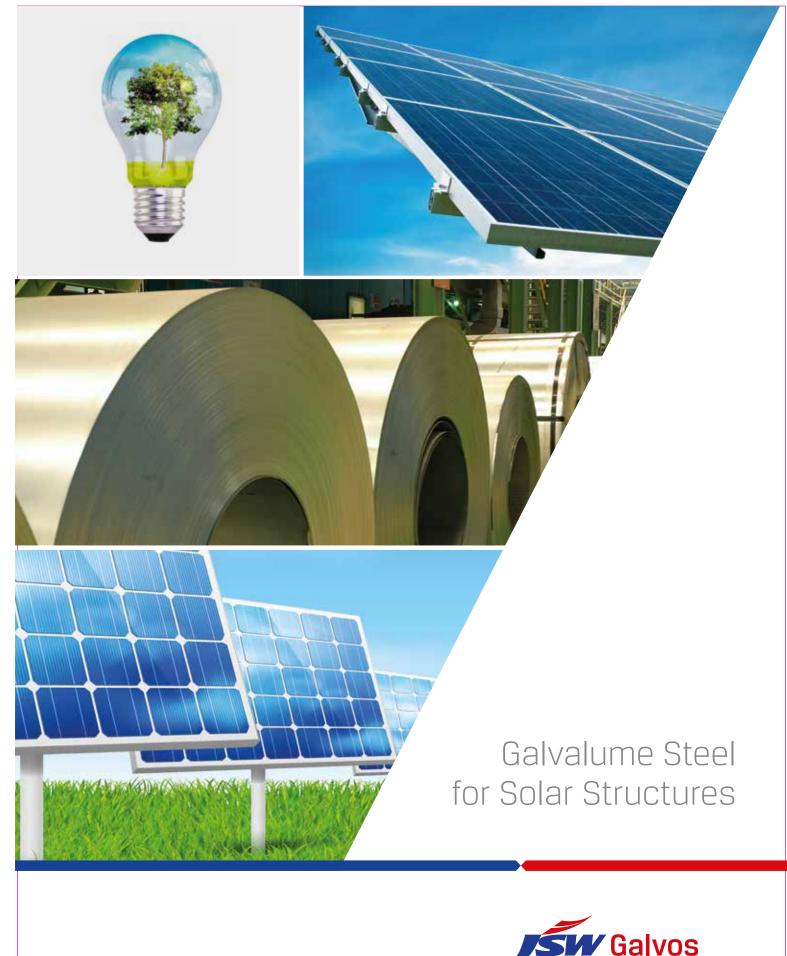


Disclaimer: While every effort has been made to ensure the accuracy of the information contained within this publication, the use of the information is at reader's risk and no warranty is implied or expressed by JSW Steel with respect to the use of information contained herein. The information in this publication is subject to change or modification without notice. Please contact the JSW Steel office for the latest information.

JSW Steel Ltd. - CIN: I27102mh1994plc152925 JSW Steel Coated Products Ltd.- CIN: U27100mh1985plc037346





