

Accelerating for a Better Tomorrow

Corporate Presentation April 2023

III TARCHUMMI



JSW Group Overview



Amongst India's leading Conglomerates with a turnover of US\$22 Bn



- Power producer with 9.9 GW locked-in portfolio,
- Targeting 20GW by 2030 (81% renewable capacity)
- Market Cap: ~US\$ 5.0 Bn

Infrastructure

- Amongst Top 5 Indian port companies
- Operates environment-friendly seaports & terminals
- Targeting 200mtpa cargo handling capacity in next few years



- India's new age Paints company offering a path-breaking Any Colour at One Price
- State-of-the-art Facilities in Maharashtra and Karnataka
- Ranks Number 1 in Industrial Coil Coatings



- Supporting Indian sports ecosystem
- Teams Owned: Bengaluru FC, Delhi Capitals, Haryana Steelers





- India's leading integrated steel producer
- Installed crude steel capacity of 29.2mtpa, growing to 38.5mtpa
- Market Cap: ~US\$ 21.2 Bn



- India's leading Green cement company
- Current capacity of 17mtpa, with a medium term target of 25mtpa
- Product range includes PSC, GGBS, Concrete & Construction Chemicals



- Early-stage, tech-focused, VC fund
- Portfolio: Purple, LimeTray, Homelane, CureSkin and Zvlov



- Social development arm of JSW Group
- Footprint across 11 states and 15 districts
- Positively impacts more than a million lives across India

JSW Energy : Our Vision

Bringing positive transformation to every life we touch

JSW Energy : Transitioning towards green energy

FY2025

To become a 10 GW company

FY2030

To become a 20 GW company

To become carbon neutral by 2050

FY2050

Energy Products and Services

Energy Storage | Electrons to Molecules - Foraying into green hydrogen and its derivatives

Agenda



Safety & Sustainability

JSW Energy – At a Glance

Operating & Financial Highlights

Why JSW Energy?

JSW Neo Energy Ltd

Risk Mitigation

Annexures

Safety & Sustainability

23

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Continuing our Health & Safety Excellence Journey



Zero severe injuries/fatalities (Q3 FY23 & YTD)



92% of contractors covered by JSW CARES audit

9 Contractors achieve 5 Star rating & 3 contractors achieve 4 Star in a stringent Internal Safety Assessment



63,000+ Cumulative Safety Observations Resolved YTD

Influencing 'positive safety behavior' of our workforce by reporting smallest of the safety considerations thereby avoiding any major / minor incident



474 employees enrolled for 'Safety Champion Program' as per

British Safety Council (BSC) Certification 474 employees across all major locations enrolled for Safety Champion Program covering 10 safety high standard eLearning modules with final examination conducted in association with BSC

Enhancing Safety Understanding of Contractor Employees

- Barmer Mock drill on fire in lignite conveyor belt and primary crusher conducted. Health and safety training on PPE and 10 critical rules undertaken
- Vijayanagar On site 'emergency mock drill' conducted
- Ratnagiri 'Mass tool box talk' on electrical portable tools safety conducted
- Baspa Conducted a training session on "Fire Safety- Fire Prevention and Fire Fighting"



Awards & Recognitions

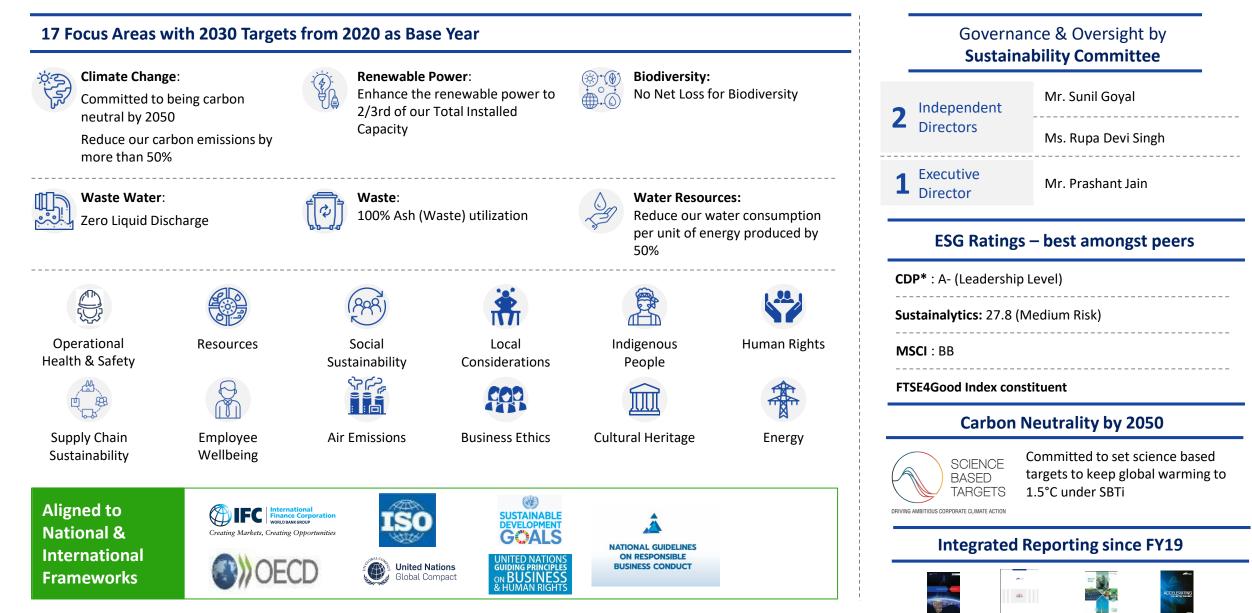


Council of Enviro Excellence



Sustainability: Framework and Policies





FY22

FY20

FY19

FY21

Sustainability: Targets and Strategy



SD Targets		FY20 Actuals	FY30 Targets	Improvement	Strategic Initiatives and Approach
Climate Change	 GHG Emissions tCO₂e/ MWh 	0.76	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 intake (m³/MWh) 	1.10	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 - Ash (%) 	0.070 100	0.032 100	-	 Integrated Strategy towards efficient waste management Optimizing utilisation of low ash coal
Air Emissions	Specific process emissions(Kg/MWh) • PM • SOx • NOx	0.16 1.78 1.01	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 loss' of biodiversity	/	 Continue to enhance Biodiversity at all our locations and operations to acheive 'no net loss' Increase green cover across operations Eco-system studies (all seasons) in progress for finalising a Bio-diversity management plan at Barmer location.

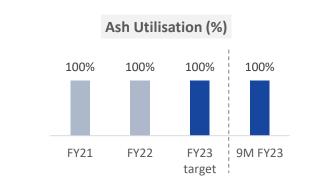
Sustainability: Q3 FY23 Performance



Key Highlights

Climate Change	 TCFD assessment initiated by reputed ESG consultant Value Chain survey of suppliers initiated for assessment of supply chain sustainability. Increased share of renewable energy for deep decarbonization Wind Projects –SECI X – Progressive Commissioning Started 	
Water Security	 Maintain zero liquid discharge across operations Reuse of treated effluent of Sewage Treatment Plant for horticulture Plan to review & improve water monitoring methodology by 3rd party to measure inconsistencies 	
Waste	 Ash silo (45000 MT) completed in Ratnagiri. Testing & Commissioning in progress. Continue 100% Ash utilization initiatives at all plants through tie-ups with cement factories & similar businesses 	0
Air Emissions	 Ensuring ESP (Electrostatic Precipitator) Fields availability Process efficiency improvements Lime Dozing system availability and parameters optimization at Barmer for reduced air emissions 	F
Biodiversity	 Eco-System Study at Barmer - Summer and monsoon season report submitted by CII team. Winter assessment in progress. Biodiversity Assessment and Management Plan - Initiated the process at all the plants 	F

Performance





SOx Emissions (kg/MWh)



PM Emissions (kg/MWh)

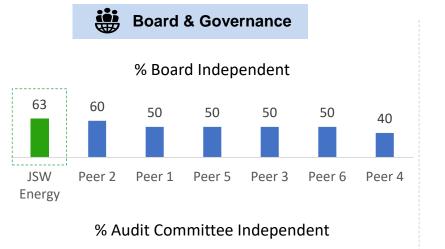


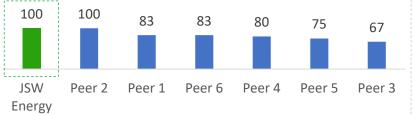
NOx Emissions (kg/MWh)

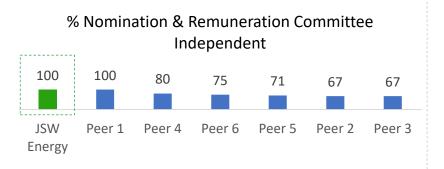


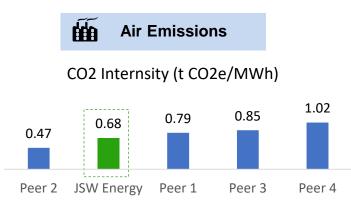
Advantage JSW: Superior ESG Profile



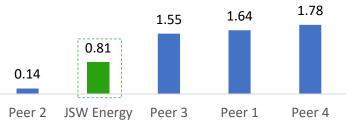




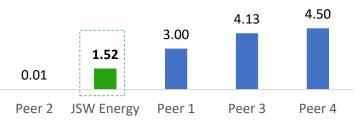


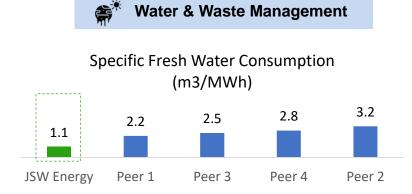


Specific NOx Emissions(Kg/MWh)

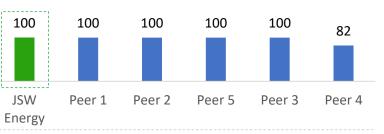


Specific SOx Emissions(Kg/MWh)





Ash Utilisation (%)



ESG Ratings MSCI 🌐 TCDP **JSW Energy** Α-JSW Energy BB С Peer 6 А B BBB Peer 1 В CCC Peer 3 CCC D Peer 4 F

F

Peer 6

Peer 1

Peer 3

Peer 4

Peer 2

Peer 5

Sustainability: Initiatives and Disclosures





- ✓ Assessment initiated by reputed ESG Consultants.
- ✓ Increased focus on achieving climate change target of 2030 and subsequently of becoming Carbon Neutral by 2050.

