

Forward Looking and Cautionary Statement



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Key Highlights

Sustainability

Growth Strategy

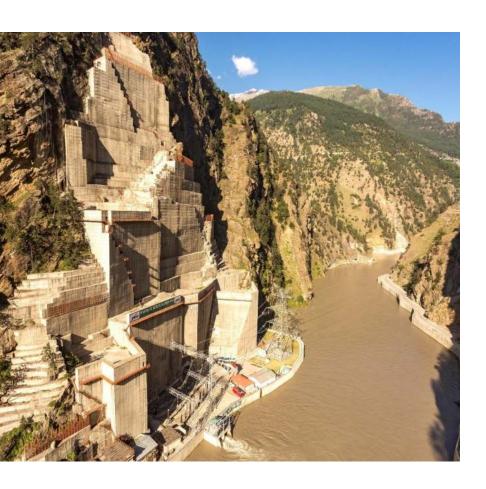
Operational & Financial Performance

Business Environment

Appendix







Key Highlights Sustainability **Growth Strategy Operational & Financial Performance Business Environment Appendix**

Key Highlights for Q4 and FY21



Operational	 Long Term (LT) Net Generation: Higher by 3% in both Q4 and FY21 LT Net Thermal Generation: Higher by 5% in Q4 and 8% in FY21 LT PPA at Ratnagiri plant increased by 179 MW in May'21, further de-risking the portfolio; Ratnagiri LT PPA tie-up now at 96% 86% of overall portfolio under LT PPA as on date vs 81% at FY20-end Central Electricity Authority approved uprating of Karcham Wangtoo capacity by 91 MW to 1091 MW, in a phased manner
Consolidated Financials	 EBITDA: ₹677 Crore in Q4; ₹3,144 Crore in FY21 Profit Before Tax: ₹126 Crore in Q4; ₹1,081 Crore in FY21 Profit After Tax at ₹107 Crore in Q4; ₹795 Crore in FY21 Receivables declined 23% QoQ and 38% YoY - Lowest outstanding in last 3 years Net Debt reduced by ₹513 Crore in Q4 and by ₹2,739 Crore in FY21 Net Debt to Equity at 0.43x Net Debt to EBITDA (TTM) at 1.97x Strong Liquidity: Cash & Cash Equivalents* at ₹2,137 Crore JSW Hydro Energy Ltd issued USD 707 million, 10 year green bonds for refinancing term loans The Board has recommended a dividend of ₹2/ equity share subject to approval of the Shareholders

Key Highlights for Q4 and FY21



Update on Growth Strategy	 Pursuing renewable-led growth strategy to expand from 4.6 GW to 10 GW by FY25 and to 20 GW by FY30 2.5 GW under-construction in full-swing: SECI IX - 810 MW: PPA signed for 540 MW with SECI; Balance 270 MW PPA to be signed in Q2 FY22 SECI X - 450 MW Wind Project: PPA to be signed in Q2 FY22 Solar/Wind Group Captive with JSW Steel: 958 MW approved by the board; PPA to be signed in Q2 FY22 240 MW Kutehr HEP: PPA under finalization with Haryana discom
ESG	 Amongst the first companies globally to endorse Global Framework Principles for Decarbonizing Heavy Industry Specific GHG emissions declined 11% YoY in FY21 100% Utilisation of Fly Ash and Zero Liquid Discharge maintained in FY21
Awards and Recognitions	 JSW Energy (Barmer) Limited: Achieved Five-star grading in the British Safety Council's Occupational Health and Safety Audit Awarded 'National Efficiency Awards 2021' for Best Energy Efficient Plant- Lignite by Mission Energy Foundation Ratnagiri plant was awarded 'The Best Operating Thermal Power Generator' by Independent Power Producers Association of India (IPPAI)







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Appendix

Covid-19 Relief Efforts





2,200+ workforce vaccinated via drives conducted across locations



24x7 Covid support helpdesk for employees and their families



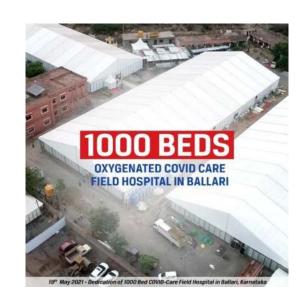
450+ beds provided in isolation centres created across locations



700 households and migrant workers supported by food distribution drives at Barmer

Protecting our employees and communities:

- 4000 masks, 500 litres of Sodium hydrochloride provided to District Authorities
- 3000 Sanitizer bottles, 1000 masks & 200 testing kits provided to Police Station at Ratnagiri
- Donated **10 ventilators** with accessories to Covid Centre at Jindal Sanjeevani Hospital, Vijayanagar
- Donated 40 Oxygen Concentrators and PPE kits to District Administration, Barmer
- Monetary support to Rajasthan CMRF for Covid control measures
- Hospital beds and COVID Ambulance for village communities at Ratnagiri
- Disinfection Treatment Drives at regular intervals in adjoining villages
 Conducting ANTIGEN tests, CBC & CRP test in the communities at Barmer



Sustainability: Framework and Priorities



17 Focus Areas with 2030 Targets from 2020 as Base Year



Committed to being carbon neutral by 2050 Reduce our carbon emissions by more than 50%

Renewable Power: Enhance the renewable power to 2/3rd of our Total Installed Capacity



Biodiversity: No Net Loss for Biodiversity



Waste Water: Zero Liquid Discharge



Water Resources: Reduce our water consumption per unit of energy produced by



Waste: 100% Ash (Waste) utilization



Resources



Employee Wellbeing



Social Sustainability



Local Considerations

Business

Ethics



Indigenous People

Heritage



Human Rights



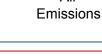
Cultural



Energy

Supply Chain Sustainability













Aligned to **National &** International **Frameworks**







Governance & Oversight by **Sustainability Committee**

2 Independent **Directors**

Mr. Sunil Goyal

Ms. Rupa Devi Singh

1 Executive Director

Mr. Prashant Jain

ESG Ratings





B (Management Level)



FTSE4Good Index constituent

Carbon Neutrality by 2050



Committed set science based targets to keep global warming to 1.5°C under SBTi

Integrated Reporting since FY19

Sustainability: Targets and Strategy



SD Targets	FY20 Actu	uals	FY30 Targets	Improvement	Strategic Approach
Climate	• GHG Emissions 0. tCO ₂ e/ MWh	.76	0.304	60%	 Increased share of renewable energy for deep decarbonization Process efficiency improvements Replacement of condenser tubes with graphene coatings
Water Security	• Specific fresh water 1. intake (m³/MWh)	10	0.591	46%	 Maintaing zero liquid discharge across operations Optimising utilisation of rain water harvesting system Installation of technology for operating cooling towers with higher Cycles of Concentration with modified chemical regime Reuse of treated effluent of Sewage Treatment Plan for horticulture
Waste	 Specific Waste (Ash) Generation (t/MWh)* Waste Recycled - 10th Ash (%) 	070 0	0.032 100	54%	 Integrated Strategy towards efficient waste management Optimizing utilisation of low ash coal
Air Emissions	• PM • SOx • NOx	.16 .78 .01	0.053 0.683 0.373	67% 61% 63%	 Ensuring ESP (Electrostatic Precipitator) Fields availability Optimising Lime dozing system efficiency Process efficiency improvements
Biodiversity	Biodiversity at our operating sites		Achieve 'no net lo of biodive		 Continue to enhance Biodiversity at all our locations and operations to acheive 'no net loss' Increase green cover across operations

Sustainability: FY21 Performance



Key Highlights



- Steam turbine modernization in 300MW units at Vijayanagar
- · Replacement of Condenser tubes with graphene coating at Vijayanagar
- Commissioned 1.06 MWp Solar Plant at Sherpa Camp at Hydro plant
- · Sustainability Committee formed for low carbon strategy



- Operate Cooling tower with higher Cycles Of Concentration with modified chemical regime
- Operate Existing Effluent recycle plant with 100% utilization
- Efficient Utilization of rainwater for plant & township use



