

INSPIRED BY
LIFE



**PROFILE
BOOK**



MS AGARWAL FOUNDRIES PVT. LTD.

A Primary Steel Producing Company from mines to mills

 8886220202

 ms@msagarwal.com



MS[®]
LIFE
600+
CRS TMT



VISION

We believe we can make the world a safe place by manufacturing steel of competitive pricing and this will be achieved by using the latest technologies, optimizing resources & unwavering commitment from us. Let's make this world a better place to live.

VALUES

- Client Value Creation
- Respecting Individual
- Integrity
- Empowerment
- Innovation



MISSION

We aim to achieve success through strong team work, manufacturing high quality products and skills benefitting the end customer. We like to be the first choice of our customers by also providing competitive pricing and prompt service with committed time of delivery. We aim to increase our manufacturing output to 30000 MT TMT per month to achieve the said mission by 2026-27.





KLIN

Conversion of Iron Ore, Imported Coal & Limestone to Sponge Iron

It's About Quality

Quality is the most sought after yet rare commodity that determines the fortunes of any organisation irrespective of the business spectrum. The promise of quality is made by all and sundry but delivered only by a select few. Now here's an organisation whose entire functionality, mission and vision are built on the sole premise called quality.

MS Agarwal Foundries Pvt. Ltd. came into existence over two decades ago backed by astute leadership, robust technologies, modern methodologies and unflinching commitment to total quality. Today the organisation has evolved into a true synonym for quality in the sector of civil construction. Each and every steel bar produced in our plant under the MS Agarwal brand bears testimony to the company's quest for excellence.

Raising the Bar...Perennially

The high end Rebars manufactured by the company are perfect examples of slick technology aligning forces with incredibly low costs. MS Agarwal Foundries Pvt. Ltd. has proven beyond doubt that true quality and low cost are not two parallel lines which can never entwine.

To reiterate its market dominance, the company played a masterstroke by joining hands with world leader Hennigsdorfer Stahl GmbH of Germany. This was the perfect fusion of German technological superiority and able Indian entrepreneurship. The alliance has conquered many new frontier both regionally and globally.



Technologies of Tomorrow

Well if excellence is the end, then technology is the proverbial 'means' to achieve the same! In the contemporary world, technology is all providing and is the single most powerful factor which determines the fortunes of an organisation striving for hyper growth.

MS Agarwal foundries Pvt. Ltd. metamorphosed into a new age business enterprise catering to the demanding needs of the modern civil construction sector by identifying and embracing emerging technologies.



One Step Ahead

The organisation firmly believes in the theory of embracing emerging technologies and harnessing the power of same to shape futuristic products. The Thermo process German technologies like Stop - Start Shears and patented Thermax Treatment Systems successfully adapted by the company gives it a distinct advantage allowing it to produce low cost, high strength deformed bars of the top most quality.

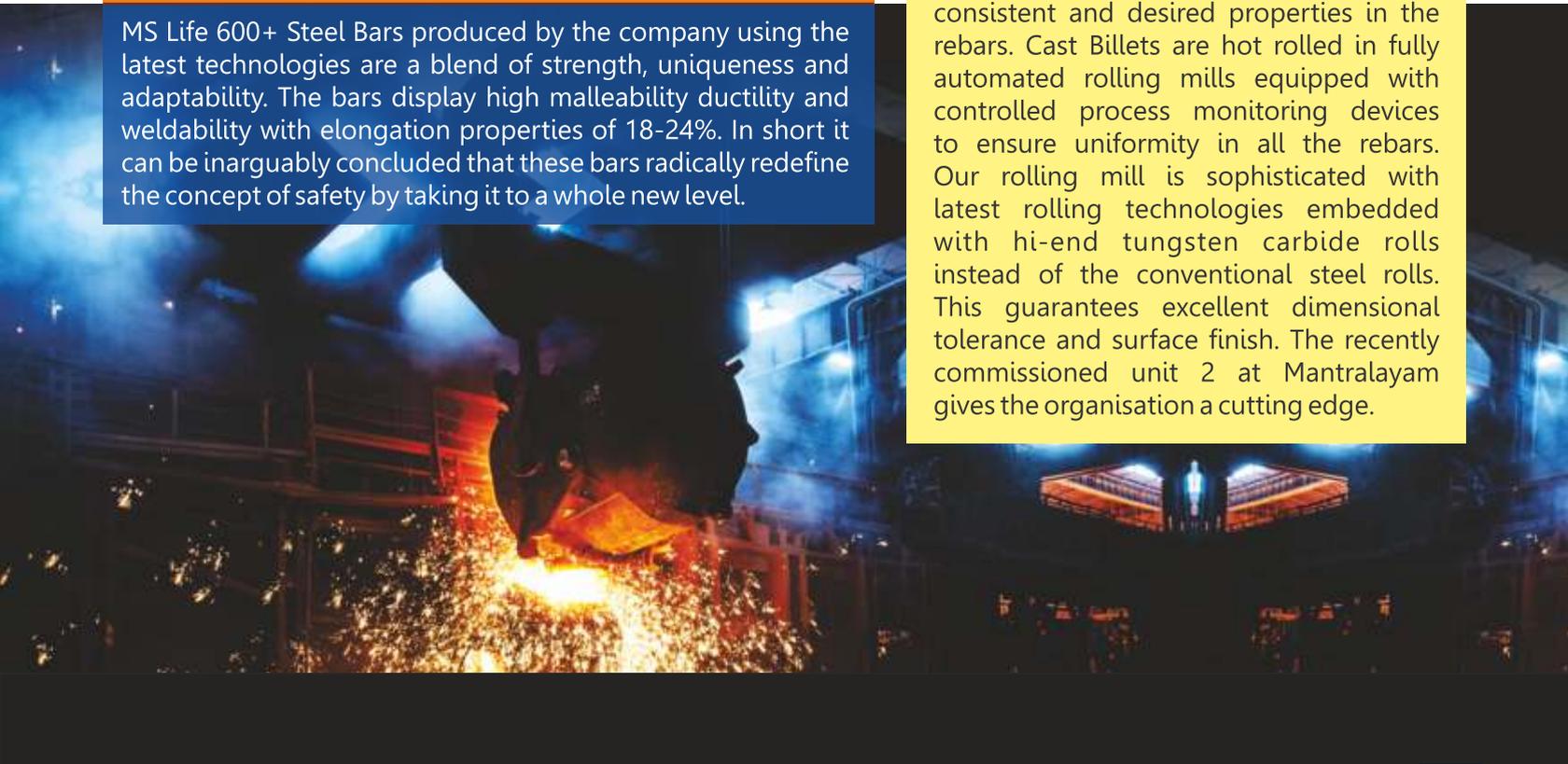
Commissioning of stringent quality and adherence to tough standards have made MS Agarwal Foundries Pvt. Ltd. the exclusive license to make and sell Bars with this technology in the Indian subcontinent.

MS Life 600+ Steel Bars - Driven by Safety, Built with Precision

MS Life 600+ Steel Bars produced by the company using the latest technologies are a blend of strength, uniqueness and adaptability. The bars display high malleability ductility and weldability with elongation properties of 18-24%. In short it can be inarguably concluded that these bars radically redefine the concept of safety by taking it to a whole new level.

Integrated Steel Plant Playing an Indispensable Role

MS Life 600+ Steel Bars, a premium product from MS Agarwal Foundries Pvt.Ltd. is the result of introduction of technology induced processes. The steel component of the product is made using the primary steel making route using iron ore. It is then processed through the furnace to refine the virgin steel to the maximum and cast it continuously into billets. The net result is high end quality with no harmful ingredients ensuring consistent and desired properties in the rebars. Cast Billets are hot rolled in fully automated rolling mills equipped with controlled process monitoring devices to ensure uniformity in all the rebars. Our rolling mill is sophisticated with latest rolling technologies embedded with hi-end tungsten carbide rolls instead of the conventional steel rolls. This guarantees excellent dimensional tolerance and surface finish. The recently commissioned unit 2 at Mantralayam gives the organisation a cutting edge.