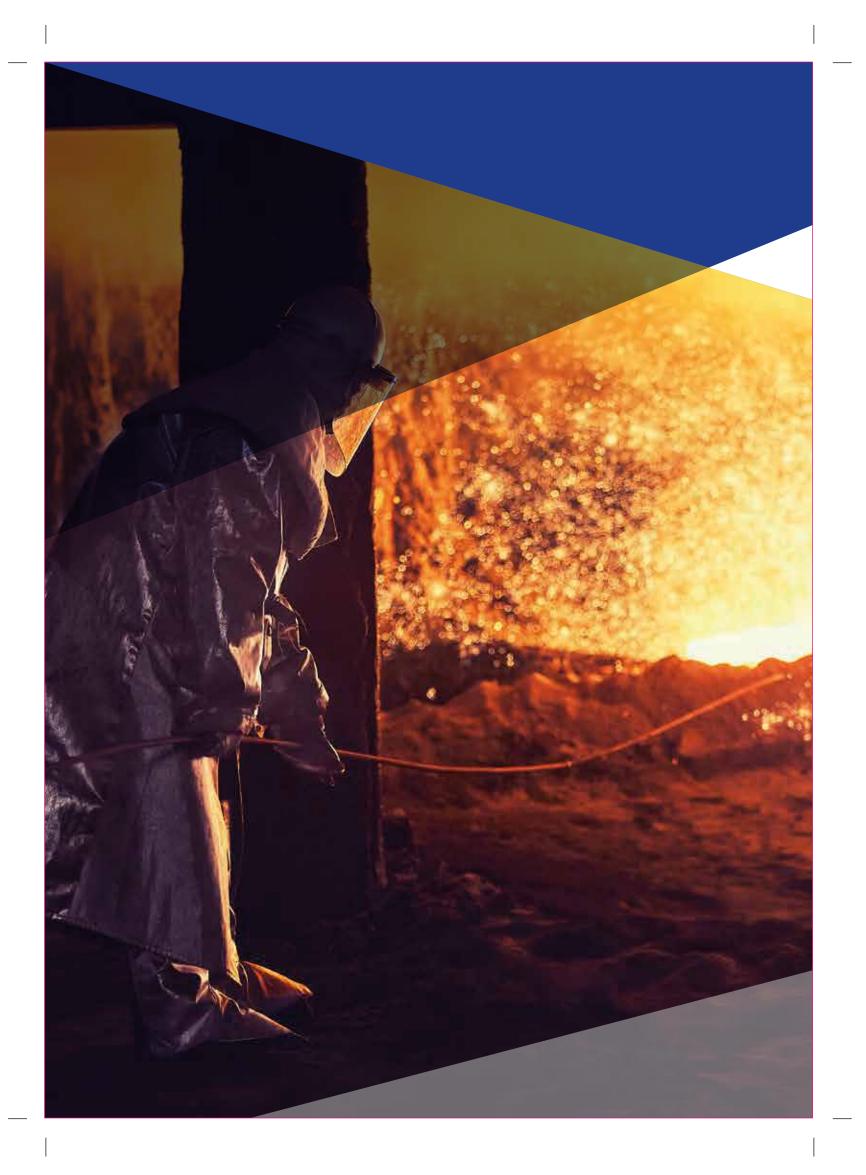


Table of Contents

JSW Group Overview21 Technical Specifications

06 JSW Steel 23 The JSW Galvos Promise

08 JSW Steel 24 Storage, Handling and Maintenance

Setting
Benchmarks

25 Packaging

Awards & Recognitions 27 Clientle

4 Manufacturing Pacilities 28 Offices

15 Manufacturing Process







JSW Group

A \$22 billion conglomerate, with presence across India, USA, Italy, South America & Africa, the JSW Group is a part of the O. P. Jindal Group with strong footprints across economic sectors, namely, Steel, Energy, Infrastructure, Cement, also in Ventures, Sports, Furniture and Paints.

The Group is paving the way for India's development as a global superpower. JSW Steel is India's leading steel producer and among the world's most illustrious steel company. The Group is also leading in every sector that it operates in. JSW Steel has always been at the forefront of research and innovation. It has a strategic collaboration with global leader JFE Steel of Japan, enabling JSW to access new and state-of-the-art technologies to produce and offer high-value special steel products to its customers.

JSW Energy is one of the earliest private entrants into the power sector positioned strongly as a full-spectrum integrated power company with a presence across the power sector value chain. It is one of the most efficient Power company in the country with one of the country's largest open cast mining operation by volume and one of the largest private sector Hydro operator in India.

JSW Cement creates the building blocks of India with its environment friendly products. JSW Infrastructure is contributing to the nation's development by providing world class services to clients through state of-the-art ports, terminals, shipyards and other facilities.

JSW Sports runs the Sports Excellence Program (SEP) to identify, nurture and develop Indian athletes to ensure that they bring sporting glory to the nation on the global stage. JSW Sports also runs the Bengaluru Footbal Club, Delhi Capitals cricket team and the Haryana Steelers kabaddi team.

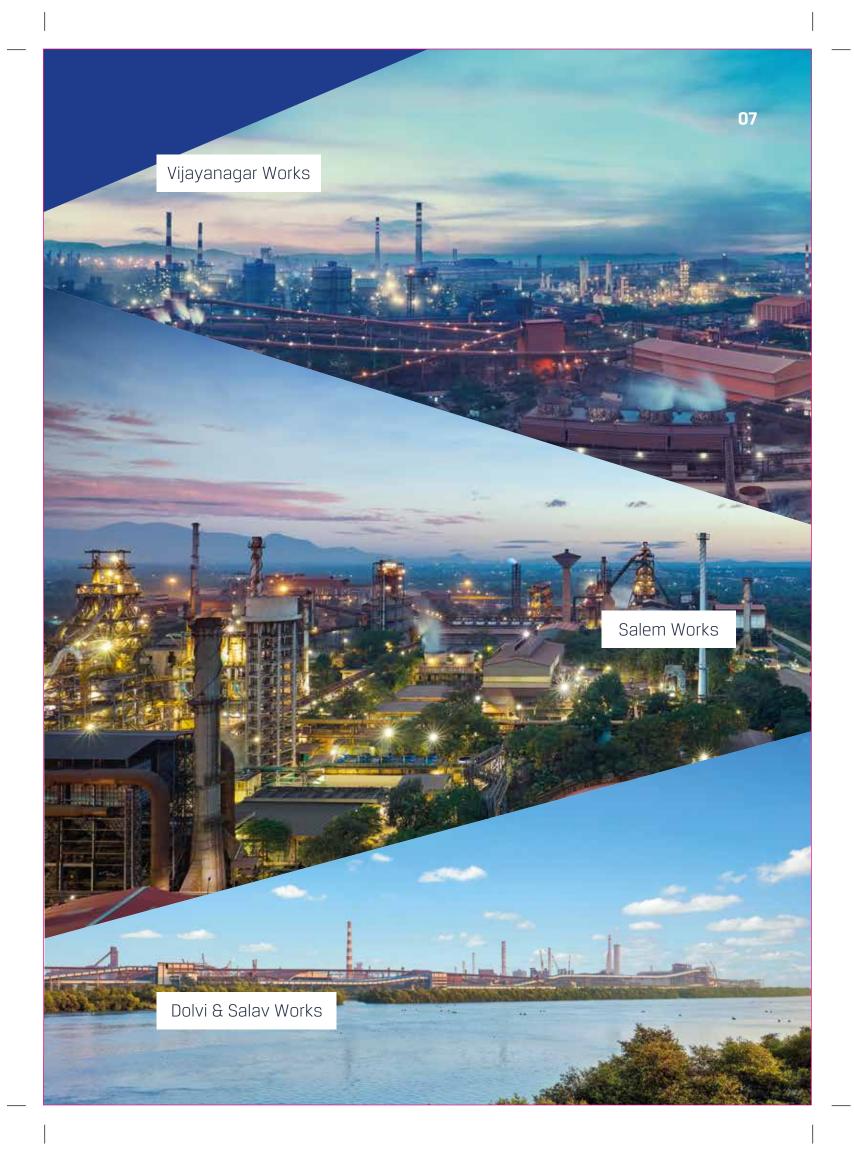
JSW Paints is a greenfield venture of the JSW group backed by cutting-edge technology, automation and scale that's comparable to leading players in the Indian paints sector. The company will manufacture and market both industrial coatings as well as decorative paints. In the decorative paints segment, the company will offer a complete range of only water-based paints for Interior & Exterior walls, wood & metal – various surfaces in homes.

