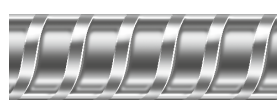
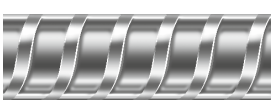


CREDENTIAL



S E L®

 **TMT RE-BAR** 

NABL APPROVED QC LAB



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TMT RE-BAR

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Growth is the buzzword in today's market-driven economy. When it comes to polarization of economies across the globe, South East Asian countries are at their emerging best. India with its soaring GDP, foreign investments and skilled human resource, is the most potent and has been identified by experts as the next economic super power.

We at Shyam Group of Industries have been partnering India in her stupendous escalation. Strategically developed infrastructure is a universally accepted prerequisite of growth. We specialized in manufacturing key elements of infrastructure. We ensure benchmark quality in every aspect of development, Giving our nation the best products.

Growth, however, for the Shyam Group of Industries does not only comprise infrastructural development. It also means development of the people, of the peripheries where we operate from, of the society as a whole. Therefore we, at the Shyam Group of Industries, put in meticulous effort to strengthen the local economies by providing employment and encouraging micro-entrepreneurship.

The future belongs to a vibrant India throbbing with actions and acclaims. We dedicate our future to the progress of our Nation and people who are associated with us.

With best wishes

A handwritten signature in black ink, appearing to read 'Bhushan Agarwal', with a long horizontal stroke extending to the right.

Mr. B. Bhushan Agarwal

Vice Chairman and Managing Director

Shyam Group of Industries is a vibrant conglomerate with multi-dimensional, multi-locational and multi-product activities including Steel, Ferro Alloys, Cement, Power, Coal Washery, Plyboards and Laminates, Infrastructure and Mining.

Shyam Group of Industries was established in 1991 and has a group experience of 15 years in Steel & Ferro Alloys Industries with a successful journey towards manufacturing quality products in India. Shyam Group of Industries has significant business presence across the Eastern and North-Eastern Region of India. Shyam Group is the leading steel producer in the state of West Bengal under Secondary sector in manufacturing activities of Sponge Iron, Ferro Alloys, Flat Products, Structural's, Construction Bars with a turnover of Rs. 5000 crore. The Group has multiplied its activities with a global focus in terms of productivity and integration. Shyam Group is now in the process of setting up power plants at various locations for captive consumption and has a long-term view towards the power sector in India. Shyam Group is also interested in setting up cement plants near to the power plants where it will use the available fly ash, from the power plant. The group has earned an appreciative clientele in the Indian market as well as the overseas market in Poland, Netherlands, Italy, UAE, Taiwan and others. We have existing power plants at Byrnihat (Meghalaya), Mangalpur (West Bengal) and Sambalpur (Odisha). Also we have proposed various power plants at various places which are under erection process; this includes Rengali (Orissa), Burdwan (West Bengal) and Lumshong (Meghalaya). We are in a process to set up Hydro Project in Chel (West Bengal)

Product Range

*Sponge Iron, MS Billets, TMT Re-Bars (**S-E-L**), Structural Steels, Ferro Alloys, S-E-L Zigma(**CRS**), Cement (**STAR**), Round Wire Rods, Pipes.*

Corporate Vision

- *To ensure an optimum ROI to the stake holders.*
- *To strengthen the economy of the community.*
- *Exploring new avenues of eco-friendly manufacturing process in all ventures.*
- *Futuristic growth curriculum to encourage more investments.*
- *Aspiration to spread the goodwill of our Nation.*

Corporate Mission

- *To sustain a steady profitability curve year on year.*
- *To reach the premier position in the infrastructure sector in India.*
- *To increase our volumes and diversify our operation to enhance the economic development of our Nation, provide our customers ultimate satisfaction by way of service and thereby generating a loyal customer base at home and abroad.*

Structural Steel: We have recently started a Structural Steel mill in our Sambalpur Plant with an installed capacity of 100000 MT per annum making **Angles, Channels and Joists**. All finished goods are made as per IS 2062 standard with strict quality controls at every stage. We are rolling 100% tested Billets from our own SMS Division to manufacture sections of highest quality. Our Quality Control Inspectors and Facilities of physical and chemical testing ensure the quality of the material in all respects. All dimensions are strictly within the tolerance levels avoiding wastage of materials and good quality raw material gives good tensile strength ensuring a long life for the material.

Our Product Range:

MS Angles : 90 X 90 X 6 mm to 130 X 130 X 16 mm
MS Joist : 150 X 75 mm to 250 X 125 mm
Ms Channel : 100 X 50 mm to 200 X 75 mm

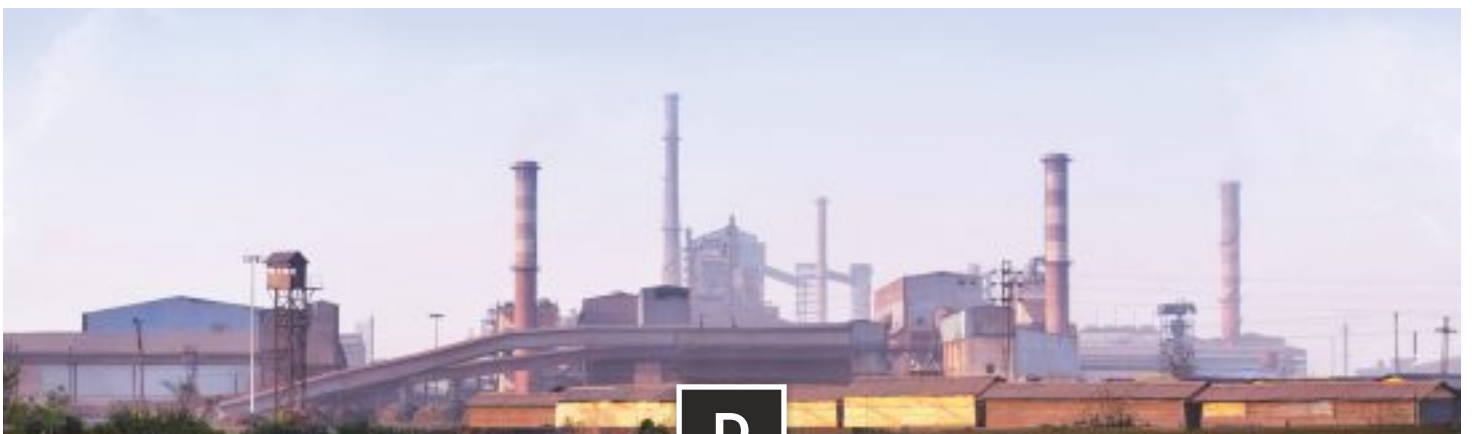
It is our prerogative to develop new and good quality products and service for our customer through a balanced assimilation and innovative design technology. The quality and performance of our groups' product in the global marketplace are well recognized. We are an **ISO 9001 : 2000** company. In the year 2005 we have received the prestigious **Dhatu Nayak Award** and the company is also recognized by **EEPC (Engineering Export Promotional Council)** of India.

Salient Features of Structural Steel:

- Structural Steels are all ISI Marked
- Accredited with ISO 9001, ISO 14001 & ISO 45001
- Billets & Blooms are manufactured in Technological collaboration with Concast AG, Zurich, in the size of 100, 125, 150, 200 & 250 mm.
- Licensed with BIS for 2062.
- Manufacturing 100000 Ton per Annum Structural Steels of various categories (i.e. Angle, Channel & Beam).
- Latest Spectrometer is used in day to day Production and Quality Control.

