

**IPO Meet Note** 

Rs. 102-108

Type of Issue	Issue size Rs. Bn
Fresh Issue	100
Offer for Sale	-
Total	100
Post issue mkt cap*	910
Lot size	138 shares

\*At Upper Price Band

Issue Break-Up					
Reservati	on for	% of Issue			
QIB		75%			
NIB		10%			
Retail		15%			
Total		100%			
Indicative	Offer Timeline	Indicative Date			
Bid/Offer	Opening Date	Nov 19, 2024			
Bid/Offer	Closing Date	Nov 22, 2024			
Finalization of the Basis of Allotment		Nov 25, 2024			
Credit of shares		Nov 26, 2024			
Initiation of refunds		Nov 26, 2024			
Listing Dat	e	Nov 27, 2024			
	Use Of Proceeds	Rs. In mn			
Investme	nt in NTPC REL for payment of	75 000			
borrowings 75,000					
General C	orporate Purpose				
	Lead Bankers				
Managar	IDBI Capital, HDFC Bank, IIFL	Capital, Nuvama			
Manager	Wealth Management				
Registrar	KFin Technologies				

Onkar Kelji	Kartikey Kashyape
Research Analyst	<b>Research Associate</b>
onkark@indsec.co.in	<u>kartikeyk@indsec.co.in</u>
+91 22 61146103	+91 22 61146111

Source: RHP

**Riding the Solar Energy adoption Wave...** 

#### **Company Overview:**

- NTPC Green is the wholly owned subsidiary for NTPC Ltd, a Maharatna CPSE. NTPC Group is a large scale integrated energy business with an electric power generating capacity of over 76 GW as of September 30, 2024.
- As a renewable energy arm of NTPC Group, their portfolio encompasses both solar and wind power assets and has presence across 6 states.
- As of September 30, 2024, their portfolio consisted of 16,896 MWs including 3,320 MWs of operating projects and 13,576 MWs of contracted and awarded projects. Of the total operational capacity, 3,220 MW pertains to solar projects and 100 MW of wind projects. Additionally, "Capacity under pipeline" consist of 9,175 MWs aggregating the total portfolio to 26,071 MWs.
- As on the date of RHP, 36 renewable energy projects are in the process of construction across 6 states consisting of 13,576 MWs of contracted and awarded projects.
- Renewable energy sale accounted for over 95% of their revenue from operations over FY22-H1FY25.
- They enters into long-term PPAs (generally 25 years) with offtakers majorly government backed entities. As of September 30, 2024, they had 17 offtakers, of which 9 are government agencies and public utilities.
- Land forms an integral part of project, as of September 30, 2024, NTPC Green owned ~8,900 acres of freehold land and ~45,700 acres of leashold land.
- In solar projects, they undertake diversified strategy for setting up power plants from using turnkey EPC contract model, to a model where they take responsibility for procurement of major equipment and supplies and the contractor builds, commissions and hands over the solar plant. For wind energy project, they generally incorporates EPC model.

Valuation and View: At an upper price band of Rs 108, NTPC Green is valued at an EV/EBITDA of 53.6x and EV/MW of 32x on FY24 basis. As of Sept 30, 2024, NTPC Green operational capacity stands at 3.3GW. The company aims to increase its operational capacity to 6GW/11GW/19GW by FY25E/26E/27E respectively, translating into a CAGR of 87% over FY24-27E basis. NTPC Group intends to expand its non-fossil-based capacity to 60 GW by 2032. This would result in company's valuation to be priced at an EV/MW of 15.6x/8.5x/4.9x on FY25E/26E/27E basis respectively. In place execution capabilities backed by strong parentage, industry growth tailwind and play in Battery Energy Storage System (BESS) augurs well for growth. However, the IPO is aggressively priced vs its listed peers which is trading at an EV/EBITDA of 38-40x. We thereby assign "Subscribe for Long-Term" rating to the IPO.