Task Force on Climate related Financial Disclosures Biodiversity



Sustainability Assessment for Supply Chain and Biodoversity Assessment for all plants Initiated







Plantation drives spanning across Vijayanagar, Barmer & Hydro Power Plants

Comprehensive ESG Data profile with ~300 factors across 15 sustainability frameworks





JSW Hydro Energy



Sustainability: Empowering Our Communities





Sports Promotion & Development

- Project Shikhar: Bringing powerful transformation in the field of sports with Project Shikhar
- Shikharite won the silver medal in the 6th Elite Women's National Boxing Championship, held at Bhopal from 20th to 26th December, 2022



Health & Nutrition

- Total 3,725 individuals across Dharapuram (TN) and Ratnagiri (MH) screened at camps for eye problems, 634 received eye glasses.
- 2,089 patients benefitted through ambulatory services in Barmer (RJ), Kutehr (HP), Ratngiri (MH)



Education

- 15,760 children from Zila Parishad and other schools benefited through various education initiatives in Ratnagiri
- 16 Schools from Zila Parishad and other schools benefited through infrastructure interventions in Ratnagiri



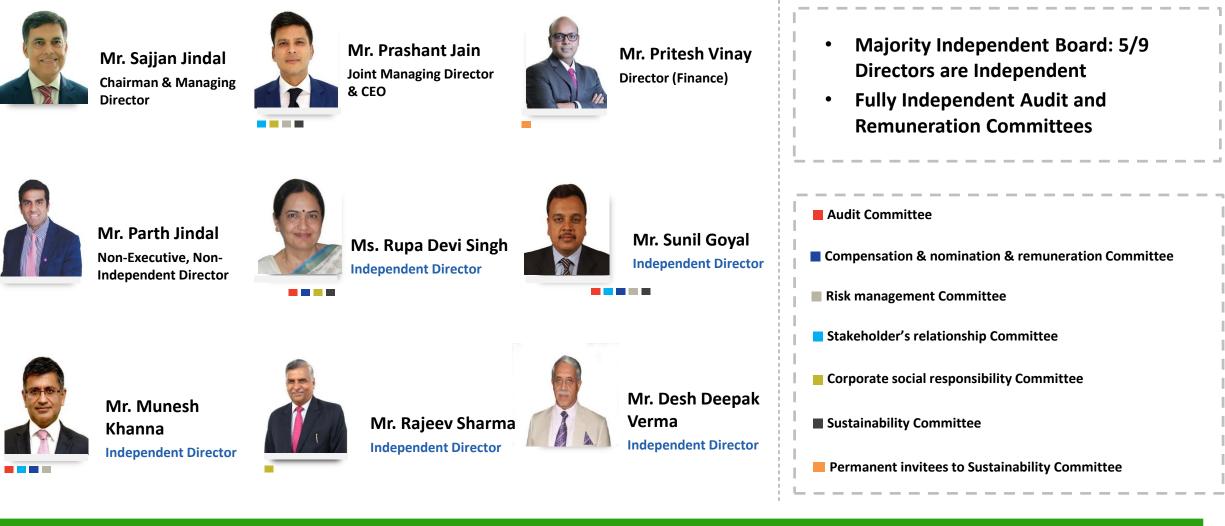
Community Development & Support

- Project Margdarshak: To empower rural India with access to applicable welfare schemes of central and state governments.
 5,000 individuals got access via this program.
- Solar Street Lights: Installed 236 solar street lights in in Barmer, Kutehr, Dharapuram and Tuticorin.



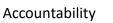
Strong Board Oversight and Leadership





Our Core Principles











Transparency



Environment



Regulatory Compliance

JSW Energy – At a Glance

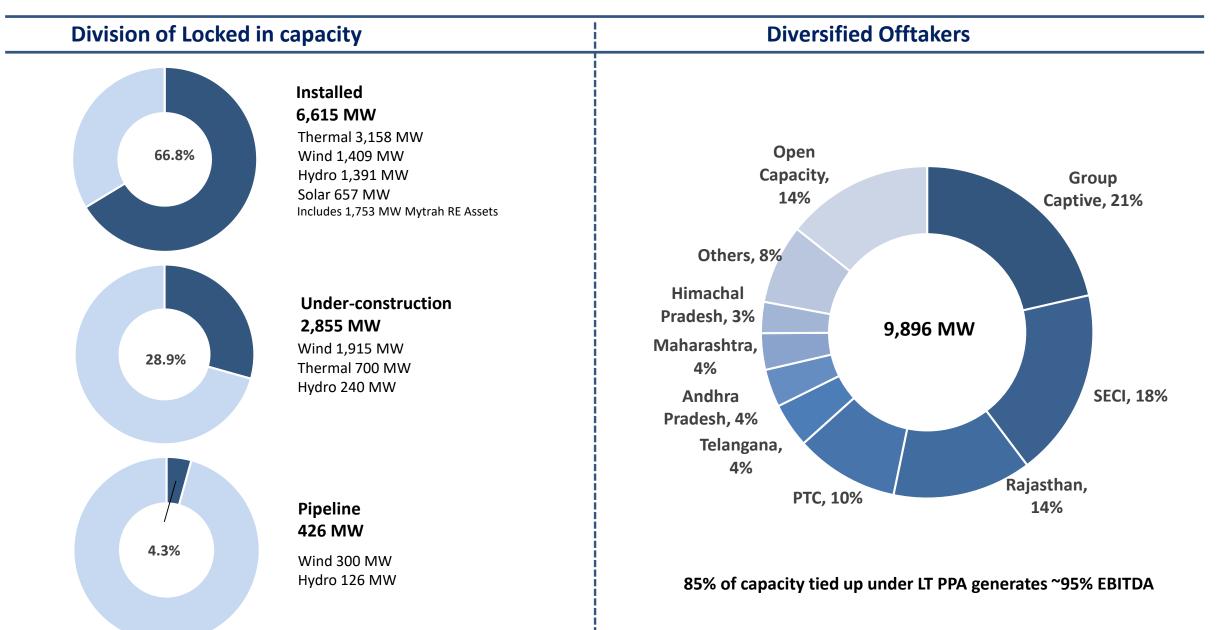


Well placed to achieve 10 GW of generation capacity ahead of stated timeline of FY25 and foray into New Age Businesses

	Power Ge	eneration			Energy S	torage		Ener	gy Produc	ts & Servic	es
9.9 GW of locked in capacity				3.4 (GWh of lock	ed in capa	city	Solar Module & Green H2			2
	RE 6.0 Thermal 3								###¥		
		4) Storage			Solar Module manufacturing		
Thermal	Solar	Hydro	Wind		Battery Storage	Hydro Pump			Solar I manu	Green Hydrogen & Derivatives	
3.9 GW 39.0%	0.7 GW 6.6%	1.8 GW 17.8%	3.6 GW 36.6%		1.0 GWh	2.4 GWh			1.0 GW	Gre & D	16

Asset Overview – 9.9 GW Locked-In

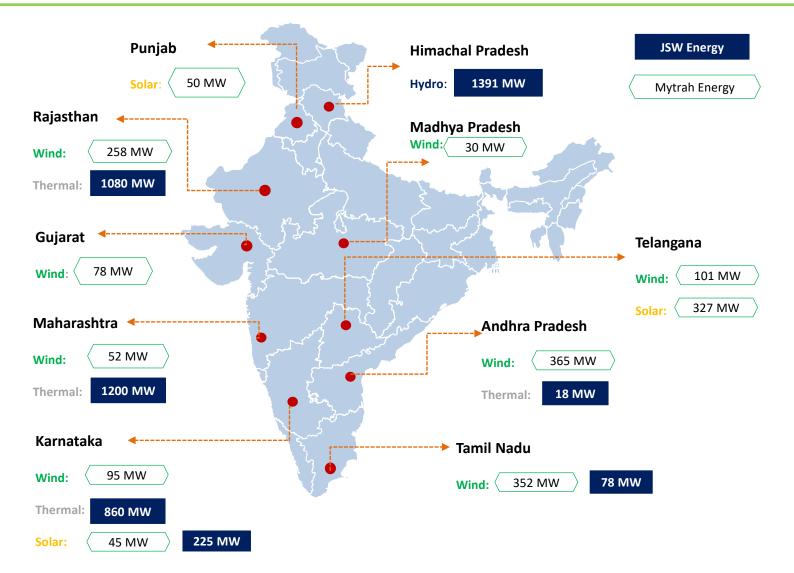




JSW Energy – Diversified plant locations

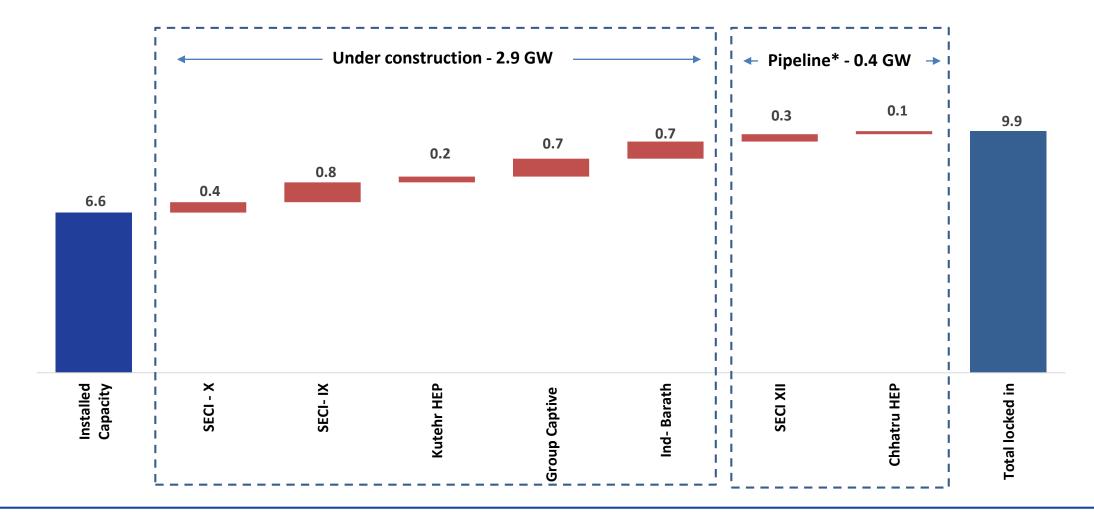






3.3 GW Projects - Under construction | Pipeline





2.9 GW of Projects Under Construction | 426 MW Projects in Pipeline

*LoA/LoI received

Under Construction Renewable Projects – 2.2 GW



Under-Construction: Map for illustrative purposes, showing project locations 1,915 MW * 240 MW