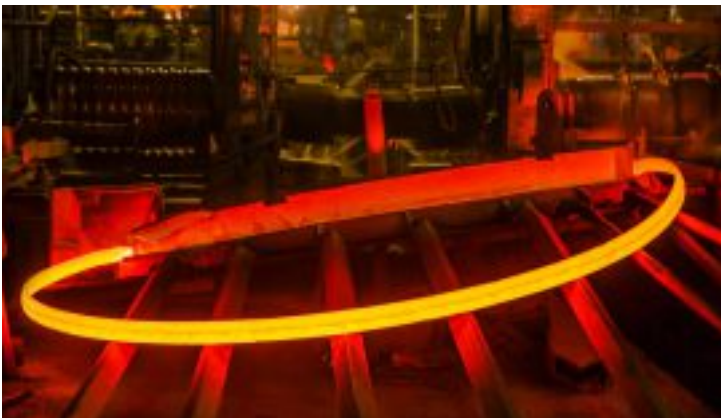


SNAPSHOT OF FULLY INTEGRATED STEEL PLANT AT RENGALI, ODISHA IN 600 ACRE LAND



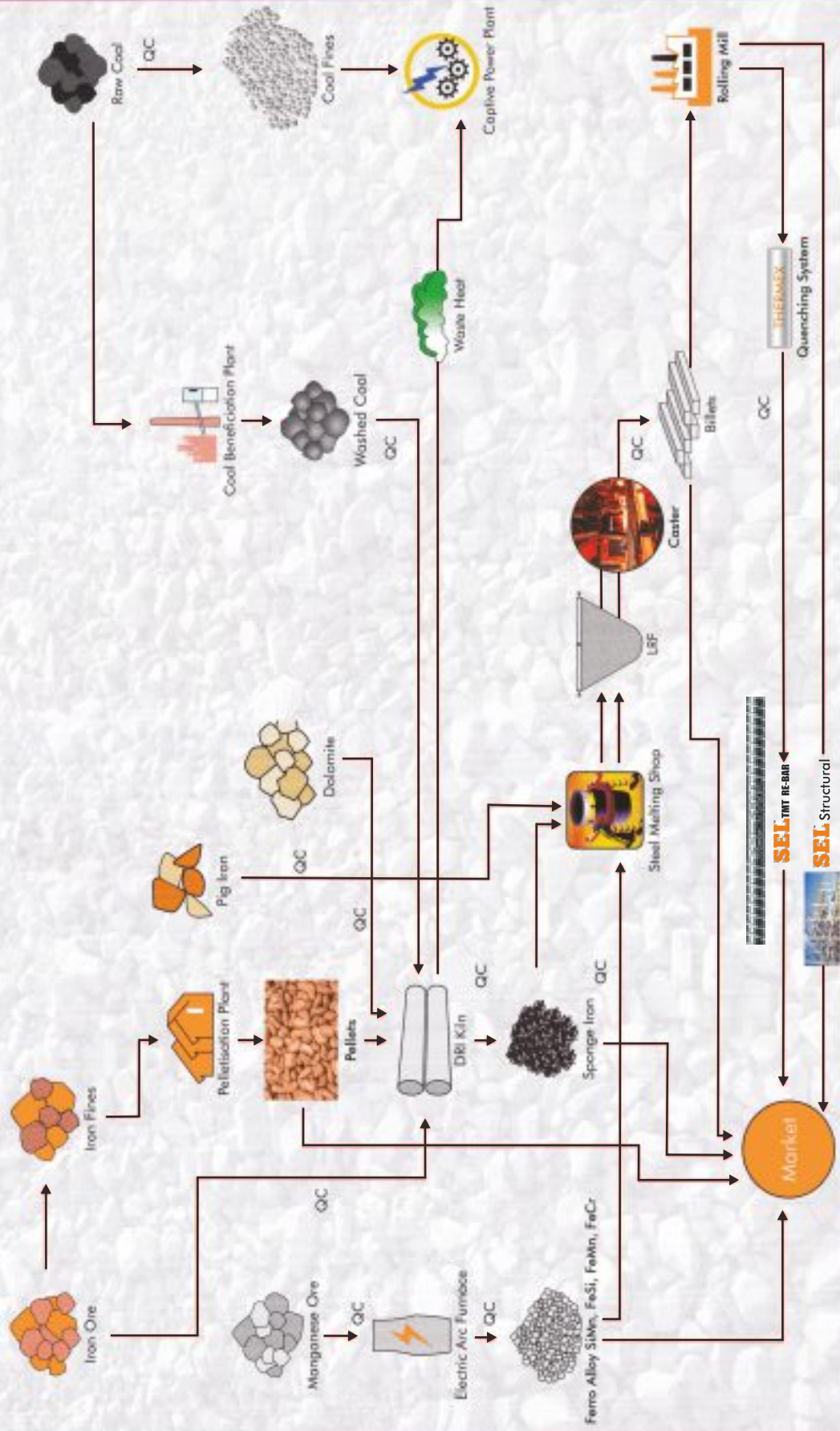


SNAPSHOTS OF PROCESSING IN PLANT USING 100% TESTED BILLETS



SEL[®] TMT RE-BAR PROCESS CHART FROM MINES TO METALS

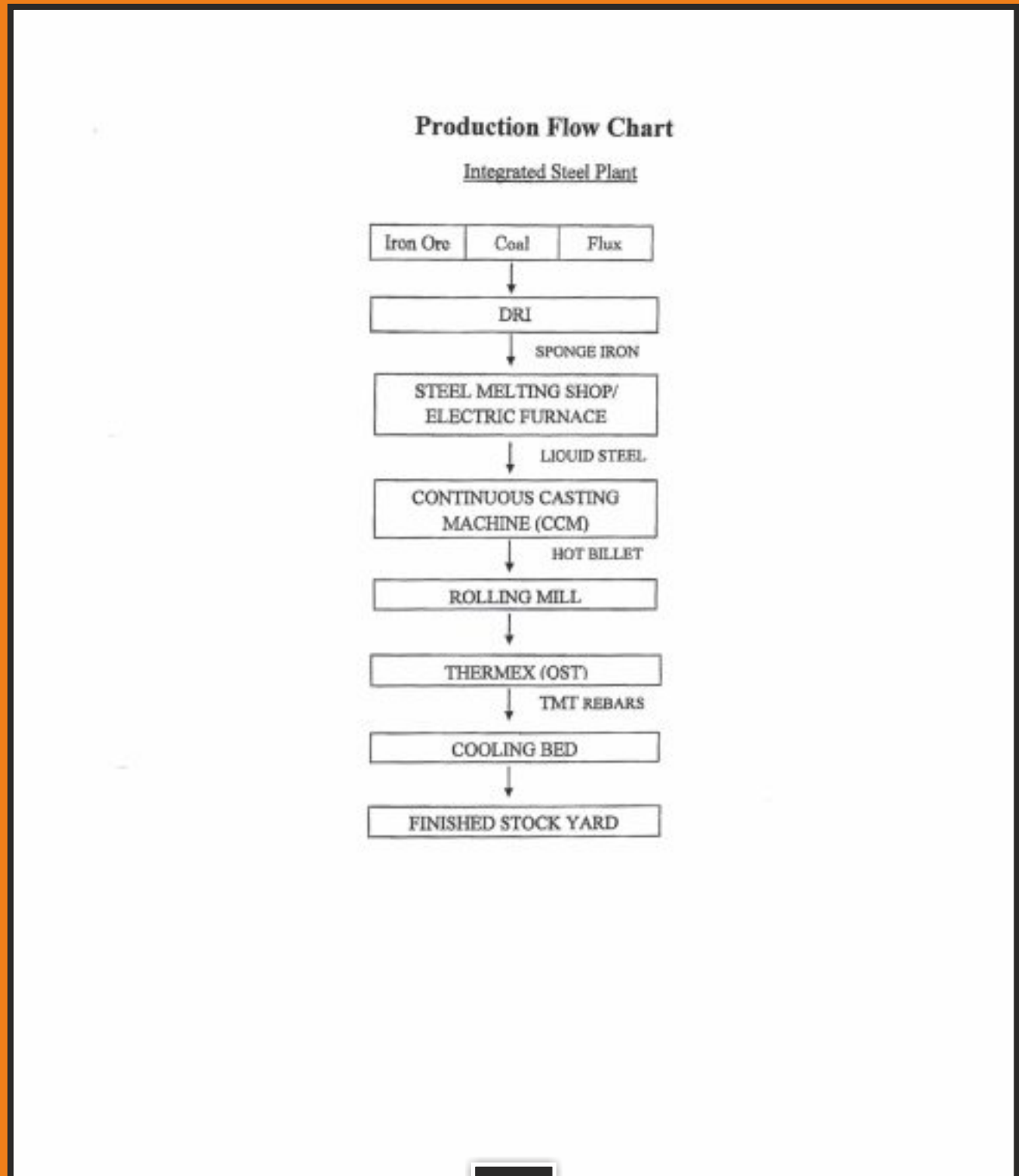
TMT RE-BAR





TMT RE-BAR

PRODUCT FLOW CHART





TMT RE-BAR

PRODUCT FLOW CHART

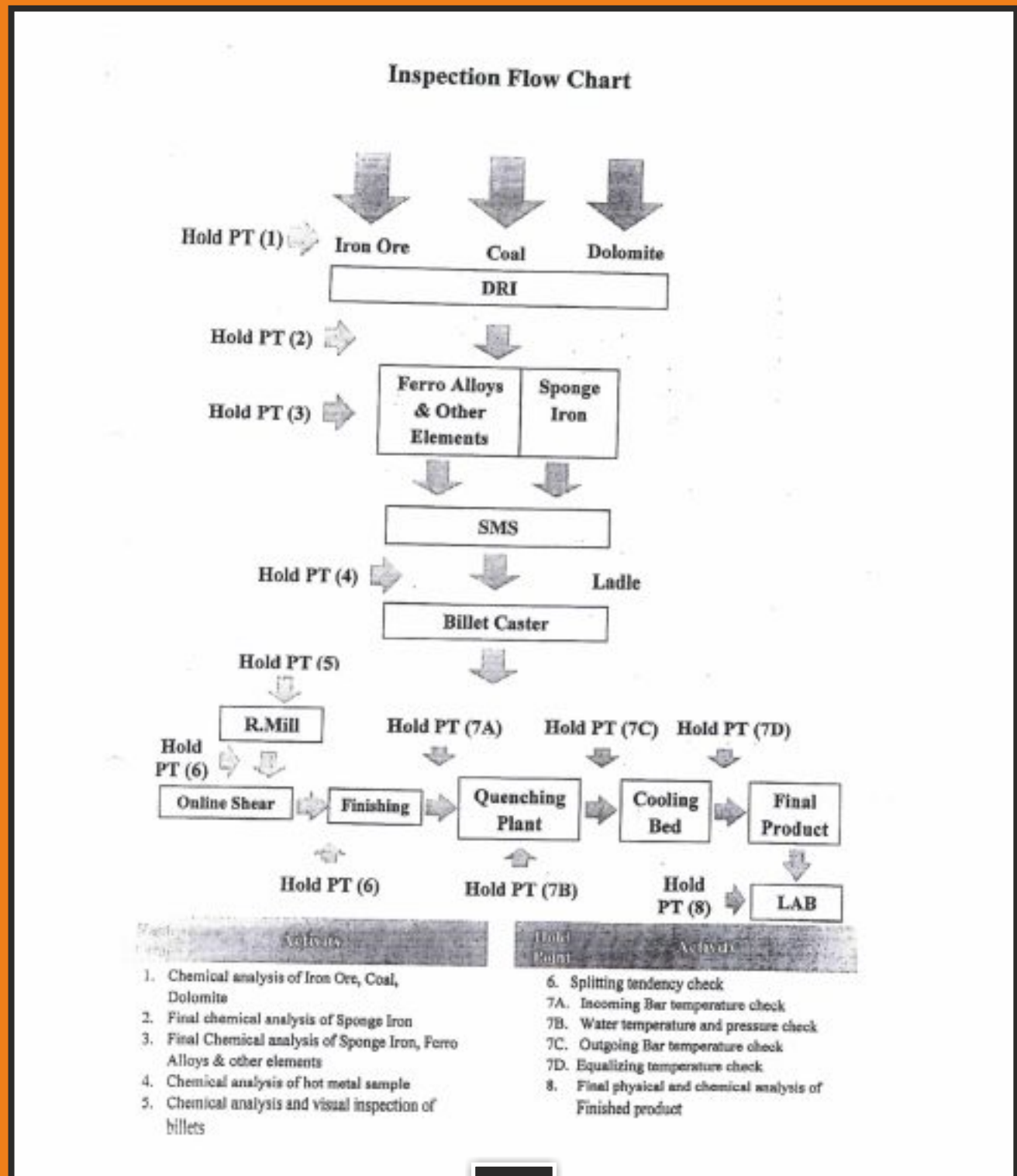
Production Flow Chart





TMT RE-BAR

PRODUCT FLOW CHART





TMT RE-BAR

INTERNAL TEST CERTIFICATE

SMEL/RM/QC-06

IS : 1785


CML-5363162

SHYAM METALLICS

ORE TO METAL

SHYAM METALLICS AND ENERGY LIMITED

At-Pandit, P.O-Lapanga, P.S- Rengali

Sambalpur-768212 (Odisha)

Date:- 03.02.2021

TEST CERTIFICATE FOR: HIGH STRENGTH DEFORMED STEEL BARS AND WIRES FOR CONCRETE REINFORCEMENT.
(Thermex Manufactured in Technical Collaboration with HSE Germany, H & K, Rolling Mill Engineering Pvt. Ltd.)

Test Certificate No. 2302

M/s:- ASSOTECH SUN GROWTH ARODE LLP, BHUBANESWAR

We certify that the material described below fully conforms to IS-1786-2008 Chemical Composition and mechanical properties of the product as tested in accordance with the Scheme of Testing and Inspection contained in the ISI certification marks License No. CML- 5363162 are as indicated below against each order.

(PLEASE REFER TO IS-1786-2008 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Order No. & Date	Sectional Size	Cast / Lot No.	Qynt. (MT)	Date of Testing	CHEMICAL COMPOSITION					MECHANICAL PROPERTIES							Remarks
					% C	% S	% P	% S & P	% CE	Nitrogen Content %	0.2% Proof Stress N/mm ² (Min)	0.2% Proof Stress N/mm ² (Max)	Tensile Strength N/mm ²	TS / YS Ratio	% Elongation	% Total Elongation at maximum	
	68 mm	03A2108	10.050	03.01.21	0.19	0.031	0.039	0.070	0.29	0.005	534	598	660	1.17	19.9	6.9	OK
	16 mm	20A2116	10.050	20.01.21	0.17	0.028	0.037	0.065	0.29	0.005	527	590	640	1.17	19.3	7.0	OK
	20 mm	08A2120	10.060	08.01.21	0.18	0.023	0.038	0.061	0.29	0.005	524	588	644	1.15	19.6	8.1	OK

Remarks: SHIPPING ADVICE NO.
WAGON / LORRY :OD02AB-1198
Invoice No:- DS2120073214
Date:- 03.02.2021

SHYAM METALLICS AND ENERGY LTD.


Quality Control Manager

(The Material supplied contains to standard Rolling and Weight tolerance.)

J

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TMT RE-BAR

QUALITY ASSURANCE PLAN

RAW MATERIAL										
Sl. No.	Requirement	Test Method Clause		Levels of Control		Instrument Used	Acceptance Norms		Record Maintained	Remarks
		Clause	Reference	No. of Sample	Lot Size		Frequency	min		
1	Freedom from defects	9.1 to 9.2	IS:2830	Every Heat	Randomly	Visual check	Surface should be free from cracks			
2	Dimension	11.1 to 11.3	IS:2830			4 to 5 pcs.	Each Heat	Vernier	As per Specification	
3	Length		IS:1786	4 to 5 pcs.	Each Heat	Steel Tape	As per requirement			
4	Ladle Analysis	4.0 to 4.2	IS:1786 & IS:228	2	Each Heat	Spectrometer	As per Specification			No chemical analysis is required if billets are accompanied by test certificate or ISI Marked
5	Product Analysis	4.0 to 4.2	IS:1786 & IS:228	1	Each Heat	Spectrometer	As per Specification			
FINISHED MATERIAL										
6	Freedom from defects	4.3.1 to 4.3.2	IS:1786	Adequate inspection to ensure each item to be free from defects		Visual check	Surface should be free from cracks			
7	Sectional Weight, Dimension	6 & 7	IS:1786	Adequate inspection to ensure each item to be within limit of the standard		Balance & Steel Tape	As per Specification / Customer P.O			
8	Deformation and Surface Characteristic	5.2 to 5.6	IS:1786	2	Each Lot	Scale, Vernier, Angle	As per Specification			
9	Tensile Test	8.1 to 9.2	IS:1786 & IS:1608	2	Each Heat	UTM, Vernier, Steel Tape	As per Specification / Customer P.O			
10	Bend Test	8.2 to 9.3	IS:1786 & IS:1599	2	Each Heat	UTM, Mandrel	As per Specification / Customer P.O			
11	Rebend Test	9.4	IS:1786	2	Each Heat	UTM, Mandrel	As per Specification / Customer P.O			
12	% Elongation	3.3	IS:1786 & IS:1608	2	Each Heat	UTM, Vernier, Steel Tape	As per Customer requirement			
13	% Elongation at Maximum force	3.9	IS:1786 & IS:1608	2	Each Heat	UTM, Vernier, Steel Tape	As per Customer requirement			
14	Pull-out Test	5.7 & 8.3 (Pt-1)	IS:1786 & IS:2770 (Pt-1)	2	The frequency of bond strength test as required in 5.7 shall be as agreed to between the Manufacturer and the purchaser/testing authority or adequate inspection to ensure each item to be within the limits of the standard.					

Re-Tests: If a test does not conform to specified values, two additional tests shall be carried out at random on the same lot. Both retest shall conform to the requirements of this standard; otherwise, the lot shall be rejected.

Issued & Controlled By: MR

Approved By: QC - Head

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TMT RE-BAR

QUALITY ASSURANCE PLAN

SHYAM
METALS

ORE TO METAL

Shyam Metals and Energy Limited

QUALITY ASSURANCE PLAN FOR STRUCTURE MILL SECTION

Doc.No. : SMEL/QAC/08

Issue No. : 01

Issue Date : 29.07.2018

Rev. No. : 01

Rev. Date : 08.08.2017

RAW MATERIAL									
Sl. No.	Requirement	Test Method Clause Reference	Levels of Control		Instrument Used	Acceptance Norms		Record Maintained	Remarks
			No. of Sample	Lot Size		min	max		
1	Freedom from defects	9.1 to 9.2	Every Heat		Visual check	Surface should be free from cracks			
2	Dimension	11.1 to 11.3	4 to 5 pcs.	Each Heat	Vernier	As per Specification			
3	Length		4 to 5 pcs.	Each Heat	Steel Tape	As per requirement			
4	Ladle Analysis	8.1	1	Each Heat	Spectrometer	As per Specification			No chemical analysis is required if billets are accompanied by test
5	Product Analysis	8.2	1	Each Heat	Spectrometer	As per Specification			
FINISHED MATERIAL									
6	Freedom from defects	7.1 to 7.3	Adequate inspection to ensure each item to be free from defect		Visual check	Surface should be free from cracks			
7	Sectional Weight	8	2	Each Heat	Balance & Steel Tape	As per Specification / Customer P.O			
8	Tensile Test	10.1 to 10.3	2	Each Heat	UTM, Vernier, Steel Tape	As per Specification / Customer P.O			
9	Bend Test	11.1 to 11.3	2	Each Heat	UTM, Mandrel	As per Specification			
10	Impact Test	12.1 to 12.4	3	Each Heat	UTM, Brooming Mc	As per Specification / Customer P.O			One sample shall be taken from thickend product per heat
11	Y Groove Crackability Test	13	If specifically agreed between purchaser and manufacturer			As per Customer requirement			
12	Other Tests: Non destructive testing, metallurgical tests	14	Subject to mutual agreement between purchaser and manufacturer			As per Customer requirement			
13	Dimension	15 & 16	2	Each Heat	Vernier & Micrometer	As per Specification / Customer P.O			Unless otherwise agreed between purchaser and manufacturer

Note: Tests: If a test does not conform to specified values, two additional tests shall be carried out at random on the same lot. Both retest shall conform to the requirements of this standard; otherwise, the lot shall be rejected.

Issued & Controlled By: MR

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TMT RE-BAR

CALIBRATION CERTIFICATE

Sl. No.	Name of equipment	Identification Mark	Make	Range	Resolution	Certificate No.	Calibration on	Calibrated by	Next Calibration Date	Remarks
1	Thermocouple	SMEL/RM/TC-01	K	UP to 1200°C		YEA(C)/210621A/S2459/001	21.06.2021	YECSP	22.06.2022	OK
2	Thermocouple	SMEL/RM/TC-01	K	UP to 1200°C		YEA(C)/210621A/S2459/002	21.06.2021	YECSP	21.06.2022	OK
3	UTM	SMEL/RM/UTM-01	FIE Pvt Ltd	0-600 kN	0.1 kN	UT-UC/2019-20/E-621	20.09.2020	BLUE STAR	20.09.2021	OK
4	UTM	SMEL/RM/UTM-01	Krystal Industries	0-1000 kN	0.2 kN	CE-19-04/075/S/584/01N/sp	04.06.2021	Castro Engg. Pvt.	04.06.2022	OK
5	UTM	SMEL/RM/UTM-02	FIE Pvt Ltd	0-200 kN	0.05 kN	UT-UC/2019-20/E-622	20.09.2020	BLUE STAR	20.09.2021	OK
6	Impact Testing Machine	SMEL/STR/ITM-01	Krystal Industries			YEA(C)/210621A/S2459/018	21.06.2021	YECSP	21.06.2022	OK
7	Vicker Hardness Tester	SMEL/RM/VHT-01	FIE Pvt Ltd			YEA(C)/210621A/S2459/017	21.06.2021	YECSP	21.06.2022	OK
8	Radius Gauge	SMEL/RM/RG-01	Mitutoyo	R 1.0-7.0 mm	N/A	YEA(C)/210622A/S2459/004	23.06.2021	YECSP	23.06.2022	OK
9	Radius Gauge	SMEL/RM/RG-02	Mitutoyo	R7.5-15.0 mm	N/A	YEA(C)/210622A/S2459/005	23.06.2021	YECSP	23.06.2022	OK
10	Radius Gauge	SMEL/RM/RG-03	Mitutoyo	R7.5-15.0 mm	N/A	YEA(C)/210622A/S2459/005	23.06.2021	YECSP	23.06.2022	OK
11	Radius Gauge	SMEL/RM/RG-04	Mitutoyo	R7.5-15.0 mm	N/A	YEA(C)/210622A/S2459/003	23.06.2021	YECSP	23.06.2022	OK
12	Feeler Gauge	SMEL/RM/FG-01	Mitutoyo	28 Blade	N/A	YEA(C)/210621A/S2459/031	22.06.2021	YECSP	22.06.2022	OK
13	Feeler Gauge	SMEL/RM/FG-02	Globe	28 Blade	N/A	YEA(C)/210621A/S2459/032	22.06.2021	YECSP	22.06.2022	OK
14	Infrared Thermometer	SMEL/RM/IT-01	HTC	(-50 to 1370)°C	0.1°C	YEA(C)/210621A/S2459/007	22.06.2021	YECSP	22.06.2022	OK
15	Digital Balance	SMEL/RM/DB-01	Citizen	0-3 kg	1 g	YEA(C)/210621A/S2459/005	21.06.2021	YECSP	21.06.2022	OK
16	Digital Balance	SMEL/RM/DB-03	Eagel	20g-15 kg	0.01 kg	YEA(C)/210621A/S2459/007	21.06.2021	YECSP	21.06.2022	OK
17	Digital Balance	SMEL/RM/DB-04	Shirai	20g-20 kg	0.001 kg	YEA(C)/210621A/S2459/008	21.06.2021	YECSP	21.06.2022	OK
18	Digital Balance	SMEL/RM/DB-02	Cas	10g-5 kg	5 kg	YEA(C)/210621A/S2459/006	21.06.2021	YECSP	21.06.2022	OK
19	Digital Balance	SMEL/RM/DB-05	Citizen	400g-200 kg	20 kg	YEA(C)/210621A/S2459/009	21.06.2021	YECSP	21.06.2022	OK
20	Long Nose Dial Caliper	SMEL/RM/LNDC-01	Kori Seiki	0-10 mm	0.01 mm	YEA(C)/210621A/S2459/023	22.06.2021	YECSP	22.06.2022	OK
21	External Micrometer	SMEL/RM/EM-01	Mitutoyo	50-150mm	0.01 mm	YEA(C)/210621A/S2459/004	22.06.2021	YECSP	22.06.2022	OK
22	External Micrometer	SMEL/RM/EM-02	Mitutoyo	0-25mm	0.01 mm	YEA(C)/210621A/S2459/016	22.06.2021	YECSP	22.06.2022	OK
23	External Micrometer	SMEL/RM/EM-03	Mitutoyo	0-25mm	0.01 mm	YEA(C)/210621A/S2459/017	22.06.2021	YECSP	22.06.2022	OK
24	External Micrometer	SMEL/RM/EM-04	Mitutoyo	0-25mm	0.01 mm	YEA(C)/210621A/S2459/018	22.06.2021	YECSP	22.06.2022	OK
25	External Micrometer	SMEL/RM/EM-05	Mitutoyo	0-25mm	0.01 mm	YEA(C)/210621A/S2459/019	22.06.2021	YECSP	22.06.2022	OK
26	External Micrometer	SMEL/RM/EM-06	Mitutoyo	0-50 mm	0.01 mm	YEA(C)/210621A/S2459/020	22.06.2021	YECSP	22.06.2022	OK
27	External Micrometer	SMEL/RM/EM-07	N/F	0-150 mm	0.01 mm	YEA(C)/210621A/S2459/021	22.06.2021	YECSP	22.06.2022	OK
28	Glass Thermometer	SMEL/RM/GT-01	Dimple	0-250°C	1°C	YEA(C)/210621A/S2459/008	22.06.2021	YECSP	22.06.2022	OK
29	Angle Protractor	SMEL/RM/AP-01	N/F	0-180°	1°	YEA(C)/210622A/S2459/001	23.06.2021	YECSP	23.06.2022	OK
30	Angle Protractor	SMEL/RM/AP-02	N/F	0-180°	1°	YEA(C)/210622A/S2459/002	23.06.2021	YECSP	23.06.2022	OK
31	Bevel Protractor	SMEL/RM/BP-01	Mitutoyo	0-180°	1°	YEA(C)/210622A/S2459/007	23.06.2021	YECSP	23.06.2022	OK
32	Depth Gauge	SMEL/RM/DG-01	N/F	0-150 mm	0.5 mm	YEA(C)/210621A/S2459/033	22.06.2021	YECSP	22.06.2022	OK
33	Depth Gauge	SMEL/RM/DG-02	N/F	0-150 mm	0.5 mm	YEA(C)/210621A/S2459/034	22.06.2021	YECSP	22.06.2022	OK
34	Depth Gauge	SMEL/RM/DG-03	N/F	0-150 mm	0.5 mm	YEA(C)/210621A/S2459/035	22.06.2021	YECSP	22.06.2022	OK
35	Depth Gauge	SMEL/RM/DG-04	N/F	0-150 mm	0.5 mm	YEA(C)/210621A/S2459/036	22.06.2021	YECSP	22.06.2022	OK
36	Vernier Height Gauge	SMEL/RM/VHG-01	Mitutoyo	0-600 mm	0.02 mm	YEA(C)/210621A/S2459/022	22.06.2021	YECSP	22.06.2022	OK