## Shareholding Structure

Particulars	No. of Shares (in Bn)			% of Total Equity Capital	
	Pre-IPO		Post-IPO		
Promoter	7,500,000	100.0%	7,500,000	89.0%	
Public	-	0.0%	925,926	11.0%	
Total	7,500,000	100.0%	8,425,926	100.0%	

\*At upper price band

### **Issue Structure**

(Rs. Mn)	Floor	Сар
Net Offer	100,000	100,000
QIB Portion (75% of Offer)	75,000	75,000
Non Institutional portion (15% of Offer)	15,000	15,000
Retail portion (35% of Offer)	10,000	10,000

## **Key Financial Summary**

(Rs. Mn)	FY22*	FY23*	FY24
Revenue	9,104	14,497	19,626
EBITDA	7,949	13,096	17,465
EBITDA margin	87.3%	90.3%	89.0%
Adj. PAT	947	4,565	3,477
Adj. PAT margin	10.4%	31.5%	17.6%

\*Special Purpose Carved Out



### **Key Risks**

- Concentration risk: Top 5 offtakers contributes over 87% of its FY24 revenue from operations with top offtaker contributing ~50% of their revenue from operations in FY24. If any of these offtakers faces financial difficulties or discontinue or terminate its PPA contract with the company, it could adversely affect results of operations and financial conditions.
- Raw Material Risk: The company is dependent on third party suppliers for meeting our materials, component and equipment requirements. Top 10 suppliers accounted for 92.65% and 77.71% of their supplies in the H1FY25 and in Fiscal 2024, respectively. Any disruption to the timely and adequate supply, or volatility in the prices of required materials, components and equipment may adversely impact their business, results of operations and financial condition.
- Cost Overruns: The business may be subject to cost overruns or delays on account of delay of materials from suppliers, political change and strike or shortage of laborer to carry out execution. This could lead to liquidation of performance Bank guarantees offered by the company. If invoked, it could adversely affect their results of operations.
- Geographic risk: As of Sept' 2024 and in Fiscal 2024, 62.20% and 61.74%, respectively, of their operating renewable energy projects are concentrated in Rajasthan. Any significant social, political, economic or seasonal disruption, natural calamities or civil disruptions in Rajasthan could have an adverse effect on their business, results of operations and financial condition.



### Strengths:

- Strong parentage of NTPC Ltd: NTPC's, a CPSU, has a legacy of 5 decades in India's power generation and distribution industry. This translates into extensive experience in executing large- scale projects, long-term relationships with offtakers and suppliers and financial strength for NTPC Green. <u>NTPC Group is looking</u> to expand its non-fossil based capacity to 45-50% of its portfolio that will include 60 GW renewable energy capacity by 2032. India's goal of achieving 50% of cumulative electric power installed capacity from non-fossil based energy source by 2030, means NTPC Group is committed to NTPC Green long term success as its sustainability arm and partner. NTPC Ltd has contributed Rs 75,000 million to the company by way of equity contributions since inception.
- Portfolio of 16,896 MWs solar and wind projects: As of September 30, 2024, their portfolio consisted of 16,896 MWs including 3,320 MWs operating projects and 13,576 MWs projects contracted and awarded. These projects are spread across 7 states in India mitigating the concentration risk. Additionally, their capacity under pipeline consisted of 9,175 MWs. This coupled with contracted and awarded projects of 13,576 MWs highlights their large portfolio of utility-scale solar energy projects and wind energy projects for PSUs and Indian corporates. They are considered a partner of choice by many PSUs for fulfillment of their renewable energy development goals.
- Experienced team in renewable energy project Execution and Procurement: For execution, the company is backed by NTPC Group which has a strong track record of developing, constructing and operating renewable power projects. Procurement involves purchase of major components such as solar panels, inverters, wind turbines and some components of power evacuation systems directly from domestic and international manufacturers. Their inhouse procurement team selects suppliers based on expected cost, reliability, commercial conditions, manufacturing capacity, track record, quality, warranty coverage, ease of installation and other ancillary costs.
- Experienced Management Team: NTPC Green's senior management team comes with loads of experience In India power industry. The senior management team has played an instrumental role in solidifying relationships with offtaker as well as relationship with regulators. Management team's guidance to understand and anticipate market trends, will act as a catalyst to manage their business operations and growth.