Waste

- Effective utilisation of 100% of fly ash generated
- Fly ash supplied to Cement & Brick industries

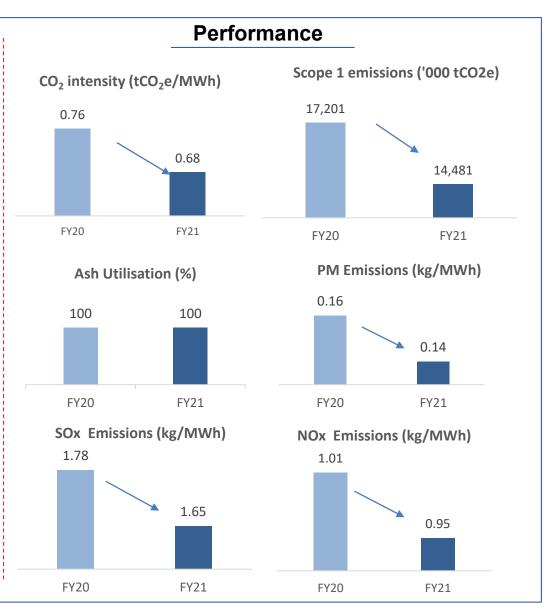


Air Emissions

- Calibration of Low NOx burners at Vijayanagar
- Use of low Sulphur coal at Ratnagiri
- Modification of ESP resulting in reduction of Dust at Barmer



- Plantation of local species by cultivating in own nursery at Ratnagiri
- Two local NGOs engaged for restoration and protection of habitats at Barmer
- Watershed area taken under development of Silvi-pasture plantation at Barmer



Empowering Our Communities



Social Development

- Creating community awareness of various Govt. welfare schemes through HAQDARSHAK programme: ~3600 beneficiaries
- Focus on women empowerment through handloom initiative (CHARKHA)

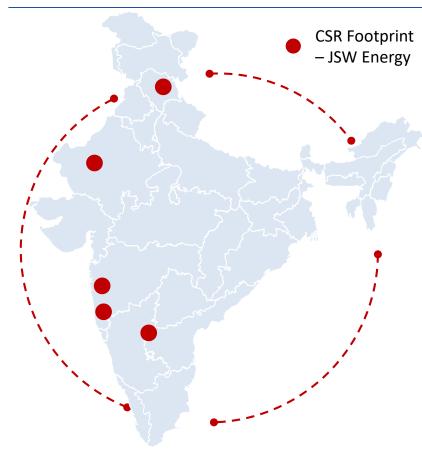
Water Management

- Addition of 1,69,000 m3 of rainwater harvesting by de-silting & restoring ponds – serves 18000+ livestock 7 wildlife – Barmer
- Drinking water supply to 440+ village households via piped water supply

Waste Management

- Ash Management: 45000 MT Ash Silo constructed to store Ash for domestic & International Export – Ratnagiri
- 100% ash utilisation

Empowering communities with sustainable livelihoods





Piped water supply to village community at Barmer

~3600 beneficiaries under the HAQDARSHAK scheme





Restoring 13 traditional Naadi's & providing 1,69,000 m3 of water

Investment in innovative solutions – 45000 MT ASH SILO





















Continuing our Health & Safety Excellence Journey



Figures are for FY21



Zero Severe/Major Injuries



58% reduction in Lost Time Injury Frequency Rate (LTIFR)



Safety Excellence continues with the achievement of following 'Serious **Accident Free Operations'**



92,000+ Safety Observations INFLUENCING POSITIVE SAFETY BEHAVIOR OF OUR WORKFORCE



100% employees completed Safety Training INCLUDES SAFETY E-LEARNING MODULES COVERING 5 HIGH RISK AREAS







BRITISH SAFETY COUNCIL 5 STAR RATING

JSW Energy Barmer achieved coveted five-star grading in the British Safety Council's Occupational Health and Safety Audit

Agenda





Key Highlights Sustainability **Growth Strategy Operational & Financial Performance Business Environment Appendix**

JSW Energy: Investment Highlights





Proven Execution Excellence

- Superior project execution skills: projects set-up in lowest cost & time
- Sound operating efficiency: one of the lowest O&M costs per MW amongst IPPs



De-risked Operating Portfolio

- 86% of portfolio has LT PPAs with two-part tariff structure and almost full fuel cost/forex pass through
- ~95% current EBITDA derived from LT sales, providing visibility on earnings
- Placed favorably in Merit Order Despatch; diversified off-takers



Robust Renewables Growth Pipeline

- Target to reach 10 GW by FY25 and 20GW by FY30, driven by renewables
- Committed to delivering sustainable growth that generates strong returns for stakeholders
- No new thermal capacity to be added going forward



Strong Balance Sheet

- Balance Sheet amongst the strongest in the sector: 1.97x Net Debt/EBITDA,0.43x Net Debt/Equity
- Healthy Credit Rating: 'AA-'Stable' India Ratings & Research
- Strong B/S and Internal Accruals (GCA ~₹2,000 Crore), sufficient for growth, without any equity dilution



Solid ESG Focus

- Pivoting from ~30% renewable to ~70% renewable energy by FY25; To be Carbon Neutral by 2050
- Committed to set science based emission reduction targets (SBTi) to keep global warming to 1.5°C



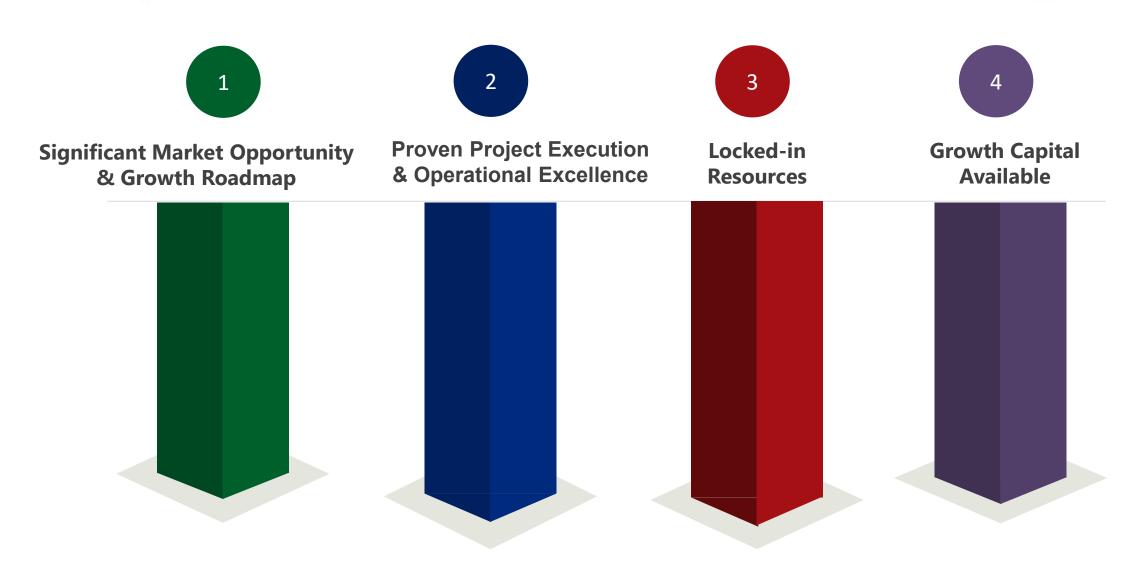
Attractive Power Market

- Power demand expected to grow at CAGR of 5% to 2030
- India has renewables target of 450 GW by 2030 from 94GW currently
- Govt. committed to power sector reforms