What makes MS Life 600+ Truly World Class

- Product of state of the art integrated steel plant
- Low carbon levels & high physical properties enhance elongation providing insulation from earthquakes.
- Certificate of Authenticity from the company (full fledged Test Certificate) with every consignment.
- First to introduce superior quality Fe 600+ grade in South India, in technical collaboration with German Company
- Usage of high strength Fe 600+ (over present usage of Fe 415*) guarantees upto 10-15% savings in steel consumption in structural designs.
- First in South India to abide the Standard Rate, Weight and Price formula.
- Per piece sale ensuring maximum value for every penny spent.
- The optimum rib pattern assures better bond strength with concrete.
- Convenient size range of 8mm to 32mm diameter and easy availability with genuine dealers.
- Easy Identification with Branding, ISI Mark and Section Number.
- Advanced manufacturing technology to ensure perfect ring formation across the cross section of each and every bar reflecting total commitment to integrity.
- Usage of superior quality raw material (including South African Coal and Iron ore from the best mines in India)



Some of the Most Prestigious Projects Trusting our World Class Product

- Greenfield Airports - Hyderabad & Bangalore International Airport Ltd.,
- Green field Ports including Gangavaram & Krishnapatnam Port
- Outer Ring Road
- Metro Rail
- And many other Mega Power Plants, National Highways, major irrigation projects etc.,

Beams: 300 x 700

Case No	Concrete	Mu/bd2	Kg., Steel Fe-415	Kg., MS Life 600+ Steel Bars	Savings by use of MS Life (600+ Steel Bars)
1	M-20	3.2	109.69	93.18	15.05%
2	M-25	3.2	103.73	86.50	16.61%
3	M-30	3.2	98.87	84.34	14.70%
4	M-20	4.2	162.74	141.2	13.23%
5	M-25	4.2	150.90	128.43	14.89%
6	M-30	4.2	137.14	115.24	15.96%
7	M-20	5.0	212.40	178.70	15.87%
8	M-25	5.0	207.25	165.80	20.00%
9	M-30	5.0	177.94	165.80	15.25%

Columns

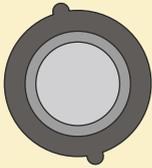
Axial Loaded Columns:

Assumed : 300 x 900, Concrete M-25, Load - 3500 KN; Unsupported Length 3.0M
 Steel Fe 415=68.68 Kg; MS Life 600+ Steel Bars=58.0 Kg; Savings= 15.55%

Rectangular Column with Uniaxial Bending :

Factored Load - 1200 KN; Factored Moment - 200 KN-m, Unsupported Length 3.0M
 Column Size 230x600; Concrete M-25
 Steel Fe 415=52.7 kg; MS Life 600+ Steel Bars = 44.4Kg; Savings = 15.75%





Finer Grain Structure:

Size reduction from billet to the bars is done gradually in multiple stages for better and consistent grain structure. Refined and finer grain structure gives better metallurgical properties to the bars for longer life.



Bend Properties:

MS LIFE bars have excellent bend properties due to the unique ductility by employing the German Thermex Technology.



Corrosion Resistance :

Controlled water - cooling prevents the formation of coarse carbides, which has been cited as the main cause for the corrosive nature of common bar. Another reason for better corrosion resistance is the absence of surface stresses caused by the cold twisting (and Torsteel) process.



Weldability:

MS Life bars with carbon content less than 0.25% can be used for butt and other weld joints without reduction in strength at the joints.



Higher Bonding Strength:

MS Life bars with their uniform and precise rib pattern ensure better bonding strength with concrete. This gives higher strength to the structure and hence a longer life.



Precise Gauge Control :

Gauge Control system ensures precise and accurate weight of the bars by controlling gauge of the bars automatically between stringent tolerances.



Better Metallurgical Properties :

Perfect Temperature control system to ensure better metallurgical properties.



Customised Product:

Chemical, metallurgical & physical properties as per designing requirements of clients are given by MS LIFE Steels. Additional relevant Services are offered as per specific customer requirements.



Higher Strength

MS LIFE Bars have high strength and are available in all the grades. So, now you can have high strength bars and thus can easily cut the overall costs by optimising consumption.



Perfect Roundness

Tensionless rolling through the loop scanner system during rolling process ensures reduction of oval shapes, which is generally present in traditional rolling mills. The automatic system ensured consistent, uniform properties and precise round shapes.



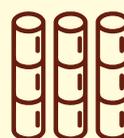
Cost - Effective:

MS LIFE bars require 15-20% less usage than ordinary bars for same work with 5% more cost. This result in overall savings upto 10-15%



Earthquake Resistance :

MS Life bars have high fatigue resistance to Dynamic / Seismic loads due to its higher ductility. This makes MS Life bars most suitable for use in.



Strain Ageing :

Due to Unique Science manufacturing process and chemical composition, MS LIFE bars show no tendency brittleness either during welding or cold deformation of welded joints.

Mechanical Properties of MS LIFE 600+ TMT - EQR Rebars

Parameter	IS : 1786-2008 Fe 600	MS LIFE 600+
Yield Strength (YS), Mpa (Minimum)	600	600
Yield Strength (YS), Mpa (Maximum)	-	-
Ultimate Tensile Strength (UTS), Mpa (Minimum)	660	708
UTS/YV ratio (Minimum)	1.1	1.18
Total Elongation (Minimum) (GL = 5.65 Ao) A	10.0	18.0
Elongation at Maximum force (%)	10.3	18.4

CHEMISTRY MS LIFE 600+ TMT-EQR REBARS (LADLE ANALYSIS IN %)

Element	IS: 1786-2008	IS: 1786-2008	MSAF-EQR TMT
	Fe-550	Fe-600	Fe-600+
Carbon(c) (maximum)	0.30	0.30	0.20
Sulphur (s) (maximum)	0.055	0.040	0.040
Phosphorus (p) (maximum)	0.050	0.040	0.040
S+P (maximum)	0.100	0.075	0.075


OBSERVED RUNNING MASS/METER

Specic	Weight	BIS Range Tolerance		MS LIFE 600+ Range Tolerance	
Size (mm)	(Kg/Mtr)	(Kg\Mtr)		(Kg\Mtr)	
		(Min)	(Max)	(Min)	(Max)
8	0.395	0.367	0.423	0.367	0.395
10	0.617	0.574	0.660	0.574	0.617
12	0.888	0.844	0.932	0.844	0.888
16	1.580	1.500	1.659	1.500	1.580
20	2.470	2.396	2.544	2.396	2.470
25	3.850	3.735	4.975	3.735	3.850
28	4.830	4.685	4.975	4.685	4.830
32	6.310	6.120	6.499	6.120	6.310

Dimensional Tolerance: As per IS: 1786-2008 specification



Fully integrated Billet Plant:

It's a well acknowledged fact that steel produced with billets is far more superior when compared to ingots. It has better elongation properties proving to be an economical option for civil engineers the world over.

The fully integrated billet plant commissioned by the company in Toopran of Medak district plays a pivotal role. The modern plant which produces high quality raw materials not only ensures better finished output but also greater quality control and reduced transportation costs. Truly, a winning formula !

Awards and Rewards

As a pro-active organisation poised for hyper growth, MS Agarwal Foundries Pvt.Ltd. strongly believes in the theory of pursuing the goal called perfection; awards, recognition and acknowledgement as the best in the business are the fringe benefits bestowed in the process. The company not only appreciates the recognition but also understands the tremendous responsibility which comes with every award.

The award for best quality steel in the year 2006, 2007 & 2008 is definitely a jewel in the firm's crown already decorated by a host of other recent awards and appreciations. Every award and recognition spurs the company to pause and reiterate its commitment to total quality.