### Strategies:

- Continue to grow Project pipeline: The demand and market for renewable energy is growing. The company thereby intends to strengthen its position by continuing to win bids and tenders of Central and State government agencies and state public utilities. *In particular, they aim to focus on qiqawatt scale projects*. They intend to grow its portfolio through prudent bidding and strategic JV with PSUs and private corporates. They have signed joint venture agreements with Rajasthan Rajya Vidyut Utpadan Nigam Limited (RRVUNL), Mahatma Phule Renewable Energy & Infrastructure Technology Limited MAHAPREIT), Damodar Valley Corporation (DVC) and two other PSUs and have signed MOUs or term sheets with other private corporates.
- Focus on projects in new energy solutions like green hydrogen, green chemicals and storage: They are investing in hydrogen, green chemical and battery storage capabilities and solutions as well as associated technologies. For green hydrogen and green chemicals, they are developing green hydrogen hub at Pudimadaka and finalizing a tie-up for electrolysers. For battery storage, they intend to install the Grid scale battery storage as part of Firm and Dispatchable Renewable Energy (FDRE)/Round-the-Clock (RTC) projects to complement the solar and wind power. This also enable them to participate in standalone Grid scale battery energy storage system service tenders floated in the market for various DISCOMS or Grid balancing. Further, they are in process to install Battery Energy Storage System (BESS) at a NTPC Thermal plant to smooth the flexibilization on pilot basis. *They are presently developing 2.7 GW of RTC renewable energy capacity, which also includes one of the world's largest RTC renewable energy projects of 1.3 GW.*
- Drive efficiency and cost reductions in project execution and operating & maintenance: They seek to further enhance their project execution efforts in order to control costs and optimize the output of projects. To reduce project costs per megawatt operating they intend to implement new technologies viz new turbines, solar modules, which are capable of higher generation levels. They are also incorporating robotic cleaning storage technologies to reduce auxiliary power consumption, using artificial intelligence ("AI") enabled tools for forecasting and scheduling, utilizing drones and new maintenance technologies as part of enhanced project monitoring and O&M efforts.



## Revenue from Top x Off-Takers

	FY22			FY23	FY24		
Particulars	Amount % of Revenue (Rs Mn) from Operations		Amount (Rs Mn)	% of Revenue from Operations	Amount (Rs Mn)	% of Revenue from Operations	
Top 1 off-taker	185	2.0%	4,613	31.8%	9,755	49.7%	
Top 5 off-takers	7,808	85.8%	12,430	85.8%	17,320	87.8%	
Top 9 off-takers	8,899	97.8%	14,286	98.5%	19,161	97.6%	

Сар			
Particulars	FY22	FY23	FY24
Capacity of bids auctioned (in MW)	18,000	12,000	49,000
Capacity of bids participated in (in MW)	10,735	5,250	21,325
Quoted capacity (in MW)	6,090	2,255	8,900
Allotted capacity (in MW)	3,265	1,190	3,455
Percentage of bids won against capacity of total bids	53.6%	52.8%	38.8%



## PHS and BESS Comparison

	PHS	BESS
Capital cost	Total capital cost for a closed loop PHS	Lithium-ion battery storage can range
Efficiency	75-80%	80-85%
Land requirement	~2,000 m2/MW	~100 m2/MW
Ideal storage duration	6 – 12 hours	Upto 4 hours
Response time	30-90 seconds	In milliseconds
Project life	40 – 50 years (life of dam/reservoir is over	10-12 years
Construction period	4 – 5 years, it also depends upon other ex-	1 year
Operating cost	Lower	Higher since batteries need to be re-
Estimated levelized tariff	Rs 4 – 6 per kWh	Rs 5 – 7 per kWh