JSW Energy Q4 FY21 Results Presentation GCA: Gross Cash Accruals

Growth Strategy Pillars

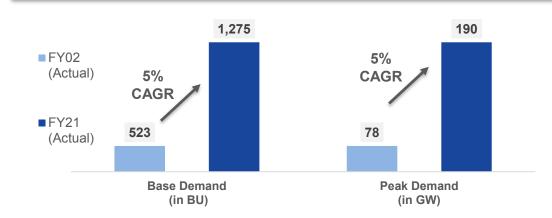




Significant Market Opportunity: Power Demand Growth

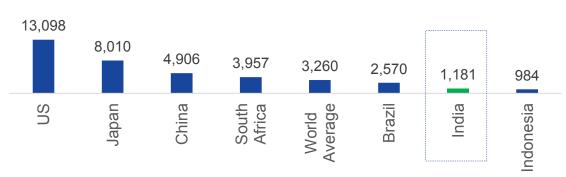


Historically, Power demand has grown at a CAGR of ~5%

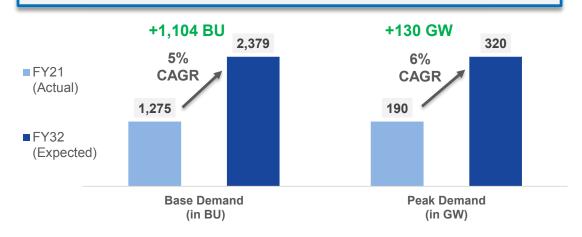


India is world's 3rd largest power producer, however has a low per capita consumption (~1/3rd of world average)

Per Capita Power Consumption (kWh)



Similar growth expected over next decade



Rapid urbanisation and universal electrification to drive power demand

- Sustained economic growth has driven power demand in India: Correlation between Power Demand to GDP growth ~0.7x¹ between FY03-20
- Going forward, unlocking of demand from increased rural electrification and rapid urbanisation to drive demand for power

Significant Market Opportunity: Demand to be met by RE

As a signatory to the Paris Accord, India plans to achieve a low-carbon future

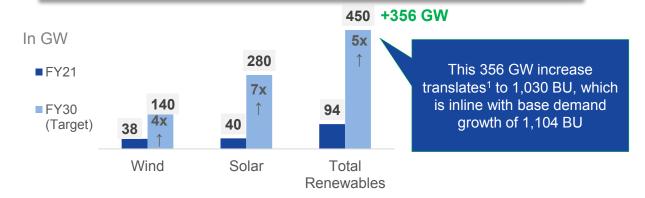
Goals of India's Intended Nationally Determined Contribution:



COP21-CMP11

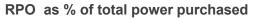
- To reduce the emissions intensity of GDP by 33-35% from 2005 levels by 2030
- To achieve about 40% cumulative electric power installed capacity from non-fossil fuel based energy resources by 2030, conditional upon financial assistance
- India has set a 450 GW Renewable capacity target by 2030

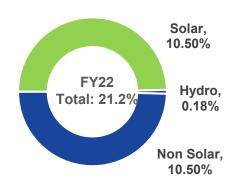
Demand to be met incrementally with Renewable Energy



RPO to provide filip to RE demand

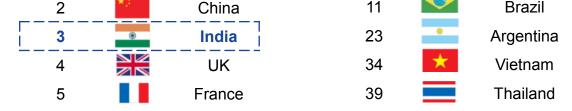
Discoms as Commercial & Industrial consumers have adhere to renewable purchase obligation (RPO) procuring power





India: Attractive market for Renewable Energy Investments

EY's 'Renewable Energy Country Attractiveness Index' Rank Country Country Rank US Japan



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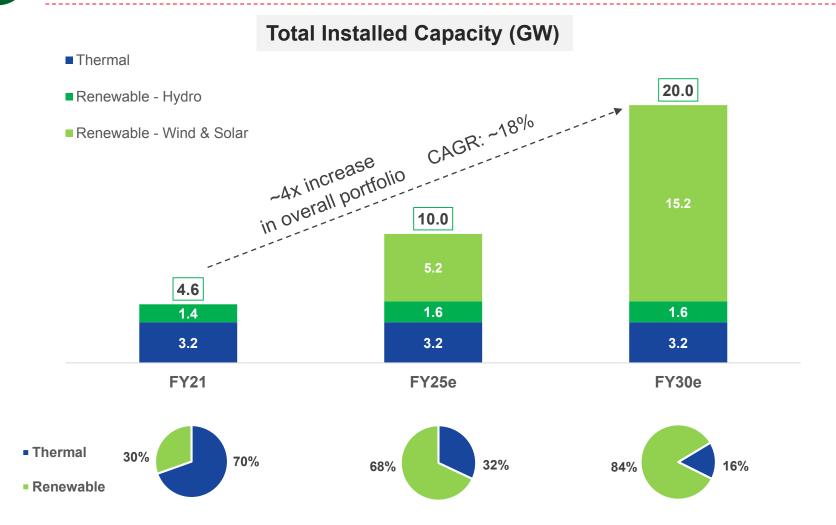
Source: Source: Press Information Bureau, India, EY, CEA, MNRE 1- Calculated at est. 33% CUF

JSW Energy Q4 FY21 Results Presentation

Brazil

JSW Energy: Growth Roadmap to 20 GW



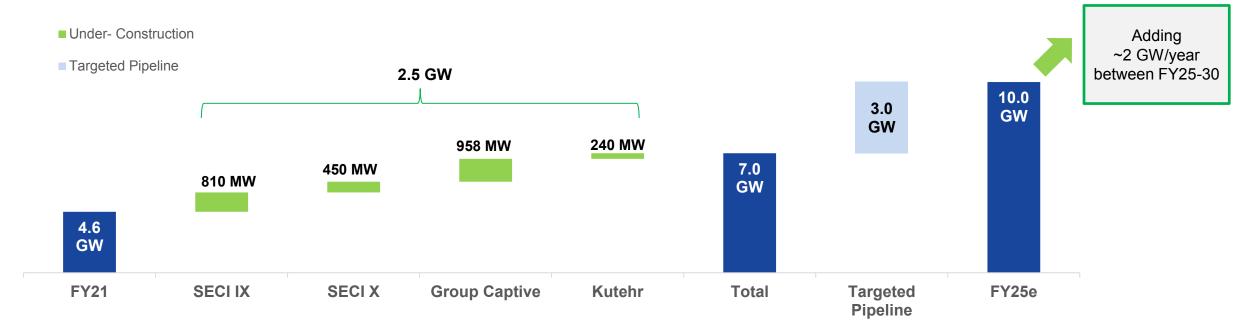


Committed to delivering sustainable growth and strong shareholder returns

Growth to be led only by Renewable Energy

JSW Energy: 10 GW Portfolio by FY2025



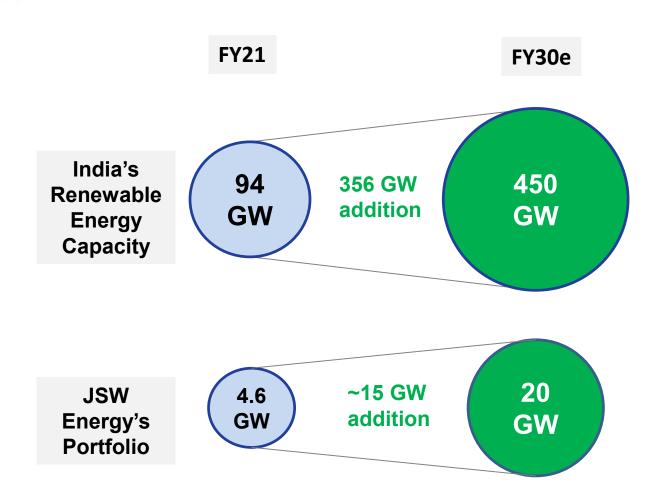


2.5 GW Under-Construction				
Blended Tariff	₹3.31/unit			
Total Capex ¹	~₹15,800 Crore			
Commissioning Schedule				
Commissionir	ng Schedule			
Commissionir FY22	ng Schedule 200+ MW			