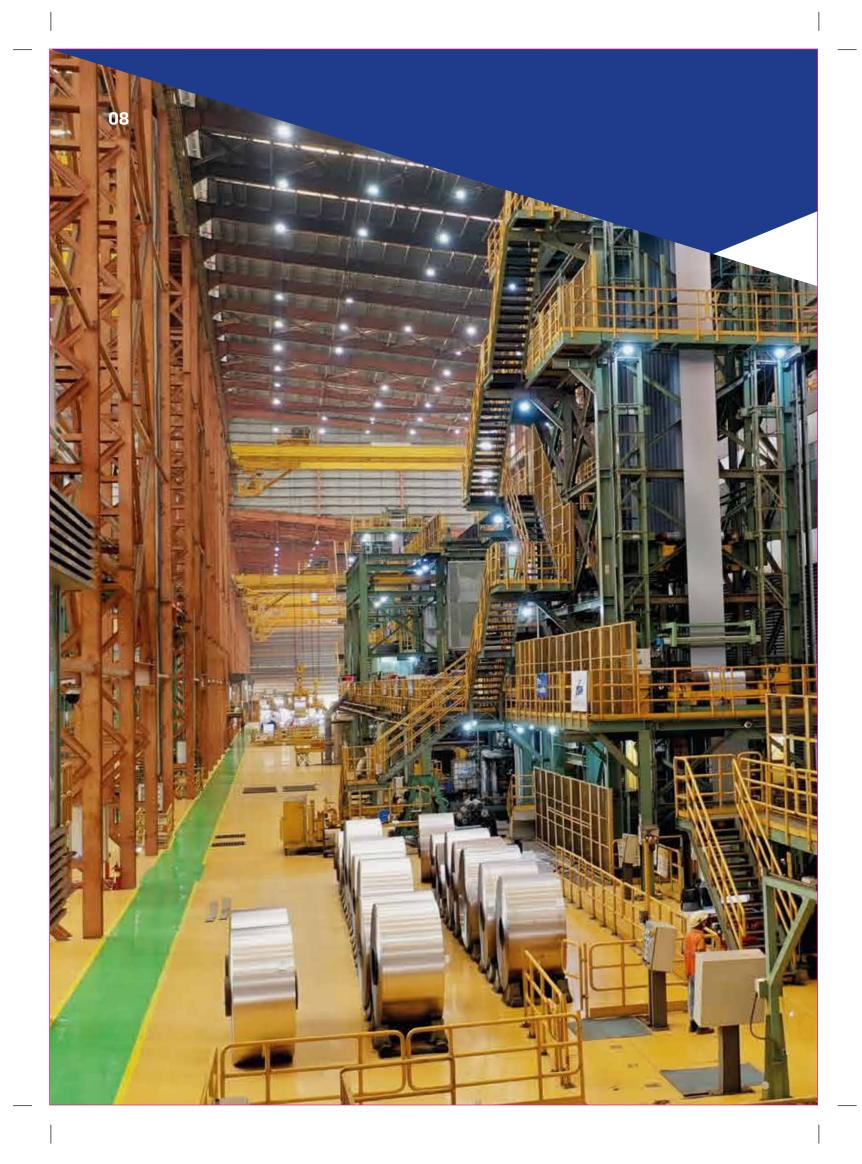
JSW Ventures is an early-stage, tech-focused, venture capital fund of JSW Group. JSW Ventures extends its partnership not just through capital, but through a commitment to build exceptional companies by developing growth strategies, improving financial functions, and providing access to the investor community and support from JSW Group's extensive resources.

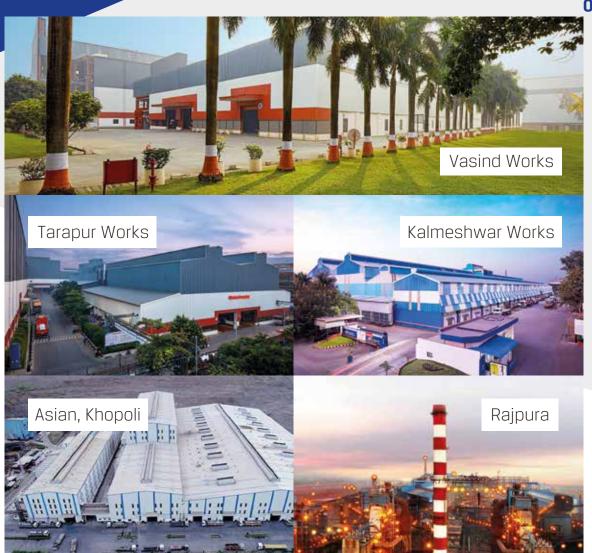
The JSW Group is committed to creating more smiles at every step of the journey. JSW Foundation, the Group's CSR and sustainability arm, is in constant pursuit of making life better for communities with its various initiatives in the fields of health, education, livelihood and sports, along with art and culture.

JSW Group is proud to be charting a course to excellence that creates opportunities for every Indian and leads to the creation of a sustainable, dynamic and developed nation.