Future - A Golden Blueprint

In a business world that's fueled by intense competition, only the forward thinking organisations with a visionary outlook succeed. What takes MS Agarwal Foundries Pvt. Ltd. to the higher end of the growth curve is its ability to constantly adapt to the demanding market needs. Combining technology, leadership skill, innovative methodology and efficient functionality is the potent weapon that gives the organisation a cutting edge.

The company's passion for perfection is manifested in the output it produces and the promise of quality it keeps up with amazing consistency. Making a promise and delivering it is the biggest strength of the company and will continue to be so. At MS Agarwal Foundries Pvt. Ltd. the future is all about sensing, seeing and seizing opportunities.

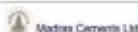


Our Clients

CONTRACTORS



CEMENT



Our Clients

MANUFACTURING



POWER



Our Clients

REAL ESTATE

AIRPORTS

IT

PORTS





CERTIFICATES OF EXCELLENCE



BUREAU OF INDIAN STANDARDS**LICENSE & CERTIFICATES****BUREAU OF INDIAN STANDARDS****Attachment to Licence No. CM/L- 0006588999**

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
0006588999	MS Agarwal Foundries Pvt. Ltd. -Sy. No.169 P.o Chetla Gowraram - 502 334 Toopran Mandal Medak District , , Chetla Gowraram P.O : 502334	High strength deformed steel bars and wires for concrete reinforcement-	IS 1786 : 2008

Endorsement No. 12 Dated 18-Jun-2025

Whereas, the licence was valid upto First August Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 31-JUL-2025 has been extended from First August Two Thousand Twenty Five to Thirty First July Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Hyderabad Branch Office)

BUREAU OF INDIAN STANDARDS

LICENSE & CERTIFICATES

BUREAU OF INDIAN STANDARDS

Attachment to Licence No. CM/L- 6300000776

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
6300000776	MS Agarwal Foundries Pvt. Ltd. -Sy. No.169 P.o Chetla Gowraram - 502 334 Toopran Mandal Medak District , , Chetla Gowraram P.O : 502334	UNALLOYED AND ALLOYED STEEL INGOT AND SEMI-FINISHED PRODUCTS FOR RE-ROLLING PURPOSES - SPECIFICATION (First Revision)	IS 14650 : 2023

Endorsement No. 9 Dated 18-Jun-2025

Whereas, the licence was valid upto First August Two Thousand Twenty Five.

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 31-JUL-2025 has been extended from First August Two Thousand Twenty Five to Thirty First July Two Thousand Twenty Six

Other terms and conditions of licence remain same.

Branch Head (Hyderabad Branch Office)

LICENSE & CERTIFICATES

  National Accreditation Board for
Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

QC LAB, MS AGARWAL FOUNDRIES PVT LTD

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

SURVEY NO. 169, CHETLA GOWRARAM - VILLAGE, MEDAK, TELANGANA, INDIA

in the field of

TESTING

Certificate Number: TC-12162
Issue Date: 28/08/2025 Valid Until: 27/08/2029

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 Entity: MS AGARWAL FOUNDRIES PRIVATE LIMITED

Signed for and on behalf of NABL

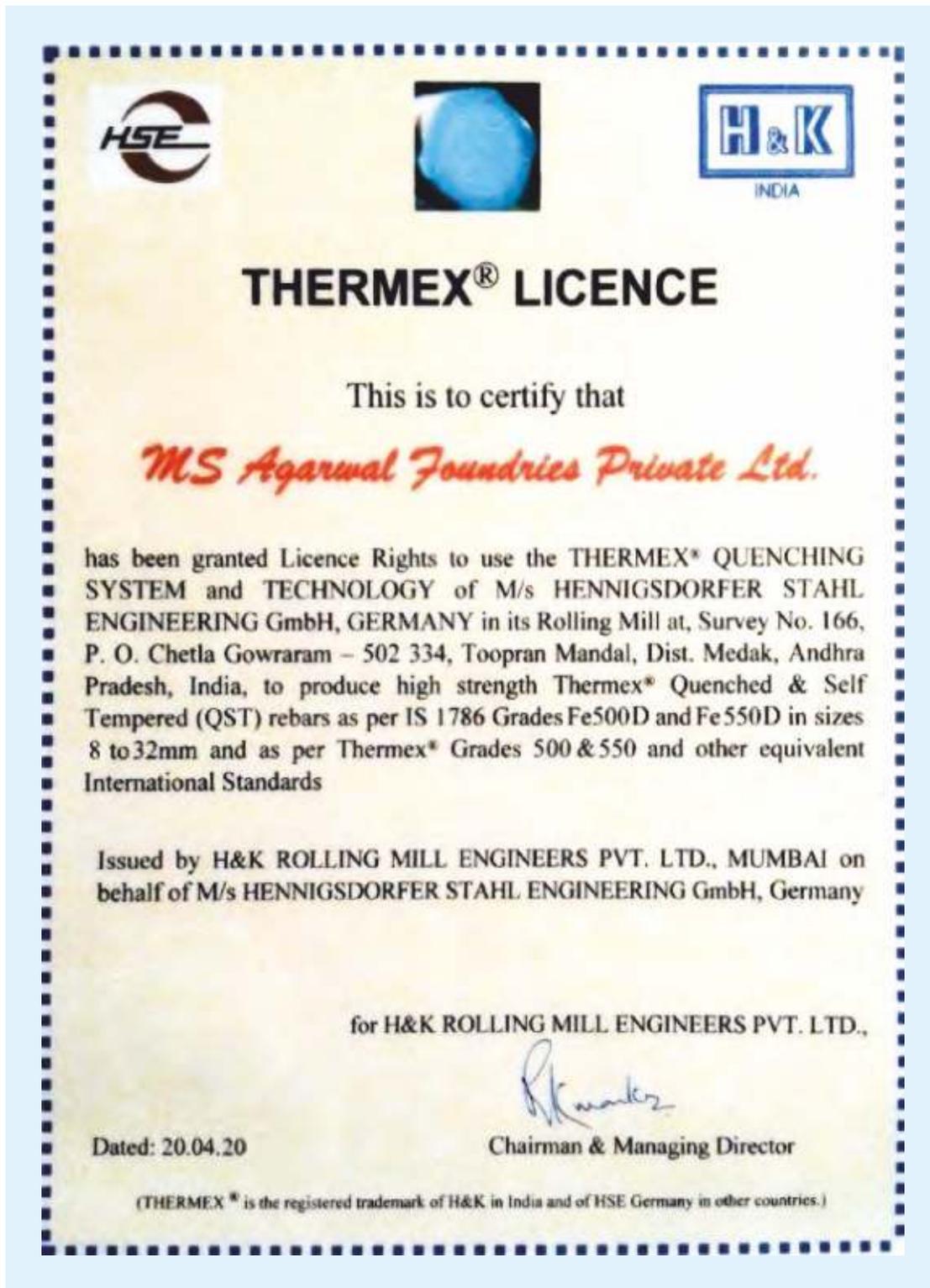



Anuja Anand
Director


N. Venkateswaran
Chief Executive Officer

THERMEX LICENCE CERTIFICATION

LICENSE & CERTIFICATES



LICENSE & CERTIFICATES



THERMEX LICENCE CERTIFICATION

LICENSE & CERTIFICATES






THERMEX QST LICENCE

Licence Number: E0001t - 07/07

1. Licensee:	MS Agarwal Foundries Pvt. Ltd. (Line - I)		
2. Rolling Mill Address:	Survey No. 169, P.O. Chetla Gowraram - 502 334, Toopran Mandal, District: Medak, Telangana India		
3. Standard:	IS 1786:2008 (Fourth Revision) Amendment 3 of March 2017		
4. Sizes: Grade:	8-12 mm	Fe 415, 415D, Fe 500, Fe 500D, Fe 550, Fe 550D, Fe600.	
5. Commissioned:	10th October 2019		