- SECI IX 810 MW: Highest ever single bid secured under any Indian renewable auction
 - 540 MW Single largest wind PPA with SECI
 - Balance 270 MW PPA to be signed in Q2FY22, necessary approvals in advanced stage
- SECI X: 450 MW Wind bid secured; PPA to be signed in Q2FY22, necessary approvals in advanced stage
- Solar/Wind Group Captive with JSW Steel: 958 MW approved by the board; PPA to be signed in Q2FY22
- Kutehr HEP 240 MW: PPA with Haryana discom under finalization
- Targeting 3 GW though upcoming TBCB auctions

JSW Energy: Growth Framework







- JSW Energy plans to add 15 GW renewable capacity, which is ~4% of overall renewable additions
- Applying stringent risk return criteria to target a niche segment of market that can offer healthy returns
- No compromise on shareholder returns to meet growth
 - Target mid-teen post-tax equity IRRs





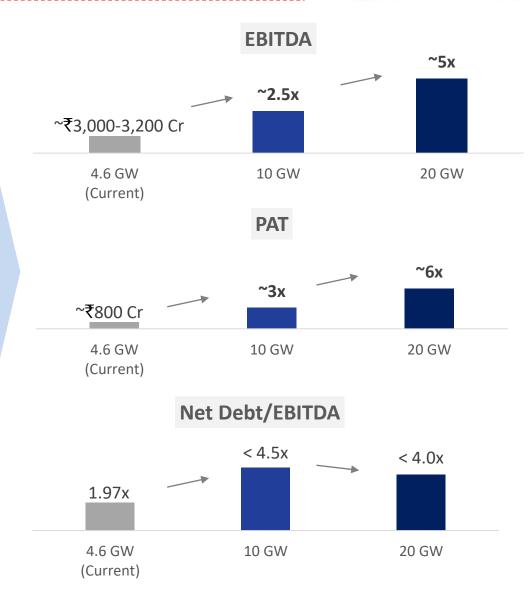
Existing Portfolio (4.6 GW) generating healthy CF & returns¹ of >15%

- Steady operations and robust financials
 - Generating Gross Cash Accruals (GCA) of > ₹2,000 Crore p.a.
- 86% of portfolio tied-up under Long Term PPA:
 - Remaining Avg. Life of PPA: ~20 years
 - Remaining Avg. Life of Assets: ~30 years
- Thermal Business: Ample free cash generation for funding growth and option to refinance/term-out the debt
- Healthy Receivable Management, low working capital tied-up



Growth Portfolio (15 GW)

- Additional Renewable Capacity Additions to have similar return profile of ~15%
- Existing 4.6 GW portfolio and new additions to generate strong cash flows to fund 2 GW p.a. growth upto FY30 and >3 GW p.a. growth post FY30



Proven Project Execution and Operational Excellence



Prudent and consistent capital allocation strategy for growth over a 25 year history

Business model resilient despite several sectoral headwinds over the last decade

Sound operating efficiency characterized by one of the lowest O&M Cost/MW

O&M Expenses (₹Lakh/MW)



JSW Energy has one of the lowest project execution cost in the industry

Project Location	Capacity	Project cost		1st COD
	MW	₹Crore/MW	\$mn/MW ²	Year
Coal-based				
Nigrie	1,320	7.92	1.08	2014
Janjgir-Champa	1,200	7.02	0.96	2014
Warora	600	6.25	0.86	2013
Padampur	540	6.18	0.85	2013
Chandrapur	600	6.22	0.85	2014
Amarkantak	600	5.23	0.72	2009
Maithon	1,050	5.24	0.72	2011
Udupi	1,200	4.67	0.64	2010
JSW : Ratnagiri ³	1,200	4.60	0.63	2010
JSW: Vijayanagar	260	4.34	0.59	2000
JSW: Vijayanagar	600	3.28	0.45	2009
Lignte Based ¹				
Giral	250	7.69	1.05	2011
Barsingsar	250	7.00	0.96	2010
JSW: Barmer	1,080	6.63	0.91	2009

⁽¹⁾ High capital cost due to CFBC boilers for lignite based power plant

⁽²⁾ USD/ INR = 73 (3) Includes FGD Cost Source: Respective Company filings

Project Execution: Life-cycle Approach towards Renewable (1/2)



Project Selection Philosophy

Project Construction and Land Acquisition

Power Evacuation

- Stringent risk return metrics
- Bidding with conservative CUF assumptions of P-90
- High quality offtakers
- Captive PPAs with JSW Group companies (strong credit ratings) at arm's length pricing

- De-scoping of EPC packages to have competitive edge
- Synergies with group businesses (steel, cement, paints, etc.) for better material availability
- Systematic approach of deploying in-house experienced land acquisition team in all resource-rich states
- Deployed experienced legal teams for title search and execution of lease deeds; dedicated team for securing Right-of-Way (RoW)

- Strategic selection of ISTS substations for connectivity with high capacity margins to facilitate future expansions
- Identification of land parcel near to substation in order to reduce transmission line cost
- Effective due diligence & route surveys for risk mitigation
- Futuristic planning & designing to optimize use of evacuation infrastructure

Project Execution: Life-cycle Approach towards Renewable (2/2)



Supplier & Vendors

Quality Control

O&M

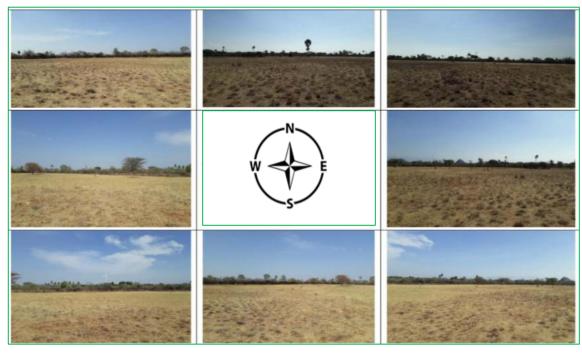
- Robust selection process through competitive route; Award of packages to best-inclass / Tier-I vendors only
- Comprehensive Contracts with strong performance & product warranty and performance bank guarantee provisions
- Developing strong relationships with all major OEMs, EPC contractors, BoP contractors

- Dedicated team for quality assurance
- Standard operating procedure for quality checks
- Special checks on quality & type test certifications
- Implementation of TQM, ISO and other relevant standards

- Skilled in-house O&M team
- Continuous implementation of innovative practices to further optimize O&M cost through TQM
- Operating Stations supported by experienced professionals at corporate office in areas such as Policy, Regulatory, Design & Engineering, Finance, Construction & Maintenance and HR



- ✓ Systematic approach of deploying in-house experienced land acquisition team in all resource-rich states
- Deployed experienced legal teams for title search and execution of lease deeds; dedicated team for securing RoW
- ✓ Acquired/ Locked-in sites in resource rich states, along with requisite transmission connectivity



Site Photo for upcoming project

Acquired resources for 2.5 GW, which is underconstruction

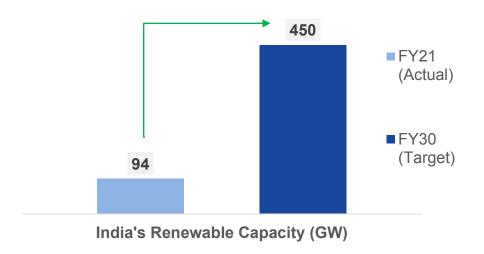
Another 3 GW is locked-in

Around 15 GW in process

Available Growth Capital



Significant investments required in renewable energy industry



Average yearly addition of ~36 GW require an investment of ~₹2 lakh Crore¹ p.a.