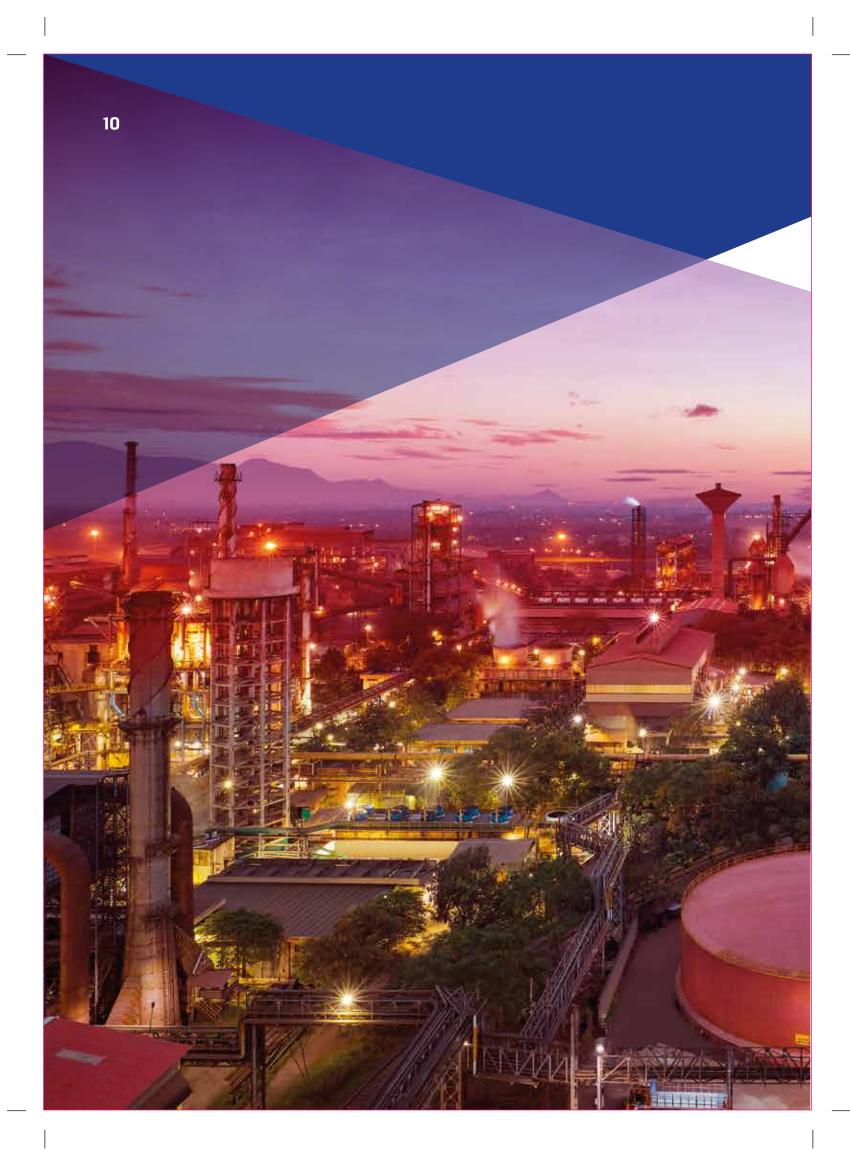


JSW Steel Coated Products Ltd.

company of JSW Steel, having state-of-the-art manufacturing facilities in the state of Maharashtra & in India. The Tarapur plant is specialized in manufac-Punjab.

JSW Steel Coated Products Ltd. is India's largest manufacturer and exporter of Coated Steel as well as Colour Coated Steel. The production facilities, Tarapur and Vasind Works, are located in the vicinity of major ports. The company's Kalmeshwar Works is centrally located near Nagpur to serve across regions.

JSW Steel Coated Products Limited is 100% subsidiary JSW Steel is an ISO 9001: 2008 Certified Organization and the first licensee producer for Galvalume® turing ultra-thin Coated Products. The company is also a manufacturer of appliance grade Colour Coated products. JSW Steel's Kalmeshwar Works is the first producer of Galvanized and Colour Coated Steel in India. JSW Steel also has established India's first Appliance Grade Line to manufacture Pre Coated and Vinyl Coated Metal.





Setting Benchmarks

- First continuous annealing line in India
- Widest Cold Rolling Mill (upto 1870 mm width)
- India's largest Coated Steel producer
- First Licensee Galvalume® producer in India
- JSW Steel Salem works is the largest integrated Alloy and Special Steel plants in India
- One of the widest Hot Strip Mills in India
- India's most modern and largest Vertical Caster-300/260/220 x 2200 mm
- India's only Multi-Radii Bloom Caster operational at Salem works
- ZERO EFFLUENT discharge for greener & cleaner environment
- India's largest Long Steel producer by installed capacity
- India's first Zn-Mg-Al alloy coated steel producer



Business & Operations

- Recognized as 'ET Iconic Brands of India for 2022' at the ET Iconic Brands of India Conclave
- Awarded 'Brand of the Decade Award' by BARC Asia
- Golden Peacock Award of CSR 2021 awarded to JSW Steel
- Recognized for 'Excellence in CX 2022' at the Economics Times CX Summit
- JSW Privilege club was honored as the Best Channel loyalty program at the Annual Customer Fest show 2022
- DX (Digital Transformation) award in the customer experience category by CII- Centre for Digital Transformation

Management

- BHEL Best Supplier Award, 2019
- Business Standard CEO of the Year Award, 2018
- Outstanding Business Leader of the Year CNBC-TV18, 2018
- Chief Finance Officer of the Year, 2018

Sustainability

- Awarded 'The Economic Times Sustainable Organization 2022' for adopting valuable sustainable initiatives
- Recognized as sustainability champion by World Steel Association for the 4th consecutive year
- JSW Steel Dolvi & Salem works won 3 platinum awards, at confederation of Indian Industry IQ national safety practice competition 2022
- 2021 CDP Climate Change assessment: Maintained leadership rating of A becoming the only company in India & Asia except Japan, to achieve a leadership level rating form the category
- JSW Salem became the first integrated steel plant in the world to achieve the British Safety Council 5 Star rating for health, safety & well being



JSW Steel wins the prestigious Deming Prize for its excellence in TQM.