Under Construction Portfolio							
Plant	Capacity (MW)	Segment	Location	PPA/Offtaker	Scheduled Commissioning	Target Commissioning	
SECI - IX	810	Wind	Tamil Nadu	25-Year; SECI	Dec-23	progressively from Q3 FY23	
SECI - X	450	Wind	Tamil Nadu	25-Year; SECI	Jun-23		
Group Captive – JSW Steel	733	Wind	Karnataka, Maharashtra & Tamil Nadu	25-Year; JSW Steel	NA	progressively from Q1 FY24	
Kutehr	240	Hydro	Himachal Pradesh	35-Year; Haryana Discom	-	Sep-24	

Metrics for RE projects (Incl. 225 MW of solar projects commissioned at Vijayanagar)

Blended tariff ₹ 3.08/unit (excl. hydro)

PPAs Signed

Capex

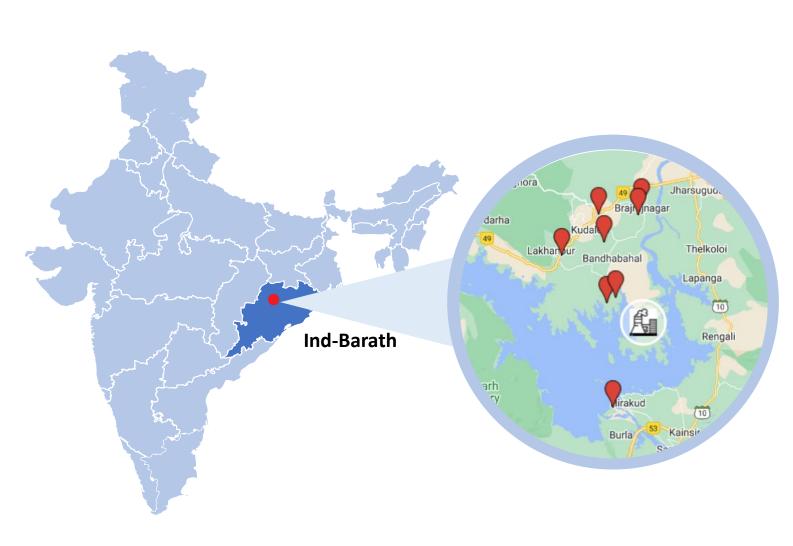
PPA

Total : ~ ₹ 16,660 Crore

Committed: ~₹ 11,650 Crore

Spent: ~₹ 5,500 Crore

Under Construction Ind-Barath – 700 MW



Maps for illustrative purposes, showing project locations



Ind-Barath: Asset Overview

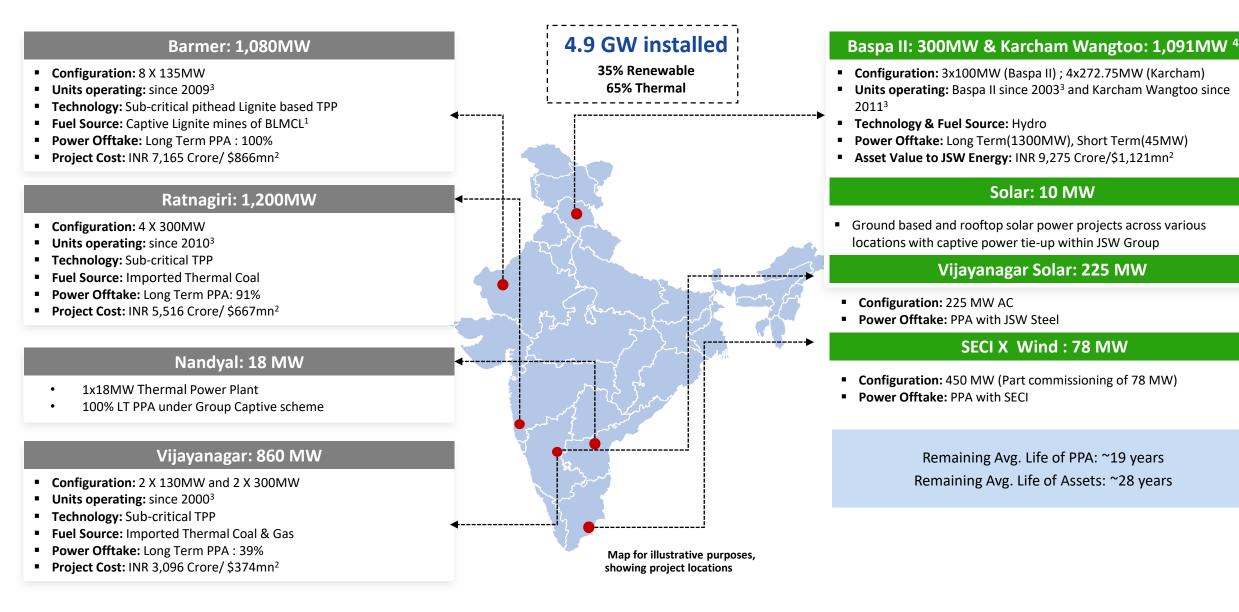
- **Location**: Jharsuguda, Odisha
- **Configuration**: 2 x 350 MW | Thermal Power Plant
- Technology: Sub-critical TPP
- Fuel Source: Domestic coal
- Transaction completed in Dec-22

Attractive Opportunity

- Attractive purchase consideration of ₹1,048 crore;
 further capex envisaged
- Located near the coal rich belt of IB Valley of Mahanadi Coalfields
- Ease of water access, from Hirakud Dam
- Optionality of varied offtake arrangements
- Accessibility: Rail: (Belpahar), Airport: (Raipur) and Port: (Paradip)

Installed Portfolio – 4.9 GW (excl. Mytrah[#])





1. Long term FSA with BLMCL for supply of lignite from its captive mines | 2. USD/ INR = 82.7 | 3. Denotes start of first unit in respective calendar year; TPP – Thermal Power Plant | 4. Current approved operational capacity at 1,045 MW. CEA approval received for uprating from 1,000 MW to 1,091 MW, in a phased manner over CY21 and CY22. # Mytrah in the entire presentation corresponds to acquired Mytrah RE assets of 1,753 MW capacity

Operating & Financial Highlights

LAROMAN

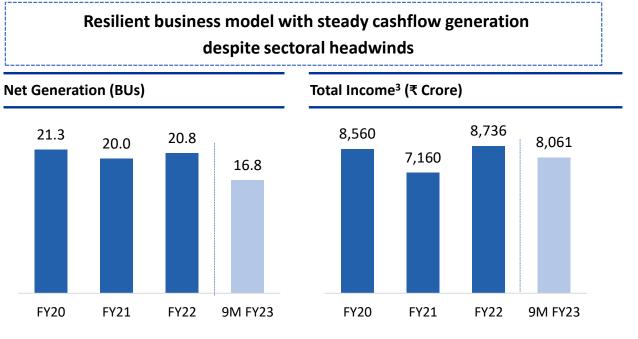
TAM

Healthy Operations and Financials (excl. Mytrah)



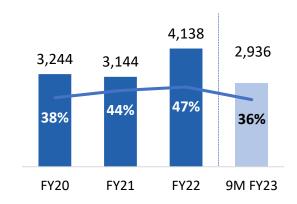


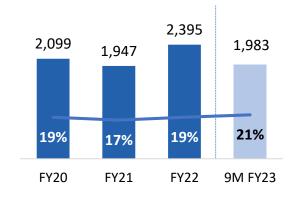
- Steady operations and robust financial: Track record of strong yearly cash profits of ~₹2,300 Crores.
- High LT PPA tie-up rendering high cash flow visibility
 - Almost all LT PPA under two-part tariff (imported/domestic fuel cost/forex pass through)
 - Remaining Avg. Life of PPA: ~19 years
 - Remaining Avg. Life of Assets: ~28 years
- Diversified off-takers
 - All plants placed favorably in Merit Order Despatch
 - Hydro projects under 'must-run' status
 - Consolidated Trade receivables at ₹ 1,628 Cr equaling to 69 receivable days as on Dec 31, 2022



EBITDA & EBITDA Margin (₹ Crore)

Cash PAT² (₹ Crore) and Return on Adj.Net Worth





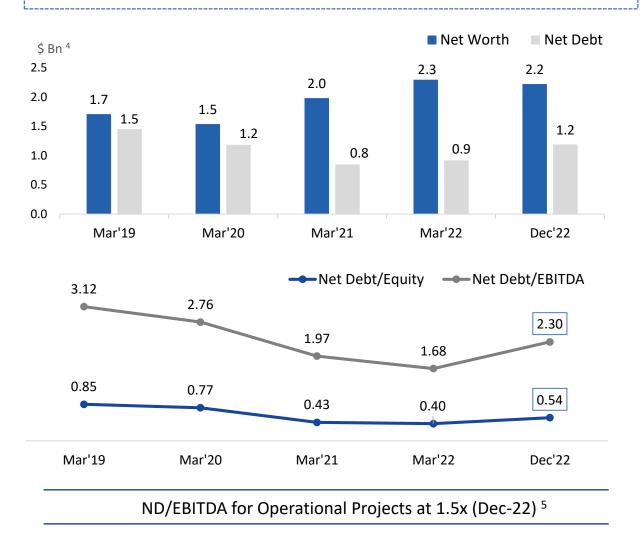
Robust balance sheet to support renewable-led growth (excl. Mytrah)