JSW Energy has sufficient balance sheet headroom & strong cashflow to pursue growth to 20 GW by FY30

- Sources for Growth Capital Available:
 - Balance Sheet Strength (current gearing ~0.43x)
 - Internal Accruals: Steady EBITDA & cashflow from operating projects (GCA: >₹2,000 Crore annually)
 - · Healthy Cash Balance
 - No equity dilution envisaged for this growth
- Non-strategic Equity Investments (JSW Steel: ~₹4,760 Crore²) gives further headroom to accelerate growth, if required
 - JPVL shares: Monetised over 90% of holdings for ~₹156 Crore in Q1'FY22
- Access to diversified pools of liquidity

Agenda





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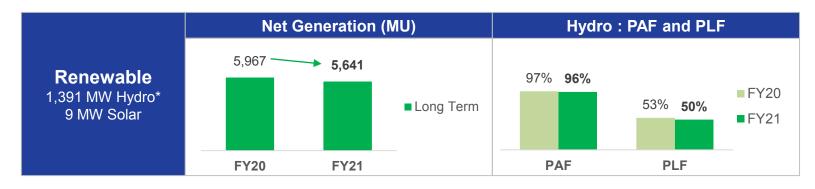
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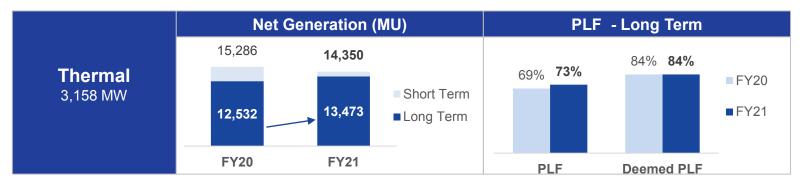
Business Environment

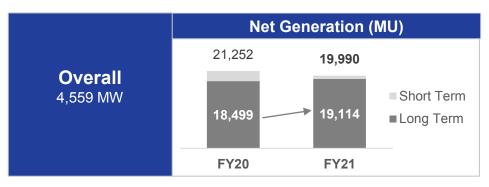
Appendix

Operational Performance – FY21









Renewable Net Generation lower by 5% YoY

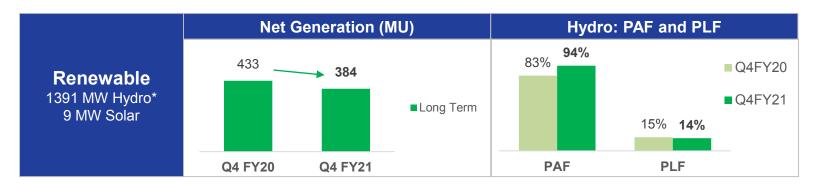
- Lower water flow at hydro plants, however PAF at 96%; Maintained PAF at over 90% normative level
- Hydro generation above Design Energy in FY21

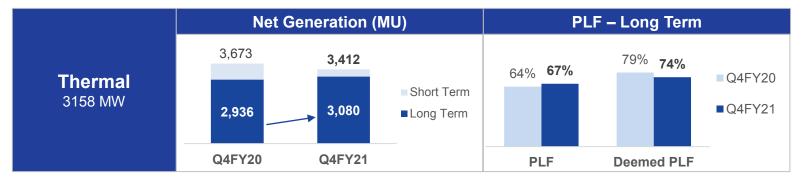
Thermal Generation under Long Term PPA up 8% YoY

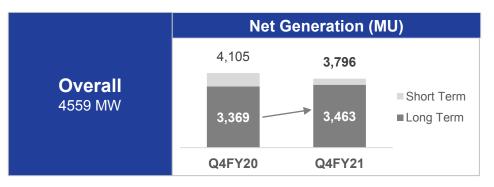
- Driven by higher offtake from long term customers in Barmer (+21%) and Ratnagiri (+4%)
- Overall Generation under Long Term PPA up 3% YoY

Operational Performance – Q4FY21





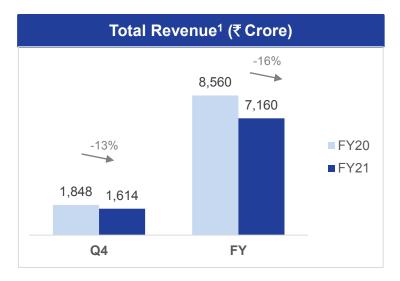


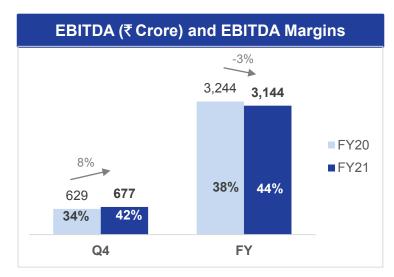


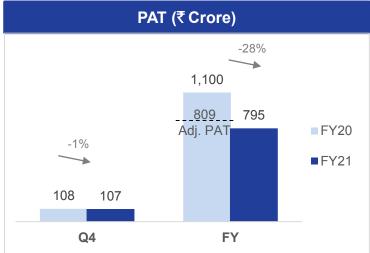
- Renewable Net Generation lower by 11% YoY
 - This was due to lower water flow at hydro plants
- Thermal Generation for capacity under Long Term PPA up 5% YoY
 - Driven by higher offtake from long term customers in Barmer (+13%)
- Overall Generation for capacity under Long Term PPA up 3% YoY

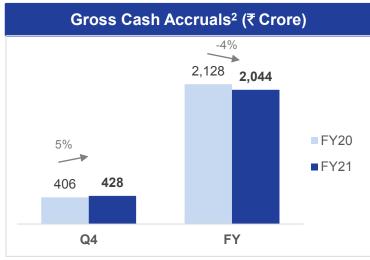
Consolidated Financial Results – Q4 and FY21









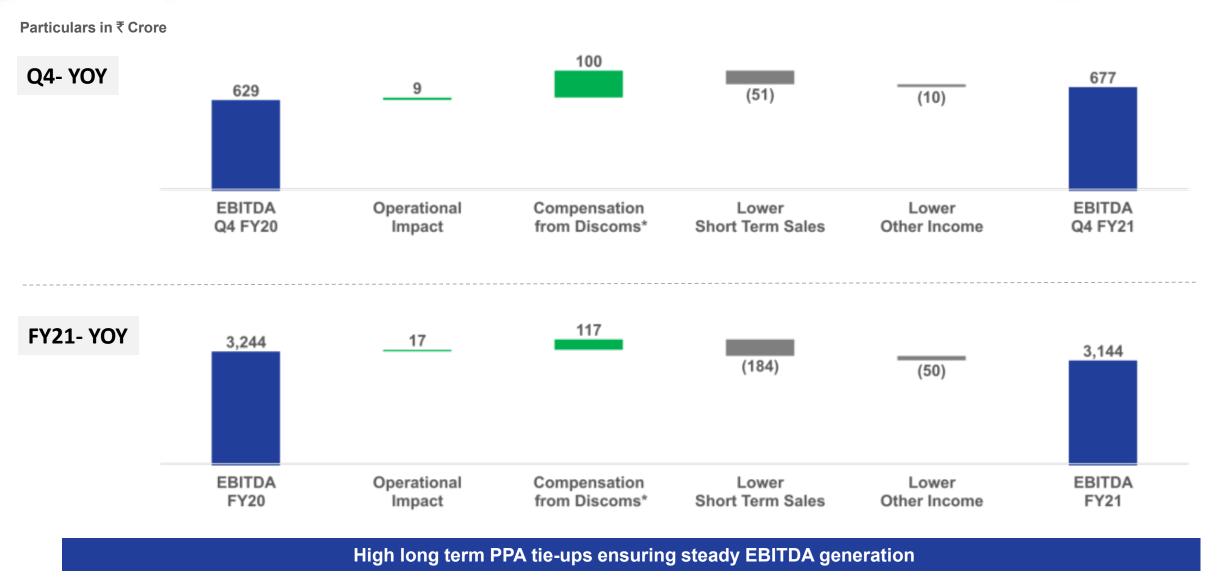


- Decline in Revenue mainly due to shift to Job-work model with certain customers during FY21
- Maintained strong EBITDA, PAT and GCA generation
 - Steady EBITDA generation in FY21
 - FY21 PAT lower due to one-off adjustments in FY20