TMT RE-BAR

CALIBRATION CERTIFICATE

Sl. No.	Name of equipment	Identification Mark	Make	Range	Resolution	Certificate No.	Calibration	Calibrated by	Next Calibration Date	Remarks
37	Scale of Barometer	SMEL/RM/BM-01	HIP	640-810mmHg	1 mmHg	YEA(C)/210622A/S2459/0037	22.06.2021	YECSP	22.06.2022	OK
38	Weight Box	SMEL/RM/WB-01	Weightronics	1 mg-200 gm	N.A	YEA(C)/210622A/S2459/008	23.06.2021	YECSP	23.06.2022	OK
39	Digital Pyrometer	SMEL/RM/PY-01	N/F	0-1500°C	1°C	YEA(C)/210622A/S2459/012	23.06.2021	YECSP	23.06.2022	OK
40	Digital Pyrometer	SMEL/OP-02	N/F	0-1500°C	1°C	YEA(C)/210622A/S2459/013	23.06.2021	YECSP	23.06.2022	OK
41	Digital Pyrometer	SMEL/OP-03	N/F	0-1500°C	1°C	YEA(C)/210622A/S2459/014	23.06.2021	YECSP	23.06.2022	OK
42	Digital Tachometer	SMEL/RM/DTM-01	Systems & Control	0-9999 RPM	1 RPM	YEA(C)/210621A/S2459/001	22.06.2021	YECSP	22.06.2022	OK
43	Stop Watch	SMEL/RM/SW-01	Racer		0.01sec	YEA(C)/210621A/S2459/006	22.06.2021	YECSP	22.06.2022	OK
44	Try Square	SMEL/RM/TS-01	Machco	300mm		YEA(C)/210622A/S2459/019	23.06.2021	YECSP	23.06.2022	OK
45	Vernier Caliper	SMEL/RM/V-01	Mitutoyo	0-300 mm	0.02 mm	YEA(C)/210621A/S2459/024	22.06.2021	YECSP	22.06.2022	OK
46	Vernier Caliper	SMEL/RM/V-02	Mitutoyo	0-300 mm	0.02 mm	YEA(C)/210621A/S2459/025	22.06.2021	YECSP	22.06.2022	OK
47	Vernier Caliper	SMEL/RM/V-03	Mitutoyo	0-300 mm	0.02 mm	YEA(C)/210621A/S2459/026	22.06.2021	YECSP	22.06.2022	OK
48	Vernier Caliper	SMEL/RM/V-04	Mitutoyo	0-300 mm	0.02 mm	YEA(C)/210621A/S2459/027	22.06.2021	YECSP	22.06.2022	OK
49	Vernier Caliper	SMEL/RM/V-05	Mitutoyo	0-300 mm	0.02 mm	YEA(C)/210621A/S2459/028	22.06.2021	YECSP	22.06.2022	OK
50	Vernier Caliper	SMEL/RM/V-06	Mitutoyo	0-300 mm	0.02 mm	YEA(C)/210621A/S2459/029	22.06.2021	YECSP	22.06.2022	OK
51	Vernier Caliper	SMEL/RM/V-07	Mitutoyo	0-600 mm	0.02 mm	YEA(C)/210621A/S2459/030	22.06.2021	YECSP	22.06.2022	OK
52	Dial Caliper	SMEL/RM/DC-01	Mitutoyo	0-300 mm	0.02 mm	YEA(C)/210621A/S2459/010	22.06.2021	YECSP	22.06.2022	OK
53	Steel Scale	SMEL/RM/SS-01	Kristeel Shinwa	0-300 mm	0.5 mm	YEA(C)/210621A/S2459/009	22.06.2021	YECSP	22.06.2022	OK
54	Steel Tape	SMEL/RM/ST-01	Freemans	0-3000 mm	1 mm	YEA(C)/210621A/S2459/010	22.06.2021	YECSP	22.06.2022	OK
55	Steel Tape	SMEL/RM/ST-02	Freemans	0-3000 mm	1 mm	YEA(C)/210621A/S2459/011	22.06.2021	YECSP	22.06.2022	OK
56	Steel Tape	SMEL/RM/ST-03	Freemans	0-3000 mm	1 mm	YEA(C)/210621A/S2459/012	22.06.2021	YECSP	22.06.2022	OK
57	Steel Tape	SMEL/RM/ST-04	Freemans	0-15000 mm	1 mm	YEA(C)/210621A/S2459/013	22.06.2021	YECSP	22.06.2022	OK
58	Steel Tape	SMEL/RM/ST-06	Freemans	0-15000 mm	1 mm	YEA(C)/210621A/S2459/015	22.06.2021	YECSP	22.06.2022	OK
59	Steel Tape	SMEL/RM/ST-05	Freeman	0-15000 mm	1 mm	YEA(C)/210621A/S2459/014	22.06.2021	YECSP	22.06.2022	OK
60	Pressure Gauge	SMEL/RM/PG-01	Machco	0-25 kg/cm ²	2 kg/cm ²	YEA(C)/210621A/S2459/010	21.06.2021	YECSP	21.06.2022	OK
61	Pressure Gauge	SMEL/RM/PG-02	N/F	0-25 kg/cm ²	2 kg/cm ²	YEA(C)/210621A/S2459/011	21.06.2021	YECSP	21.06.2022	OK
62	Pressure Gauge	SMEL/RM/PG-03	Machco	0-25 kg/cm ²	0.2 kg/cm ²	YEA(C)/210621A/S2459/012	21.06.2021	YECSP	21.06.2022	OK
63	Pressure Gauge	SMEL/RM/PG-04	Machco	0-25 kg/cm ²	0.2 kg/cm ²	YEA(C)/210621A/S2459/013	21.06.2021	YECSP	21.06.2022	OK
64	Pressure Gauge	SMEL/RM/PG-05	N/F	0-25 kg/cm ²	0.2 kg/cm ²	YEA(C)/210621A/S2459/014	21.06.2021	YECSP	21.06.2022	OK
65	Specific Gravity Hydrometer	SMEL/RM/SGH-01	Onsons	1.0-1.5 Sp. Gr.	0.005 Sp. Gr.	YEA(C)/210621A/S2459/005	22.06.2021	YECSP	22.06.2022	OK
66	Slip Gauge Set	SMEL/RM/SG-01	N/F	1.0-1.5 Sp. Gr.	N.A	YEA(C)/210622A/S2459/017	23.06.2021	YECSP	23.06.2022	OK
67	Digital Clampmeter	SMEL/RM/DCM-01	MetraVi			YEA(C)/210621A/S2459/002	21.06.2021	YECSP	21.06.2022	OK
68	Digital Clampmeter	SMEL/RM/DCM-02	MetraVi			YEA(C)/210621A/S2459/003	21.06.2021	YECSP	21.06.2022	OK
69	Digital Multimeter	SMEL/RM/DM-01	Rishabh	0-500V		YEA(C)/210621A/S2459/001	21.06.2021	YECSP	21.06.2022	OK
70	Analog Insulation Tester	SMEL/RM/AIT-01	Waco			YEA(C)/210621A/S2459/004	21.06.2021	YECSP	21.06.2022	OK
71	Digital Sound Level Meter	SMEL/RM/SLM-01	HTC	30-130dB	0.1 Db	YEA(C)/210621A/S2459/003	22.06.2021	YECSP	22.06.2022	OK
72	Digital Thermohygrometer	SMEL/RM/TH-01	HTC	-50 - 70°C & 10% RH	0.1°C & 1%	YEA(C)/210621A/S2459/002	22.06.2021	YECSP	22.06.2022	OK
73	Loose Weight	SMEL/RM/LW-02	N/F	5 Kg		YEA(C)/210622A/S2459/010	23.06.2021	YECSP	23.06.2022	OK
74	Loose Weight	SMEL/RM/LW-01	N/F	1 Kg		YEA(C)/210622A/S2459/009	23.06.2021	YECSP	23.06.2022	OK
75	Loose Weight	SMEL/RM/LW-03	N/F	10 Kg		YEA(C)/210622A/S2459/011	23.06.2021	YECSP	23.06.2022	OK
76	Lux meter	SMEL/RM/LM-01	LX10A			YEA(C)/210622A/S2459/018	23.06.2021	YECSP	23.06.2022	OK
77	Digital Temperature Controller	SMEL/RM/STZ - 01	1-Therm	040 to 0 °C	0.1 °C	YEA(C)/210621A/S2459/0015	21.06.2021	YECSP	21.06.2022	OK
78	Digital Temperature Controller	SMEL/RM/DTWB - 01	N/F	0 to 99.9 °C	0.1 °C	YEA(C)/210621A/S2459/0016	21.06.2021	YECSP	21.06.2022	OK
79	Digital Thermometer	SMEL/RM/DT-01	N/F	200-1200°C	0.1 °C	YEA(C)/210622A/S2459/015	23.06.2021	YECSP	23.06.2022	OK
80	Digital Thermometer	SMEL/RM/DT-02	N/F	200-1200°C	0.1 °C	YEA(C)/210622A/S2459/016	23.06.2021	YECSP	23.06.2022	OK



TMT RE-BAR

COMPANY PROFILE

PROFILE OF SHYAM METALICS GROUP



TMT RE-BAR



Head Office: Kolkata
Our Group Companies

SHYAM METALICS AND ENERGY LIMITED

(Formerly Shyam DRI Power Limited, Sambalpur, Odisha, an Integrated Steel Plant with CPP)

SHYAM SEL AND POWER LIMITED (West Bengal)

- A) Unit-I - Jamuria, Durgapur - An Integrated Steel Plant with CPP
- B) Unit-II - Mangalpur, Raniganj - Ferro Alloys & Sponge Iron with CPP
- C) Unit - III - Dewandighi, Burdwan - An Integrated Steel Plant with CPP

SHYAM ENERGY LIMITED

Darjeeling- West Bengal - Hydel Power Plant

SHYAM FERRO ALLOYS LIMITED

(West Bengal)

- A) Unit-I - Dewandighi
- B) Unit-II- Durgapur - Ferro Alloys & Stainless Steel

SHYAM CENTURY FERROUS LIMITED

Shillong - Meghalaya - Ferro Alloys with CPP

MEGHALAYA POWER LIMITED

Lumshillong - Meghalaya - Thermal Power Plant

CEMENT MANUFACTURING COMPANY LIMITED

Brand Name: "SEL"



TMT RE-BAR

COMPANY PROFILE

PROFILE OF SHYAM METALICS GROUP



List of Product License:

- i) BIS Certification of IS: 2830:2012 For Billets
- ii) BIS Certification of IS: 2831:2012 For Billets
- iii) BIS Certification of IS: 2062:2011 For Round, Squares & Structural Steels
- iv) BIS Certification of IS: 1786:2008 For TMT Bars
- v) BIS Certification of IS: 1239(Pt-1):2004 For Round Pipe
- vi) BIS Certification of IS: 4923:2017 For Hollow RHS & SHS Pipe
- vii) BIS Certification of IS: 1161:2014 For Structural Pipe
- viii) BIS Certification of IS: 9295:1983 For idler Round Pipe

List of Instrument License:

- i) THERMEX-Quenching & Self Tempering

List of Certificate:

- i) ISO 9001:2015 For Quality Management System
- ii) ISO 14001:2015 For Environmental Management System
- iii) ISO 45001:2018 For Occupational Health & Safety Management System

Marketing Network:

Corporate Office:

"SS CHAMBER", 2nd Floor, 5C.R. Avenue
Kolkata-700072

Ph. No. 033 4011 1000, Fax No. 033 4011 1031

Email: seltmt@shyamgroup.com / sel.tmt@shyamgroup.com

Web.: www.shyamgroup.com

Registered Office:

"TRINITY TOWER", 7th Floor, 83, Topsia Road, Kolkata-700046

Ph. No. 033 4016 4001, Fax No. 033 4016 4025

Email: seltmt@shyamgroup.com / sel.tmt@shyamgroup.com

Web.: www.shyamgroup.com

Other Marketing and Branch Office:

- | | | |
|-------------|-------------|-----------|
| ➤ New Delhi | Bhubaneswar | Guwahati |
| ➤ Patna | Ranchi | Bangalore |
| ➤ Hyderabad | Agartala | Varanasi |



TMT RE-BAR

COMPANY PROFILE

PROFILE OF SHYAM METALICS GROUP



TMT RE-BAR



Field of Activities:

Products

- Iron Pellets
- Sponge Iron
- MS & CRS Billets
- TMT Bars (Fe-500D, CRS & Fe-550D)
- Structural Steel (Angle, Channel & Joist)
- MS ERW Pipes (Round & Hollow Sections)
- Ferro Alloys (Simm, Fesi & Feer etc)
- Power (Hydel, Thermal & Bio-Mass)
- Wire ROD & HB Wire
- Engineering Steel (Round & Square Bars)
- Alloys & Special Steel
- Stainless Steel
- Cement (STAR Cement)
- Infrastructure & Logistics

Capacity

(Million Tons Per Annum)

2.40 MTPA
1.30 MTPA
1.15 MTPA
0.27 MTPA
0.20 MTPA
0.03 MTPA
0.27 MTPA
207 MWA
0.40 MTPA

Product Range:

HSD-TMT Bars

- TMT 8mm to 32mm dia
- Grades - Fe415, Fe415D, Fe500, Fe500D, Fe550D, Fe600 and CRS
- Salient Features: a) Earthquake Resistant
b) Corrosion Resistant
c) Uniform RIB Pattern
d) Uniform & Controlled section weight with BIS tolerance

Engineering Steel

- M.S Round - 5.5mm to 32mm
- M.S Squares Bars - 10mm to 20mm
- M.S. Flat - 18mm to 25mm
- H.B. Wire - 8, 10 & 12 Gauge

ERW Pipes & Hollow Sections

- M.S ERW Pipes-15mm to 150mm
- RHS Pipes-50x25mm to 122x61mm
- SHS Pipes- 25x25mm to 91x91mm

MS & CRS Billets

- 100mm Sq.
- 110mmSq.
- 125mm Sq.
- 160mm Sq.
- 200 mm Sq.



TMT RE-BAR

BIS CERTIFICATE TMT RE-BARS

BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 5363162

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
5363162	M/s Shyam Metals and Energy Limited Vill- Pandoloi Tahsil- Rengali PO- Rengali Dist- Sambalpur Odisha-768212	High Strength Deformed Steel Bars and Wires for Concrete Reinforcement	IS 1786 : 2008

ENDORSEMENT NO. 23 Dated 15/09/2021

Whereas, the licence is valid upto Thirty First October Two Thousand Twenty Two.

The Endorsement No. 08 dated 26.08.2021 may be read as Endorsement No.23.

Other conditions of Licence remain the same.

(Sourabh Chandra)
Scientist-B

सौरभ चंद्र/SOURABH CHANDRA
वैज्ञानिक-बी /SCIENTIST-B
भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
भुवनेश्वर शाखा कार्यालय
BHUBANESWAR BRANCH OFFICE



TMT RE-BAR

BIS CERTIFICATE STRUCTURAL STEEL

BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 5549883

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
5549883	M/s Shyam Metals and Energy Limited VIII- Pandoloi, Tahsil- Rengali PO- Lapanga, Dist- Sambalpur Odisha- 768212	Hot Rolled Medium and High Tensile Structural Steel	2062 : 2011

ENDORSEMENT NO. 15 Dated 25/08/2021

Whereas, the licence was valid upto Thirtieth June Two Thousand Twenty One.

Now, consequent upon renewal, the validity of the licence given in endorsement No. 13 has been extended from First July Two Thousand Twenty One to Thirtieth June Two Thousand Twenty Two.

Other conditions of Licence remain the same.

(Sourabh Chandra)
Scientist-B

सौरभ चंद्र/SOURABH CHANDRA
वैज्ञानिक-बी /SCIENTIST-B
भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
भुवनेश्वर शाखा कार्यालय
BHUBANESWAR BRANCH OFFICE



TMT RE-BAR

BIS CERTIFICATE BILLETS

BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 5433662

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
5433662	M/s Shyam Metallics and Energy Limited Vill- Pandoloi Tahsil- Rengali Post- Lapanga Dist- Sambalpur Odisha- 768212	Carbon Steel Cast Billet Ingots, Billets, Blooms and Slabs for Re-rolling into Steel for General Structural Purposes	2830 : 2012

ENDORSEMENT NO. 16 Dated 24/05/2022

Whereas, the licence was valid upto Thirty First May Two Thousand Twenty One.

Now, consequent upon renewal, the validity of the licence given in endorsement No. 15 has been extended from First June Two Thousand Twenty One to Thirty First May Two Thousand Twenty Two.

Other conditions of Licence remain the same.