Place: Mumbai, Maharashtra, India

Issued On: 28th April, 2025

Validity: 1st April, 2025 - 31st March, 2026



For H & K ROLLING MILL ENGINEERS PVT. LTD.
R. Lakshmi
 Managing Director

ANNUAL MAINTENANCE

QUALITY AUDIT:

Estimated Production: 16,000 tonnes per month Embossing: AF STAR TMT 550 ISI SIZE 638999

Test	Date	Size	Grade	H&K Team	Remarks
Physical Test	20-Mar-2025	8-12 mm	Fe 550	region5@handk.in	Satisfactory
Ring/Etching Test	20-Mar-2025	8-12 mm	Fe 550	region5@handk.in	Satisfactory
THERMEX Equipment	20-Mar-2025	8-12mm	Fe 600	region5@handk.in	Satisfactory

THERMEX SPARES - PURCHASE HISTORY:

Type	Date	Size	IF	N1	N2	FG	EP	GP	VG	DG
Internals	25-Oct-2024	8-12 mm	4	4	4	4	-	20	4	4

This Licence has been granted by H&K Rolling Mill Engineers Pvt. Ltd. to use THERMEX Quenching System and Technology of M/s HENNIGSDORFER STAHL ENGINEERING GmbH, Germany.

THERMEX LICENCE CERTIFICATION

LICENSE & CERTIFICATES






THERMEX QST LICENCE

Licence Number: E0001t – 05/05

1. Licensee:	MS Agarwal Foundries Pvt. Ltd. (Line – II)
2. Rolling Mill Address:	Survey no. 169, P.O. Chetla Gowraram – 502 334, Toopran Mandal, District Medak, Telangana, India
3. Standard:	IS 1786:2008 (Fourth Revision) Amendment 3 of March 2017
4. Sizes: Grade:	12-32 mm | Fe 415, 415D, Fe 500, Fe 500D, Fe 550, Fe 550D, Fe600.
5. Commissioned:	19th July 2021

Place: Mumbai, Maharashtra, India

Issued On: 28th April, 2025

Validity: 1st April, 2025 - 31st March, 2026



For H & K ROLLING MILL ENGINEERS PVT. LTD.

 Managing Director

ANNUAL MAINTENANCE

QUALITY AUDIT:

Estimated Production: 16,000 tonnes per month Embossing: AF STAR TMT 550 ISI SIZE 638999

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THERMEX Equipment	20-Mar-2025	12-32 mm	Fe 600	region5@handk.in	Satisfactory

THERMEX SPARES - PURCHASE HISTORY:

Type	Date	Size	IF	N1	N2	FG	EP	GP	VG	DG
Internals	25-Oct-2024	12-16 mm	4	4	4	4	-	-	4	4
Internals	25-Oct-2024	20-32 mm	4	4	4	4	20	-	4	4

This licence has been granted by H&K Rolling Mill Engineers Pvt. Ltd. to use THERMEX Quenching System and Technology of M/s HENNINGSDORFER STAHL ENGINEERING GmbH, Germany.

ISO 9001:2015

LICENSE & CERTIFICATES



ISO 14001:2015

LICENSE & CERTIFICATES



Certificate



Management system as per
ISO 14001 : 2015

The Certification Body TUV INDIA PVT. LTD. hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

MS AGARWAL FOUNDRIES PRIVATE LIMITED

Head Office: T19 Towers, 1st Floor Ranigunj, MG Road,
Karbala Maidan, Secunderabad - 500 003,
Telangana,
India



operates a management system in accordance with the requirements of ISO 14001 : 2015 at the location

MS AGARWAL FOUNDRIES PVT. LTD.

Unit 1: Survey No 158 (part), 159 (part), 166-170,
Chetlagowraram Village, Toopran (M),
Medak District - 502 336, Telangana,
India

will be assessed for conformity within the 3 year term of validity of the certificate

Scope

Manufacture and Dispatch of Billets, TMT Bars, Corrosive Resistant Steel Bars, Cut & Bend Steel, and MS Round Bars

Certificate Registration No. **IND 104 25396074-01** Valid from **28.04.2025**
Audit Report No. **HYD/AUD/24-25/8717** Valid until **27.04.2028**
Initial certification **28.04.2025**



Visit our database to verify the validity of this certificate.

Mumbai, **28.04.2025**


Certification Body at TUV INDIA PVT. LTD.

This certificate is valid in conjunction with the main certificate

TUV INDIA PVT. LTD.
801, Raheja Plaza 1, L.B.S Marg,
Ghatkopar (W) Mumbai - 400 088,
India
www.tuv-nord.com/in



TUV®

TUVNORDGROUP

ISO 45001:2018

LICENSE & CERTIFICATES



Certificate



Management system as per
ISO 45001:2018

The Certification Body TUV INDIA PVT. LTD. hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

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Head Office: T19 Towers, 1st Floor Ranigunj, MG Road,
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Initial certification **28.04.2025**



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Mumbai, **28.04.2025**

Certification Body at TUV INDIA PVT. LTD.

This certificate is valid in conjunction with the main certificate

TUV INDIA PVT. LTD.
B01, Raheja Plaza 1, L.B.S Marg,
Ghatkopar (W) Mumbai - 400 086,
India
www.tuv-nerd.com/in