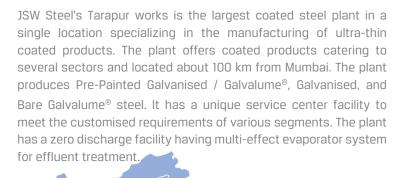
The JSW Vijayanagar Works is the largest single location integrated steel plant in the world to be awarded the prestigious Deming Prize for excellence in Total Quality Management (TQM) presented by the Union of Japanese Scientists and Engineers (JUSE).

Manufacturing Facilities

Vasind Works

Vasind works is located 70 kms from Mumbai. It is a full fledged complex with Cold Rolling, Galvanising and Colour coating facilities. Vasind works has India's first appliance grade Colour coating line, the grades of this line are approved by major white good manufacturers. It sources HR steel from Dolvi & Vijayanagar works to manufacture value added steel products.

Tarapur Works





The Vijaynagar plant of JSW Steel is the first integrated steel plant to reach 12 MTPA capacity at a single location in India. It is the first plant in India to use Corex technology for hot metal production. The first Hot Strip Mill at Vijayanagar was commissioned in 1997. Since then it has grown exponentially and now has an installed capacity to produce 12 MTPA of steel. Located 380 km from Bangalore in Toranagallu, North Karnataka - a part of the Bellary-Hospet iron ore belt - it is a fully integrated steel plant well-connected with both Goa and Chennai ports.

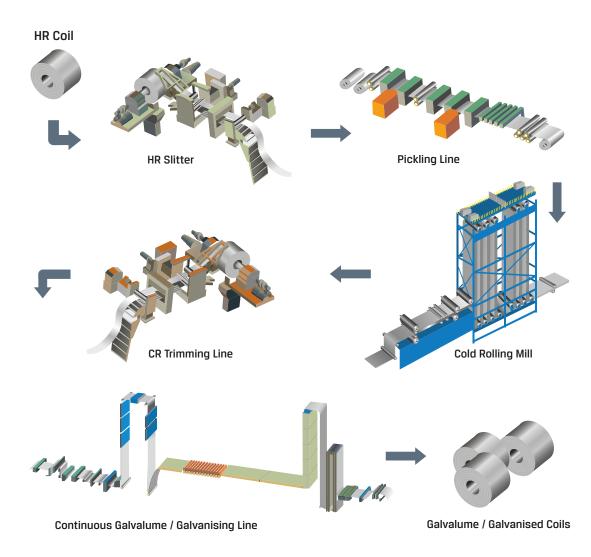
Kalmeshwar Works

JSW Steel's Kalmeshwar works is centrally located 30 kms from Nagpur to cater the requirements from all regions. It has galvanising capabilities to produce higher thickness and higher coating. The strict adherence to standards of excellence in quality has lead to attain many world renowned certifications to Kalmeshwar works. Kalmeshwar works is India's first coated steel manufacturing facility. It produces Galvanised, Galvalume®, Pre-Painted Galvanised / Galvalume® steel.

Manufacturing Process

galvanic protection, restricts its dissolution.

Galvalume® steel composition, which combines Galvalume® steel can be used for roofs of all the galvanic corrosion resistance of Zinc with types and pitches and can be employed for the barrier corrosion resistance of Aluminium, walls. It is recommended for any new building Corporation after an extensive research system is required. Excellent resistance to program. The coating's unique microstructure corrosion and good heat reflectivity make embeds Zinc rich areas within an Aluminium rich Galvalume® steel the preferred choice for farm matrix which, while allowing Zinc to provide building, roofing and siding applications. The appearance can be further enhanced with the use of pre-painted Galvalume® sheet.





Complete Solution for Solar Structures

JSW Galvos is an alloy coated product which nominally contains 55% Aluminum, 43.5% Zinc and 1.5% Silicon by weight applied by the hot-dipping process. The product is ideal for applications requiring superior corrosion resistance and heat reflectivity, typically required for building construction, appliances, agricultural equipment and several non-exposed automotive components

JSW Steel is the first Indian company to produce Galvalume®, coated steel (the coated product renowned for its excellent corrosion resistance and heat reflectivity) under a technology license from BIEC International Inc. USA.

With thicknesses ranging from 0.70 mm to 3 mm and yield strength from 350 to 550 Mpa, JSW Galvos is designed to meet the complete requirements of solar structures. We are offering solar mounting solutions of all sizes ranging from small kW scale to large multi-MW scale projects which are specifically designed to combat inclement weather in any climate. For the past several years, we have dedicated ourselves to improving the durability and quality of our products to ensure that they can withstand the harsh environments.

For challenging environments like usage in concrete and C4 & above environments, it is advisable to coat the structure with Epoxy/PU coating before installation. The benefits of this protective layer are:

Acting as a physical barrier between aggressive environment and base substrate

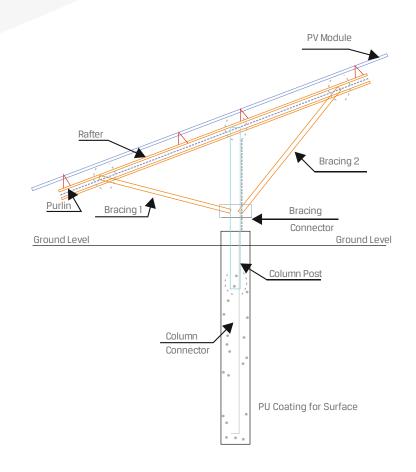
Inherent anti corrosive properties

Extremely hard and resistant to friction

Particularly resistant to diluted acids, alkalis, Petroleum products, to some solvents, water, sea water