(Sourabh Chandra)
Scientist-B

सुरभ चंद्र/SOURABH CHANDRA
वैज्ञानिक-बी /SCIENTIST-B
भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
भुवनेश्वर शाखा कार्यालय
BHUBANESWAR BRANCH OFFICE





TMT RE-BAR

ISO : 9001 CERTIFICATION



MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
206851-2018-AQ-IND-UKAS

Initial certification date:
09 September 2016

Valid:
09 September 2019 - 08 September 2022

This is to certify that the management system of

Shyam Metalics and Energy Limited

H.O.: 83, 7th Floor, Trinity Tower, Topsia Road, Kolkata - 700 046, West Bengal,
India
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:

**Manufacture of pellets, sponge iron, ferro-alloy, MS/CRS billets, MS/CRS
TMT (HSDS) bars, ERW pipes, structural steel
Generation of thermal power in an integrated steel plant**

Appendix to Certificate

Shyam Metalics and Energy Limited

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Shyam Metalics and Energy Limited	H.O.: 83, 7th Floor, Trinity Tower, Topsia Road, Kolkata - 700 046, West Bengal, India	Human resource, marketing and purchase
Shyam Metalics and Energy Limited	Works: Village: Pandol, P.O.: Lapanga, P.S.: Rengali, District: Sambalpur - 768 212, Odisha, India	Manufacture of pellets, sponge iron, ferro-alloy, MS/CRS billets, MS/CRS TMT (HSDS) bars, ERW pipes, structural steel Generation of thermal power in an integrated steel plant

Place and date:
Chennai, 09 September 2019



For the issuing office:
DNV GL - Business Assurance
ROMA, No. 10, GST Road, Alandur,
Chennai - PIN - 600 014, India

Nivadasan Madiyach
Management Representative

Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV GL Business Assurance UK Limited, 4th Floor, Vero Building, 10 Bunford Street, London, SE1 1UG, United Kingdom.
TEL: +44(0)203 815 4000. www.dnvgl.co.uk



TMT RE-BAR

ISO : 14001 CERTIFICATION



MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
204052-2016-AN-IND-UKAS

Initial certification date:
09 September 2016

Valid:
09 September 2019 - 08 September 2022

This is to certify that the management system of

Shyam Metals and Energy Limited

H.Q.: 83, 7th Floor, Trinity Tower, Topsia Road, Kolkata - 700 046, West Bengal, India
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Environmental Management System standard:
ISO 14001:2015

This certificate is valid for the following scope:

Manufacture of pellets, sponge iron, ferro-alloy, MS/CRS billets, MS/CRS TMT (HSDS) bars, ERW pipes, structural steel
Generation of thermal power in an integrated steel plant

Appendix to Certificate

Shyam Metals and Energy Limited

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope
Shyam Metals and Energy Limited	H.Q.: 83, 7th Floor, Trinity Tower, Topsia Road, Kolkata - 700 046, West Bengal, India	Human resource, marketing and purchase
Shyam Metals and Energy Limited	Works: Village: Pandit, P.O.: Lapanga, P.S.: Rengail, District: Sambalpur - 768 212, Odisha, India	Manufacture of pellets, sponge iron, ferro-alloy, MS/CRS billets, MS/CRS TMT (HSDS) bars, ERW pipes, structural steel Generation of thermal power in an integrated steel plant

Place and date:
Chennai, 09 September 2019



For the issuing office:
DNV GL - Business Assurance
80MA, No. 10, GST Road, Alandur,
Chennai - PIN - 600 016, India

Sivadasan Madiyath
Management Representative

Lack of fulfillment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT: DNV GL Business Assurance UK Limited, 4th Floor, Vero Building, 30 Stamford Street, London, SE1 9UL, United Kingdom.
TEL: +44(0) 202 818 4800. www.dnvgl.co.uk

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TMT RE-BAR

ISO : 45001 CERTIFICATION



BSCIC
Certificate

OCCUPATIONAL HEALTH & SAFETY
MANAGEMENT SYSTEM

This is to certify that:

SHYAM METALICS AND ENERGY LIMITED
WORKS: VILLAGE: PANDLOI, P.O. - LAPANGA, P.S. RENGALI
DIST: SAMBALPUR - 768 212, ODISHA, INDIA

Hereby granted the Certificate Number: **BN16654/16499**

Subsequent to the Assessment of the organization, it has been found to be operating an Occupational Health & Safety Management System which complies with the requirements of

ISO 45001:2018

For the following scope:

**Integrated Steel Plant- Manufacture of Sponge Iron, Pellets, Ferro Alloy, M.S./CRS Billets,
M.S./CRS TMT (HSDS) Bar, ERW Pipes, Structural Steel and Wire Rod.
Generation of Thermal Power
IAF Scope: 17a, 25**

For
BSCIC CERTIFICATIONS PVT.LTD.

[Signature]
Sanjay Seth
Managing Director

Originally Registered:	21-Jul-2017	1st Surveillance Due on:	26-Aug-2021
Issue Date:	11-Dec-2020	2nd Surveillance Due on:	26-Aug-2022
Expiry Date:	20-Jul-2023		

(In case if Surveillance Audit is not allowed to be conducted, this Certificate shall be **Suspended/Withdrawn**).

Please do update this certificate's status at www.bscic.com at REGISTRATION STATUS.

This Certificate of Registration is granted subject to relevant provisions of the BSCIC Certifications PVT. LTD. Contact Terms & Scheme for Registration Form 0615 (Latest Version). Please see B018 at our website www.bscic.com.

The certificate of Registration remains the property of BSCIC Certifications Pvt. Ltd. and shall be returned immediately upon request.

BSCIC Headquarters: 3rd Floor, 50/55A, Green Park Mall, Fardesabad - 121 887, Haryana, India.

Page 1 of 1

Registered

eliaCI
مركز الاعتمادات الدولية للتقنية
Enables International Accreditation Centre
017-CB-0HSM5

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TMT RE-BAR

NABL CERTIFICATION

  National Accreditation Board for
Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

**QUALITY CONTROL LABORATORY, SHYAM METALICS
& ENERGY LIMITED**

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

P.O-LAPANGA, SAMBALPUR, PANDLOI, ODISHA, INDIA

in the field of

TESTING

Certificate Number: TC-7491

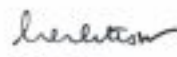
Issue Date: 16/06/2021 Valid Until: 15/06/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : SHYAM METALICS & ENERGY LIMITED

Signed for and on behalf of NABL

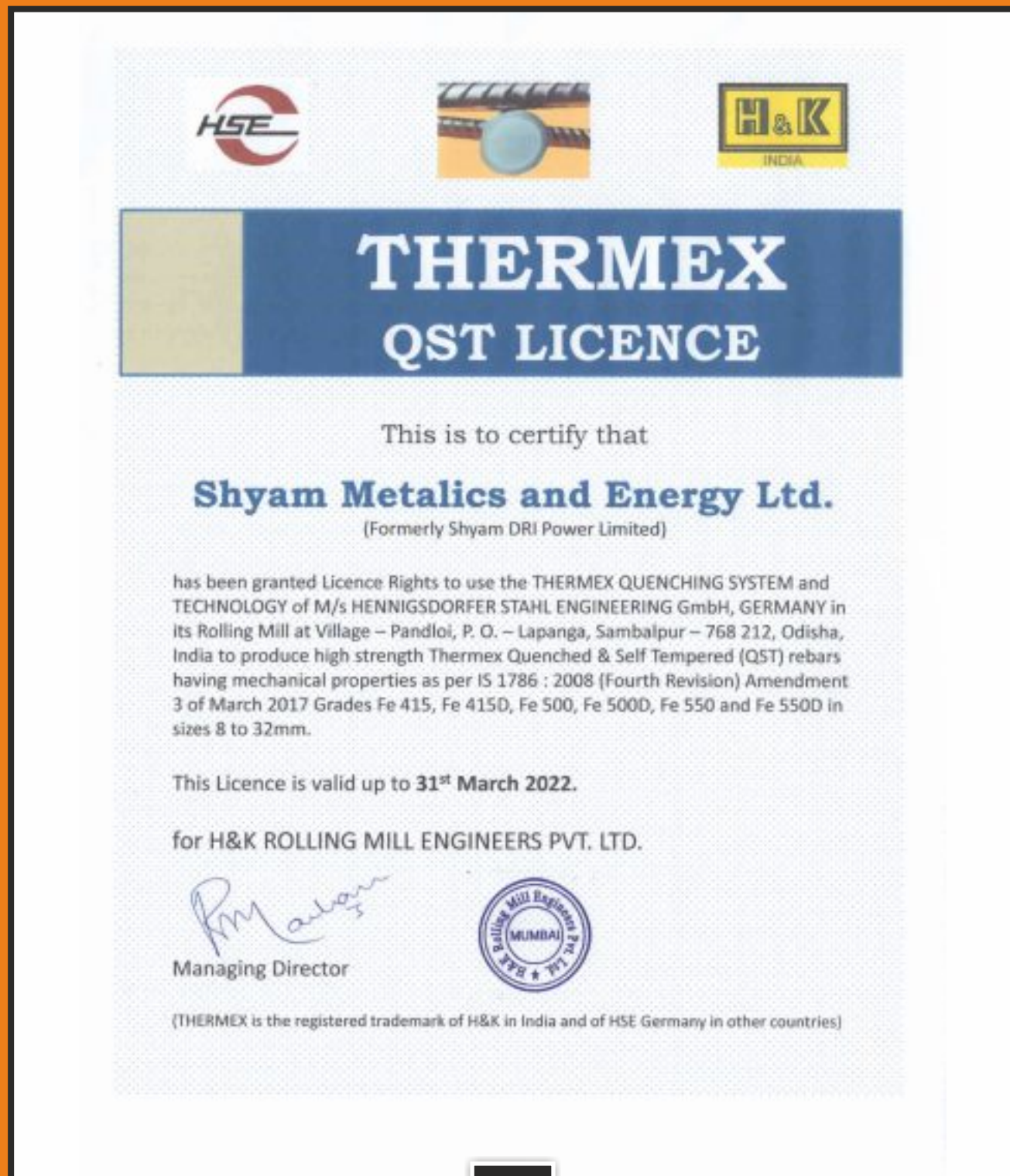



N. Venkateswaran
Chief Executive Officer

SEL®

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THERMEX LICENCE



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PRIMARY STEEL PRODUCER CERTIFICATION



राइट्स लिमिटेड
(सर्वोत्तम का प्रतिष्ठान)

RITES LTD.

(Schedule 'W' Enterprise of Govt. of India)

देशीय निवेशक कार्यालय / Regional Inve.

पुणे, केन्द्रित रेलवे विभाग (मेट्रो)

Eastern Region, Central Station Buildi

14, पी. आर. एवेन्यू (3rd Floor), Kolkata - 701

06, C. R. Avenue (3rd Floor), Kolkata - 701

फोन / Phone : +91-33-2224-8888 / 8730

फैक्स / Fax : +91-33-2224-8704

ई-मेल / E-mail : erinspn@rites.com

Office

co)

NO.RITES/SMEL/CA/16-17/01/032

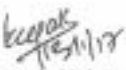
Dated: 13/01/2017

Sub: Assessment of Shyam Metallics and Energy Limited, at Sambalpur, Odisha.

With reference to the above, the undersigned has visited M/s, Shyam Metallics and Energy Limited, Pandiol, Lapanga, Rengali, Sambalpur, Odisha - 768212, on 14.12.2016. A structured evaluation of its capabilities was conducted and verified based on the documents and witnessing the process and testing.

It is certified that the M/s, Shyam Metallics and Energy Limited is a Primary Steel Producer having Integrated Steel Plant. The manufacturing process is PELLET-DRI-EAF/EIF-CCM-RM. The plant maintain proper manufacturing quality assurance plan (QAP) and well equipped laboratory with modern testing facilities that include Spectro Meter and Universal Testing Machine (duly calibrated by NABL lab).

The organization is certified to ISO 9001:2015 AND ISO 14001:2015. The products i.e Billets, TMT bars and MS ERW Black Pipe are approved by Bureau of Indian Standards (BIS).


(Deepak Mahajan)
SDGM (M)

दीपक महाजन / DEEPAK MAHAJAN
सीएम एवं ग्राहकसंबंध (एस एवं सी) / Sr. CGM (S&M)
मुख्य कार्यालय / QA Division
राइट्स लिमिटेड / RITES LIMITED
पूँजी मंदिर / Eastern Region.
कोलकाता / Kolkata

पंजीकृत कार्यालय : कोर 1, 12वां तल, स्कोप मीनार, लक्ष्मी नगर, दिल्ली - 110052 (भारत)

Registered Office : 12th Floor, Core 1, Scope Minar, Laxmi Nagar, Delhi - 110052 (India)

मुख्य कार्यालय : राइट्स भवन - 1, सेक्टर - 28, गुरुगांव - 122001

Corporate Office : Rites Bhawan, No. - 1, Sector 28, Gurgaon - 122001

ई-मेल / E-mail : info@rites.com, वेबसाइट / Website : www.rites.com



TMT RE-BAR

PRIMARY STEEL PRODUCER CERTIFICATION

NO. RITES/SMEL/CA/16-17/01/032

Dated: 13/01/2017



**RITES LTD. QA DIVISION
EASTERN REGION
KOLKATA - 700012**

It has been decided to place

Factory Address	Head. Office Address
M/s Shyam Metals and Energy Limited, Pandol, Lapanga, Rengali, Sambalpur - 768212. (Odisha).	M/s Shyam Metals and Energy Limited Trinity Tower, 7 th Floor, 83, Topsia Road, Kolkata : 700 046 (West Bengal)

For the manufacturing capacity based on the General Technical, Quality control, Technical manpower and commercial Assessment carried out by RITES LTD. M/s Shyam Metals and Energy Limited, is a Primary Steel Producer having its integrated steel Plant and works at Pandol, Lapanga, Rengali, Sambalpur - 768212, (Odisha), is capable to manufacture the following:

S.N.	Item	Specification	Annual capacity (in Metric Ton)
1.	Pellet	As per IS:11092/2001	5,70,240
2	Sponge Iron	As per IS:10812/1992	2,49,480
3	Ferro Manganese	As per IS:1171/2011	1,33,650 (If only Ferro manganese is produced in the Ferro Division)
4	Silico Manganese	As per IS:13164/1991	83,754 (If only Silico manganese is produced in the Silico Manganese Division)
5	Ferro Chrome	As per IS:1170/1992	98,010 (If only Ferro Chrome is produced in the Ferro Chrome Division)
6	Billet (MS & CRS)	As per IS:2830/2012	2,52,752
7	TMT Re-bars (Fe-415, Fe-415D, Fe-500, Fe-500D & CRS)	As per IS:1786/2008	74,250
8	MS ERW Black Pipe	As per IS:1239/2004, IS:4923/1997, IS: 9295/1983, IS:1161/2014	32,670

This assessment is issued on: 13/01/2017

Deepak Mahajan
13/01/17
Deepak Mahajan
SDGM (M)/RITES,
ER/Kolkata.

डीपक महजन / DEEPAK MAJ
सीएम एवं प्रशासक (मन एवं ई) / Sr. DC
मुख्य विभाग / QA Division
राज्य रीट्स / RITES LIMITED
पूर्व क्षेत्र / Eastern Region,
कोलकाता / Kolkata.