2.30x0.54xNet Debt/EBITDANet Debt/Equity8.29%69Wt. average cost of debtReceivable Days

- ✓ Strong Liquidity with healthy cash balances: ₹ 3,029 Crore (\$ 366 Mn³)
- ✓ Financial flexibility enhanced by equity investments:
 - Holding 7Cr (70mn) JSW Steel shares of Value¹: ₹ 5,379 Cr (**~\$650 Mn**³)
- ✓ Healthy Credit Ratings:
 - India Rating & Research: AA (Stable outlook)
 - ICRA Ltd: ICRA AA (Stable)
- ✓ Access to diverse pools of liquidity
- \checkmark Existing portfolio of 4.8 GW generating healthy CF & mid-teen equity IRR²
- \checkmark Weighted average cost of debt is 8.29% as of Dec 31, 2022

Large balance sheet headroom & strong cashflow available to pursue growth



1 Value of JSW Steel Share holdings as on Dec 31, 2022. Net Worth is impacted by change in value of listed equity investments through Other Comprehensive Income,

5. Based on net debt for operational projects of ₹3,365 crores; total net debt at the group level stands at ₹9,840 crores on Dec-22.

^{2.} Calculated as FCFE Yield on Adj. NW is ~14%; Adj NW : Net worth adjusted for non-strategic equity investments held

^{3. 1} USD =82.7 INR

⁴ Conversion based on USD = INR spot rate as of respective date

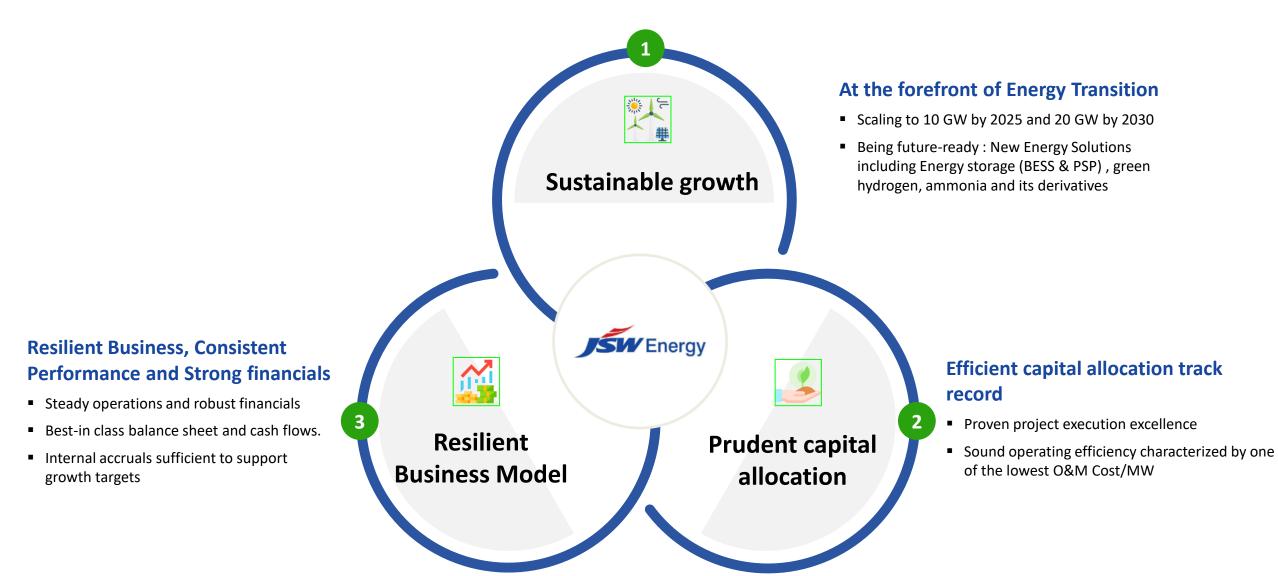
Why JSW Energy ?

- Compelling Investment Story
- Key Highlights

Committed to reaching Net Zero emissions by 2050

Compelling Investment Story



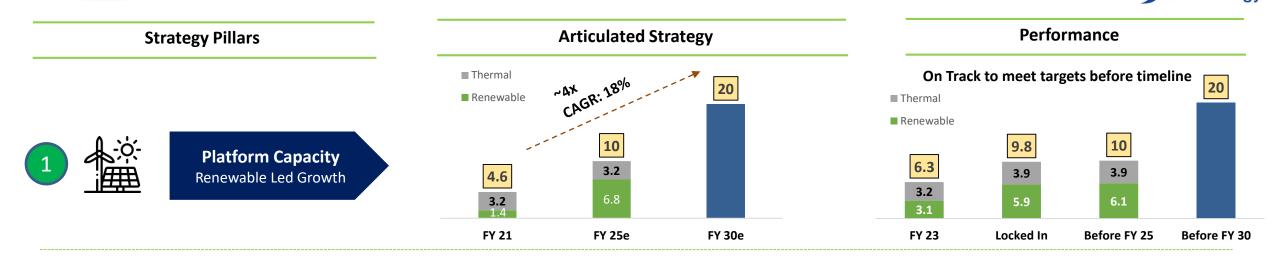


Compelling Investment Story





At the forefront of Energy transition | 10 GW by 2025







- Foray into renewable energy coupled with Storage solutions and products for the grid and commercial & industrial users
- Received LoA for SECI BESS project of 500MW/1000MWh

 Hydro Pumped Storage (PSP) - Received Lol for 300 MW PSP from PCKL Resources tied-up for ~9.8GW (~64 GWh) PSP in various states





Backward integration in supply Chain: Module and WTG Manufacturing

Foray into energy to molecules business

: Green Hydrogen (GH)/Ammonia

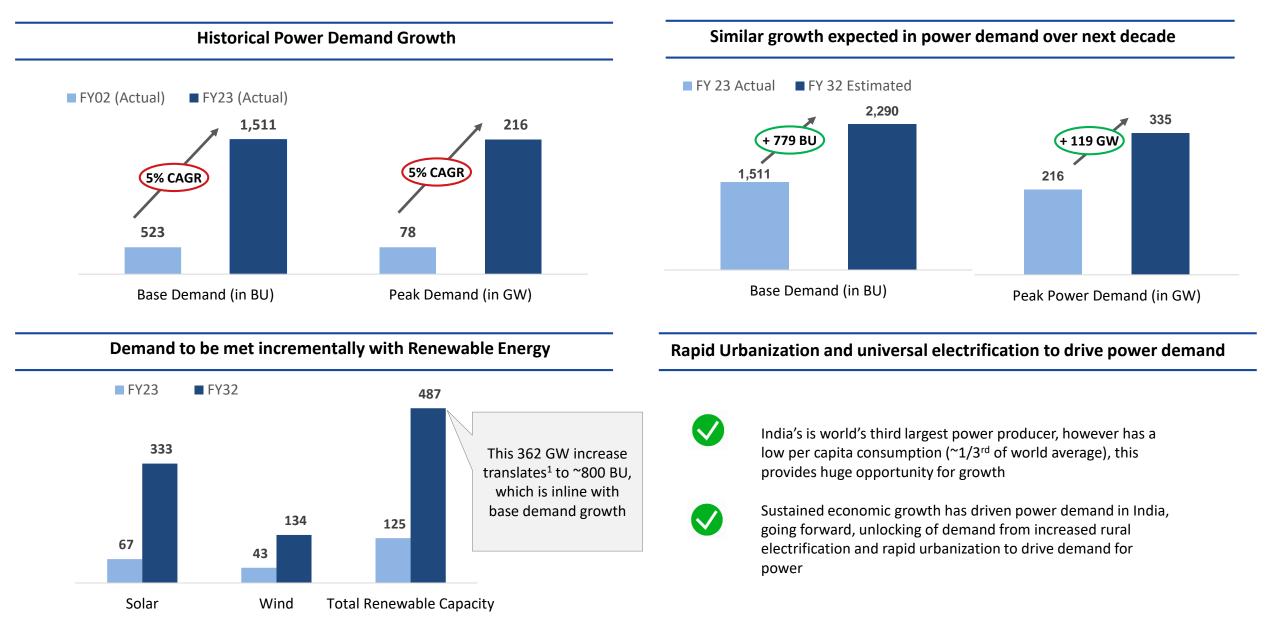
Awarded 1 GW of solar wafer, cell and module (W-C-M) capacity under PLI scheme.