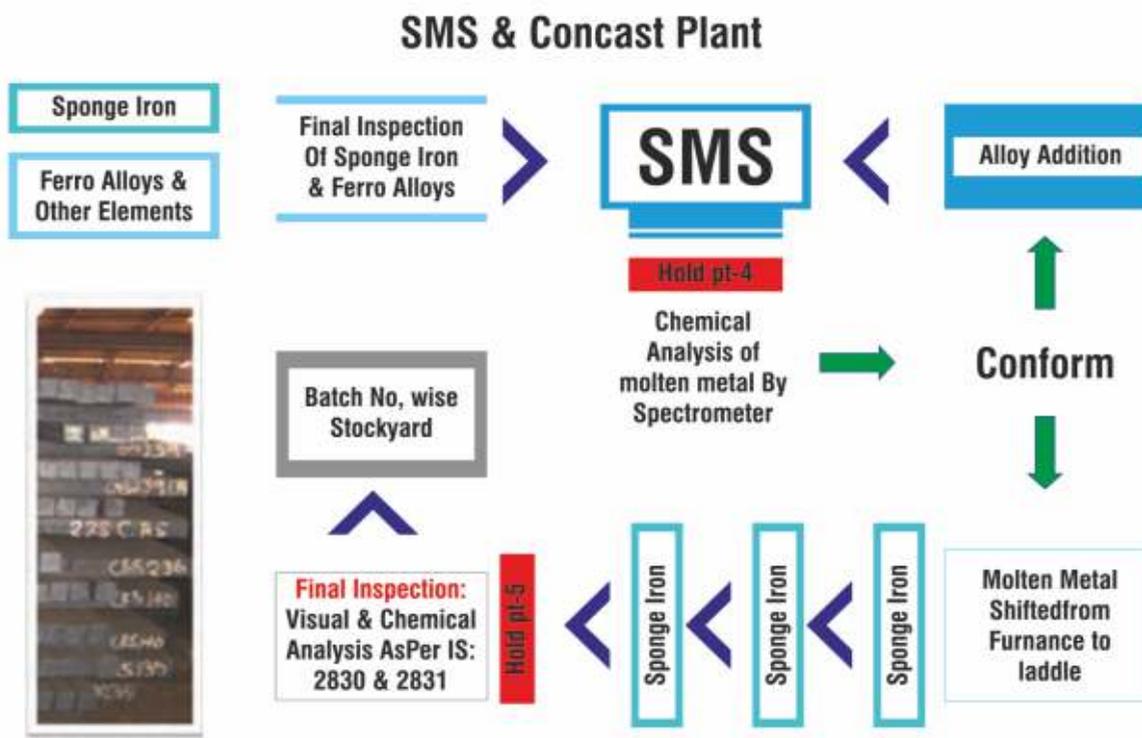
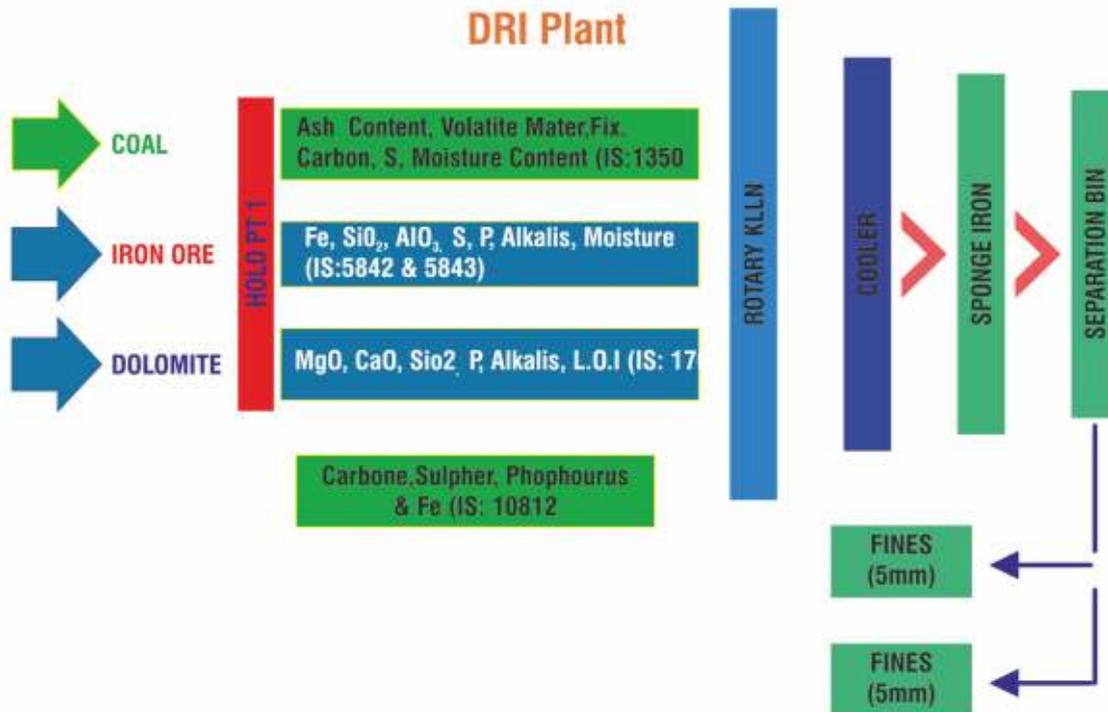


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TUVNORDGROUP

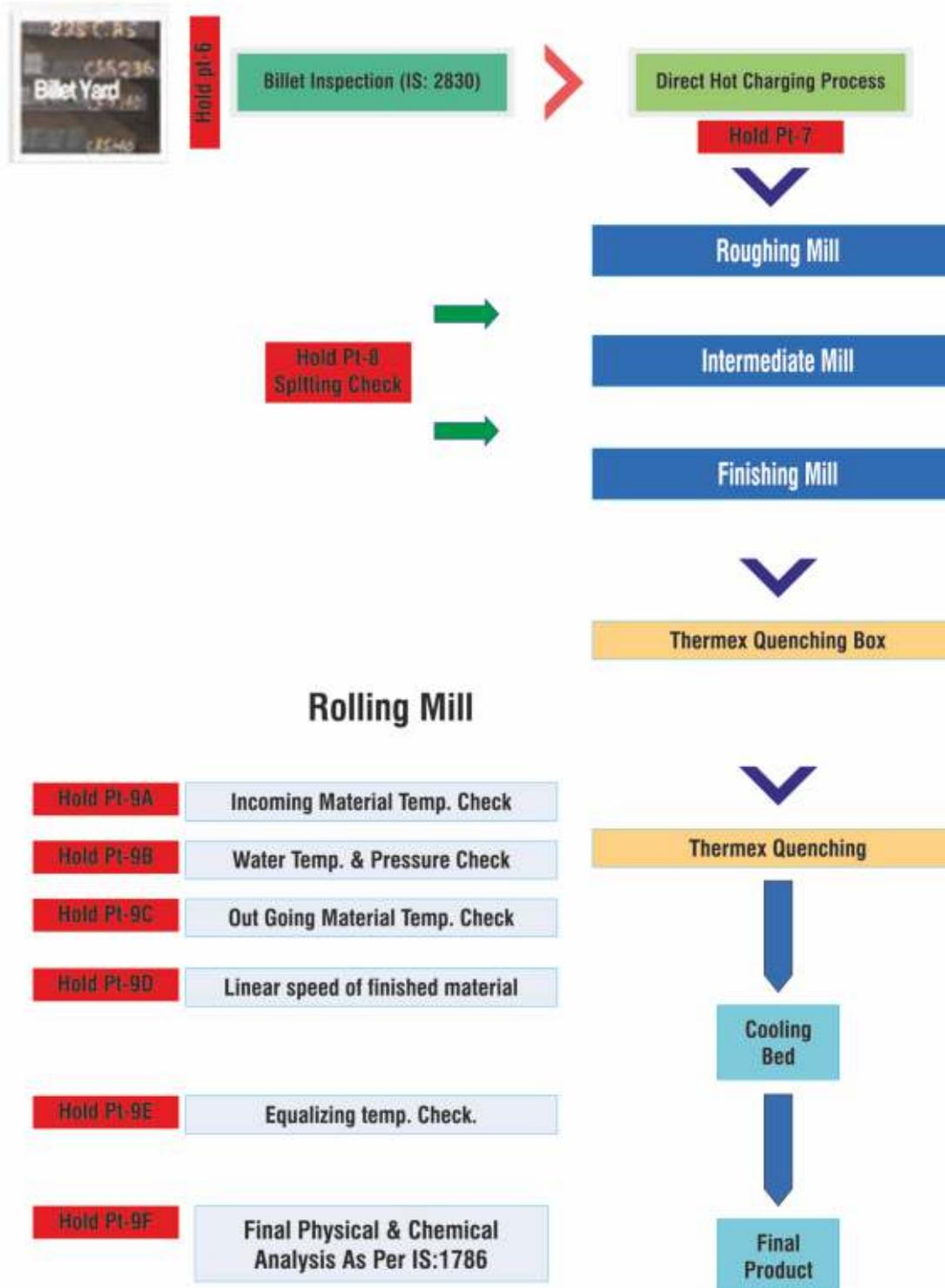
PROCESS & QUALITY CONTROL FLOW CHART

FLOW CHART + QAP



PROCESS & QUALITY CONTROL FLOW CHART

FLOW CHART + QAP



QUALITY PLAN - INCOMING

FLOW CHART + QAP

MIEPL							
Incoming Raw Material							
S.No.	Incoming Product/assembly	Sample Size & Its Frequency of inspection	Parameters for inspection	Mode Of inspection/ Equipment used	Acceptance limits/Criteria/ specified value	Rejection & Disposal Reprocessed/ Scrapped	Traceability register No
1	IRON ORE	Every 8 Hrs. 5 to 20mm 20 to 40mm 20 to 80mm	Fe(T), LOI, SiO ₂ , Al ₂ O ₃ , %P, T.I, Contamination	Crusher, Grinder, Hot Plate and Chemicals	Fe(T) : 61 - 63	Rejected Iron Ore Fines	MIEPL/QAD/DRI/ORE/10
2	COAL	0 to 100 mm	Size F.C.I %, GCV	Crusher, Grinder, Oven & Muffle Furnace	FC : 48 - 52	Rejected COAL Fines	MIEPL/QAD/DRI/COAL/10
3	DOLOMITE	0 to 8 mm	Size LOI, CaO, MgO, Al ₂ O ₃ , R2O3	Grinder, Muffle Furnace and Chemicals	LOI : 40 - 42 CaO : 25 - 30 MgO : 18 - 20	Rejected DOLOMITE Fines	MIEPL/QAD/DRI/DLOMITE/10