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TMT RE-BAR

MAJOR APPROVALS PWD

भारत सरकार
उत्कलीसी लीमिटेड कोषांग
मंत्रिमंडल सचिवालय एवं निगरानी विभाग, राँची।

पत्रांक- निरवि-08 - 01 (ग.प.को.)/2020 / राँची / दिनांक- /

प्रेषक-
ई. राजदेव सिंह
मुख्य अभियन्ता-सह-संयोजक,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति।

सेवा में,
1. सदस्य, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, राजा विभाग, झारखण्ड, राँची।
2. सदस्य, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, ग्रामीण विकास विभाग, झारखण्ड, राँची।
3. सदस्य, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियन्ता प्रमुख, पब निर्माण विभाग, झारखण्ड, राँची।
4. सदस्य, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियन्ता प्रमुख, जल संसाधन विभाग, झारखण्ड, राँची।
5. सदस्य, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, पैवजल एवं स्वच्छता विभाग, झारखण्ड, राँची।
6. सदस्य, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, ग्रामीण कार्य विभाग, झारखण्ड, राँची।
7. सदस्य, राज्य स्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियन्ता प्रमुख, मवन निर्माण विभाग, झारखण्ड, राँची।

विषय- राज्य स्तरीय अनुसूचित दर निर्धारण समिति की SEL, Shyam Metals and Energy Ltd. & Shyam SEL and Power Ltd. Rengali (Dist. Sambalpur, Odisha) and Jamsira (Dist. Paschim Bardhaman, West Bengal) एवं Rungta Steel-Chaliyama, Seraikela-Kharasawan, Jharkhand से संबंध में बैठक की कार्यवाही।

महोदय,
उपरोक्त विषयक दिनांक-20.07.2020 को हुई राज्य स्तरीय अनुसूचित दर निर्धारण समिति की बैठक की कार्यवाही अद्वार कार्यवाई हेतु उपलब्ध करा दी जा रही है।
अनु.-प्रयोग।

विभागाध्यक्ष
ई0/-
(ई. राजदेव सिंह)
मुख्य अभियन्ता-सह-संयोजक,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति।

आपका- / राँची / दिनांक- /
प्रतिनिधि-प्रधान सचिव, मंत्रिमंडल सचिवालय एवं निगरानी विभाग, झारखण्ड, राँची को सूचना एवं आवश्यक कार्यवाई हेतु प्रेषित।
अनु.-प्रयोग।

ई0/-
(ई. राजदेव सिंह)
मुख्य अभियन्ता-सह-संयोजक,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति।

आपका- 233(अ.प.को.) / राँची / दिनांक- 20.7.2020 /
प्रतिनिधि- प्रधान सचिव, मंत्रिमंडल सचिवालय एवं निगरानी विभाग, झारखण्ड, राँची / राजा विभाग, झारखण्ड, राँची / ग्रामीण विकास विभाग, झारखण्ड, राँची / पैवजल एवं स्वच्छता विभाग, झारखण्ड, राँची / ग्रामीण विकास विभाग, झारखण्ड, राँची / ग्रामीण विकास विभाग, झारखण्ड, राँची को सूचना एवं आवश्यक कार्यवाई हेतु प्रेषित।
अनु.-प्रयोग।

(ई. राजदेव सिंह)
मुख्य अभियन्ता-सह-संयोजक,
राज्य स्तरीय अनुसूचित दर निर्धारण समिति।



TMT RE-BAR

MAJOR APPROVALS PWD

दिनांक-20.07.2020 को संयोजक, राज्य स्तरीय अनुसूचित दर निर्धारण समिति -सह-मुख्य अभियन्ता, तकनीकी परीक्षा कोषांग, मंत्रिमंडल सचिवालय एवं निगरानी विभाग, राँची की अध्यक्षता में अनुसूचित दर निर्धारण समिति के बैठक की कार्यवाही प्रतिवेदन।

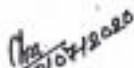
स्थान- निरूपण भवन डोरंडा, राँची।

उपस्थिति- संलग्न सूची के अनुसार

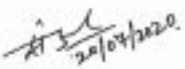
बैठक में SEL, Shyam Metals and Energy Ltd. & Shyam SEL and Power Ltd. Rengali (Dist, Sambalpur, Odisha) and Jamuria (Dist, Paschim Bardhaman, West Bengal) एवं Rungta Steel-Chaliyama, Seraikela-Kharsawan, Jharkhand के Steel के सम्बन्ध में चर्चा हुई। Agency द्वारा समर्पित दस्तावेज के अनुसार उक्त प्रतिष्ठानों का Steel सड़क परिवहन एवं राजमार्ग मंत्रालय द्वारा प्रकाशित Specification for Road and Bridge works के 5th revision के कडिका 1009.3.1 के विशेषताएँ एवं IS 1786 में विनिर्दिष्ट मानकों के अनुरूप है। निहित प्रावधान के अनुसार Steel का उत्पादन Iron Ores एवं Billets से किया जाना है। उपलब्ध दस्तावेजों के आधार पर उक्त दोनों प्रतिष्ठान इस अर्हता को पूर्ण करते हैं।

समय-समय पर सामग्री का अभाव हो जाता है, ऐसी स्थिति में समिति उक्त दोनों प्रतिष्ठानों के विशिष्ट मानक Steel को भी प्रकाशित होने वाले नये अनुसूचित दर पुस्तिका में शामिल करने एवं इसका प्रयोग निर्माण कर्मों में करने पर सहमति प्रदान करती है।


सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, उर्जा विभाग, झारखण्ड, राँची।

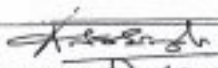

सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, ग्रामीण विकास विभाग, झारखण्ड, राँची।


सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, पब निर्माण विभाग, झारखण्ड, राँची।


सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, गल संसाधन विभाग, झारखण्ड, राँची।


सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, श्रम एवं रक्षणा विभाग, झारखण्ड, राँची।


सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, ग्रामीण कार्य विभाग, झारखण्ड, राँची।


सदस्य, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-अभियंता प्रमुख, सदन निर्माण विभाग, झारखण्ड, राँची।


संयोजक, राज्यस्तरीय अनुसूचित दर निर्धारण समिति-सह-मुख्य अभियन्ता, तकनीकी परीक्षा कोषांग, मंत्रिमंडल सचिवालय एवं निगरानी विभाग (निगरानी) झारखण्ड, राँची।



TMT RE-BAR

MAJOR APPROVALS MES

Tele : 011 23019119
Fax : 011 23019488

By Regd Post

Sub Dte of Design, Room No 166
Directorate General of Works
Military Engineer Services
Engineer-in-Chief's Branch
Kashmir House, Rajaji Marg
New Delhi - 110 011

No 83044/Steel/ 796 /E2 Des-3

01 Sep 2021

E-in-C's List 'A' & 'B'

**APPROVAL OF TMT BARS MANUFACTURED BY
M/S SHYAM METALICS AND ENERGY LTD, KOLKATA**

1. Refer approval for TMT bars manufactured by **M/s Shyam Metalics and Energy Ltd., Kolkata** accorded vide this HQ letter No 83044/Steel/469/E2 Des-3 dated 28 Sep 2015 for two years and renewed vide this HQ letter No 83044/Steel/816/E2 Des-3 dated 13 Dec 2017 for a period of 03 years.
2. The firm has reported supply of significant quantity of steel for MES works since renewal of approval in Dec 2017 and has approached this HQ for extension of approval of TMT bars. No adverse reports have been received from any MES formation on the steel supplied.
3. In view of above, approval for TMT bars of grades Fe 500 and Fe 500D of sizes 8mm to 32mm dia with brand name "SEL" manufactured by **M/s Shyam Metalics and Energy Ltd., Kolkata** using THERMEX technology is hereby renewed for next three years. (i.e. up to 31 Aug 2024)
4. The requirements for the MES units shall be met on priority by the firm. The concerned MES representatives may visit manufacturer's plant to inspect their documents, process, products and quality control measures.
5. The approval does not absolve the executive/supervisory staff from their responsibility for using correct quality steel. Necessary checks as per this HQ letter No 83044/Steel/1777/E2 (Des-3) dated 10 Jul 2012 shall be carried out by Comd / Zonal CE.
6. Samples from each lot should be tested for quality as per IS 1786-2008 and the elongation shall not be less than 18%.
7. The address and contact number of the firm are given below:-

CORPORATE OFFICE	PLANT
M/s Shyam Metalics and Energy Ltd Vishwakarma, 1 st floor, 86C, Topsia road, Kolkata - 700048 Phone : +9133-4011 3000 Fax : +9133-2285 2212 Website: www.shyammetalics.com	M/s Shyam Metalics and Energy Ltd Vil - Pandoli, The - Rengali, Dist - Sambalpur - 768212 Odisha




(Somesh Kumar)
IDSE
Offg Jt DGW (Des)
For E-in-C

(Contd...) PTO



TMT RE-BAR

MAJOR APPROVALS MES

-2-

Copy to:-

M/s Shyam Metalics and Energy Ltd
Vishwakarma, 1st floor,
88C, Topsia road,
Kolkata - 700048

1. It may be noted that this approval would be deemed to be cancelled in case of:

- (a) Non-receipt of written intimation in case of change of company/plant ownership and not seeking prior approval of any change in technology.
- (b) Discrepancy reported/found at any later date in documents/details submitted to this office / BOO.
- (c) Non-adherence to conditions laid in letter above.
- (d) Unsatisfactory quality of steel/inadequate response to supply orders/ complaints reported by MES units and at the time of approaching for renewal of enlistment after expiry of approval period.

2. You are requested to submit an annual statement of dispatch of TMT bars to various formations of Military Engineer Services on 30th Apr each year as per format given below.

3. Your company shall be liable to supply small quantities of requirement also. It must be ensured that after receipt of advance/payment, the physical dispatch of TMT bars shall be done within one week time.

Internal

DG MAP, E2W (PPC), E2 (Army), E2 (Navy), E2 (Air), E6, E8

Automation Cell - It is requested to upload this letter in restricted domain on MES website.

FORMAT FOR STATEMENT OF SUPPLY/DISPATCH OF TMT BARS TO MES FORMATIONS

Sl No	Name of MES Formations	Item & Specification	Quantity	Date of demand	Date of Payment / Advance	Date of dispatch	Remarks





TMT RE-BAR

MAJOR APPROVALS RDSO



भारत सरकार - रेल मंत्रालय
प्रमुखता प्रमाणन और मानक संगठन
लखनऊ - 226 011
EPBX (0522) 2451296
Fax (0522) 2458500

Government of India-Ministry of Railways
Research Designs & Standards Organisation
Lucknow - 226 011
DID (0522) 2450115
DID (0522) 2465310



No. WKS/91/TMT/ Shyam Metals

Date 16.12.2021

M/s Shyam Metals and Energy Ltd.,
Trinity Tower, 7th floor,
83-Topsia Road,
Kolkata – 700046.

Sub: Re-instatement/renewal of approval of the firm for manufacture and supply of TMT Reinforcement bars in Indian Railway.

Ref: This office letter even no. dated 29.09.2017 and 15.12.2020.

The firm M/s Shyam Metals and Energy Limited was registered for manufacture and supply of TMT Reinforcement bars to Indian Railway vide this office letter under reference. For restoration and renewal of validity of approval, quality audit of the firm was carried out by this office and found satisfactory. Now the firm M/s Shyam Metals and Energy Limited is being reinstated and allowed to continue in the list of approved vendors for manufacture and supply of TMT reinforcement bars to Indian Railways with following details:

Office Address M/s Shyam Metals and Energy Ltd., Trinity Tower, 7th floor, 83 -Topsia Road, Kolkata – 700046, West Bengal	Works Address: M/s ShyamMetals and Energy Ltd., Village- Pandloi, P.O- Lapanga, P.S- Rengali, Dist.-Sambalpur Odisha-768212
Allied/Sister Concern: Office Address M/s ShyamSel& Power Ltd., S.S. Chambers, 2nd Floor, 5, CR Avenue, Kolkata-700072 (W.B)	Work Address Bijoynagar More, Mouza-Dhasna, P.O- Bahadurpur,P.S- Jamuria, Dist.- West Bardhaman
Trademark	SEL
BIS ID No.	523162
Steel Making Process Route:	DRI – EIF
Registration for TMT Steel Reinforcement Bars for : Grade Fe 500D (8mm – 32mm) conforming to IS: 1786 & para 5.3 of IS: 13920 with latest amendment & suitable for use in all seismic zones	
Date of Quality Audit: 15.11.2021 to 19.11.2021	
Next due date of Quality Audit: Due on 05 years interval from 15.11.2021	

- Embossing/Marking of BIS ID no. **523162** in addition to grade & trademark on TMT Reinforcement bars may also be checked/verified by purchaser during procurement to ensure that supply of material has been made from the above approved work unit of the firm.
- This registration has been continued in "List of approved vendors for the supply of TMT reinforcement bars to Indian Railways" on the basis of information and documents provided by the



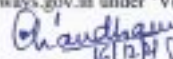
TMT RE-BAR

MAJOR APPROVALS RDSO

firm and the facilities available/ shown during quality audit & plant visit. If, during the course of time, any outsourcing of finished product at any stage is done by the firm, affecting the current status of manufacturing / production capacity, this registration shall not be valid unless & until prior approval is taken from RDSO for the modified manufacturing and out sourcing process/ capacity.

4. The firm has given declaration for not using external scrap in production of TMT reinforcement bars. In case, use of external scrap is reported to this office, registration of the firm shall be processed for delisting.
5. This continuation of approval of the firm is also subjected to timely renewal of BES certificates and other licenses as well fulfillment of other conditions as per "ISO guidelines in regard to vendor approval process and Schedule of Technical Requirements (STR) for supply of TMT Reinforcement bars to Indian Railway" available at RDSO website www.rdsso.indianrailways.gov.in under 'Vendor Interface'.

DA: Nil


(C. M. Chaudhary)

Director/Civil

for Director General/ Works

Copy for information and necessary action to all as per attached mailing list.

1. General Manager/ Const., North East Frontier Railway, Maligaon, Guwahati- 781011
2. Principal Chief Engineer, Central Railway, GM Building, 2nd Floor, PCEs office, CST Mumbai – 400 001
3. Principal Chief Engineer, Eastern Railway, 17 N.S. Road, Fairlie Place, Kolkata – 700 001.
4. Principal Chief Engineer, East Central Railway, Engineering Department, 4th Floor, New GM Building, Hajipur- 844 101.
5. Principal Chief Engineer, East Coast Railway, Rail Sadan, Chandrasekharpur, Bhubaneswar- 751 017.
6. Principal Chief Engineer, Northern Railway, Baroda House, New Delhi – 110 001.
7. Principal Chief Engineer, North Central Railway, HQ office, Subedarganj, Allahabad – 211 015.
8. Principal Chief Engineer, North Eastern Railway, GM office, Gorakhpur – 273 012.
9. Principal Chief Engineer, Northeast Frontier Railway, HQ office, Maligaon, Guwahati – 781 011.
10. Principal Chief Engineer, North Western Railway, HQ office, Near Jawahar Circle, Malviya Nagar, Jaipur – 302 017.
11. Principal Chief Engineer, Southern Railway, HQ office, Park Town, Chennai – 600 003.
12. Principal Chief Engineer, South Eastern Railway, GM office, 11-Garden Reach Road, Kolkata – 700 043.
13. Principal Chief Engineer, South East Central Railway, GM Building, 3rd Floor, Bilaspur (Chhattisgarh) – 495 004.
14. Principal Chief Engineer, South Central Railway, Rail Nilayam, Secunderabad-500025.
15. Principal Chief Engineer, South Western Railway, GM office, Club road, Hubballi – 580 023.
16. Principal Chief Engineer, Western Railway, Engineering Department, 2nd Floor, GLO Building, Church Gate, Mumbai – 400 020.
17. Principal Chief Engineer, West Central Railway, GM office, Indira Market, Jabalpur – 482 001.
18. Principal Chief Engineer, Metro Railway Kolkata, 33/1 Jawaharlal Nehru Rd. Kolkata: 700071.
19. Principal Chief Engineer, CORE, 1- Nawab Yusuf Road, Civil Lines, Allahabad-211001.
20. Chief Administrative Officer (Const.), Central Railway, New Administrative Building, 6th Floor, D.N. Road, Mumbai - 400 001.



TMT RE-BAR

MAJOR APPROVALS RDSO

21. Chief Administrative Officer (Const.), Eastern Railway, 4th floor, New Koilaghat Building, 14 - Strand Road, Kolkata - 700 001.
22. Chief Administrative Officer (Const.) North, East Central Railway, Near Ashok Rajpath, Bakipur, Mahendrughat, Patna- 800004.
23. Chief Administrative Officer (Const.) South, East Central Railway, Near Ashok Rajpath, Bakipur, Mahendrughat, Patna- 800004.
24. Chief Administrative Officer (Const.), East Coast Railway, Annexe Building, Rail Vihar, Chandrasekharpur, Bhubaneswar - 751 023.
25. Chief Administrative Officer (C), Northern Railway, Kashmiri Gate, Delhi - 110 006.
26. Chief Administrative Officer (Const. - II), Northern Railway, Kashmiri Gate, Delhi - 110 006.
27. Chief Administrative Officer (USBRL), Northern Railway, Kashmiri Gate, Delhi - 110 006.
28. Chief Administrative Officer (Const.), North Central Railway, Room no. - 103, GM Building, Bhagirathi, H - Block, Subedarganj, Allahabad - 211 015.
29. Chief Administrative Officer (Const.), North Eastern Railway, Gorakhpur - 273 012.
30. Chief Administrative Officer (Const.), North Western Railway, Malviya Nagar, Jaipur - 302 017.
31. Chief Administrative Officer (Const.), Southern Railway, 183 - E.V.R. PeriyarSalai, Egmore, Chennai - 600 008.
32. Chief Administrative Officer (Const.), South Central Railway, Rail NirmanBhawan, Secunderabad - 500 025.
33. Chief Administrative Officer (Const.), South Eastern Railway, 11- Garden Reach Road, Kolkata - 700 043.
34. Chief Administrative Officer (Const.), South East Central Railway, Behind Zone office, Construction Building, Near JaganChowk, Bilaspur (Chhattisgarh) - 495 004.
35. Chief Administrative Officer (Const.), South Western Railway, Millers Road, Bangalore - 560 046.
36. Chief Administrative Officer (Const.), Western Railway, Survey and Const. New Building, 1st Floor, Church Gate, Mumbai - 400 020.
37. Chief Administrative Officer (Const.), West Central Railway, Indira Market, Jabalpur - 482 001.
38. CMDs of IRCON, RITES, RVNL, IRWO, CONCOR, DMRC, KRCL, MRVC, DFCCIL, RailTel and CRIS.
39. Vice Chairman, RLDA, MotilBagh - I, New Delhi - 110 021.
40. Chief Engineer, CLW, Chittaranjan, Dist. - Burdwan (West Bengal) - 713 331.
41. Chief Engineer, DLW, Varanasi - 221 004.
42. Chief Engineer, RCF, Hussainpur, Kapurthala, Punjab - 144 602.
43. Chief Engineer, ICF, Perambur, Chennai - 600 038.
44. Chief Engineer, RWF, Dodaballapur Road, Yelahanka, Bengaluru - 560 064.
45. Chief Engineer, MCF, 1st Floor, Engg. Deptt., Admin. Bldg., Raebareilly, Lalgarh (U.P.) - 229 120.
46. Deputy Chief Engineer, DLMW, Civil Engg. Deptt., Patiala - 147 003.
47. Deputy Chief Engineer, RWP, 1st Floor, Admin. Building., Bela, Dist. - Sagar (Chhatisra) - 841221.