Intend to do a pilot green hydrogen project

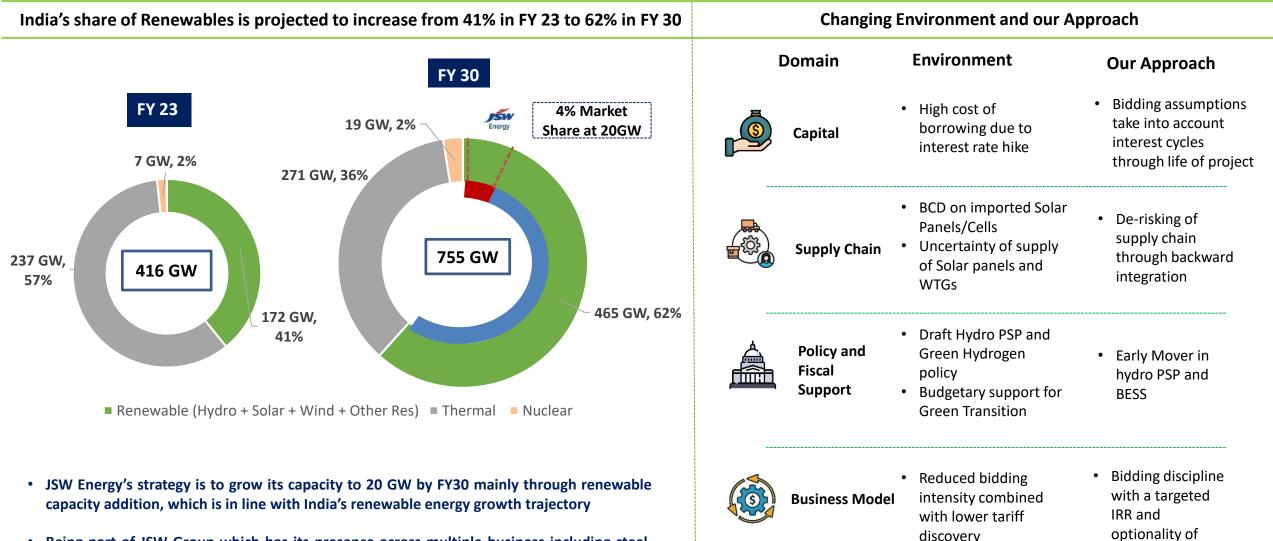
Significant Market Opportunity: Power Demand Growth to be met by RE





Participating in India's Green Transition





• Being part of JSW Group which has its presence across multiple business including steel, cement, infra and paints gives us the opportunity to further grow through group captive

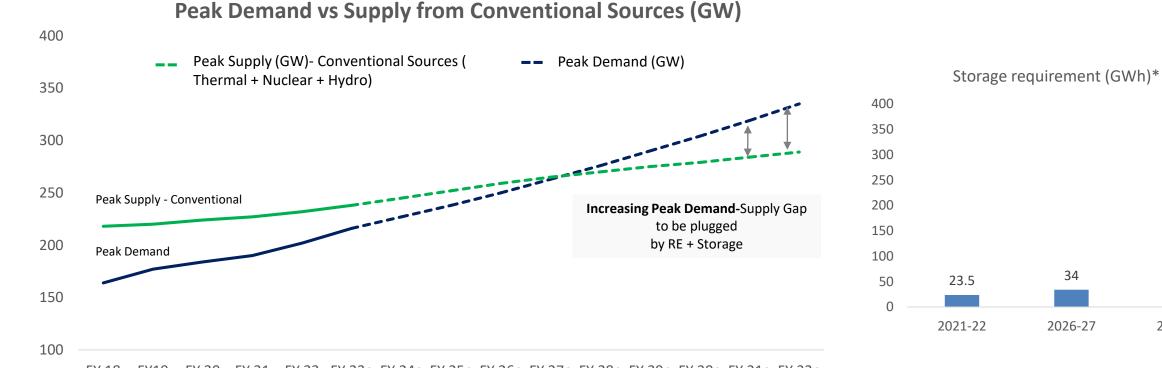
Group captive

Energy Storage critical in India's Energy Transition



351.5

2031-32



FY 18 FY 19 FY 20 FY 21 FY 22 FY 23e FY 24e FY 25e FY 26e FY 27e FY 28e FY 29e FY 30e FY 31e FY 32e

Renewable Energy + Storage Solutions required to plug increasing Peak Demand-Supply Gap going forward

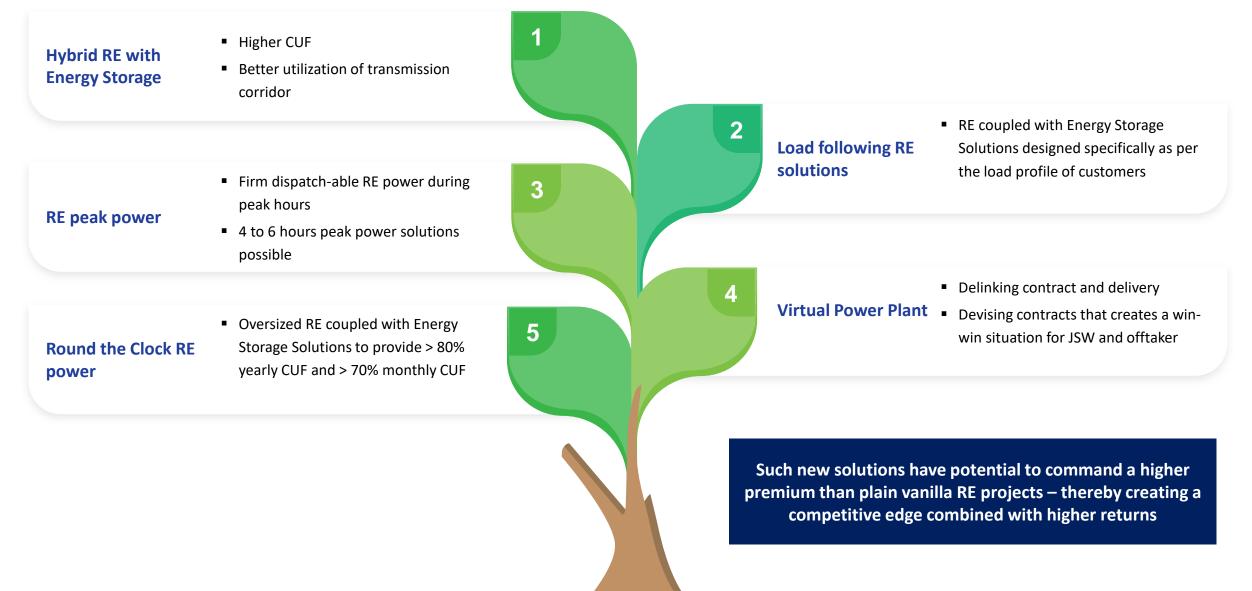
- Peak Power Demand is expected to grow at a CAGR of ~5% between FY22-32
- Old & Inefficient thermal capacities to keep on retiring YoY
- Hence, Increasing gap between Peak Demand and Peak Supply from conventional power sources (Thermal+Nuclear+Hydro) will be needed to be plugged by supply from renewable + storage capacities

Draft National Electricity Plan projects a large requirement of Energy Storage for 2031-32

 Projections of the order of 70.3 GW of energy storage requirement till 2031-32

Energy Storage – Enabler for New RE based products and services





Energy Storage Solutions: Battery Energy Storage Solutions (BESS)



India's Market Potential JSW's Plans LoAs received for SECI bid for the utility scale pilot BESS 52GW/258GWh¹ installed capacity by 2032 project (500MW/1000MWh) Facilitate RE capacity integration by addressing Capacity charge of ₹10.85 lakh per MW per month intermittency Pilot project is Build Own Operate Transfer (BOOT) Balancing grid against load fluctuations with tenure of 12 years Better utilization of transmission infrastructure Project will have Battery Storage Purchase Agreement for 60% of the capacity with SECI and balance is open for sale Supporting India's Clean Energy commitments Identified site is at Fatehgarh, Rajasthan Waiver of ISTS charges allowed for BESS Participate in ancillary market with the open Integral to RTC power infrastructure for clean energy capacity Mid-teen equity IRR expected from the project Targeted commissioning by October 2024



India's Market Potential



Only 3.3 GW operational out of 97 GW potential

- Hydro Power Obligations to bolster development of PSPs
- Waiver of ISTS charges also allowed for Hydro PSP

Supporting 50% energy requirement from renewable sources by 2030

- *

Hydro PSP to provide adequate peaking reserves, reliable grid operation and integration of variable renewable energy sources

Key Highlights:

- Long Project Life
- Low construction cost and better PLF vis-à-vis conventional hydro projects
- Supports Grid Stability
- High tariffs with attractive returns

JSW's Plans

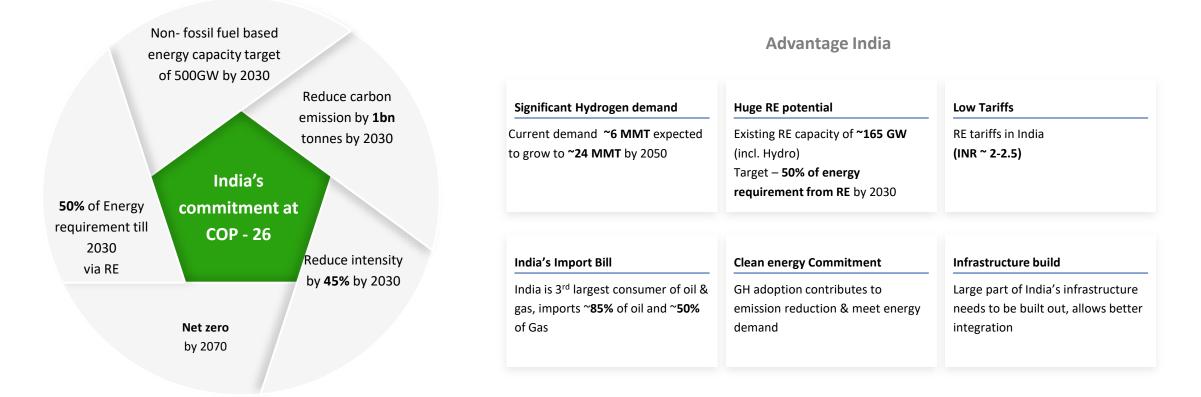
- Received LoI for 300 MW PSP from Power Company of Karnataka Ltd
- ✓ Resources secured for 9.8 GW/ 64GWhr PSP
- ✓ First project will be a captive PSP at Vijayanagar, construction expected to commence in CY2023

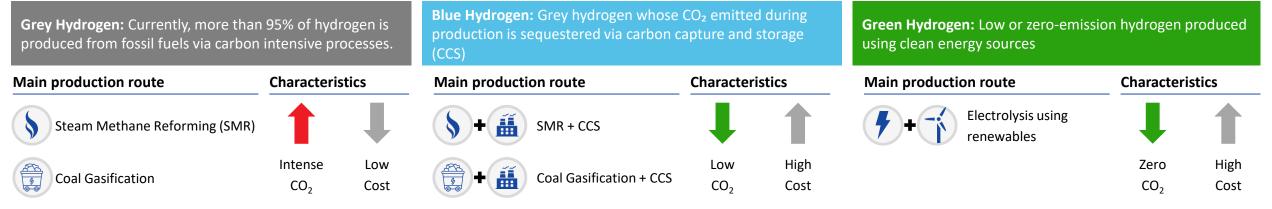
State	MoU/Lol Dates	Capacity (GW)
Maharashtra	Sep-21 Sep-22	2.5
Andhra Pradesh	Mar-23	2.2
Telangana	Apr-22	1.5
Uttar Pradesh	Nov-22	1.2
Rajasthan	Dec-21	1.0
Chhattisgarh	Aug-22	1.0
Karnataka	Jun-22 Nov-22	0.4
Resources Secured		9.8
Target (by 2030)		10.0

- Benefit of JSW's proven experience with managing the largest hydro portfolio in the private sector
- ✓ Project Clearances : 3 Years | Project Construction: 3 Years

Electrons to Molecules: Green Hydrogen Potential







Source: Press information Bureau – India, Company Market Research, Hydrogen Policy Study by ASSOCHAM.