MIEPL							
INPROCESS INSPECTION POLICY							
Sr.No.	Name of the process	Minimum Frequency of inspection	Parameters for inspection	Mode Of inspection/ Equipment used	Acceptance limits/Criteria/ specified value	Rejection & Disposal	Traceability register No
1	Lumps, Physical & Chemical Analysis	Every 2 hrs.	Size, GCV, FC, Mg. Test	Manual, Screen, Muffle Furnace, Bomb Caloro meter	5 to 20 mm, GCV : 2500 + FC : 25 + Mg : 1 %	REJECTION	MIEPL/QAD/DRI/11
2	Fines, Physical & Chemical Analysis	Every 2 hrs.	Size, GCV, FC, Mg. Test	Manual, Screen, Muffle Furnace, Bomb Caloro meter	5 to 20 mm, GCV : 2500 + FC : 25 + Mg : 1 %	REJECTION	MIEPL/QAD/DRI/11

MIEPL							
FINAL INTERNAL INSPECTION POLICY							
Sr.No.	Name of the test process	Sample Size & Its Frequency of inspection	Parameters for inspection	Mode Of inspection/ Equipment used	Acceptance limits/Criteria/ specified value	Rejection & Disposal Reprocessed/ Scrapped	Traceability register No
1	Lumps, Physical & Chemical Analysis	Below 25 mm Every 2 hours	Size (MPs), FM, FeT, SO & C	Manual / Screen & Chemical	5 to 20 mm FM 75 +, FeT : 85 + SO : 0.03, C : 0.12	REJECTION	MIEPL/QAD/DRI/12
2	Sponge Iron Fines : Physical & Chemical	Below 5 mm Every 2 hours	Size : FM, FeT, SO, C	Manual / Screen & Chemical	0 to 5 mm, FM : 60 + FeT : 75 + SO : 0.06 C : 0.3	REJECTION	MIEPL/QAD/DRI/12

QUALITY PLAN - INCOMING

FLOW CHART + QAP

MSLF/QAD/SMS/113 REV NO: 03		QUALITY PLAN-INCOMING			RECORD IN	
#	MATERIAL	PARAMETER	ELEMENTS	AS PER IS	SAMPLE SIZE & FREQUENCY	METHOD OF CHECKING
1	SPONGE IRON	CHEMICAL ANALYSIS	Si (M)	IS 15774 : 2007	Every Lorry/lot	BROMINE METHANOL METHOD
			Mn (M)	IS 15774 : 2007		
			P (M)	IS 15774 : 2007		
			S	IS 228 (Part 3) : 1987 Reaffirmed 2002		
			NS	IS 228 (Part 3) : 1989 Reaffirmed 2002		
			NC	IS 228 (Part 3) : 1987 Reaffirmed 2002		
2	PIG IRON	CHEMICAL ANALYSIS	Si (MET)	IS 15774 : 2007	Every Lorry/lot	ALKALIMETRIC METHOD
			P	IS 228 (Part 3) : 1987 Reaffirmed 2002		
			Mn (M)	IS 15774 : 2007		
			NC	IS 228 (Part 3) : 1987 Reaffirmed 2002		
			NS	IS 228 (Part 3) : 1989 Reaffirmed 2002		
			AS PER IS 1470:2013 & 1472:1977			
3	SILICO-MANGANESE	CHEMICAL ANALYSIS	MANGANESE	80-85%	Every Lorry/lot	BROMINE METHANOL METHOD
			SILICON	17-20%		
			CARBON	2%		
			PHOSPHOROUS	0.03%		
			SULPHUR	0.03%		
			SILICON	13-18%		
			CARBON	0.05%		
			PHOSPHOROUS	0.05%		
			SULPHUR	0.15		
			ALUMINIUM	1.0-2.5%		
4	FERRO-SILICON	CHEMICAL ANALYSIS			Every Lorry/lot	ALKALIMETRIC METHOD
Prepared by		MSLF/QAD/SMS/113		RECORD IN		
Quality Head		MSLF/QAD/SMS/113		RECORD IN		
Name		MSLF/QAD/SMS/113		RECORD IN		
Designation		MSLF/QAD/SMS/113		RECORD IN		

MS AGARWAL FOUNDRIES PRIVATE LIMITED
 R. K. Dixit
 G. M. D. C.

QUALITY PLAN - INCOMING

FLOW CHART + QAP

QUALITY PLAN-IN-PROCESS & FINAL										MSAF/QA/01
#	MATERIAL	PARAMETER	PROPERTIES	AS PER IS	AS PER THERMEX	SAMPLE SIZE & FREQUENCY	INSTRUMENT USED	METHOD OF CHECKING	RECORD	DATE
2	AF STAR Fe-500D & MS LIFE	Mechanical	SECTION MASS	816 STD IS 5796	816 STD IS 5796	100/20 Minutes	weighing scale & scale	weighing scale & scale	MSAF/QA/01	20
			DIMENSION	816 STD IS 5796	816 STD IS 5796		Scale	measuring		
			YIELD STRESS	500 N/mm ² (min)	500-550 N/mm ² and above		UTM	UTM		
			UTS	505 N/mm ² (min)	630-680 N/mm ² and above		UTM	UTM		
			ELONGATION	9%	8 %min		UTM	UTM		
			TOTAL ELONGATION	9%	7%		UTM	UTM		
			BEND	816 STD IS 5796	816 STD IS 5796		UTM	UTM		
			RE-BEND	816 STD IS 5796	816 STD IS 5796		UTM	UTM		
4	AF STAR Fe-550D & MS LIFE	Mechanical	SECTION MASS	816 STD IS 5796	816 STD IS 5796	100/20 Minutes	weighing machine & scale	weighing machine & scale	MSAF/QA/01	20
			DIMENSION	816 STD IS 5796	816 STD IS 5796		Scale	measuring		
			YIELD STRESS	550 N/mm ² (min)	570-580 N/mm ² and above		UTM	UTM		
			UTS	605 N/mm ² (min)	640-690 N/mm ² and above		UTM	UTM		
			ELONGATION	9%	8%		UTM	UTM		
			TOTAL ELONGATION	9%	7%		UTM	UTM		
			BEND	816 STD IS 5796	816 STD IS 5796		UTM	UTM		
			RE-BEND	816 STD IS 5796	816 STD IS 5796		UTM	UTM		
6	AF STAR MS ROUND & MS LIFE	Mechanical	SECTION MASS	816 STD IS 432 PART -1	816 STD IS 432 PART -1	100/20 Minutes	weighing machine & scale	weighing machine & scale	MSAF/QA/01	20
			DIMENSION	816 STD IS 952	816 STD IS 952		Scale	measuring		
			YIELD STRESS	240 N/mm ² (min)	260-420 N/mm ²		UTM	UTM		
			UTS	480 N/mm ² (min)	430-520 N/mm ²		UTM	UTM		
			ELONGATION	23%	20%		UTM	UTM		
			BEND	816 STD IS 432 PART -1	816 STD IS 432 PART -1		UTM	UTM		
			QUALITY	816 STD 952	816 STD 952		Vernier calliper	measuring		
			LENGTH	816 STD 952	816 STD 952		Scale	measuring		
7	SURFACE CHARACTERISTIC	RB GEOMETRY	Mean axis of ribs per unit area	816 STD IS 996		1pc / Every lot	VERNER CALLIPER,SCALE,ANGLE RULER	Visual Inspection	MSAF/QA/01	07
8	CHEMICAL ANALYSIS T.M.T	CHEMICAL COMPOSITION		816 STD IS 1796	816 STD IS 1796	ONE SAMPLE EVERY HEAT	SPECTROMETER	SPARK ANALYSIS	MSAF/QA/01	06
9	CHEMICAL ANALYSIS T.M.T	CHEMICAL COMPOSITION		816 STD IS 2052	816 STD IS 2052	ONE SAMPLE EVERY HEAT	SPECTROMETER	SPARK ANALYSIS	MSAF/QA/01	01
10	BILLETS	CHEMICAL & VISUAL TEST	Carbon		0.19-0.25%	ONE SAMPLE EVERY HEAT	SPECTROMETER	SPARK ANALYSIS	MSAF/QA/01	01
			Manganese		0.3-0.8%					
			Sulphur		0.04%					
			Phosphorus		0.04%					
			Silicon		0.10-0.4%					
		SURFACE FINISH								
Prepared by		<i>Jitendra Shrivastava</i>			Approved by		<i>Vijay MR</i>			
Quality Head		JITENDRA SHRIVASTAVA			M/R		VIJAY MR			
Name		JITENDRA SHRIVASTAVA			Name		VIJAY MR			
Designation		QUALITY HEAD			Designation					