DA: Nil.

(C. M. Chaudhary)
Director/Civil
for Director General/ Works



TMT RE-BAR

MAJOR APPROVALS EIL


Project Site: HPCL, Visakh Refinery, Malkapuram, Visakhapatnam-530011
Landline: 0891 2834043 E-mail: info@eipb015@gmail.com

Ref: ES/CS/B015/LIB&R SAUG 14-357 Date: 21.08.2021

M/s Bridge and Road Construction
VRMP Project
HPCL, Visakh Refinery
Malkapuram, Visakhapatnam
Andhra Pradesh

Kind Attention: Mr. A. Hazra - Resident Manager

Sub: Structural works, UG Piping & Misc. Works for VRMP Project of M/s HPCL, Visakhapatnam - M/s Shyam Metalics and Energy Limited.

Ref: B&R L/OA No. AS/B015-700-CT-EN-8105/100R L/OA/3009 dated 06.10.2017.
B&R letter no. B&R L-RE/60984/site/711 dated 12.08.2021.

Dear Sir,

We have reviewed above letter no. B&R/ERE/60984/site/711 dated 12.08.2021 along with BIS Documents where in M/s Shyam Metalics And Energy Limited, Village Pandlooi, P.O:- Lapanga, Tahsil-Rengali, Dist: Sambalpur PIN-768212 [Odisha] are BIS licenced "Hot rolled Medium and High Tensile Structural steel" as per IS 2062:2011.

Structural steel Materials may be procured with Valid MTC from M/s Shyam Metalics And Energy Limited through

1. M/s Sreekantha steels Pvt Ltd, 9-5-53/3, Near Isukathota Bus stop, Sivajipalem, Visakhapatnam -530017.
2. M/s S and T associates, 7/11/1, Chinnamushidwada, Pendurti, Visakhapatnam -531173.

This is for your information and needful action please.

Thanking you
Very Truly Yours,


V Ramana Rao Koundinya / वी रामनारायण कौंडिन्य
Resident Construction Manager / आवासीय निर्माण प्रबंधक
Engineers India Limited, / इंजीनियर्स इंडिया लिमिटेड
Mb: 7997996061
Copy: Mr. K S Raju, Group General Manager-EIL-Gurugram
Mr. M.G.Meena General Manager (P)
Originator (SRS/ISR/RD) RCM M/F


उत्कृष्टता का ज्ञान हमारे कार्य Delivering Excellence Through People
एक काम देश का नाम
15 YEARS OF CELEBRATING THE FUTURE
1990-2005



TMT RE-BAR

MAJOR APPROVALS OSAM BOARD



ODISHA STATE AGRICULTURAL MARKETING BOARD

Plot No.1800 (P), Baramunda, Post-Khandagiri, Near Indian Oil Petrol Pump Bhubaneswar
Ph. No.0674-2351311, Fax: 0674-2351316, Email: osamboard99@yahoo.com, Website: www.osamboard.org

Letter No: 77
File No. : Proj

Dated: 11.11.2021

To,

The Secretaries,
All Regulated Market Committee in the State.

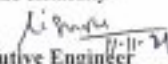
Sub: Use of integrated steel manufacturing company i.e. SHYAM METALIC AND ENERGY LIMITED.

Sir,

With reference to the above all are hereby inform that, to use in steel product of integrated steel manufacturing company i.e. SHYAM METALIC AND ENERGY LIMITED embossing / marking of BIS ID No. 539082 on TMT Reinforcement bars may also be checked / verified by purchaser during procurement to ensure that supply of material has been made from the above approved works unit of the firm.

This continuation of approval of the firm also subjected to timely renewal of BIS Certificate and other licenses as well as fulfillment of other conditions as per "ISO guidelines in regard to vendor approval process and Schedule of Technical Requirements (STR) for supply of TMT Reinforcement bars to Indian Railway" available at RDSO website under 'Vendor Interface'.

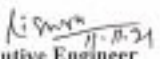
Yours faithfully


Executive Engineer
OSAM Board, Bhubaneswar

Memo No 78

Date 11.11.2021

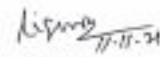
Copy to All A.E.E.s / J.E.s, OSAM Board for information and necessary action.


Executive Engineer
OSAM Board, Bhubaneswar

Memo No 79

Date 11.11.2021

Copy forwarded to Gautam Dutta, V.P. Marketing, SHYAM METALIC AND ENERGY LIMITED for information and necessary action.


Executive Engineer
OSAM Board, Bhubaneswar

Scanned with CamScanner



TMT RE-BAR

MAJOR APPROVALS BAJAJ ELECTRICALS - EPC DIVISION

----- Forwarded message -----

From: **SCM Asst. Manager Kolkata (Dipu Barik)** <dipu.barik@bajajelectricals.com>
Date: Fri, Oct 8, 2021, 16:35
Subject: Vendor Assessment form - M/s Shyam Metalics & Energy Limited, Sambalpur unit.
To: Arijit Dutta <arijit.dutta@shyammetalics.com>
Cc: Goutam Dutta <goutam.dutta@shyammetalics.com>, Jaydeep Gandre <jaydeepg@bajajelectricals.com>, Sudip Shetty <sudips@bajajelectricals.com>, Ajay Gade <ajay.gade@bajajelectricals.com>, Ashwin Panchal <ashwinp@bajajelectricals.com>, Shrinivas Prabhu <shrinivasp@bajajelectricals.com>

Dear Sir,

Please find attached herewith assessment report of **M/s. Shyam Metalics & Energy Limited, Sambalpur - 768212, Odisha** conducted through physical audit on 05th October 2021 along with Mr. Dipu Barik, SCM.

In view of the above, the vendor is '**APPROVED**' for procurement of **TMT Re-Bar (8mm to 32mm)**.

This is for your kind perusal.

You have scored 79% in the assessment. Kindly review the report & initiate the improvements against the red highlighted points and specially the Special processes control and rejection monitoring. In this connection, Audit Action Implementation format is attached herewith.

Kindly share with the action plan within 3 weeks of receipt of the report. All open points to be closed within 3 months from the date of receipt of the report.

Thanks & Regards

Dipu Barik

Asst. Manager SCM - EPC

E: dipu.barik@bajajelectricals.com

M: + 91 9073954070 | T: +



TMT RE-BAR

MAJOR APPROVALS PWD - MANIPUR



Member of the Sellen Group
Sagolband Meisinglim
NagrimManorLekur,
Imphal-795001 Manipur, India.
Tel: +91 361 251 1111

5061165/SMEC/02/HCC/1401

Dated: 8th September 2021

To,
Project Manager,
HCC-VCLL (JV)
Taathong Apeiba, Lamsang Bazar
Imphal West, Manipur-795146

Sub: Construction Supervision Consultant (CSC) for SASEC Road Connectivity Investment Program under ADB Loan No. 3118-IND Tranche - 1. Source Approval of Reinforcement Steel Manufactured by M/s Shyam Metals and Energy Ltd.

Ref: 1. HCC/IKTRP/PWD/2021/1644 dated 06.09.2021

Dear Sir,

Please refer to your submission as referred above, regarding Source/ Vendor Approval of for TMT Bars (Grade 500) manufactured by M/s Shyam Metals and Energy Ltd. The submission is reviewed and found that the submitted credentials and other reports are satisfactory. As such the use of these TMT bars (Grade 500) manufactured by M/s Shyam Metals and Energy Ltd are approved to be used in permanent works at IKTRP; subject to following conditions.

- Manufacturer Test Certificates are required for each consignment of material.
- Third Party test certificates are required for the first consignment and for any randomly selected subsequent consignment.
- A BIS certificate need to be submitted, which shall be valid till the above material is intend to be used. A new BIS certificate will become due whenever the previous one lapse.

The above approval will stand withdrawn in case of any adverse report of the final product. This is for your record and next action.

Please note that Source/ Vendor Approval for TMT bars (Grade 500D) from five manufacturers of steel namely, TATA Tiscon, Jindal Steel, Shyam Steel, SAIL and Electrosteel had already been approved for use in permanent works.

The use of many different manufacturers of steel will make the system complicated. The approved six manufacturers of steel will be adequate to fulfil the requirements of the project. As such, no further manufacturers of steel will be considered for approval.

Thanking You,
Yours faithfully,


S. Rajesh Sharma
Acting Team Leader
CSC-SRCIP, Manipur

Cc: 1. Project Director, EAP, Public Works Department, Imphal-795001, Manipur.
2. Engineer, CSC-SRCIP, 1st Floor, Plot No. 18, Sector 18, Gurgaon - 122015, Haryana.

SMEC International Pty. Ltd.
HQ: 1st Floor, Nexus Tower, West Wing, Plot No. 18,
Sector 18, Gurgaon - 122005 (Haryana), India
T +91 124 400 1100 F +91 124 407 6018 E india@smec.com
www.smec.com

Regd. Office: 225, Vardaan Industrial Plaza,
Park 7, Plot No.10, Sector-12, Dwarka,
New Delhi - 110075



TMT RE-BAR

MAJOR APPROVALS NHAI : DELHI - DWARKA EXPRESSWAY



In Association with M/s CEOMA Consulting

OG/EPC/TL/Vol-V/640

Date: 30.07.2021

The Authorized Signatory,
M/s. J. Kumar Infraprojects Ltd.
Casting Yard, Najafgarh Bijwasan Road,
Dwarka, New Delhi – 77.

Kind Attention: - Shri. R.B. Singh, Regional General Manager.

Sub.: Construction of Dwarka Expressway Package-2 in the State of Delhi on EPC basis –
Source Approval for SHYAM METALICS GROUP-SEL Brand and Electrosteel (ESL).

Dear Sir,

Based on the Laboratory Test Results (Physical & Chemical Properties) obtained from Approved NABL Accredited Laboratory M/s STAR WIRE (India) Ltd Ballabgarh – 121004 (3rd Party Test House) on Samples of SHYAM METALICS GROUP-SEL Brand and Electrosteel (ESL); Source approval is hereby accorded for both the aforesaid makes of Reinforcement Steel in accordance with MoRTH Circular No. RW/NH-34066/09/2017-S&R (B) dated 12th February 2021.

Test results for both the makes of Steel have been found conforming to IS-1786-2008 (RA 2018).

This Superseed our letter no OG/EPC/TL/Vol-IV/504 dated 06.03.2021 issued on the subject.

Thanking you and assuring you our best services at all times.

For Authority's Engineer
Dwarka Expressway Package-2

(Debasish Bhattacharyya)
Team Leader

Enclosure:

Copy of information to:-

1. The Project Director, NHAI (PIU), 201E/A, 2nd Floor, D21, Corporate Park, (Near Dwarka Sector – 8 Metro Station), Sector-21, Dwarka, New Delhi – 110075.
2. The Authorized Representative of AE, STUP Consultants Pvt. Ltd., Ishram Signature Tower, Near ISKCON Temple, Plot No. 5, Pocket B-10, Sector 13 Dwarka, New Delhi – 110078.

Internal:-

1. SQME
2. Circulation Folder.

STUP Consultants Pvt. Ltd.

10/ram Signature, Plot No. 5, Pocket B-10, Sector-13, Dwarka, New Delhi - 110078, India - Tel: 011-45616206, 45616306
E-mail: delhi@stupmail.com

Regd. Office: 1004 85, Rajhwa Chambers, 233, Nariman Point, Mumbai-400021, India - CIN: U74999MH1960PC02649
Tel: +91 (022) 40 86 86 86, Fax: +91 (022) 20 04 04 24

Dwarka Expressway Package-2 Site Office: 99-300, 2nd Floor, Sai Enclave, Dwarka Sector 25, New Delhi – 110077.



TMT RE-BAR

MAJOR APPROVALS NHAI : ODISHA



SHELADIA Associates, Inc.

•Engineers •Development Consultants • Architects

Team Leader Office:

Qr. No. B-5, Saraswati Enclave, Opposite City Railway Station,
Dhankauda, Sambalpur - 768006, Odisha
E-mail: sheladia5525@sheladia.co.in

Authority's Engineer for Supervision of Rehabilitation and upgradation of Angul - Sambalpur Section of
NH-42 in the State of Odisha (Km 112.00 to Km 265.00) under NHDP- IV on EPC mode

Our Ref: SHELADIA/ANGL-SBP/AE/EPC/1036

Date: 07.08.2021

To

Mr. B.V.U. Bhaskar,
Authorised Signatory,
EPC Contractor,
M/s. Gayatri-PTPS (JV)
Project Office, Sambalpur

Sub: Consultancy services for Authority's Engineer for Supervision of Rehabilitation and up-gradation of 4-laning of Angul-Sambalpur Section of NH-42 (New NH No.55) from Km 112.000 to Km 265.000 in the State of Odisha on EPC mode - Review of Test reports of M/s. SHYAM METALICS GROUP, KOLKATA for supply of SEL brand TMT steel - Reg.

Ref: 1 GAYATRI - PTPS/NH-55(A-S)/SHEL/TL/2021/1080 dated 02-07-2021.
2 SHELADIA/ANGL - SBP/AE/EPC/1011 dated 01-07-2021
3 GAYATRI - PTPS/NH-55(A-S)/AE/TL/QA-QC/2021/136 dated 26-06-2021.

Gentleman,

With reference to the letter cited above and subsequent factory inspection of M/s. SHYAM METALICS GROUP, KOLKATA, factory location at Rengali, Odisha by our Material Engineer Mr. Chandra Sekhar along with your representative Mr. B. Uma Shankaram on 8th July 2021 and witnessed the testing at factory laboratory. The test results of sample at factory laboratory as well as independent test house were found satisfactory with respect to IS 1786-2008.

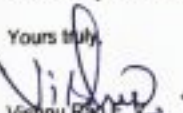
Therefore, we hereby accord our consent to procure the SEL brand TMT rebar of Fe 500D of dia 8mm to dia 32mm to use in the project works.

You are required to follow the IS/IRC and MORT&H 5th revision for procurement, frequency testing, storing of materials and stock maintenance.

We reserve our right to reject the source without prior notice if it is found that the product proved to be unacceptable.

This is for your information and further necessary action.

Yours truly,


Vishnu Rao
Team Leader

C.C. - The Project Director, PIU-NHAI, Sambalpur
Dr. G. Murali Krishna, Director, India Operations, SHELADIA Associates, Inc.
Mr. V. Nageswara Rao, Resident-cum-Highway Engineer, SHELADIA Associates, Inc.
Mr. D. Sreenivasa Rao, Bridge/ Structural Engineer, SHELADIA Associates, Inc.
S/o Chandra Sekhar Babu Ganji, Material Engineer, SHELADIA Associates, Inc.

Home Office:
15825 Shady Grove Road, Suite 100, Rockville, MD 20850,
USA Tel: +1-301-948-3939. Fax: 301-948-7174

Indian Regional Office:
"Amrta Classic", Flat No. 1, 1A, 2 & 2A,
Door No. 9-1-127/4 & 127/4/1, 4th Floor,
P. B. Road, Secunderabad - 500003, Telangana, India.



TMT RE-BAR

MAJOR APPROVALS NHAI : ODISHA



STUP Consultants Pvt. Ltd.

In
Joint Venture
with

Authority's Engineer for supervision of Rehabilitation and Upgradation of NH-149 from Km 0.000 – 68.280 (Pallahara to Pitiri Section) to two lane with paved shoulders under NHDP – IVA in the State of Odisha on EPC mode

AE/Contractor/14-15/0050

Date-27.03.2015

To,
The Project Manager
RKD-KMC-(JV)
Project Office behind Kathia Ohaba
At/P.O-Kantiapost
Via- Khamar
Dist- Angul (Odisha)
Pin: 759100

Sub.: Authority's Engineer for supervision of "Rehabilitation of NH-149 from Km 0.000 – Km 68.280 (Pallahara to Pitiri Section) to two lane with paved shoulders under NHDP – IVA in the state of Odisha on EPC basis" – Source Approval of Reinforcement Steel.

Ref: - 1) Contractor's Letter, Nos - 011, dtd. 17.03.2015 and 015 dtd. 20.03.2015
2) This office Letter No. AE/Contractor/14-15/042 dtd. 18.03.2015

Dear Sir,

Adverting to the referred letters under captioned subject, Authority's Engineer has reviewed the Company Profile, Credentials, General features of the product / process/ system with Specifications and Standards adopted, Copies of License and agreement, Acceptance test and criteria, Details of project where the product / process / system has been successfully used, limitations (if any) from the brochures as submitted vide letter under reference sl. 1.

We observed that following manufacturers of Reinforcement Steel are original producers conforming to stipulations of Clause 8.8.2(f), Page No.73 of Manual of Standards & Specifications (IRC : SP : 73-2007)

1. Shyam Metals and Energy Limited.
2. Concast Steel and Power Limited.
3. Scan Steel Limited.

In view of above, we approve these three sources for procurement of Reinforcement Steel for use in permanent work subject to condition that Reinforcement Steel of each lot delivered at site should meet the specified requirements as per Standards and Specifications. Relevant test certificates should be furnished along with each consignment of reinforcement steel.

