received compensation for investment banking or merchant banking or brokerage services from the subject company in the past 12 months. NWML or its associates may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past 12 months. NWML or its associates have not received any compensation or other benefits from the Subject Company or third party in connection with the research report. Research analyst or his/her relative or NWML's associates may have financial interest in the subject company. NWML and/or its Group Companies, their Directors, affiliates and/or employees may have interests/positions, financial or otherwise in the Securities/Currencies and other investment products mentioned in this report. NWML, its associates, research analyst and his/her relative may have other potential/material conflict of interest with respect to any recommendation and related information and opinions at the time of public appearance.

Participants in foreign exchange transactions may incur risks arising from several factors, including the following: (i) exchange rates can be volatile and are subject to large fluctuations; (ii) the value of currencies may be affected by numerous market factors, including world and national economic, political and regulatory events, events in equity and debt markets and changes in interest rates; and (iii) currencies may be subject to devaluation or government imposed exchange controls which could affect the value of the currency. Investors in securities such as ADRs and Currency Derivatives, whose values are affected by the currency of an underlying security, effectively assume currency risk.

Research analyst has served as an officer, director or employee of subject Company: No

NWML has financial interest in the subject companies: No

NWML's 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 relative has 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

NWML has 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

Subject company may have been client during twelve months preceding the date of distribution of the research report.

There were no instances of non-compliance by NWML on any matter related to the capital markets, resulting in significant and material disciplinary action during the last three years. A graph of daily closing prices of the securities is also available at <a href="https://www.nseindia.com">www.nseindia.com</a>

#### **Analyst Certification:**

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.

#### **Additional Disclaimers**

#### Disclaimer for U.S. Persons

This research report is a product of NWML, which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by NWML only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, NWML has entered into an agreement with a U.S. registered broker-dealer, Nuvama Financial Services Inc. (formerly Edelweiss Financial Services Inc.) ("NFSI"). Transactions in securities discussed in this research report should be effected through NFSI.

#### Disclaimer for U.K. Persons

The contents of this research report have not been approved by an authorised person within the meaning of the Financial Services and Markets Act 2000 ("FSMA").

In the United Kingdom, this research report is being distributed only to and is directed only at (a) persons who have professional experience in matters relating to investments falling within Article 19(5) of the FSMA (Financial Promotion) Order 2005 (the "Order"); (b) persons falling within Article 49(2)(a) to (d) of the Order (including high net worth companies and unincorporated associations); and (c) any other persons to whom it may otherwise lawfully be communicated (all such persons together being referred to as "relevant persons").

This research report must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this research report relates is available only to relevant persons and will be engaged in only with relevant persons. Any person who is not a relevant person should not act or rely on this research report or any of its contents. This research report must not be distributed, published, reproduced or disclosed (in whole or in part) by recipients to any other person.

#### Disclaimer for Canadian Persons

This research report is a product of NWML, which is the employer of the research analysts who have prepared the research report. The research analysts preparing the research report are resident outside the Canada and are not associated persons of any Canadian registered adviser and/or dealer and, therefore, the analysts are not subject to supervision by a Canadian registered adviser and/or dealer, and are not required to satisfy the regulatory licensing requirements of the Ontario Securities Commission, other Canadian provincial securities regulators, the Investment Industry Regulatory Organization of Canada and are not required to otherwise comply with Canadian rules or regulations regarding, among other things, the research analysts' business or relationship with a subject company or trading of securities by a research analyst.

This report is intended for distribution by NWML only to "Permitted Clients" (as defined in National Instrument 31-103 ("NI 31-103")) who are resident in the Province of Ontario, Canada (an "Ontario Permitted Client"). If the recipient of this report is not an Ontario Permitted Client, as specified above, then the recipient should not act upon this report and should return the report to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any Canadian person.

NWML is relying on an exemption from the adviser and/or dealer registration requirements under NI 31-103 available to certain international advisers and/or dealers. Please be advised that (i) NWML is not registered in the Province of Ontario to trade in securities; (ii) NWML's head office or principal place of business is located in India; (iii) all or substantially all of NWML's assets may be situated outside of Canada; (iv) there may be difficulty enforcing legal rights against NWML because of the above; and (v) the name and address of the NWML's agent for service of process in the Province of Ontario is: Bamac Services Inc., 181 Bay Street, Suite 2100, Toronto, Ontario MSJ 273 Canada.

#### Disclaimer for Singapore Persons

In Singapore, this report is being distributed by Nuvama Investment Advisors Private Limited (NIAPL) (Previously Edelweiss Investment Advisors Private Limited ("EIAPL")) (Co. Reg. No. 201016306H) which is a holder of a capital markets services license and an exempt financial adviser in Singapore and (ii) solely to persons who qualify as "institutional investors" or "accredited investors" as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Pursuant to regulations 33, 34, 35 and 36 of the Financial Advisers Regulations ("FAR"), sections 25, 27 and 36 of the Financial Advisers Act, Chapter 110 of Singapore shall not apply to NIAPL when providing any financial advisory services to an accredited investor (as defined in regulation 36 of the FAR. Persons in Singapore should contact NIAPL in respect of any matter arising from, or in connection with this publication/communication. This report is not suitable for private investors.

#### Disclaimer for Hong Kong persons

This report is distributed in Hong Kong by Nuvama Investment Advisors (Hong Kong) Private Limited (NIAHK) (Previously Edelweiss Securities (Hong Kong) Private Limited (ESHK)), a licensed corporation (BOM -874) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to Section 116(1) of the Securities and Futures Ordinance "SFO". This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The report also does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of any individual recipients. The Indian Analyst(s) who compile this report is/are not located in Hong Kong and is/are not licensed to carry on regulated activities in Hong Kong and does not / do not hold themselves out as being able to do so.

INVESTMENT IN SECURITIES MARKET ARE SUBJECT TO MARKET RISKS. READ ALL THE RELATED DOCUMENTS CAREFULLY BEFORE INVESTING.

Abneesh Roy Head of Research Committee Abneesh.Roy@nuvama.com