Electrons to Molecules: Green Hydrogen



India's Market Potential

Significant H₂ demand

- India 2nd largest hydrogen demand base in the world
- H₂ demand expected to grow to ~24 MMT by 2050; can spur USD 65-70 Bn investments in incremental RE capacity

National Hydrogen Mission



- Announced in the Union Budget 2021 for making a hydrogen roadmap for the country
- Government announced Green hydrogen obligation for Fertilizers and Refinery sector
- Incentives of ₹19,744 crores announced for development of green hydrogen capacity of at least 5 MMT/annum

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India's Clean Energy commitments

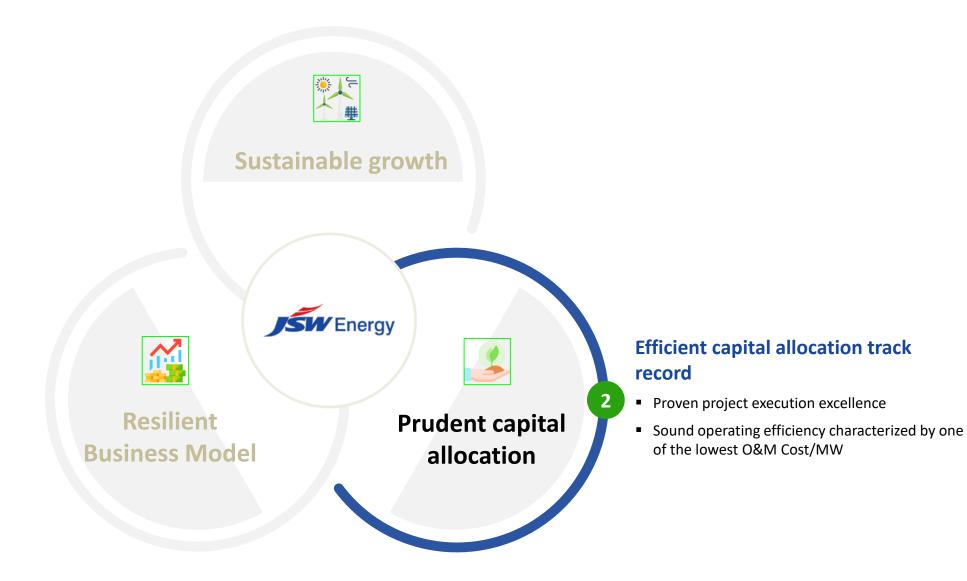
- Green H₂ adoption can contribute to emission reduction in allied sectors
- India has low RE tariff's: Electricity is ~80% of Cost of Green
 H₂

JSW's Plans

- ✓ To tap significant clean energy market opportunity in India and become a front-runner in a future hydrogen economy
- Utilisation potential across:
 - green steel making
 - green ammonia
 - chemical derivatives
 - hydrogen mobility
 - other industrial applications

Compelling Investment Story





Proven project execution and operational excellence...

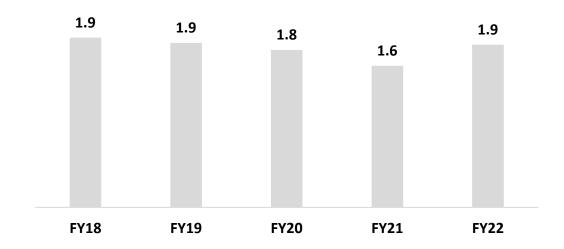


Prudent and consistent capital allocation strategy for growth over a 25 year history

Business model resilient despite several sectoral headwinds over the last decade

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

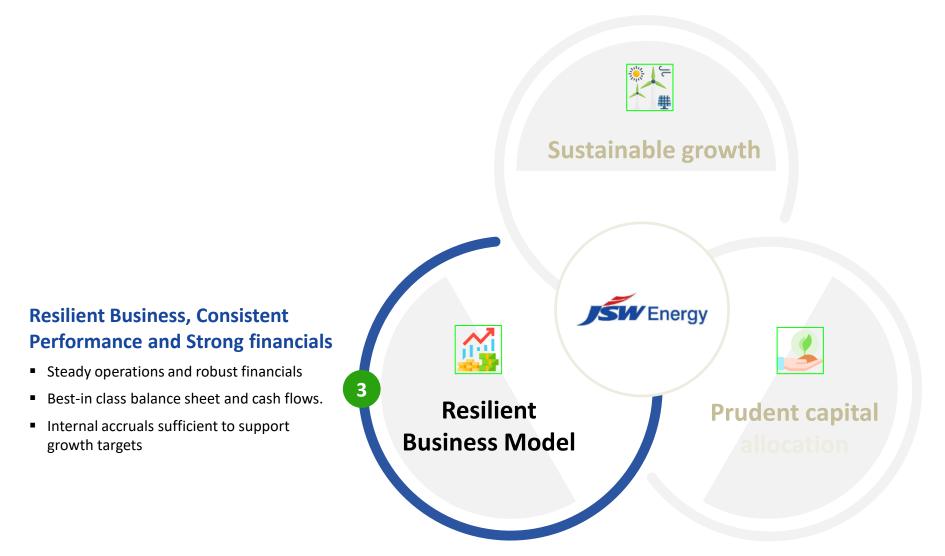
O&M Expenses (Rs Mn/MW)





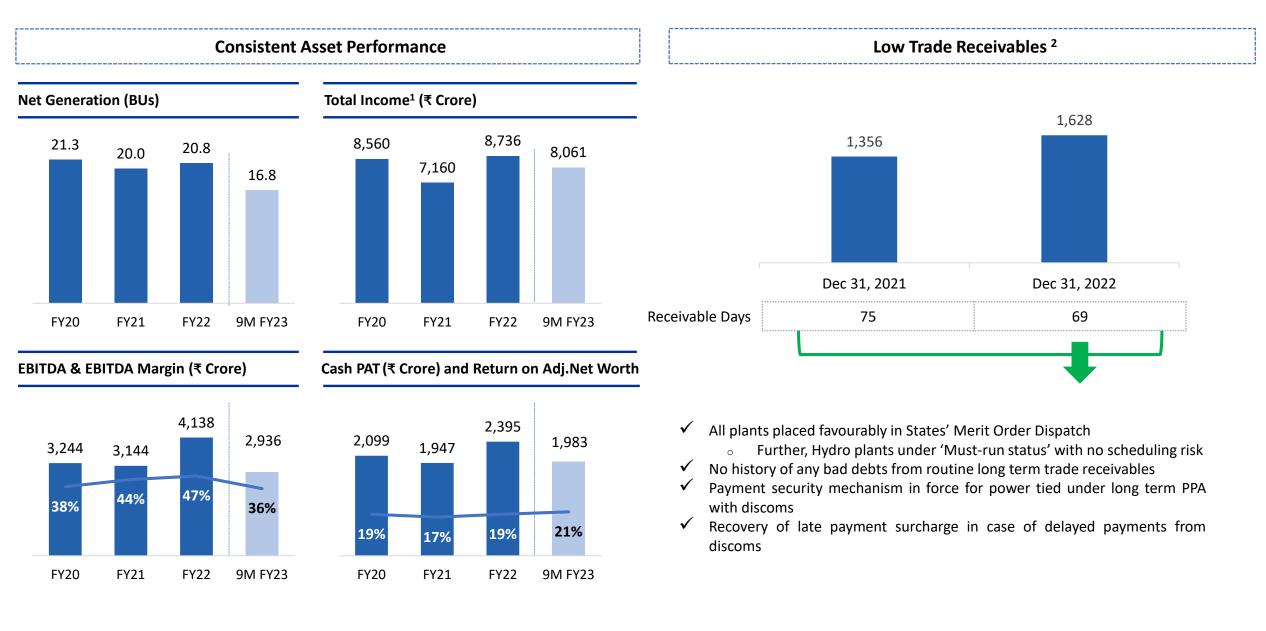
Compelling Investment Story





Steady Operations and Robust Financials (4.8 GW)





Best-in class balance sheet & cash flows to support renewable-led growth



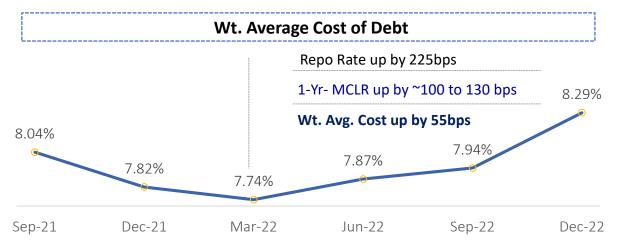
Large balance sheet headroom to pursue growth opportunities

Strong credit metrics :

Figures in ₹ Crore	As on Dec 31, 2022				
Networth	18,392				
Net Debt	9,840				
Net Debt/EBITDA	2.30				
Net Debt/Equity	0.54				
Wtd. Average Cost of Debt	8.29%				