Prevent oxidation of substrate and thereby corrosion

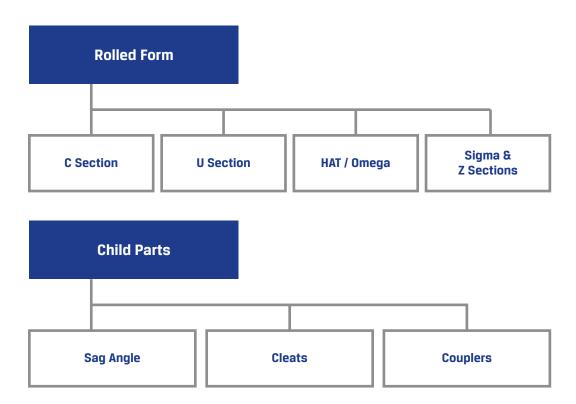
17





19

Our multi component offerings include:



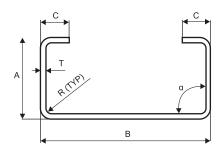
Advantages:











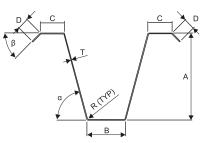
C Section

Thickness 0.50-3.5 mm
Web (B) 40-300 mm
Flange (A) 25-100 mm
Lip (C) 5-30 mm
D -

Bending degree

O/P Per Day With Lip - 1800 No.s

W/O Lip - 3500 No.s (Upto 4000 mm) 2500-6000 No.s (Upto 12000 mm)



HAT

 Thickness
 0.50-3.5 mm

 Top Flange (B)
 25-150 mm

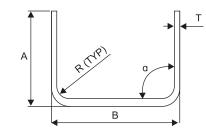
 Height (A)
 30-150 mm

 Bottom Flange (C)
 15-40 mm

 Lip (D)
 3-25 mm

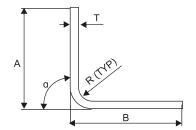
 Bending degree
 50,65,75 & 90

 0/P Per Day
 3500-5000 No.s



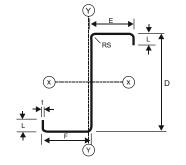
U / Channel Section

Thickness 0.80-3.5 mm
Flange (B) 15-100 mm
Web (B) 15-200 mm
Angle 90



Angle Section

Thickness 0.90-3.5 mm
Flange (B) 20-100 mm
Web (B) 20-200 mm
Angle 90



Z Section

Thickness 1.60-3.5 mm
Flange (D) 49-56 mm
Web (E,F) 80-300 mm
Lip (Angle) 45-90

21

Solar Panel installation on concealed system profiled Roof

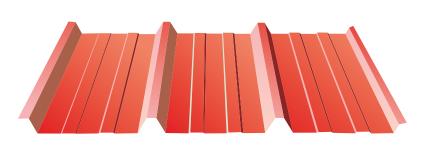




Steps of Installation:

- 1. The Roofing sheets are fixed over specially designed concealed fixing clip mostly manufactured from hi-tensile Aluminium
- 2. 'S5' type Aluminium clamps should be fixed on roofing sheets with the help of bolts.
- 3. Solar panels should then be installed on the profile.

Solar Panel installation on Trapezoidal Profiled type Roof





Steps of Installation:

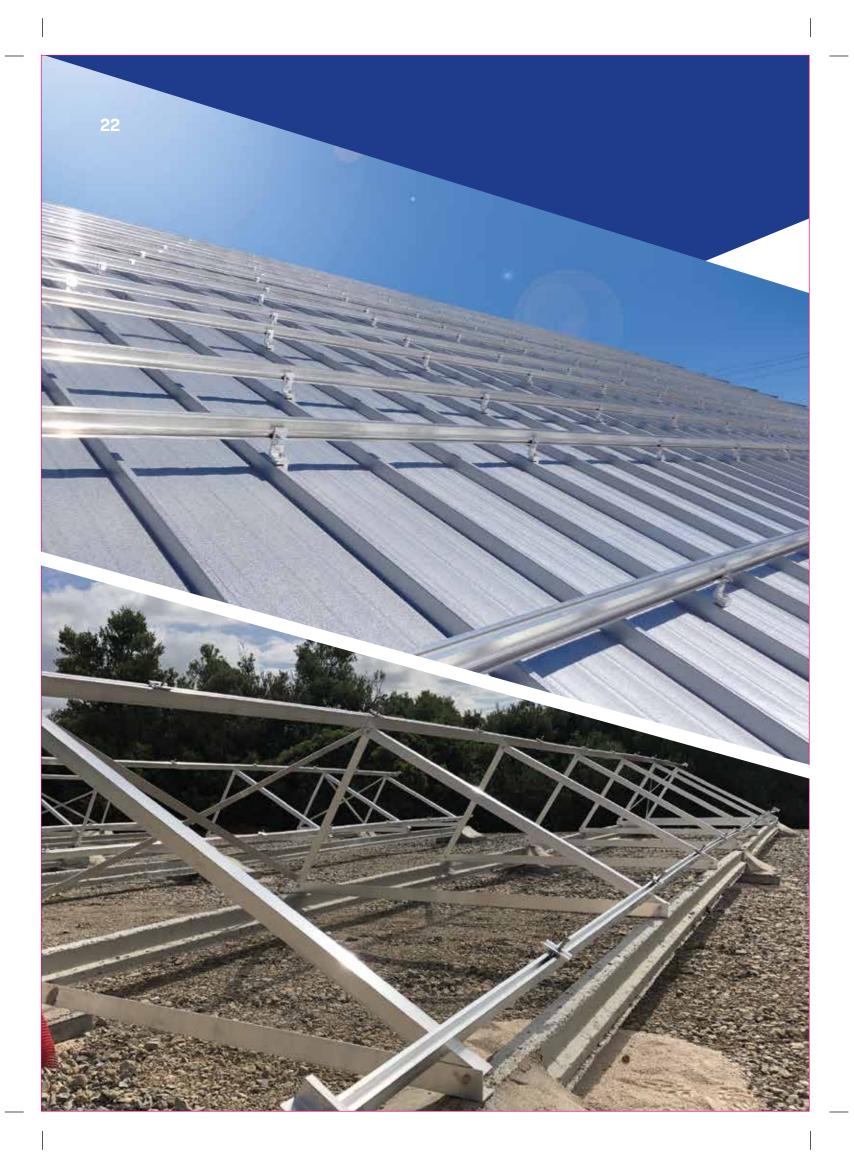
- 1. Clamps should be fixed on the roof with the help of fasteners by puncturing the roof for clip installation.
- 2. The Solar panel is installed on clamps.