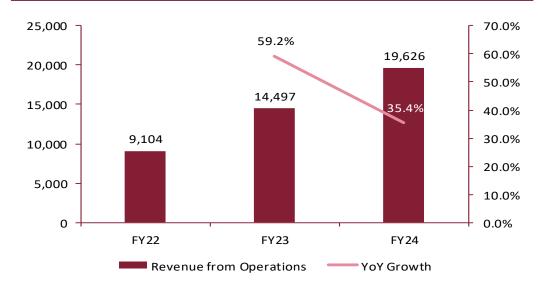
# NTPC Green Energy Ltd vs Peers

Parameter		NTPC GEL	Adani Green Energy	Renew	Greenko	ACME Solar Holdings	JSW Neo	TATA Power REL
Promoter/Group		NTPC	Adani Group	Renew Group	Greenko Group	ACME Group	JSW	TATA Power
	Solar	3.3	7.4	4.0	2.2	1.3	0.7	3.7
Operational capacity	Wind	0.2	1.7	4.3	3.2	0.0	2.0	1.0
(GW)	Others		2.1	0.0	0.0	0.0	0.0	0.0
	Solar		16.8	3.3	1.0	1.8	3.2	1.0
Under construction/ Pipeline (GW)	Wind	UC: 8.1 Pipeline: 10.6	2.4	1.8	0.4	0.2	1.7	0.0
	Others		2.7	0.0	0.0	2.1	2.3	4.5

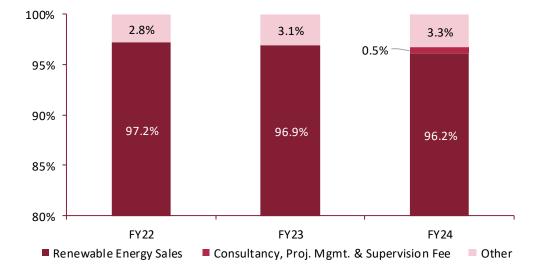
Particulars	NTPC R	E* Group	NTPC GEL	ReNew			Adani Green			
	FY22(A)	FY23(A)	FY24 (A)	FY22(A)	FY23(A)	FY24 (A)	FY22(A)	FY23(A)	FY24 (A)	
	Installed Capacity (MW)									
Solar	1,395	2,561	2,825	3,690	3,970	4,500	NA	4,975	7,393	
Wind	50	50	100	3,780	3,910	4,600	NA	971	1,401	
Hybrid	0	0	0	NA	NA	NA	NA	2,140	2,140	
Total	1,445	2,611	2,925	7,470	7,880	9,100	5,410	8,086	10,934	
			Ge	neration (ML	Js)					
Solar	1,864	3,759	5,591	8,469	8,112	8,794	8,097	10,457	11,046	
Wind	104	103	122	5,677	9,002	10,243	1,329	1,820	3,117	
Hybrid	0	0	0	NA	NA	NA	0	2,603	7,643	
			A	verage CUF (%	6)					
Solar	19.2%	22.7%	24.0%	23.1%	24.8%	24.4%	23.8%	24.7%	24.5%	
Wind	23.7%	23.6%	19.8%	25.4%	25.5%	26.4%	30.8%	25.2%	29.4%	
Hybrid	0.0%	0.0%	0.0%	NA	NA	NA	NA	35.5%	40.7%	



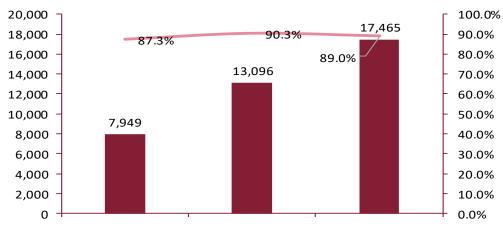
Revenue (Rs In Mn)