Healthy Credit Ratings and access to diverse pools of liquidity

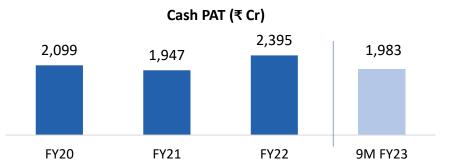
- ✓ India Rating & Research: AA (Stable outlook)
- ✓ ICRA Ltd: ICRA AA (Stable)



Healthy internal accruals to support growth

Operational Portfolio (4.8 GW excl. Mytrah):

 Steady operations and robust financial: Track record of strong yearly cash profits of ~₹2,300 Crores¹



- Generating healthy CF & mid-teen equity returns
- 85% of portfolio tied-up under Long Term PPA
 - ✓ Remaining Avg. Life of PPA: ~19 years
 - ✓ Remaining Avg. Life of Assets: ~28 years
- Strong Liquidity with healthy cash balances²: ₹3,029 Crore
- **Financial flexibility** enhanced by equity investments:
 - ✓ JSW Steel shares: 7 crore shares held (Value as on Dec 31, 2022: ~ ₹5,379 Crore)
- No equity dilution envisaged for intended capex of ₹10,000 crore/annum for upcoming projects

1. Applying the average return of 18% on current adjusted net worth 2. Includes unencumbered bank balances, FDs, and liquid mutual funds

JSW Energy : Key Highlights



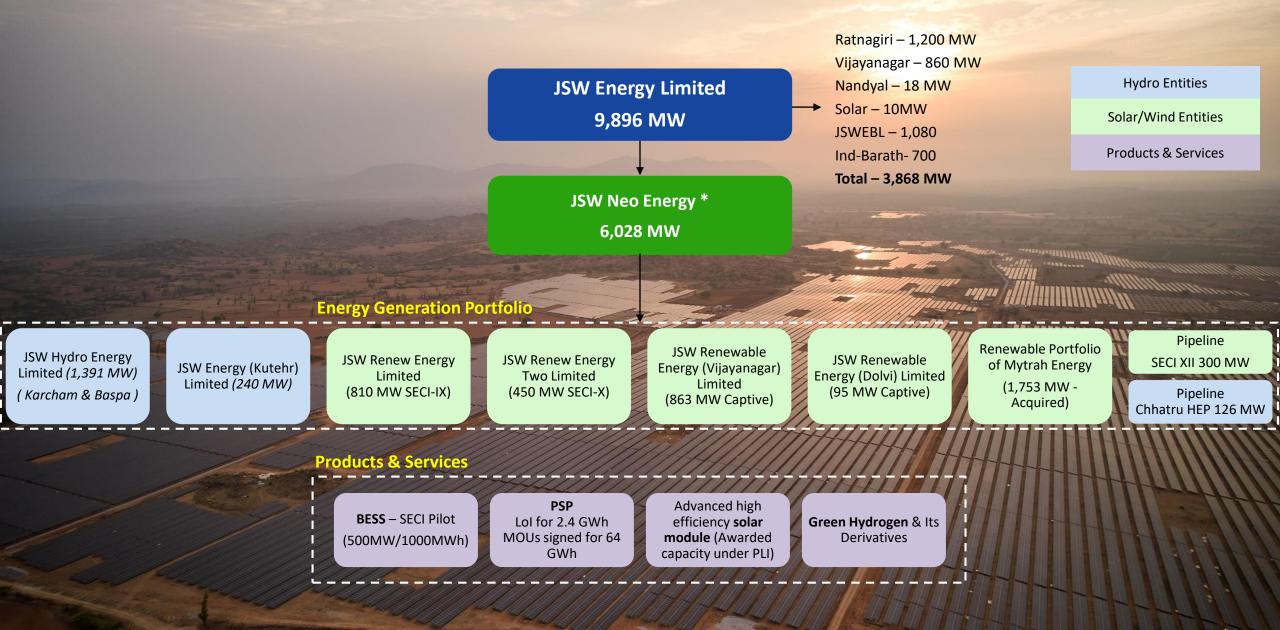
Proven Execution Excellence	 ✓ Superior project execution skills: Projects set-up in lowest cost & time ✓ Differentiated business strategy for growth to 20 GW, driven by Renewable ✓ Foraying in New Energy Platforms: Green Hydrogen, Energy Storage, Energy Products & Services
Focus on Sustainability	 Strong Focus on ESG – Leadership band with 'A-' score in the 2021 CDP Climate Change assessment Amongst the Highest rated power generation company in India by various independent ESG rating agencies To be Carbon Neutral by 2050; Committed to set science based emission reduction targets (SBTi)
Efficient O&M	 ✓ Sound operating efficiency characterized by one of the lowest O&M costs in the sector ✓ Global best practices & recognition in Safety: Barmer and Ratnagiri Plants awarded 'SWORD OF HONOUR' by British Safety Council
Steady EBITDA and Cash accruals	 ✓ 85% of total portfolio tied up with LT PPA providing ~95% EBITDA and Cashflow generation ✓ Two-part tariff structure mitigating fuel and forex risk
Healthy Receivables	 ✓ Receivables days at low levels in DSO terms. ✓ Favorable placement in Merit Order Despatch & diversified off-takers mitigate Receivable risk
Strong Balance Sheet	 ✓ Amongst the Strongest Balance Sheet in the sector: 2.30x Net Debt/EBITDA; 0.54x Net Debt/Equity ✓ Healthy debt metrics to be maintained while pursuing value accretive growth ✓ A healthy cash balance of ₹3,029 Cr and financial flexibility with JSW Steel equity shareholding
Low Cost of Funding	 ✓ Proactive Debt Management: Weighted average cost of debt at 8.29% ✓ Raised a US\$ 707 million green bond to refinance debt for hydro entity in May'21

JSW Neo Energy Ltd

ISW

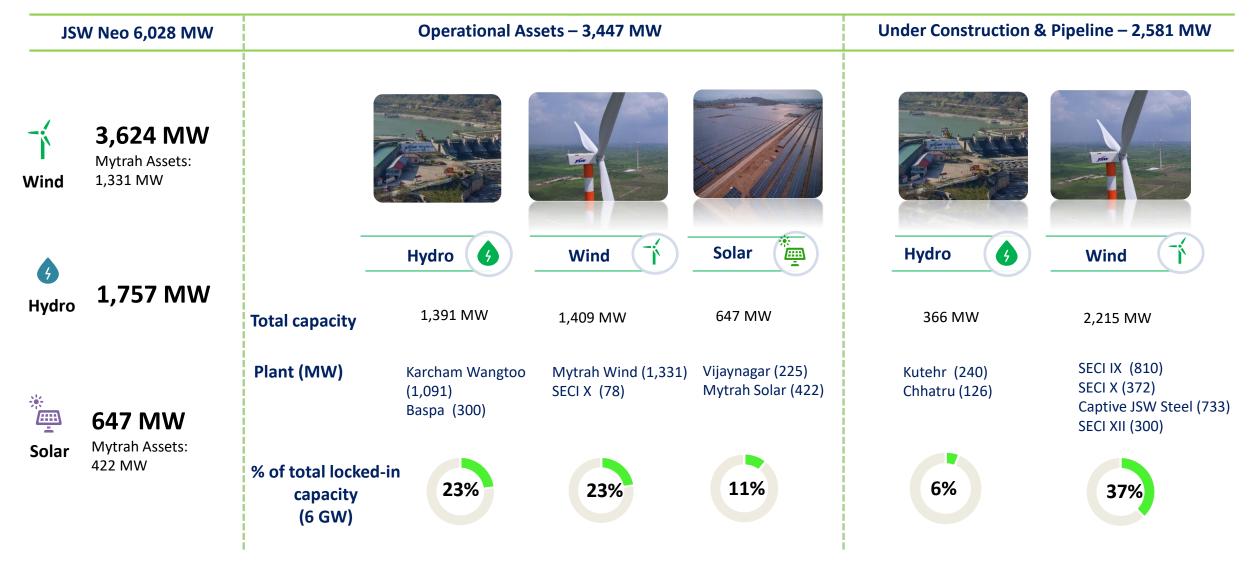
SECI X Tuticorin, Tamil Nadu

JSW Neo Energy – Green Energy Platform of JSW Energy



Green driving the platform capacity



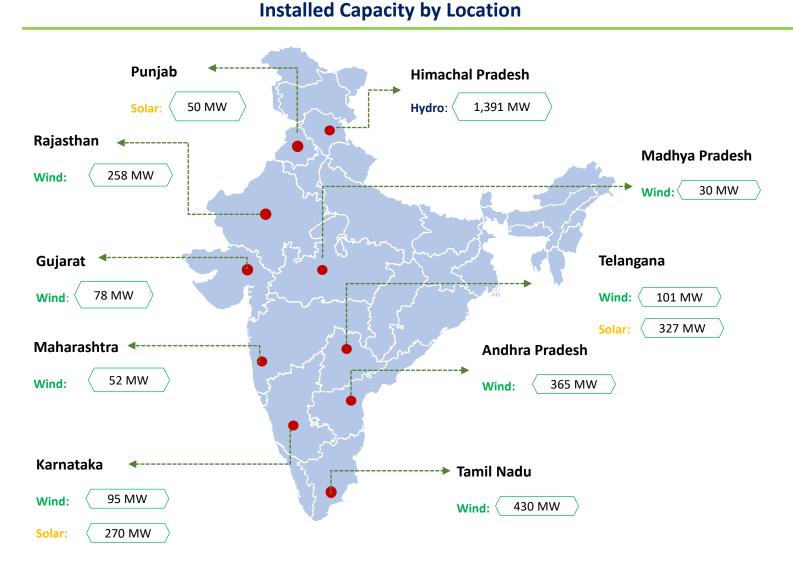


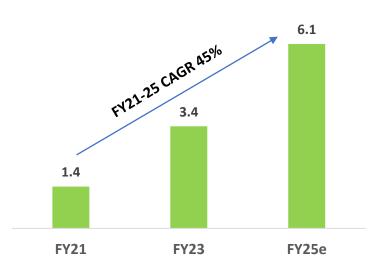
Total locked-in renewable capacity of 6,028 MW