¹⁻ Including Job work impact in Q4 & FY21 , hence not strictly comparable YoY

EBITDA Bridge – Q4 and FY21





^{*} Compensation received from customer towards shortfall in offtake of contracted quantity of power in earlier year

Robust Balance Sheet



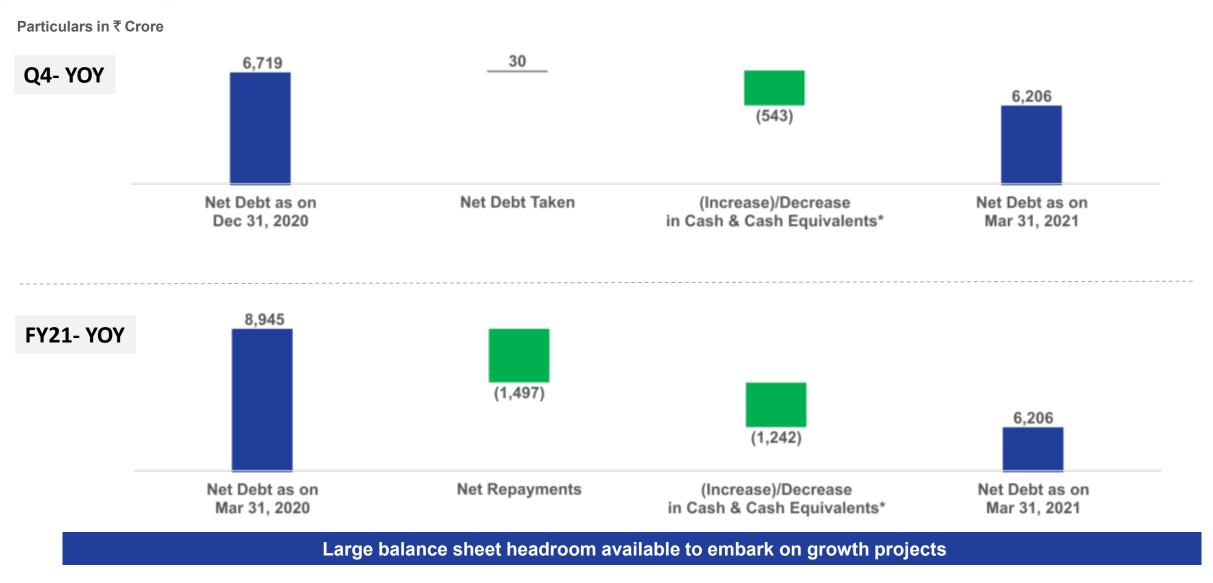
- Amongst the strongest balance sheets in the sector Well positioned to pursue growth opportunities
- Strong Liquidity with healthy cash balances¹: ₹2,137 Crore
- Financial flexibility enhanced by equity investments:
 - JSW Steel shares: 7 crore shares held (Value as on June 24, 2021: ₹~4,760 Crore)
 - JPVL shares: Monetised over 90% of holdings for ~₹156 Crore in Q1'FY22
- Healthy Credit Ratings:
 - India Rating & Research: AA- (Stable outlook)
 - Brickwork Ratings: AA- (Positive outlook)
- Strong relationships with domestic and international banks, and financial institutions
 - Successfully raised USD 707 million green bond for JSW Hydro Energy Ltd in May'21; Rated (P) Ba1 by Moody's and BB+ (EXP) by Fitch

Figures in ₹ Crore	As on Mar 31, 2021
Networth	14,507
Net Debt	6,206
Net Debt/EBITDA	1.97x
Net Debt/Equity	0.43x
Wtd. Average Cost of Debt	8.21%

¹⁻ Includes unencumbered bank balances, FDs, liquid mutual funds and short-term advances (< 3 month maturity)

Net Debt Movement – Q4 and FY21



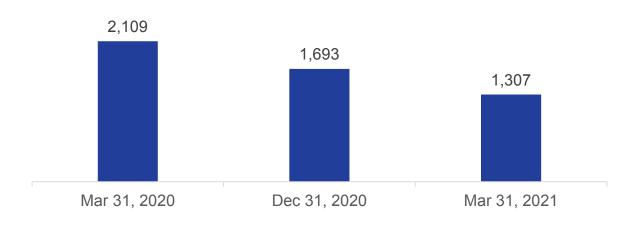


^{*} Includes unencumbered bank balances, FDs, liquid mutual funds and short-term advances (< 3 month maturity)

Trade Receivables



Consolidated Trade Receivables* (₹ Crore)

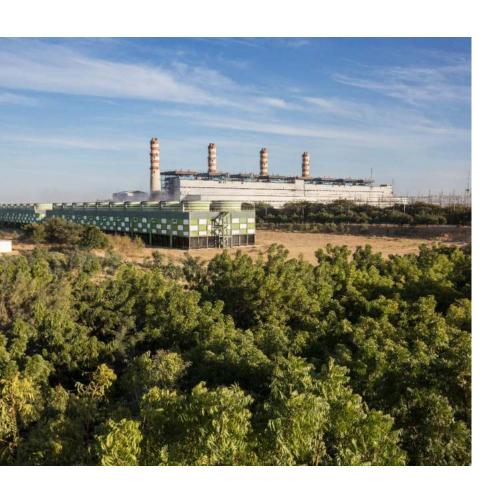


- Receivables decline 23% QoQ and 38% YoY in Q4FY21
- All plants placed favourably in States' Merit Order Dispatch
 - Further, Hydro plants under 'Must-run status' with no scheduling risk
- No history of any bad debts from routine long term trade receivables
- Payment security mechanism in force for power tied under long term PPA with Discoms
- Recovery of late payment surcharge in case of delayed payments from discoms

Receivables declined to lowest level in last 3 years







Key Highlights
Sustainability

Growth Strategy

Operational & Financial Performance

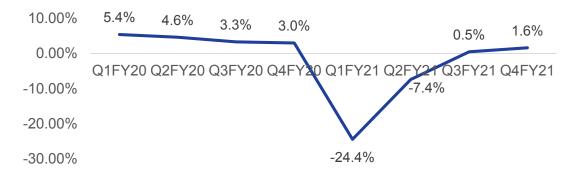
Business Environment

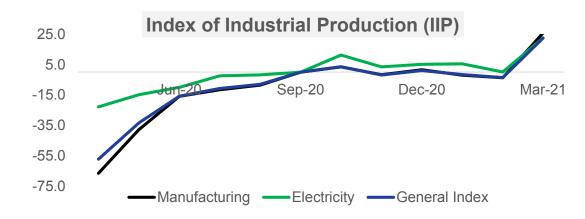
Appendix

Indian Economy



Real GDP Growth





• Economy on an improving trend; upward momentum likely to sustain

- Real GDP registered a 1.6% growth in Q4FY21, driven by recovery due to opening up of economic activities
- GST collections at all time high at ₹1.41 trillion in Apr'21
- High-frequency indicators (such as e-way bills, railway freight traffic, port cargo, steel consumption, cement production) saw moderation in Apr-May due to imposition of localised lockdowns/restriction to contain the second wave of covid-19 pandemic

RBI maintains stance at 'Accommodative'

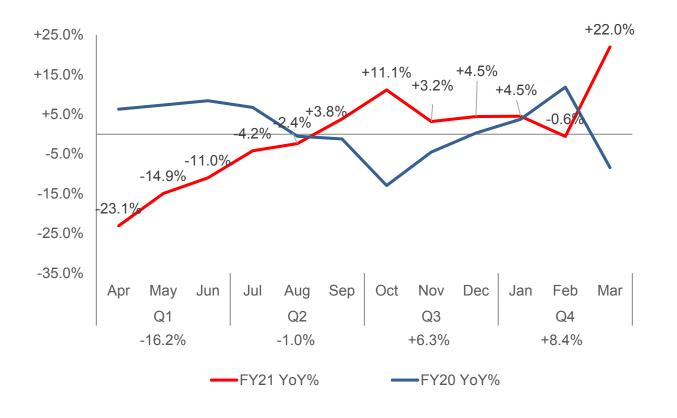
- CPI rose to 6.3% in May'21, driven by higher fuel & food inflation
- RBI maintained the policy repo rate at 4.0%
- RBI expects GDP to grow by 9.5% in FY22, with Q1 growth estimated at 18.5% supported by a low base
- Vaccination roll-out to help normalise economic activity; Inflationary pressures remain a risk