## Segment wise Revenue

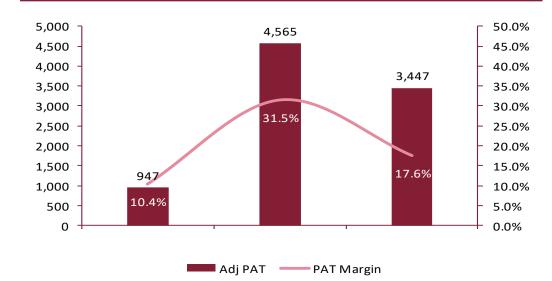


### EBITDA & EBITDA Margin (Rs In Mn)



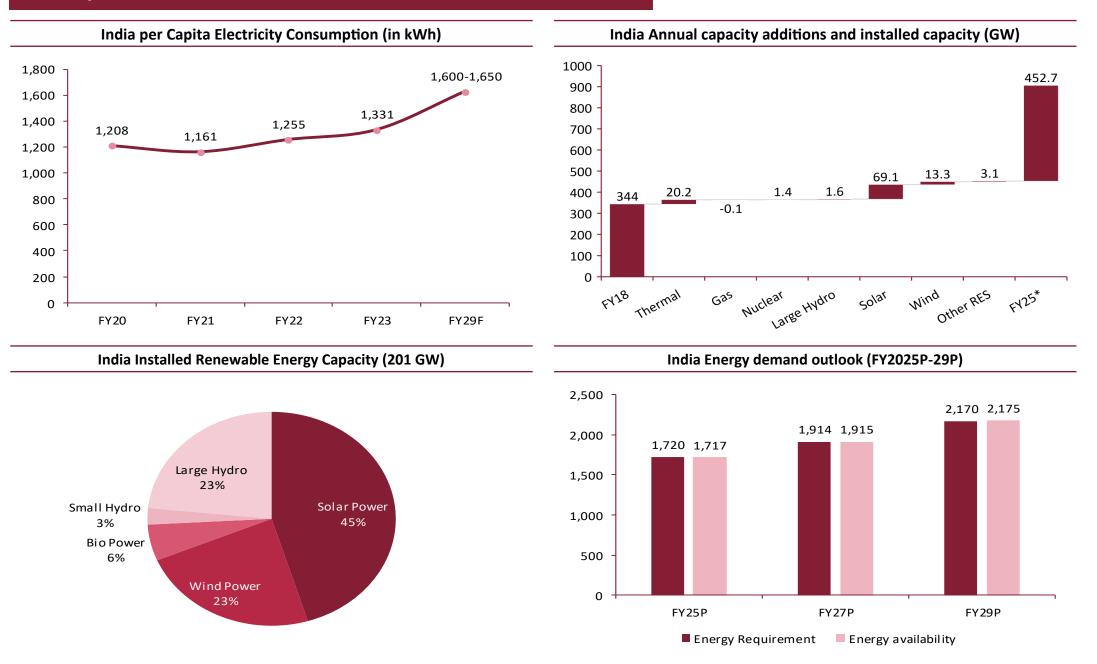
EBITDA — EBITDA Margin

Adjusted PAT and PAT Margin (Rs In Mn)