Technical Specifications

	In Line Coating (P	re Galv)	Hot Dip Galvanising (Post Galv)		
Product	Coating	Thickness	Coating	Thickness	
Galvalume [®]	AZ150 / AZ180 / AZ210	upto 3.0 mm	N/A	N/A	
Galvanised	Upto Z600	upto 3.5 mm	Upto Z1500	upto 6 mm	

Referance Standard	Grade	Yield Strength (Mpa), Minimum	Tensile Strength (Mpa) Minimum	% Elongation Minimum	Thickness mm As per Standard	Width (mm) - Mill edge , Tolerance -0/+5 mm	Slit Width Tolerance -0/+0.5 mm	AZ Coating (GSM)
ASTM A792	Grade 50 Class -1	340	450	12	0.70 to 3.00 mm	1550 Max	As per customer requirement	AZ150 / AZ200
	Grade 50 Class -4	340	410	12	0.70 to 3.00 mm	1550 Max	As per customer requirement	AZ150 / AZ200
	Grade 80 Class -1	550	570	NA	0.70 to 3.00 mm	1550 Max	As per customer requirement	AZ150
IS 15961	YS 300	300	340	20	0.70 to 3.00 mm	1550 Max	As per customer requirement	AZ150 / AZ200
	YS 350	350	420	15	0.70 to 3.00 mm	1550 Max	As per customer requirement	AZ150 / AZ200
	YS 450	450	480	8	0.70 to 3.00 mm	1550 Max	As per customer requirement	AZ150 / AZ200
	YS 550	550	550	NA	0.70 to 3.00 mm	1550 Max	As per customer requirement	AZ150

Class 1 - Min YS 340 Mpa and TS 450 Mpa Class 2 - Min YS 340 Mpa and TS not defined



The JSW Galvos Promise



Branded BGL with Liner Marking of JSW GALVOS

• The assurance of the genuineness of the product



Close & customized Tolerances

- Flexibility in product tolerances, within the capability of the plant
- Customized product in line with the design requirements of the structures



Prioritized Order Scheduling

- Timely supply of all parts.
- Fast-tracked orders
- Priority over other orders in line with project timelines



Rush order support

- Sudden project requirements supportAgile and time bound
- project delivery



Customized Supply Schedules

- Manufacturing customized product thickness and proportions (ranging from 0.8 to 2mm)
- Customized supply schedules



In-House NABL Certified Testing

- Fully equipped plants with NABL certified testing equipment,
- Ensuring high degree of accuracy



Storage, Handling and Maintenance

- Coil handling with 'C' hook padded with woolen felt
- The floor should be flat & clean
- Always keep the material in a dry, shaded and good ventilated area, avoid mud, water, rain etc.
- If not required for immediate use, provide cover to protect the material
- If sheets, coils or formed parts become wet during storage, it should be separated without delay & surface moisture removed with clean cloth. The steel sheets, coils or formed parts then should be stacked so that air circulation completes the drying process
- Do not use tight fitting plastic-type covering as packets/coils covers, while they may provide protection from heavy downpours, they will retard necessary ventilation and trap heat and moisture & may accelerate metal corrosion
- Under no circumstances should the material be stored near or come in contact with salt water, corrosive chemicals, ash or fumes generated or released inside the building or nearby plants, foundries, plating works, kilns, fertilizer and wet or green lumber
- Material to be kept slightly above the ground by using wooden rubber plank
- Do not slide sheet, coils and formed parts on rough surface or over each other
- It is recommended to apply Zinc spray on the slit edges and punched hole area of JSW Galvos

Packaging

JSW Steel offers effective packaging as per your requirements and complies with international norms. Emphasis is placed to ensure durability, prevention of any damage during transportation, and better storage.

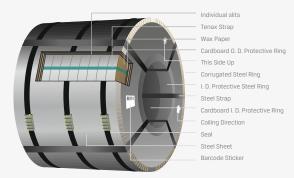
Eye to Sky Packing



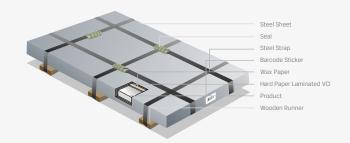
Eye to Wall Packing



Slit - Master Coil Packing



Sheet Packing

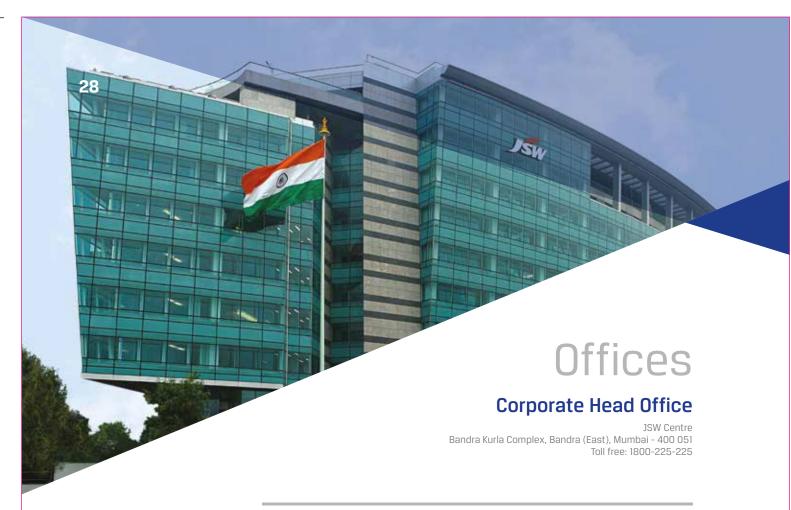












Sales Offices

Ahmedabad

Office no. 501 & 502 Mondeal Heights, B-wing Iscon Cross Road, Near Novotel Hotel, opp. Karnavati Club, S. G. Highway, Ahmedabad-380 054 Mobile: 09427334449 Tel: 079-49000270/271/272/273/274/275