APPROVAL



भारत सरकार - रेल मंत्रालय
अनुसंधान अभिकल्प और मानक संगठन
संखनऊ - 226 011
EPBX (0522) 2451200
Fax (0522) 2458500

No. WKS/130/TMT/AFPL (OL)

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



Date: 24.07.2018

M/s MS Agarwal Foundries (P) Ltd.,
"Rama Tower", 5-4-83, TSK Chambers,
Opp. Ranigunj Bus Depot, M.G. Road,
Secunderabad (Telangana State) - 500003

Sub: Registration of firm as supplier of TMT Reinforcement steel bars in Indian Railway.

Ref: i) Railway Board letter no. 2007/CE-I/CT/8 dated 07.03.2014, 26.08.2014, 31.03.2015 & 22.01.16 incorporated in RDSO doc. No. WK-G-7.1-1 Ver. 1.0.
ii) Your online application dated 19.03.18.

Your application under ref. (ii) above regarding empanelment of your firm "M/s MS Agarwal Foundries (P) Ltd., "Rama Tower", 5-4-83, TSK Chambers, Opp. Ranigunj Bus Depot, M.G. Road, Secunderabad (Telangana State) - 500003 as supplier of TMT Reinforcement bars was scrutinized in accordance with ref. (i) above. After satisfactory scrutiny of documents, the plant visit was carried out by undersigned & assisted by ADE/Works/RDSO; infrastructure found in order. Accordingly, competent authority has approved registration of your firm for the supply of TMT Reinforcement bars.

<ul style="list-style-type: none"> Regd. Office : <p>M/s MS Agarwal Foundries (P) Ltd., "Rama Tower", 5-4-83, TSK Chambers, Opp. Ranigunj Bus Depot, M.G. Road, Secunderabad (Telangana State) - 500003</p>	<ul style="list-style-type: none"> Work Address : <p>M/s MS Agarwal Foundries (P) Ltd., Survey No. 169, Chetla Gowraram Village, Manoharabad, Distt. Medak (Telangana) - 502334 (Production of Billet & TMT Bars) & Group concern M/s Maruti Ispat & Energy Pvt. Ltd. 167, Madhavaram Village, Taluk Mantralayam, Dist. Kumool (A.P.) - 518349 (Production of Sponge Iron)</p>
<ul style="list-style-type: none"> Trademark : 	AF STAR & MS LIFE
<ul style="list-style-type: none"> Registration for TMT Steel Reinforcement bars Fe 415 (8mm- 32mm dia.), Fe 500 (8mm- 32mm dia.), Fe 500 D (8mm- 32mm dia.), Fe 550 (8mm- 32mm dia.), Fe 550 D (8mm- 32mm dia.) and Fe 600 (8mm- 32mm dia.) confirming to IS-1786:2008 with latest amendment 	
<ul style="list-style-type: none"> Next due date of Quality Audit: Due on 05 years interval from 24.07.2018 (in terms of ISO doc. no.QO-D-7.1-6 effective from 06.04.2018). 	


24.07.18

APPROVAL

2. This registration has been done on the basis of information and documents provided by you and the facilities available/ shown during inspection in the plants. If, during the course of time, any outsourcing of finished product is done by your 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. You have given declaration that you are not using any kind of external scrap in production of TMT Reinforcement bars. In case, use of external scrap by you is reported to this office; your registration shall be cancelled.
3. This registration is also subjected to timely renewal of your BIS and other licenses and fulfillment of other conditions as per "ISO guidelines in regard to vendor approval process" available at RDSO website under 'Vendor Interface'. You will also be required to intimate this office regarding renewal of your licenses and any deviation in the firm's identity and business well in advance.

DA: Nil.



24.07.18
(Rajiv Kumar Gupta)
Director/Works

Copy for information and necessary action to:

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, Chandrashekharpur, 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-500071.
15. Principal Chief Engineer, South Western Railway, GM office, Club road, Hubli – 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, Indra Market, Jabalpur – 482 001.

APPROVAL

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 of Zonal Railways.
21. CMDs of IRCON, RITES, RVNL, IRWO, CONCOR, DMRC, KRCL, MRVC, DFCCIL, RailTel and CRIS.
22. Vice Chairman, RLDA, Moti Bagh – I, New Delhi – 110 021.
23. Chief Engineer, CLW, Chittaranjan, Dist. – Burdwan (West Bengal) – 713 331.
24. Chief Engineer, DLW, Varanasi – 221 004.
25. Chief Engineer, RCF, Hussainpur, Kapurthala, Punjab – 144 602.
26. Chief Engineer, ICF, Perambur, Chennai – 600 038.
27. Chief Engineer, RWF, Dodaballapur Road, Yelahanka, Bengaluru – 560 064.
28. Chief Engineer, MCF, 1st Floor, Engg. Deptt. , Admin. Bldg., Raebareli, Lalganj (U.P.) – 229 120.
29. Deputy Chief Engineer, DLMW, Civil Engg. Deptt. , Patiala – 147 003.
30. Deputy Chief Engineer, RWP, 1st Floor, Admin. Building. , Bela, Dist. – Saran (Chhapra) – 841221.

DA:Nil.



24.07.13
(Rajiv Kumar Gupta)
Director/Works

APPROVAL

CIN : U74899DL1985GOI068150

दूरभाष Tel. : 23417910/12

फैक्स Fax : 23417921



दिल्ली मेट्रो रेल कॉर्पोरेशन लि०
DELHI METRO RAIL CORPORATION LTD.

(भारत सरकार एवं दिल्ली सरकार का संयुक्त उपक्रम)
(A JOINT VENTURE OF GOVERNMENT OF INDIA AND GOVT. OF DELHI)

No. DMRC/Corp/20/Design/001/99

October 7, 2015

MS Agarwal Foundries (P) Ltd.
"Rama Tower", 5-4-83,
Opp. Ranigunj Bus Depot,
M.G. Road, Secunderabad- 500 003

Kind Attn: Mr. Umesh Mathur

Sub:- Enlistment of MS Agarwal Foundries (P) Ltd. as a vendor for supplying of TMT Bars for Kochi, Bangalore and Chennai Metro Rail Projects.

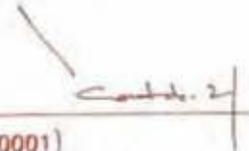
Ref:- Your letter dated 18.08.2015

Dear Sir,

While going through the credentials/test certificates of MS Agarwal Foundries (P) Ltd., as submitted to us vide letter referred above, for supplying of MS Life/MS Star TMT Bars for Kochi, Bangalore and Chennai Metro Rail Projects, it is found that MS Agarwal Foundries (P) Ltd. (MS Life/MS Star TMT Bars), an ISO certified company, is a Primary Steel Producer as per Ministry of Steel's Notification no. 4/8/2010-SD-1, dated April 24, 2015.