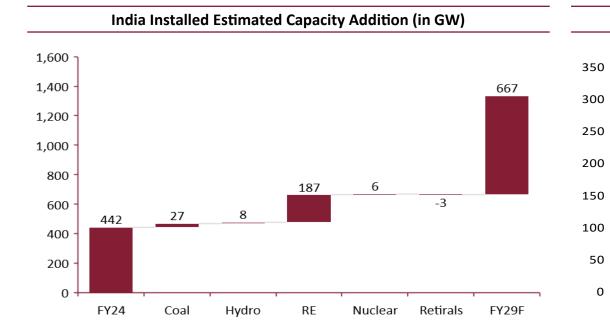




## **Industry Overview**







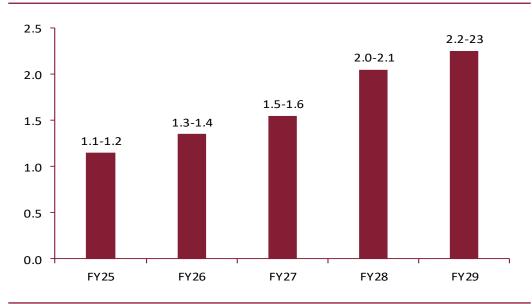
India Peak Demand Projection (GW)



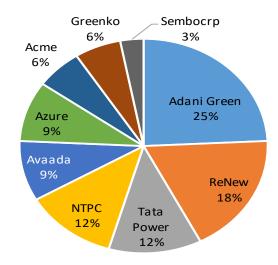


## **Industry Overview**

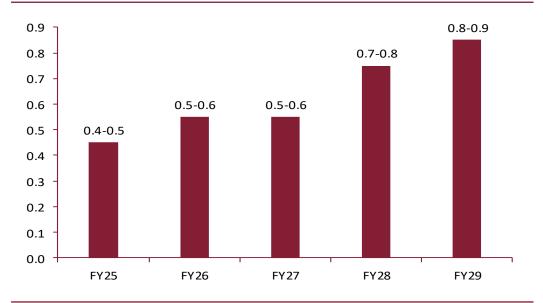
### Expected Investments in the Solar Energy Generation Sector in India



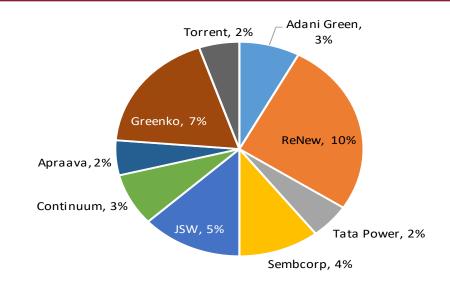
### Key Players in Solar Energy and their Installed Capacity in India (90,762 MW)



### Expected Investments in the Wind Energy Generation Sector in India



### Key Players in Wind Energy and their Installed Capacity in India (47,363 MW)





#### **INDSEC Rating Distribution**

BUY : Expected total return of over 15% within the next 12-18 months.

HOLD : Expected total return between 0% to 15% within the next 12-18 months.

SELL : Expected total return is negative within the next 12-18 months.

**NEUTRAL:** No investment opinion, stock under review.

#### DISCLOSURE

#### DISCLOSURE

#### **BUSINESS ACTIVITIES:**

Indsec Securities and Finance Limited (ISFL) is a corporate member of BSE (Equity, WDM segment), of NSEIL (Equity, WDM, Futures & Options and Currency Derivative segments) and has also secured membership of the MSEI Exchange (Currency Derivative Segment) vide registration No. INZ000236731. ISFL is an AMFI Registered Mutual Fund Advisor (MRMFA) vide Registration Number 9194. ISFL is also a Depository Participant of the National Securities Depository Limited (NSDL) and a SEBI registered Portfolio Manager. With this setup ISFL is in a position to offer all types of services in the securities industry.

Since inception company's focus has been on research. In view of its research capabilities ISFL focused mainly on institutional business and is today empaneled with most of the local financial institutions, insurance companies, banks and mutual funds. ISFL has grown from being a medium size broking outfit to become one of the largest capitalized Indian broking company offering the complete range of broking services.

ISFL was incorporated on 28th July 1993 and doesn't have any associates/ subsidiaries. ISFL is a registered Portfolio Manager under SEBI (Portfolio Managers) Regulations, 1993 vide registration No. INP000001892.

Registration granted by SEBI and certification from NISM in no way guarantee the performance of the intermediary or provide any assurance of returns to investors.