Bengaluru

3rd Floor, West Wing, 121, Dickenson Road. Bengaluru - 560 042 Tel: 080-42448888

Chennai

5th Floor, KRM Plaza, No. 2, Harrington Road, Chetpet, Chennai - 600 031 Tel: 044-28297420, 28297422

Coimbatore

T. V. Swamy Road (West), Coimbatore - 641 002 Tel: 0422-2541870

Delhi

NTH Complex (4th Floor). A-2, Shaheed Jeet Singh Marg, Outub Institutiuonal Area, New Delhi - 110016 Tel: 011-48178600 | Fax: 011-48178699

Faridabad

Piyush Global I Building 1st Floor, Plot No.5, Opposite Escorts Mujesar Metro Station Main Mathura Road, NH-2, YMCA Chowk, NIT Faridabad - 121006, Haryana Tel: 0129-2239248, 2232387

Noida

14A, Industrial Area, Buland Shar Road, Ghaziahad - 201 009 Tel: 0120-3262875, 2867142

106, 3rd Floor, Meer Market, Maszid Lane, Kamarpatty, Guwahati - 781 001 Tel: 0361-2730054

Hyderabad

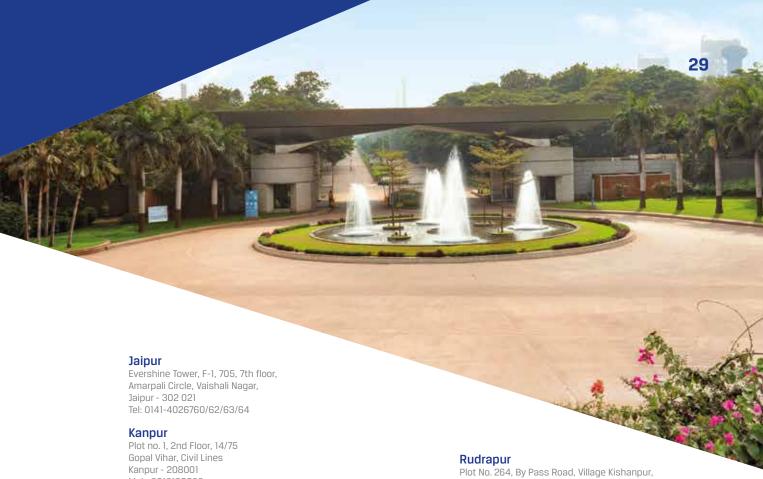
Babukhan Millenium Centre, 63-1099 /1100, 7 th Floor, Block - A, Somajiguda, Hyderabad - 500082 Tel: 040-27846669/79

Indore

3rd Floor, Lakshya Badgara, 13/1, New Palasia, Near Curewell Hospital, Indore - 452 001 Tel: 0731-2532156/57/58/59, 4043613

Jaipur

Evershine Tower, F-1, 705, 7th floor, Amarpali Circle, Vaishali Nagar, Jaipur - 302 021 Tel: 0141-4026760/62/63/64



Mob. 9810125599

Mitsun Enterprise, 30/1854 B4, 1st Floor, Ponnurunni Road, Chalikkavattom Junction, Vytilla P.O., Kochi - 682 019 Tel: 0484-4026392/4063294

Kolkata

Godrej Waterside, 10th floor, Tower - 1, Unit No. 1003, Block - DP, Plot - 5, Sector V, Salt Lake City, Kolkata - 700 091, Tel: 033-40002020

Ludhiana

3rd Floor, SCO 7-8 Canal Colony, Pakhowal Road Ludhiana - 141001 Tel no. (0161) 6611700

Mumbai

Grande Palladium. 6th Floor, 175, CST Road, Kalina, Santacruz (East), Mumbai - 400 098 Tel: 022-61871000

Nagpur

Poonam Plaza, Palm Road, Civil Lines, Nagpur-440 001 Tel: 0712- 2520333

1, Tilak Nagar East, Behind Patna Diesel, Kankarbagh, Patna - 800 020 Tel: 08002230517

Epicentre, 2nd Floor, CTS No. 4/6, Above Royal Enfield Showroom, Shivajinagar, Wakdewadi Pune - 411005 Tel: 020-64104547, 27111427

Kichha, District Udam Singh Nagar, Uttrakand - 263 148 Tel: 05944-263290

Middle East Office

JSW Steel Ltd. (DMCC Branch)

Unit 309 | X - 3 Tower | Jumeirah Lakes Towers Dubai, UAE P.O. Box # 33650 Tel.: +971 4 4385286 Mobile: +971 55336097

USA Offices

JSW Steel USA Baytown

5200 East McKinney Road, Baytown, Texas 77523, Tel.: 281-383-5100 sales@iswsteel.us

JSW Steel USA Ohio

1500 Commercial Avenue, Mingo Junction, OH 43938 Mobile: 740-535-8172

Italy Office

JSW Steel Italy

Largo Caduti Sul Lavoro 21 57025, Piombino Ll, Italy Tel: +39 0565 64111