Pace of vaccination key to economic recovery

Power Demand



Power Demand Growth YoY



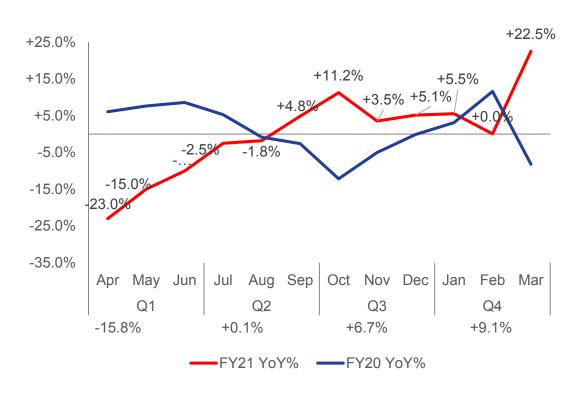
- Power demand in Mar'21 saw a robust growth of 22.8% YoY
 - This was driven by a strong pickup in economic activity coupled with a low base effect. In Mar'20 demand had declined by 8.4% YoY when Covid-19 led restrictions/lockdowns were first imposed in the country
- Demand growth stood at 8.4% YoY during Q4 and at -1.2% YoY during FY21
- For the month of Apr-May'21, power demand is up by 21.4% led by low base effect and uptick in economic activity

Power demand rose sharply in Mar'21 across regions

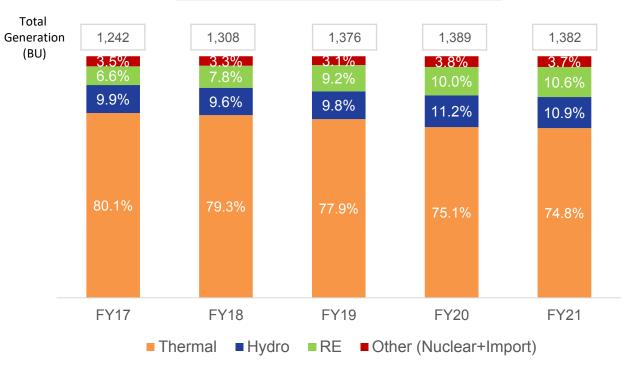
Power Generation



Power Generation Growth YoY



Segment-wise Share in Generation



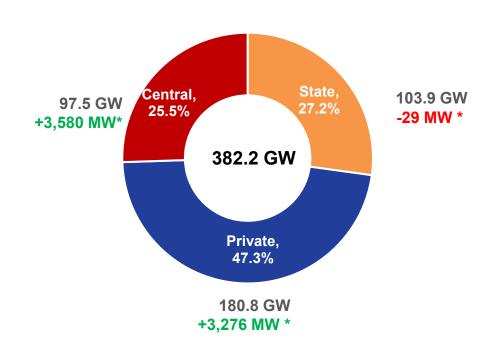
Generation increased 9.1% YoY in Q4 led by Thermal and RE segments

Share of Renewable energy in overall generation increases YoY

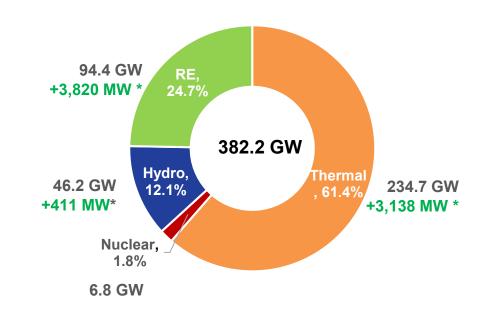




Sector-wise Installed Capacity



Segment-wise Installed Capacity



As on March 31, 2021

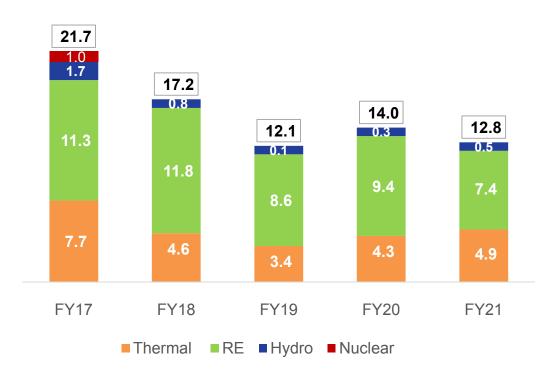
In Q4FY21, Installed Capacity increased by ~6.8 GW, driven by Renewable Energy and Thermal segments

Installed Capacity

(2/2)

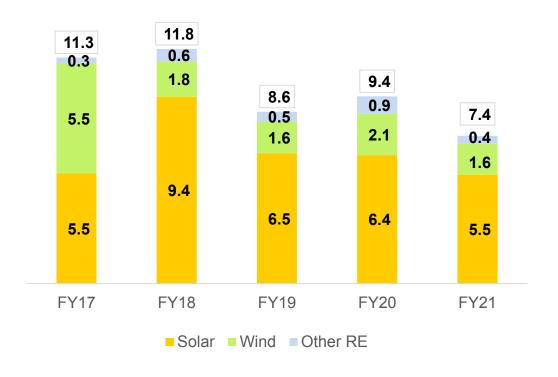


Overall Segment-wise Net Capacity Addition (GW)



Renewable energy driving capacity addition

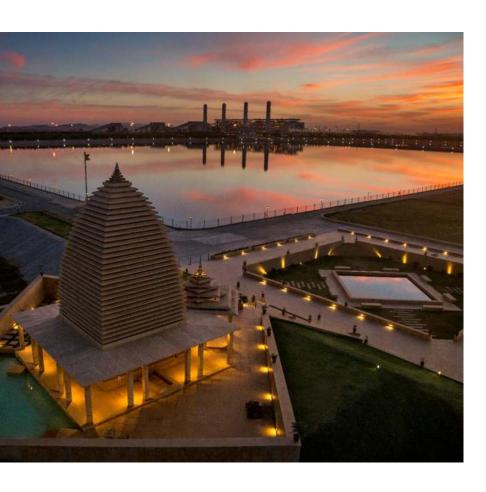
RE Segment-wise Net Capacity Addition (GW)



~7.4 GW RE capacity added in FY21 driven by solar segment







Key Highlights

Sustainability

Growth Strategy

Operational & Financial Performance

Business Environment

Appendix

JSW Energy Q4 FY21 Results Presentation 42

Operational Performance – Net Generation



Net Generation								
Location		Capacity	Q4FY21	Q4FY20	Change YoY	FY21	FY20	Change YoY
		%	MUs	MUs	%	MUs	MUs	%
Ratnagiri (1,200 MW)	LT	81%	1,085	1,125	-4%	5,255	5,070	+4%
	Total	100%	1,172	1,705	-31%	5,677	7,193	-21%
Barmer (1,080 MW)	LT	100%	1,526	1,346	+13%	6,369	5,277	+21%
\/::(OCO BA\A/)	LT	35%	436	437	NM	1,747	2,127	-18%
Vijayanagar (860 MW)	Total	100%	680	593	+15%	2,202	2,758	-20%
Nandyal (18 MW)	LT	100%	33	29	+15%	102	58	74%
Total Thermal (3,158 MW)	LT	75%	3,080	2,936	+5%	13,473	12,532	+8%
	Total	100%	3,412	3,673	-7%	14,350	15,286	-6%
Hydro (1,300 MW)*	LT	100%	380	429	-11%	5,629	5,953	-5%
Solar (9 MW)	LT	100%	3	4	NM	12	13	NM
TOTAL	LT	82%	3,463	3,369	+3%	19,114	18,499	+3%
	Total	100%	3,796	4,105	-8%	19,990	21,252	-6%