#### DISCIPLINARY HISTORY:

- No material penalties / directions have been issued by the SEBI under the securities laws, SEBI Act or Rules or Regulations made there under
- No penalties have been imposed for any economic offence by any authority.
- No material deficiencies in the systems and operations of the Company have been observed by any regulatory agency.
- There are no pending material litigations or legal proceedings, findings of inspections or investigations for which action has been taken or initiated by any regulatory authority against the Company or its Directors, principal officers or employees or any person directly or indirectly connected with the Company.

#### DECLARATION:

- ISFL/Research Analysts or their associates or their relatives do not have any financial interest in the subject company (ies);
- ISFL/Research Analysts or their associates or their relatives do not have actual or beneficial ownership of 1 % or more in the subject company (ies);
- Directors may have actual or beneficial ownership of 1 % or more in the subject company (ies);
- ISFL/Research Analysts or their associates or their relatives do not have any material conflict of interest in the subject company(ies) at the time of publication of this document;
- ISFL has not received any compensation from the subject company (ies) in the past twelve months;
- ISFL has not managed or co-managed public offering of securities for the subject company (ies) in the past twelve months;
- ISFL has not received any compensation for investment banking or merchant banking or brokerage services or any other service from the subject company (ies) in the past twelve months;
- ISFL has not received any compensation or other benefits from the subject company (ies) or third party in connection with this document;
- None of the research analysts have served as an officer, director or employee of the subject company (ies);
- ISFL has not been engaged in the market making activity for the subject company (ies);



#### DISCLOSURE

#### **GENERAL TERMS AND CONDITION/ DISCLAIMERS:**

This document has been issued by ISFL and is for informational purposes only and is not intended as an offer or solicitation for the purchase or sale of security.

This document has been prepared and issued on the basis of publicly available information, internally developed data and other sources believed to be reliable. However, we do not guarantee its accuracy and the information may be incomplete and condensed. Note however that, we have taken meticulous care to ensure that the facts stated are accurate and opinions given are fair and reasonable, neither the analyst nor any other employee of our company is in any way responsible for its contents. The Company's research department has received assistance from the subject company (ies) referred to in this document including, but not limited to, discussions with management of the subject company (ies). All opinions, projections and estimates constitute the judgment of the author as of the date of this document and these, including any other information contained in this document, are subject to change without notice. Prices and availability of financial instruments also are subject to change without notice. While we would endeavor to update the information herein on reasonable basis, we are under no obligation to update or keep the information current. Also, there may be regulatory, compliance, or other reasons that may prevent us from doing so.

Securities recommended in this document are subject to investment risks, including the possible loss of the principal amount invested. Any decision to purchase/sale securities mentioned in this document must take into account existing public information on such security or any registered prospectus. The appropriateness of a particular investment, decision or strategy will depend on an investor's individual circumstances and objectives. The securities, instruments, or strategies discussed in this document may not be suitable for all investors, and certain investors may not be eligible to purchase or participate in some or all of them. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved).

This document 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 the company to any registration or licensing requirement within such jurisdiction. Further, this document is not directed or intended for distribution to the US taxpayers covered under US Foreign Account Tax Compliance Act (FATCA) provisions. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction

This is just a suggestion and the company will not be responsible for any profit or loss arising out of the decision taken by the reader of this document. Any comments or statements made herein are those of the analyst and do not necessarily reflect those of the company. No matter contained in this document may be reproduced or copied without the consent of the company. Any unauthorized use, duplication, redistribution or disclosure is prohibited by law and will result in prosecution. The information contained in this document is intended solely for the recipient and may not be further distributed by the recipient. The Company accepts no liability whatsoever for the actions of third parties.

The research analyst(s) of this document certifies that all of the views expressed in this document accurately reflect their personal views about those issuer(s) or securities. Analyst's holding in the stocks mentioned in the Report:-NIL