With best regards,
For, STUP-ARKITECHNO (JV)


R.K. Patra
Team Leader



Cc:
1) Executive Engineer, NH – Division, Pallahara for Information.
2) Master File.

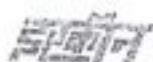
PROJECT OFFICE: House of Mr Hari Prasad Sahu, 1st & 2nd Floor, Bajar Sahu, Pallahara, Dist-Angul, Odisha – 759119, Tel.No.9337353148

E-Mail: stupaodisha@gmail.com



TMT RE-BAR

MAJOR APPROVALS IRCON : DELHI



IRCON INTERNATIONAL LIMITED



(A Govt. of India Undertaking)
C-4, District Centre, Saket,
New Delhi-110017

Corrigendum No. 1 Dt. 16.07.2020

Ref : e-Tender No. IRCON/2061/DSTPP/Laikera & Kechobahal/03 Date: 02.07.2020

Name of work: Construction of Railway Siding connecting MGR System of Dulanga Mine-Darlipali STPP with MCL's Siding for Darlipali Super Thermal Power Project, Stage-I (2x800 MW) Laikera & Kechobahal Siding.

In connection with above tender, the following correction/modification is made in the original uploaded tender document under Corrigendum No. 1 :

Description/Clause No./page No.	As per original uploaded document	As Corrected/Modified
Clause No. 1 of Notice Inviting e-Tender, in table at Page No. 4. Estimated Cost shown as	Rs. 128.74 Cr (Including GST)	Rs. 128.75 Cr (Including GST)
Clause No. 6.4 of Notice Inviting e-Tender at Page No. 5, in third & forth line	Project Head, IRCON INTERNATIONAL LIMITED Flat No. 102, Shanti City Centre Apartment, Behind Big Bazar, Jharsuguda-768201.	Chief General Manager / C.G.M. IRCON INTERNATIONAL LIMITED C-4, District Centre, Saket, New Delhi-110017
Formats of Form of Bid (Page-10), on top of the format address to be modified.	To, NTPC LIMITED, Acting Through Project Head/Darlipali, IRCON INTERNATIONAL LIMITED, Flat No. 102, Shanti City Centre Apartments, Behind Big Bazar, Jharsuguda-768201	To, NTPC LIMITED, Acting Through Chief General Manager / C.G.M. IRCON INTERNATIONAL LIMITED C-4, District Centre, Saket, New Delhi-110017
Format of B. G. for advance payment- Annexure-VIII (Page-74), Format of B. G. for EMD - Annexure-IX (Page-75), Format of B. G. for release of 50% retention money - Annexure-X (Page-77), Format of Performance B. G. - Annexure-XI (Page-78), & - Format of Form of acceptance of Final Prevention Policy Annexure-XVIII (Page-85). On top of the all above formats address to be modified.	To, NTPC LIMITED, Acting through Project Head / Darlipali, IRCON INTERNATIONAL LIMITED Flat No. 102,Block-A,Shanti City Centre Apartments, Behind Big Bazar, Jharsuguda-768201, Odisha. Phone:06645 270132, Email: ircon.2061@ircon.org	To, NTPC LIMITED, Acting Through Chief General Manager / C.G.M. IRCON INTERNATIONAL LIMITED C-4, District Centre, Saket, New Delhi-110017



TMT RE-BAR

MAJOR APPROVALS IRCON : DELHI

Description/Clause No./page No.	As per original uploaded document	As Corrected/Modified				
Clause No. 9.4 (Reinforcement & Structural Steel) of SCC at page No. 55 to 56	Entire Clause is to be replaced	9.4	Steel			
		9.4.1	Steel Reinforcement:			
		Reinforcement steel (Fe 500) shall be procured by the contractor at the own cost conforming to IS. 1786 with latest correction/amendments.				
		The steel to be procured for the work shall be manufactured by one of the following, which are Established, reliable, Indigenous & Primary Producers of Steel, having Integrated Steel Plants (ISP), using iron ore as the basic raw material and giving in-house iron rolling facilities, followed by production of liquid steel and crude steel, as per Ministry of steel's guidelines. As on date, following firms are on approved list of RDSO:				
		Sl. No.	Name of Company	Work Address	Initials	State
		1.	Steel Authority of India Limited	IISCO, Burnpur	SAIL	West Bengal
		2.	Steel Authority of India Limited	Bokaro	SAIL	Jharkhand
		3.	Steel Authority of India Limited	Bhilai	SAIL	Chhattisgarh
		4.	Steel Authority of India Limited	Rourkela	SAIL	Orissa
		5.	Steel Authority of India Limited	Durgapur	SAIL	West Bengal
		6.	Rashtriya Ispat Nigam Limited	Visakhapatnam	SAIL	Andhra Pradesh
		7.	Tata Steel Limited	Jamshedpur	TATA TISCON	Jharkhand
		9.	JSW Steel Limited	Vijayanagar	NEO STEEL	Karnataka
		10	Jindal Steel & Power Limited	Raigarh	JINDAL	Chhattisgarh
				Bakura	PANTHER	Jharkhand
		11	Shri Bajrang Power & Ispat Ltd	Raipur	GOEL	Chhattisgarh
		12	Shyam Steel Industries Limited	Durgapur	SHYAM	West Bengal
		13	Electrosteel Steels Limited	Bokaro	ELECTROSTEEL	Jharkhand
		14	SRMB SRIJAN Pvt. Ltd.	Durgapur	SRMB 500+SR (8-25mm) & SRMB (28-40mm)	West Bengal
		15	Real Ispat & Power Limited,	Raipur	GK TMT	Chhattisgarh
		16	M/s Shyam Metals & Energy Ltd	Pandit	SEL	Odisha
		17	M/s. Rashmi Metals Limited,	Shyamraipur	RASHMI	West Bengal
		18	M/s Reliable Sponge Pvt. Ltd	Kalunga	Reliable	Odisha



TMT RE-BAR

MAJOR APPROVALS IRCON : DELHI

19	M/s. Shyam SEL & Power Ltd. Sister Concern: M/s. Shyam Metals & Energy Ltd.	Bijaynagar,	SEL	West Bengal
20	M/s. Shree Nakoda Ispat Limited,	Sitara	Nakoda	Chhattisgarh

Steel reinforcement may be also be procured from any other RDSO approved vendors, works/plants registered with RDSO as primary steel producers having ISP.

On the date of purchase, firm should have been on the valid approved list of RDSO for the items/ diameters and quality being procured.

The contractor shall disclose the source from where supplies of Steel is received by him and maintain a detailed record of receipt of steel from different sources and shall keep the challan, receipts number of lorry number, etc. and store balance in a register as directed by the Engineer-in-charge and produce the same to the Engineer as and when demanded. IRCON reserves the right to inspect the plant / works of contractor's supplier.

Material to be used should be purchased from authorized and approved sources only. The contractor must submit Manufacturer's Test Certificates and Vouchers. All steel shall be free from rust, scales, laminations, cracks and other surface defects.

In any specific case such as scarcity/shortage/non-production etc., the contractor may approach & request The Engineer / Employer, with supporting test certificates satisfying the required quality standards, to approve another source. This will be at sole discretion of The Engineer to accept/reject contractor's request as in the interest of work.

Binding wires used for binding the reinforcement shall be of approved quality soft GI wire not less than 1 mm (18 SWG) size, conforming to IS: 280 & IS: 4826.

9.4.2 Structural Steel:

Structural steel shall be procured by the contractor of the following manufacturer:

1. SAIL
2. RINL
3. TISCO
4. JINDAL

The Contractor shall procure structural steel from any of the above manufacturers in accordance with the specifications of the contract. The Contractor shall submit the proof of procurement of structural steel from the above agencies. The Contractor shall also submit the test certificates regarding the quality of the steel.



TMT RE-BAR

MAJOR APPROVALS IRCON : DELHI

Description/C ause No./Page No.	As per original uploaded document	As Corrected/Modified
New Clause No. 55 to be added in SCC after clause No. 54.7 on Page No. 73		55. Payment through Discounting of Bills on TReDS Exchange (a) With introduction of MSME TReDS platform by the Ministry of Heavy Industries & Public Enterprises, IRCON has entered into Master agreement with M/s RXIL (Receivable Exchange of India Limited) for setting up TReDS Exchange where MSEs vendors of IRCON have the option to realize their payment before due date by discounting their bills on MSME TReDS Exchange Platform of M/s RXIL. If MSEs vendors are willing to avail facility of discounting their bills through TReDS Exchange, they will first have to enter Master Agreement with M/s RXIL and share a copy of Agreement with IRCON. (b) In such cases, after logging in to TReDS Exchange, MSEs vendor is required to create a factoring unit on the basis of invoice after deductions/recovery of all statutory dues. It may be noted that the factoring unit shall be verified by IRCON for net payable amount only, i.e. after recovery / deduction of statutory dues and as per terms and conditions of the Contract Agreement. (c) In case, the factoring unit gets financed by financiers in the RXIL's TReDS platform Exchange, IRCON's payment liability towards MSEs vendors ceases to be existed, in such cases IRCON, shall make payment to the ultimate financier on the due date of payment as per terms of the Contract Agreement. (d) In the event of factoring unit remains unfinanced, IRCON shall make the payment directly to the MSEs vendor's account through Electronic Clearing System (ECS) mode. The contractor shall furnish his Banker's details in addition to his own bank account details. All amounts payable to the contractor shall be directly credited to his bank account. (e) IRCON shall not be liable for any damages, losses, claims and liabilities (including legal cost) resulting from any of the following : (i) MSEs vendor's inability to use RXIL's TReDS Platform or it's services. (ii) any defect in services on the TReDS platform from any participant or any other third party through the site. (iii) Unauthorized access by third parties to data or private information of any user/participant. (iv) any matter relating to services however arising, including negligence.

All other clauses/terms and conditions of the above referred tender documents shall remain unchanged.

This amendment shall form a part of the tender documents for the above tender.

For & on behalf of
IRCON INTERNATIONAL LIMITED

(Ankush Gupta)
Chief General Manager / CCP

SEEL[®]

TMT RE-BAR

GOV. & PVT. PURCHASE ORDERS

ಕರ್ನಾಟಕ ರೂರಲ್ ಇನ್‌ಫ್ರಾಸ್ಟ್ರಕ್ಚರ್ ಡೆವಲಪ್‌ಮೆಂಟ್ ಲಿಮಿಟೆಡ್
(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಉದ್ಯಮ)
(ಒಂದಿಂಥ ಕರ್ನಾಟಕ ಭೂಸೇವಾ ನಿಗಮ ನಿಯಮಿತ)
KARNATAKA RURAL INFRASTRUCTURE DEVELOPMENT LTD.,
(A Government of Karnataka Undertaking)
(Formerly Karnataka Land Army Corporation Limited)



No: KRIDL/Works/Steel/Tender/2014-15

Date : 10/06/2015

To :
M/s. Shyam Metals & Energy Limited
Trinity Tower,
83, Topsa Road, 7th Floor Kolkata
West Bengal

LETTER OF ACCEPTANCE

Sir,

SUB : Tender for Supply of TMT Steel Bars to KRIDL Project Reg.
REF : 1) NO: KRIDL/WKS/Steel/Tender/2014-15. Dt: 13/02/2015
2) Tender Scrutiny Committee Proceedings Dt: 03/06/2015

Adverting to the above cited subject and reference, approval is communicated to the lowest/revised rates and amount quoted in the tender by your firm for supply of TMT Steel Bars to KRIDL Projects and details listed below.

Particulars of Tender	Name of the firm	8mm to 25 mm Dia Qty in MT	Approved rate per MT inclusive of all taxes FOR destination in Rs.	Amount (Rs).	Amount in words
IND 87 South Part Bangalore, BBMP, Mysuru, Chitradurga Zone.	M/s. Shyam Metals & Energy Ltd	3500	44270.00	154945000.00	154945000.00 (Fifteen Crore Forty Nine Lakhs Forty Five Thousand only)
	8 mm dia to 25mm dia MT				
		3500		154945000.00	

List of approved Rates for supply of TMT Steel bars is inclusive of all taxes, FOR Destination to various KRIDL projects is enclosed.

Please enter into an agreement with KRIDL as per the tender stipulated conditions. Performance security deposit has to be furnished in favour of Managing Director, KRIDL, Bangalore for Rs.1549450.00 in any one of the form stipulated in the tender (1% of value of approved amount).

The Supply order based on the requirement will be placed by respective The Executive Engineer, KRIDL project indicating quantity. Test certificate shall be submitted along with each consignment.

Encl: Rate List

Your faithfully,

MANAGING DIRECTOR
KRIDL, Bangalore.



TMT RE-BAR

GOV. & PVT. PURCHASE ORDERS



GPT Infraprojects Limited

Regd. Office : GPT Centre, JC - 25, Sector-III, Salt Lake, Kolkata-700 098, India. CN:181028VH180K302672
Tel : +91-33-4050-7000 Fax : +91-33-4050-7999 E-mail : info@gptgroup.co.in Visit us : www.gptgroup.co.in

Purchase Order No - Z1001710

19th September, 2017

SHYAM METALICS AND ENERGY LIMITED
VIII:- Pandoli, P.O:- Rengali,
Dist :- Sambalpur,
Odisha - 768212

Kind Attn: Mr. Subhasish Mukherjee

Dear Sir,

With reference to your quotation no. SMEL/STRUCTUR/SEPT/042/17-18 dated 15/09/2017 and subsequent discussions the undersigned had with you, we are pleased to place our order for supply of Structural Steel for our Sankrail site at West Bengal as per terms & conditions given below:

Materials	QTY	Rate/MT
ISA 65 x 65 x6	25 MT	30,805
ISMC 200	1 MT	30,805
ISMC 150	2 MT	30,805
ISMC 100	2 MT	30,805
ISMB 200	5 MT	30,805
TOTAL	35 MT	

Price & Tax:

The prices are inclusive of all taxes and duties but subject to GST @ 18%.

Delivery:

Immediate and transportation to be arranged by you and we shall pay Rs. 1,900/- PMT + GST extra as freight charges upto our site.

Payment Terms:

30 days credit.

Test Certificate:

Test Certificate from the original manufacturer has to be provided along with the delivery of materials.

Consignee Address:

GPT Infraprojects Limited
Near Sankrail Station,
Level Crossing No. 3,
Sankrail, West Bengal - 711313

Billing Address:

GPT Infraprojects Limited
JC-25, Sector-III,
Salt Lake City,
Kolkata-700098.

Contact Person at site: Mr. Madhab Banerjee (M) +919073351422

Our GSTN: 19AAACT9793J1ZJ

Yours sincerely,

For GPT Infraprojects Limited

Amith Kumar Saraf
(Manager - Purchase)



TMT RE-BAR

GOV. & PVT. PURCHASE ORDERS

PO:16:PS:0005:PUR:156



Bharat Heavy Electricals Limited
Power Sector Southern Region
690, Anna Salai, Nandharan, Chennai 600 035

PURCHASE ORDER

Supplier Code: PS1883

SHYAM METALICS AND ENERGY LIMITED

Trinity Tower, 7th Floor, 83, Tapsia Road, Kolkata - 700046. Ph No. 0334016 4000.
kolkata
INDIA

SUB: PURCHASE ORDER NO PO:16:PS:0005:PUR:156 Dated 24-Mar-2017

REF: Our Enquiry no IND:16:PS:0005:PMX:61 Dated 24-Mar-2017.