JSW Neo: 3.4 GW Operating Capacity



JSW Neo Energy Capacity (GW)



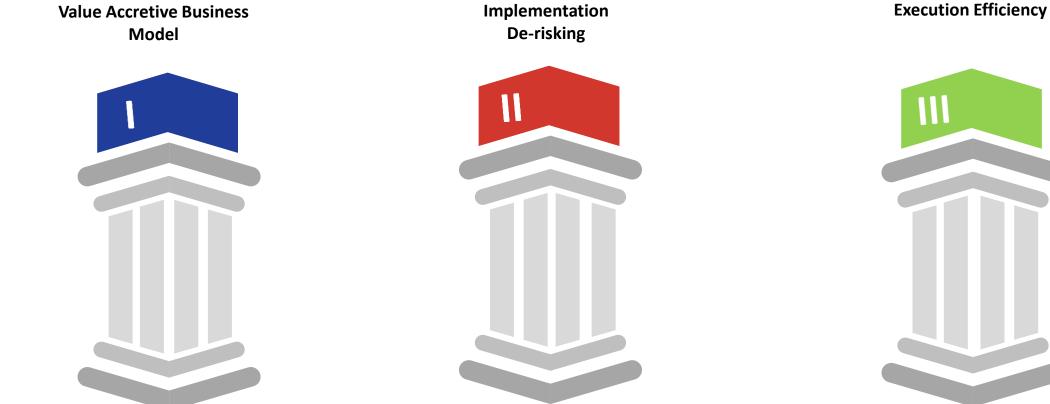


- 6 GW capacity locked in
- Expected to generate mid-teen equity IRR
- No equity dilution to reach targeted capacity growth

Total installed capacity is 3,447 MW of which 97% is tied up under Long Term PPA

JSW Neo Growth Framework





Prudent selection of growth opportunities

- Bidding based on P90 generation assumption ٠
- Conservative Interest rate assumptions ٠
- Targeted selection-Targeting a niche segment of market offering healthy returns – Mid teen IRRs

Life cycle approach

- Land acquisition, De- scoped project ٠ construction, power evacuation and O&M
- Power evacuation ٠
- Proactive approach to get the PPA/PSA ٠ executed and tariff adoption



Group's project execution excellence

• Fast execution while ensuring all safety guidelines

Ensuring Consistent Value Creation



Protecting Returns

Value Accretive Business Model

- Bidding based on P90 generation assumption
- Conservative Interest rate assumptions
- Targeted selection- Targeting a niche segment of market offering healthy returns – Mid teen IRRs



Implementation De-risking

- Land acquisition, De- scoped project construction, power evacuation and in-house O&M
- Proactive approach to get the PPA/PSA executed and tariff adoption



Execution Efficiency

• Group's project execution excellence: Fast execution while ensuring all safety guidelines

Enhancing IRRs

De-scoped Project Execution

- No Turn key EPC contracts: instead creating value with split package approach
- Modular commissioning; Early onset of revenues



Attractive Financing Solutions

- Debt loading coinciding with revenue generation
- Reducing Interest cost via refinancing



Operational excellence

- Cost reductions due to Self O&M
- Technology Improvement

Further Growth Opportunities



Green Energy Needs of JSW Group and C&I customers

• JSW Group has aggressive growth plans in Steel, Cement and Paints businesses providing opportunities for group captive projects



Power to X (PtX): Green Chemicals

- Green Hydrogen and Ammonia derivatives
- Green Methanol and derivatives



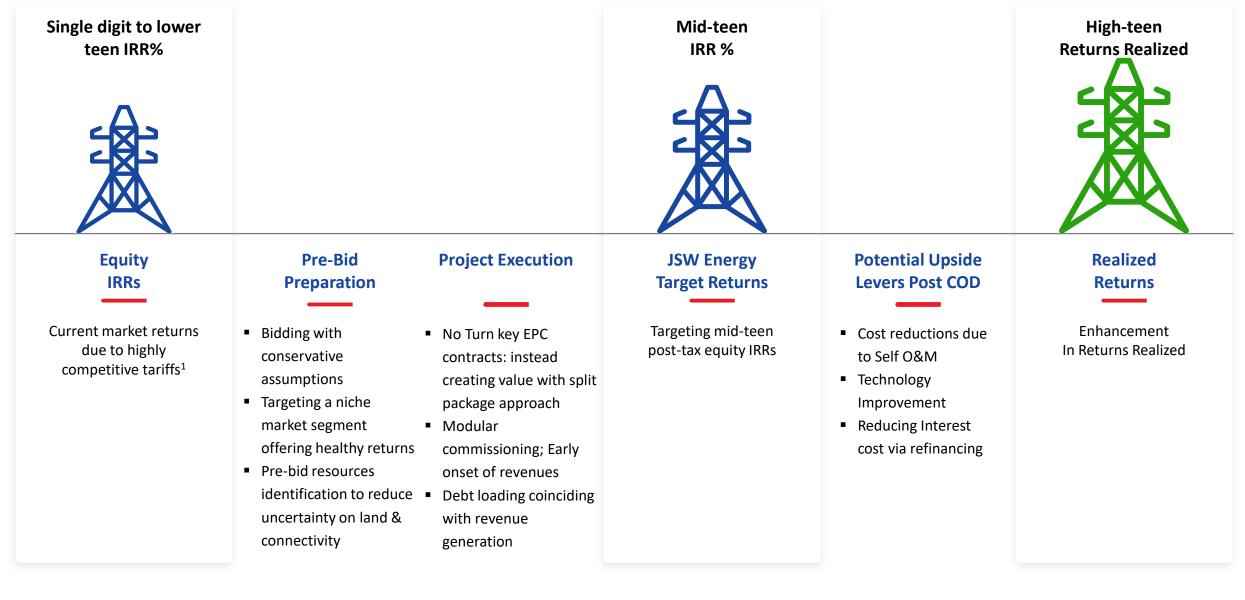
Energy Storage: Hydro PSP and BESS



Value Accretive M&A opportunities

Growth Framework leading to industry-leading returns







Adequately addressing key risks and concerns (1/2)



Key Risks/Concerns	Favourable Policy Support and Market Interventions	Mitigation Strategy by JSW Energy			
Demand risk (Clearing of PPA Backlogs)	 Well established central agencies (SECI, NTPC) for managing PPAs Discoms/offtakers entering into new renewable long-term PPAs at commercially attractive tariff given pick-up in economic activity resulting in strong spot electricity prices Renewable Power Obligation for RE and Hydro Projects, energy storage obligations also introduced thereby promoting energy storage projects 	 Existing portfolio: 85 % PPA signed which forms about 95% of EBITDA U/C portfolio: PPA signed for all renewable projects Mix of Discoms and C&I customer base Targeting new areas of demand through Green Hydrogen and Energy storage 			
Receivable risk	 Payment security through mandatory provision of LCs before power off-take Late payment surcharge fees are charged for delays Cabinet approves US\$37 bn for power discom reforms Defined framework for recovery of costs due to 'Change in Law' 	 All plants placed favorably in States' Merit Order Dispatch Portfolio diversified across multiple off-takers No history of any bad debts from routine LT trade receivables Recovery of late payment surcharge in case of delayed payments from discoms 			
Domestic industry for capacity addition	 ~\$2.9 bn production linked incentive scheme for high efficiency PV modules ~\$2.2 bn scheme for ACC batteries 	 Technology agnostic approach To benefit from domestic capacity addition 			

Adequately addressing key risks and concerns (2/2)



Key Risks/Concerns	Favourable Policy Support and Market Interventions	Mitigation Strategy by JSW Energy			
Offtake Risk (revenue/volume)	 Must-run status for renewable; Rule notified to provide regulatory support towards 'Must-run' status - Electricity (Promotion of generation from renewable sources of energy by addressing Must Run and other matters) Rules, 2021 	 Hydro plants under 'Must-run status' with no scheduling risk ~98% of LT PPA under two-part tariff; Plant Availability maintained above normative across locations to recover fixed charge; fluctuations in fuel cost and forex are completely pass through 			
Soundness of Auction framework	 Efficient and Transparent competitive bidding process Innovative models emerging: Hybrid solar, Renewable-plus-storage , Round-the-clock (RTC) renewable power 	 Highest ever single bid standalone capacity secured under any of the Indian renewable auction – 810 MW wind capacity awarded under SECI IX Participating in RTC bids 			
Grid Infrastructure capability	 Development of dedicated Green Energy Corridors for evacuating RE capacity 	 Pump Storage and battery storage solutions offer opportunity to address grid balancing issues Received LOAs for 500MW/1,000 MWh SECI battery energy storage project 			





Robust Cash Returns on Adjusted Net Worth



₹ crore (Unless mentioned otherwise)

Quarter ended	Mar-21	Jun-21	Sep-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22
Reported PAT	107	201	339	324	864	560	466	180
Add: Depreciation	294	288	284	281	277	289	294	295
Add/(less): Deferred Taxes	27	21	32	26	(7)	84	42	14
(Less): Dividend Received	-	-	(46)	-	-	-	(122)	-
Add/(less): One-offs*	(83)	-	-	-	(492)	(120)	0	-
Cash PAT	346	510	610	631	643	813	681	489
Cash PAT (TTM)	1,947	1,940	1,899	2,097	2,395	2,697	2,767	2,625
Adjusted Net Worth**	11,473	11,529	11,475	11,830	12,688	12,952	13,491	13,446
Cash Returns on Net Worth (%)	17%	17%	17%	18%	19%	21%	21%	20%

Strong cash returns of >18% translates to yearly cash profits of ~₹2,300 crores

*Refer note 4 of Q4FY21 release and note 5 of Q4FY22 release for Mar-21 and Mar-22 one-offs, respectively. Jun-22: Exceptional items ₹ 120 crore represents reversal of loss allowance made in earlier years on loan given to a party. ** Adjustment in net worth by excluding the value of shares of JSW Steel

JSW Energy's Corporate Journey