Operational Performance – PLF



				PLF			
Location		Capacity	Q4FY21	Q4FY20	FY21	FY20	Remarks – Q4 FY21
		%	%	%	%	%	
Potrociri (4 200 MM)	LT	81%	59 (*66)	61 (*72)	71 (*85)	69 (*83)	Lower short term sales
Ratnagiri (1,200 MW)	Total	100%	50 (*55)	71 (*79)	59 (*69)	75 (*85)	Lower short term sales
Barmer (1,080 MW)	LT	100%	72 (*78)	63 (*83)	74 (*82)	62 (*82)	Higher long term sales
Viiovanagar (960 MW)	LT	35%	73 (*86)	74 (*84)	74 (*87)	90 (*92)	Higher short term cales
Vijayanagar (860 MW)	Total	100%	40 (*44)	34 (*38)	32 (*36)	40 (*40)	Higher short term sales
Nandyal (18 MW)	LT	100%	94 (*100)	81 (*99)	71 (*97)	93 (*91)	Higher long term sales
Total Thermal (3,158 MW)	LT	75%	67 (*74)	64 (*79)	73 (*84)	69 (*84)	Higher long term sales
	Total	100%	55 (*60)	58 (*69)	57 (*65)	61 (*72)	
Hydro (1,300 MW)	LT	100%	14	15	50	53	
Solar (9 MW)	LT	100%	18	20	15	17	

Consolidated Financial Results



Q4FY21	Q4FY20	Particulars in ₹ Crore	FY21	FY20
1,614	1,848	Total Revenue ¹	7,160	8,560
677	629	EBITDA	3,144	3,244
42%	34%	EBITDA Margin(%)	44%	38%
257	248	Interest	896	1,051
294	289	Depreciation	1,167	1,168
126	92	Profit Before Tax (before exceptional items)	1,081	1,025
-	-	Exceptional Items ²		61
126	92	Profit Before Tax (after exceptional items)	1,081	1,086
107	108	Profit After Tax	795	1,100
428	406	Gross Cash Accruals ³	2,044	2,128
0.65	0.66	Diluted EPS⁴ (₹)	4.84	6.70

¹⁻ Including Job work impact

²⁻ Exceptional gain related to JPVL loan restructuring in FY20

³⁻ Computed as PAT+ Depreciation+ Deferred Taxes+ Exceptional items; 4 - Not Annualized

Entity-wise Financial Results



Entity-wise Revenue from Operations					
Particulars in ₹ Crore	Q4FY21	Q4FY20	FY21	FY20	
Standalone ¹	729	1,016	2,898	4,314	
JSW Energy (Barmer)	625	604	2,665	2,597	
JSW Hydro Energy	123	148	1,223	1,264	
JPTL	18	21	72	80	
Consolidated*	1,570	1,793	6,922	8,273	

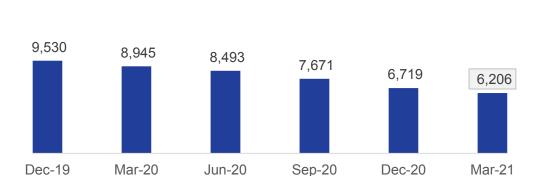
Entity-wise EBITDA					
Particulars in ₹ Crore	Q4FY21	Q4FY20	FY21	FY20	
Standalone	269	268	876	1,092	
JSW Energy (Barmer)	243	242	1,019	1,044	
JSW Hydro Energy	74	102	1,102	1,091	
JPTL	17	20	68	77	
Consolidated*	677	629	3,144	3,244	

^{*} After inter-company adjustments and eliminations

JSW Energy Q4 FY21 Results Presentation

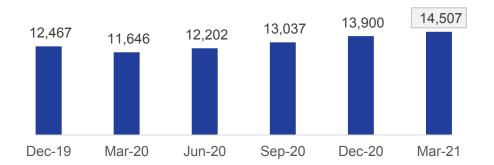
Balance Sheet



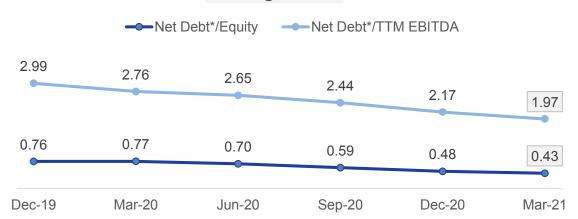


Net Debt (₹ Crore)

Net Worth (₹ Crore)



Leverage Ratios



Wt. Average Cost of Debt



Amongst the strongest balance sheets in the sector - Well positioned to pursue growth opportunities

USD 707 mm Green Notes Issuance by JSW Hydro Energy Energy

Key Highlights:

- JSW Hydro Energy Ltd is the largest hydroelectric energy company in India in the private sector in terms of annual power generation capacity, with a stable operational history (track record of average 11.5yrs on two assets)
- JSW Hydro Energy's (& JSW Energy's) first bond in the international capital markets, which is a direct issuance at asset level
- Second Party Opinion on Green Bond Framework obtained from Sustainalytics

IPG: 4.500% area

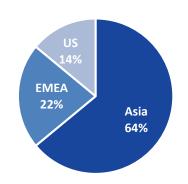
Final Yield: 4.125%

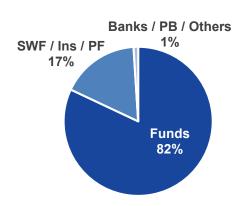
Final Order book: USD 2.6bn; 3x Oversubscription

Issuer	JSW Hydro Energy Limited
Issue Rating	Ba1/BB+ (Moody's/Fitch)
Status	Senior Secured Green Notes
Format	USD 144a/RegS
Issue Size	USD 707 million
Tenor	10NC5 (WAL ~7.12Y)
Re-offer / Coupon	4.125%
Maturity Date	18 May 2021
Hedging	FX risk hedged for life of the notes

Distribution by Geography

Distribution by Type





JSW Energy Q4 FY21 Results Presentation 48

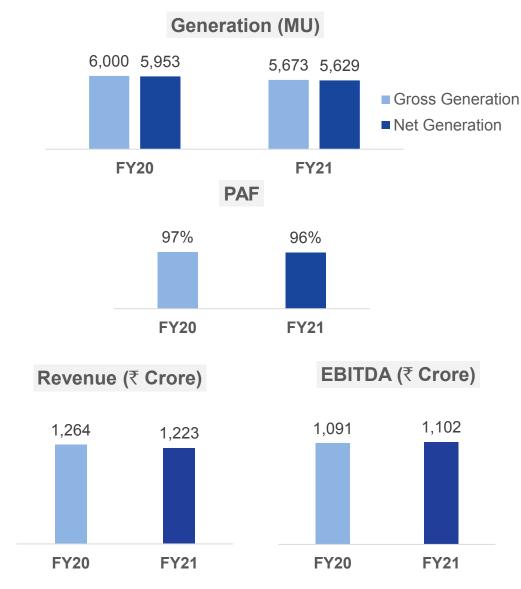
FY21 Performance – JSW Hydro Energy Ltd



USD 707 million Green Bond Issued by JSW Hydro Energy

Key Highlights:

- ✓ Gross Generation 106% of Design Energy
 - Additional income from secondary energy sales
- ✓ PAF maintained above normative level (90%) : eligible for availability based incentives
- Healthy Revenue and EBITDA generation
- ✓ Receivable days decline to 38 days at the end of Mar'21 from 89 days, a year ago
- ✓ Received CEA approval for uprating of Karcham Wangtoo Capacity by 91 MW to 1,091 MW, in a phased manner
 - 1,045 MW in the first phase for two monsoon seasons in CY 2021 and CY 2022, and to 1,091 MW thereafter
 - Uprating without any additional capex





BETTER EVERYDAY