Your offer on MOU/MM/STEEL/15657/STRUCTURALS&TMT/BXT03 Dated 08 Sep 2016

LOI reference no. PO:16:PS:0005:PUR:156

With reference to above, we are pleased to place an order on you for the supply of following items, on conditions as per terms and conditions mentioned in order number PO:16:PS:0005:PUR:156 and annexures attached

SN O	ITEM DESCRIPTION	PROJECT	QTY	LOT NO	ITEM RATE (INR)	DELIVERY DATE	AMOUNT (INR)
1	TMT 12 MM , FE-500D	KARNATAKA POWER CORPORATION LTD 370 MW YELAHANKA CCPP	30 MTS	1	29450	08-May-2017	883500
2	TMT 10 MM , FE-500D	KARNATAKA POWER CORPORATION LTD 370 MW YELAHANKA CCPP	25 MTS	1	30476	08-May-2017	761900
3	TMT 16 MM , FE-500D	KARNATAKA POWER CORPORATION LTD 370 MW YELAHANKA CCPP	60 MTS	1	29450	08-May-2017	1767000
4	TMT 20 MM , FE-500D	KARNATAKA POWER CORPORATION LTD 370 MW YELAHANKA CCPP	25 MTS	1	29450	08-May-2017	736250
5	TMT 8 MM , FE-500D	KARNATAKA POWER CORPORATION LTD 370 MW YELAHANKA CCPP	35 MTS	1	30476	08-May-2017	1066660

Registered Office: BHEL House, Siri Fort, New Delhi-110049, India

page 1



TMT RE-BAR

THIRD PARTY TEST CERTIFICATES



भारतीय प्रौद्योगिकी संस्थान खड़गपुर
खड़गपुर - ७२१३०२, भारत
Indian Institute of Technology Kharagpur
Kharagpur - 721 302, India

Department of Metallurgical & Materials Engineering

Dated: 25th June, 2020

To,
Mr. A. K. Choudhary (Team Leader)
TASPL Technocrats Advisory Services Private Limited
C/o. Rana Bipin Pratap Singh
Jai Shakti Nagar Colony, Civil Line/Police Line Road
Near Central Academic School, P.O- GANDHI NAGAR
Dist.-Basti, Uttar Pradesh-272001

Project Name: NH-227A Chhawani Chhapia road project in Uttar Pradesh
Letter Ref. No. TASPL/Chhawani-Chhapia/NH-227A/2020/049 dated 27.02.2020

Chemical Composition Analysis of (SEL TMT) Bars

Serial No.	Sample Diameter	Wt.% C	Wt.% Mn	Wt.% S	Wt.% P	Wt.% (S+P)	Remark
1.	8 mm	0.229	0.75	0.021	0.036	0.057	As (wt%) C $\leq$ 0.25, S $\leq$ 0.040, P $\leq$ 0.040, (S+P) $\leq$ 0.075; all the SEL TMT bars are of Fe 500D (IS 1786:2008) standard.
2.	10 mm	0.191	0.67	0.022	0.037	0.059	
3.	12 mm	0.211	0.72	0.021	0.035	0.056	
4.	16 mm	0.195	0.65	0.025	0.034	0.059	

Tarun K. Kundu 25/06/2020



Dr. Tarun K. Kundu
Professor
Department of Metallurgical and
Materials Engineering
Indian Institute of Technology
Kharagpur-721302, INDIA

Prof. Tarun Kumar Kundu,
Department of Metallurgical and Materials Engineering,
Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, INDIA - 721302
E-mail: tkkundu@meta.iitkgp.ac.in; tkkundu@gmail.com
Tel: 03222 283296



TMT RE-BAR

THIRD PARTY TEST CERTIFICATES

भारत सरकार Government of India		FORM NO : NTH/SLF/5	
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र) National Test House (Eastern Region)			
ब्लॉक - सी पी, सेक्टर - 5, साइट लेक सिटी, कोलकाता - 700 091 Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091			
परीक्षण प्रणाली का नाम			
Number of Copies Issued एकल Test Certificate No. NTH/ER/M/L/2020/01186	Single	TEST CERTIFICATE	
		INTERIM/FINAL REPORT	
जारी होने की तिथि Date of Issue 25/06/2020	कोड नं Code No 1581324823658	पृष्ठ Page 1	पृष्ठों की संख्या No of Pages 2
जिसे जारी करना है Issued To	SHYAM METALICS AND ENERGY LTD., SAMBALPUR		
पता Address	Shyam Metalics & Energy Limited, Pandol, Lapanga, Rengail, Sambalpur - 768212 (Odisha)		
ग्राहक का संदर्भ सं एवं दिनांक Customer's Ref. No.	SMEL/TMT-06/20	Date: 07/02/2020	
रजिस्टर सं एवं दिनांक Register No & Date	00119/NTH(ER)/M/L/12/02/2020		
परीक्षण सामग्री का विवरण Description of Test Item	Sample stated as "TMT Samples (HSDS Bars) 20mm as per IS 1786:2008 for Grade of Fe 500D"		
परीक्षण सामग्री का पहचान Identification of Test Item	Quantity of Sample found as "6 Nos x 1m long 20mm dia deformed steel bar and 3 Nos x 1m long 20mm dia plain round steel bar". Embossed mark observed on the deformed bar as "SEL 500D 523162 ISI 20"		
नमूना का विनिर्देश (यदि हो) Product Specification (If any)	As per IS 1786:2008.		
नमूना प्राप्ति की तिथि Date of Receipt of the Test Item	10/02/2020		
कार्य सम्पादन की तिथि Date(s) of Performance of Tests	From: 27/02/2020 To: 24/06/2020		
वास्तविक प्रणाली का उद्घाटन Method(s) used for Test	As per IS 1603 (Part-1):2013, IS 1599:2012(RA 2017), IS 228, IS 1786:2008 (RA 2013), IS 2770 (Part-1):1967(RA2017)		
नमूना प्रक्रिया यहाँ प्रासंगिक हो Sampling Procedure where relevant	NA		
Tested By P. Banerjee Pratibha Banerjee SO Mechanical	Checked By Angad Verma Scientist- B (Mechanical)	Approved By Rajesh Kumar Scientist- C (NDT)	



TMT RE-BAR

THIRD PARTY TEST CERTIFICATES

भारत सरकार Government of India		FORM NO : NTH/SLF/IS	
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र) National Test House (Eastern Region)			
ब्लॉक - सी पी, सेक्टर - 5, साल्ट लेक सिटी, कोलकाता - 700 091 Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091			
परीक्षण प्रमाण पत्र			
Number of Copies Issued	Single	TEST CERTIFICATE	
परीक्षण प्रमाण पत्र सं.	वारी होने की तिथि	कोड नं.	पृष्ठ
Test Certificate No	Date of Issue	Code No	Page
NTH/CP/MSL/2020/00118E	25/06/2020	1581334823058	2
		INTERIM/FINAL REPORT	
		पृष्ठों की संख्या	No of Pages
		2	2
Sl. No.	Test Name	Test Result	Limit
1	Tests Results	As per Annexure I 5.	-
टिप्पणी Note	-		
टिप्पणी Remarks	In respect of tests carried out, the sample meets the requirements of IS 1786:2008 for Fe 500D Grade.		
Tested By P. Banerjee Pradip Banerjee SO Mechanical		Checked By Angad Verma Scientist- B (Mechanical)	Approved By Rajesh Kumar Scientist- C (NDT)



TMT RE-BAR

THIRD PARTY TEST CERTIFICATES

 भारत सरकार
Government of India
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)
ब्लॉक - सी पी, सेक्टर - 5, साइट लेक सिटी, कोलकाता - 700 091
Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091

FORM NO : NTH/SLF/IS


ANNEXURE 15

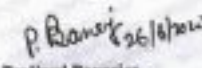
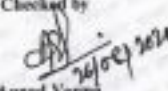
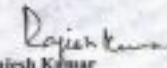
Test certificate No. Code No Page No. of pages
NTH(ER)/M(L)/2020/081198 1581324823658 1 2

Sample Description: Stated as "TMT samples (HSDS Bars) 20mm, as per IS 1786:2008 for Grade Fe 500D".

Observation: Quantity of Sample found as "6 Nos x 1m long 20mm dia deformed steel bar and 3 Nos. x 1m long 20mm dia plain round steel bar". Embossed mark observed on the deformed bar as "SEL 500D 523162 ISI 20".

Test Result

Sr No.	Parameters	Clause No. of Specification	Result	Permissible limits
1.	Mass per Meter, kg	6.2	2.55	2.47 - 4 % + Not Limited
2.	Cross-Sectional Area, mm ²	6.2	325.0	314.3 (Nominal)
3.	0.2 % Proof Stress / Yield Stress, N/mm ²	9.2	515.0	500.0 Min.
4.	Tensile Strength, N/mm ²	9.2	599.8	565.0 Min.
5.	TS/YS Ratio	9.2	1.16	1.10 Min.
6.	Elongation on Gauge Length of 5.65√A, %	9.2	25	16.0 Min.
7.	Total Elongation at maximum force, %	9.2	6.0	5 Min.
8.	Bend Test (Mandrel Dia: 3Ø)	9.3	Satisfactory	Shall be no rupture or crack visible to a person of normal or corrected vision on the bent portion.
9.	Re-bend Test (Mandrel Dia: 6Ø)	9.4	Satisfactory	Shall be no rupture or crack visible to a person of normal or corrected vision on the rebent portion.
10.	Chemical Composition	4.2	As per "ANNEXURE - A5"	As per Clause 4.2

Tested by Checked by Approved by
 26/01/2020  26/01/2020 
Projwal Banerjee Anand Verma Rajesh Kumar
SO (Mechanical) Scientist B (Mechanical) Scientist C (NDT)

SEL®

TMT RE-BAR

THIRD PARTY TEST CERTIFICATES


भारत सरकार
Government of India
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)
 ब्लॉक - सी पी, सेक्टर - 5, साल्ट लेक सिटी, कोलकाता - 700 091
 Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091

FORM NO : NTH/SL/F/5



ANNEXURE - 15

Test certificate No. NTH(ER)/M(L)/2020/90119E Code No 1581324823658 Page 2 No. of pages 2

Sl No.	Parameters	Clause No. of Specification	Result	Permissible limits
11.	Freedom from defects	4.3	Satisfactory	Bar shall be well and clearly rolled and shall be sound and free from surface defects and pipe or other defects detrimental to its subsequent processing and to its use.
12.	Deformation & Surface Characteristics	5.2	Found Satisfactory with 2 Nos. of longitudinal ribs parallel to axis of bar and 2 rows of inclined transverse ribs.	Shall consist of two longitudinal ribs in the form of continuous helix in case of twisted bars and optional longitudinal ribs in case of untwisted bar. Transverse ribs shall be uniform in size and shape in each row and are spaced along the length of bar at substantially uniform distance.
13.	The mean projected rib area, mm ² /mm	5.2	3.49	3.40 Min.
14.	The mean projected rib area of transverse ribs alone, mm ² /mm	5.2	(i) 1.76 & (ii) 1.73	1.13 Min.
15.	Pull Out Test	5.7	As per "ANNEXURE - ES"	The bond strength of calculated from load at measured slip of 0.025mm and 0.25mm for deformed bar shall exceed that of plain round bar of the same nominal size by 40% and 80% respectively.

Tested by *P. Banerjee* 26/6/2020 Checked by *Angad Verma* 26/6/2020 Approved by *Rajesh Kumar*
 Pragnal Banerjee Angad Verma Rajesh Kumar
 SO(Mechanical) Scientist B (Mechanical) Scientist C (NDT)

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TMT RE-BAR

THIRD PARTY TEST CERTIFICATES

भारत सरकार
Government of India

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)

ब्लॉक - सी पी, सेक्टर - 5, साल्ट लेक सिटी, कोलकाता - 700 091
Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091

FORM NO : NTH/SLF/5

ANNEXURE - A5

Test certificate No. NTH(ER)/M(L)/2020/00119E Code No. 1581324823658 Page 1 No. of pages 1

Sample Description: Stated as "TMT Bar of nominal dia 20mm".

Test Result:

Test Parameters	Test Result	Permissible limits
	TMT Bar of nominal dia 20mm	
Chemical composition, % by mass	C-0.24, S-0.039, P-0.044, S+P-0.083 Ceq-0.33 N-0.004	IS 1786:2008

Tested by
Ishta Sur
SA (Chemical)

Checked by
Dr. A. B. Mondal
Scientist B (Chemical)

Approved by
Dr. S. N. Bandyopadhyay
Scientist C (Chemical)

SEL®

TMT RE-BAR

THIRD PARTY TEST CERTIFICATES


भारत सरकार
Government of India
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)
 ब्लॉक - सी पी, सेक्टर - 5, साइट लेक सिटी, कोलकाता - 700 091
 Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091

FORM NO : NTH/SLF/5



TEST CERTIFICATE
ANNEXURE-E5

Test Certificate No. **NTH(ER)/M(L)/2020/00119 E**
 Code No. **1581324823658**
 Page **1**
 No. of Pages **1**

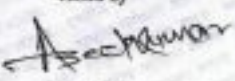
Test Result of 20 mm. Dia HSDS (TMT) Bar, Grade Fe 500.

Pull out test (Comparative bond Strength test as per cl 5)
Bond Stress, in N/mm^2 at 28 days

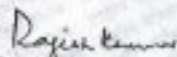
S. No	Test	Test Results		Requirements of Cl. 5 of IS 1786: 2008.
		Plain Bar	HSD(TMT) bar	
a	Bond Stress at 0.025mm slip i. Bond Stress, in $N/sq\ mm$ ii. Percentage increase against corresponding Plain Bar.	2.58 --	4.03 56.2	-- Min. 40% increase against corresponding plain bar
b	Bond Stress at 0.25mm slip i. Bond Stress, in $N/sq\ mm$ ii. Percentage increase against corresponding Plain Bar.	3.10 --	5.84 88.4	-- Min. 80% increase against corresponding plain bar
c	Bond Stress at Ultimate failure i. Bond Stress, in $N/sq\ mm$ ii. Percentage increase against corresponding Plain Bar.	3.11 --	5.86 88.4	-- --

Note: The Compressive Strength of Concrete used in this test was $24.6 N/mm^2$ at 28 days.

Remarks: In respect of the test carried out, the sample meets the requirement of clause 5.7 of IS 1786 : 2008 (Forth Revision) for the Comparative bond strength of High Strength Deform Steel Bars of Nominal diameter 20 mm

Tested by 
 Ajeet Kumar
 S. O. (Civil)

Checked by 
 Debasish Sarkar
 Scientist C(RPT)

Approved by 
 Rajesh Kumar
 Scientist C(NDT)



TMT RE-BAR

THIRD PARTY TEST CERTIFICATES

ANULAB[®]

INDUSTRIAL TESTING & ANALYTICAL LABORATORIES
ISO 17025, NABL Accredited Lab Certificate No.: TC-7072
 212 km Milestone, NH-2, Agra Kanpur Road, Nagla Rambaksh
 Post: Dhaura, Tehsil: Etmadpur, Agra-283202, Uttar Pradesh, India
 Cell: +91-9857052093, Ph: +91-562-2852093, Fax: +91-562-2852826
 Email: research@anulab.org Website: www.anulab.org

CENTRE FOR INSPECTION, TESTING & CERTIFICATION OF MATERIALS-CITCOM
 No. 016-4316-91541 Date: 20.01.2020

TEST CERTIFICATE

ISSUED TO: M/s. TPF Getinto Euroestudios SL in association with Segmental Consulting & Infrastructure Advisory (P) Ltd BGRBHPL NH-16, km.164 LHS, Dahnada Base Camp Balasore-756045, Odisha, India	CLIENT'S REF.: Reference- Letter No.: Nil dated 28.12.2019 sample drawn by the client and submitted to the lab at Agra on 17.01.2020 Period of Testing : 17.01.2020 to 20.01.2020
SAMPLE DESCRIPTION: Reinforcement Steel TMT Bar Sample Brand: SEL 500D, Dia of Bar: 12 mm Submitted Sample Quantity: 1m x 3 pieces	TEST SPECS. & REF. STD.: Mechanical & Chemical Tests on High Strength Deformed Steel Bars for Concrete Reinforcement Reference Standard.: IS 1786: 2008 RA 2013
PROJECT: Rehabilitation and Upgradation of 6 Laning Bhadrak to Balasore Section of NH-5(New NH-16) from km136.500 to km 199.141 in the state of Odisha to be executed on Hybrid Annuity Mode (HAM) project under NHDP phase V. PAYMENT BY: M/s. Shyam Metals and Energy Limited, Sambalpur	

RESULTS

Sl.	Test Characteristics	Symbol	Unit	Test Method	Results	Fe 500D Limits	Conformity
1.	Carbon	C	%	ASTM E415-17	0.16	0.27 Max.	Yes
2.	Sulphur	S	%		0.016	0.045 Max.	Yes
3.	Phosphorus	P	%		0.028	0.045 Max.	Yes
4.	Sulphur+Phosphorus	S+P	%		0.044	0.085 Max.	Yes
5.	Mass Per Meter Run	—	kg/m	IS 1786:2008	0.867	0.835-0.941	Yes
6.	Cross-Sectional Area	S _a	mm ²		110.47	106.37-119.87	Yes
7.	Initial Gauge Length	L ₀	mm		59.38	—	—
8.	Final Gauge Length	L _u	mm		74.04	—	—
9.	Breaking/Ultimate Load	F _m	kN	IS 1608 (Part 1) :2018	73.8	—	—
10.	Yield Load/0.2% Proof Load	—	kN		65.8	—	—
11.	Ultimate Tensile Strength-UTS	R _m	N/mm ²		668	565 Min.	Yes
12.	Yield Stress (YS)	R _{0.2} /R _s	N/mm ²		596	500 Min.	Yes
13.	Percentage Elongation	A	%	IS 1599:2019	24.68	16.0 Min.	Yes
14.	TS/YS Ratio	R _m /R _s	—		1.12	≥1.1	Yes
15.	Bend Test at 180°	—	degree		No Crack	No Crack	Yes
16.	Rebend Test at 135°&157½°	—	degree		No Crack	No Crack	Yes



Identification TMT Bar-12 mm



ULR-TC707220000000097F

Certified & Approved by

RBS

R. B. Singh

Chief Coordinator

Authorised Signatory

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NOTE: 1. Test results shall refer only to the samples and applicable parameters. Endorsement of products is neither intended nor implied. 2. Total liability of the laboratory is limited to the involved amount. 3. This is not to be reproduced whole or in part & cannot be used as an evidence in the Court of law & should not be used in any advertising media without our explicit permission in writing. 4. Samples will be returned after three months from the date of issue of Test Certificate unless otherwise specified. 5. In case of any reconfirmation of contents of this certificate is required, please contact our office. 6. This report is valid issued on the specific date and time. 7. ANULAB will not be involved in any action following interpretation of the above results. 8. Limited to legal jurisdiction. PROFESSIONAL MEMBER INC, GCI, IGS, ICI, ISAS & ICACI + TRAININGS FROM NITRR SERC IITR CERI CERI NCB NPL IITR



TMT RE-BAR

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- 6 Adani Infra (India) Limited, Gujarat
- 7 Adhunik Power & Natural Resources Ltd, Kolkata
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TMT RE-BAR



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