It is also noted that logistics of MS Agarwal Foundries (P) Ltd. is set up in Hyderabad (South India) which will assist in maintaining a smooth flow of material across the supply chain by enabling timely delivery of goods to its clients in Kochi. It is also observed that your clientele list includes various esteemed groups/projects including Govt. departments viz; Tata Housing, L&T, OMR, Chennai, Bangalore International Airport, Hyderabad International Airport, Lanco, BHEL, RVNL and B L Kashyap etc.,

In view of above, we would like to inform you that we have 'no objection' in case MS Agarwal Foundries (P) Ltd. supply its "TMT Bars (MS Life/MS



(मेट्रो भवन, फायर ब्रिगेड लेन, बाराखम्बा रोड, नई दिल्ली-110001)

Metro Bhawan, Fire Brigade Lane Barakhamba Road New Delhi-110001

APPROVAL

Star TMT Bars)" as per the relevant codal requirements/ specifications, if any, for Kochi, Bangalore and Chennai Metro Rail projects.

In view of above, you can approach the concerned contractors and Metro Rail officials at sites, depending upon the requirements, for supply of your **TMT Bars** for Kochi, Bangalore and Chennai Metro Rail Projects. Please also note we don't directly procure the products from vendors.

The quality of the product/products should meet the required strength and other DMRC specifications, if any. Please also note that this approval is subject to the suitability and fulfillment with the technical requirements. However, the Corporation wholly reserves the rights to revoke/suspend the enlistment on the basis of review any time.

Please note that this approval has been accorded on the condition of maintaining of quality intact. In case of any negative feedback and deterioration in quality, this approval will stand cancelled automatically. Mandatory checks about the quality will also be carried out as and when required so as to satisfy the site/s about the quality and the performance.

The above authorization, however, does not bind the Corporation in anyway for use of your products/services in the works.

Yours faithfully,

A handwritten signature in red ink, appearing to read 'Rajan Kataria', is written over a horizontal line.

(Rajan Kataria)
Executive Director (Technical)

APPROVAL



In Association With



Ref. No. Bloom-CMC/NMSCEL- Pack -XI/2020/798

Dated: 08.07.2020

To,
Authorized Representative

Mr. Dunga Tata Rao,
Package-11, From Ch.502.698 to 532.094
Nagpur - Mumbai Super Communication Expressway
Shirdi, Ahmednagar.

Project: "Consultancy services for Authority's Engineer for Supervision Construction of Access Controlled Nagpur - Mumbai Super Communication Expressway (Maharashtra Samruddhi Mahamarg) in the State of Maharashtra on EPC Mode for Package - 11 From Km. 502.698 to Km. 532.094 (Village Dhotre to Village Derde Karhale).

Sub: - Approval of Reinforcement Steel of M/s- MS Agarwal Foundries Pvt. Ltd-Reg.

Ref: - 1. A.E Letter No. Bloom-CMC/NMSCEL-Pack-XI/2020/794	Dated: 01.07.2020
2. Authority Letter No. EE/MSRDC/NSK/745/2020	Dated: 25.06.2020
3. A.E Letter No. Bloom-CMC/NMSCEL-Pack-XI/2020/789	Dated: 24.06.2020
4. A.E Letter No. Bloom-CMC/NMSCEL-Pack-XI/2020/679	Dated: 06.03.2020
5. Contractor's Letter No. GPL/NMEW/PMC/2020/ 687	Dated: 03.03.2020
6. A.E Letter No. Bloom-CMC/NMSCEL- Pack -XI/2020/656	Dated: 03.03.2020
7. Contractor's Letter No. GPL/NMEW/PMC/2020/ 660	Dated: 22.02.2020
8. Authority Letter No. MSRDC/NMSCEW/5320/2019	Dated: 21.08.2019

Dear Sir,

In continuation to the above cited subject and referred letters, we have reviewed credential and test reports, material tested by NABL accredited third party laboratory and plant visit and found that M/S Agarwal Foundries Pvt. Ltd is an ISO & BIS certified fully sophisticated and automated integrated steel plant having modern facility to sponge iron to TMT bars. The Reinforcement Steel is conforming to the criteria as per IS 1786-2008. The testing is carried out in NABL accredited approved laboratories and above plant. Based on the above credential and satisfactory third party test report we hereby accord approval of M/S Agarwal Foundries Pvt. Ltd for supply of TMT bars subject to the following condition:

- All rebar shall conform to IS: 1786:2008, Fe-500D grade.
- Steel shall be tested in NABL approved third party laboratory as per frequency accordance with IS 1786:2008
- Every consignment shall be supported with MTC and only fresh lot shall be delivered.
- Stacking to be done in accordance with MoRTH specification.
- We reserve the right to reject the source without prior notice if it is found that the material does not conform to the requirement of the specification.

Thanking you,

For Bloom Companies, LLC in Association with Credible
Management & consultants Pvt. Ltd

Prashant .D. Thadve
Acting Team Leader

Prashant D. Thadve
08/07/20

CC:

1. The Superintending Engineer, MSRDC (Ltd.), Camp office, Nashik.
2. The Executive Engineer, MSRDC (Ltd.), Camp office, Nashik.

Project Office: 1st Floor, Gokul Plaza, Yeola Naka, Kopargaoon, Tal: Kopargaoon, Dist.: Ahmednagar, Pin code: 423601

nmscenka1@bloom-india.com

Corporate Office India: 1105 B&C Welldone Tech Park Sector-49 Solana Road Gurgaon H.R.-122018 Phone-0124-4292105
Website: www.bloomcos.com E-Mail: info@bloom-india.com

APPROVAL


Wadia Techno-Engineering Services Limited
 A Wadia Group Enterprise

CIN: U74220MH1960PLC011691

Authority's Engineer for NH-215 (Repalle to Eppurpalem)

Project Office: Flat No. 201&202, Rudra Apartments, Beside Subba Rao Hospital, Repalle, Guntur (Dt.) – 522265
 Telephone: +91-98648-226080 E-mail: wtznh215.ma@gmail.com

Letter No: WTESL/ Pkg-7/BSCPL/RPL-EPL/2018-2019/265

Date: 18.01.2019

To

The Project Manager,
 BSCPL Infrastructures Ltd.,
 Ch: 181+750, Pothuraju Kotha Palem road,
 Maruproluvari Palem (Vill.), Bapatla (Mandal),
 Guntur (Dist), Pin Code: 522101, A.P, India.

Subject: Rehabilitation and up-gradation of Repalle to Eppurpalem section from Km 129/927 to Km 195/000 of NH-214A (New NH-215) to two lane with paved shoulder in the state of Andhra Pradesh under NHDP -IV Through Engineering, Procurement & Construction (EPC) basis* – **Source Approval for M/s Agarwal Foundries Pvt Ltd., (AFSTAR & MS LIFE) Dowel & TMT Bars- Reg.**

Ref: 1) WTESL/ Pkg-7/BSCPL/RPL-EPL/2018-2019/245, dated 19.12.2018

2) BSCPLIL/PKG-7/RPL-EPL/2018/QC/081 dated 14.12.2018

Dear Sir,

With reference to the above cited subject, after verification and conducting necessary tests by the representatives of Authority's Engineer and contractor during the joint factory visit conducted on 11.01.2019 to the Dowel bars and TMT bars manufacturing factory **M/s Agarwal Foundries Pvt Ltd., (AFSTAR & MS LIFE) is in Survey No: 169, Chetia Gowaram, Medak Dist, Tetangana- 502334, INDIA**, it is found that the test results, manufacturing facilities, testing arrangements, loading arrangements etc. are in order. Hence, consent for procuring of Dowel bars and TMT bars from the said source is hereby accorded.

However, the following conditions shall be complied,

- 1) Manufacturers test certificates shall be submitted to us for every consignment of material/ lot and test certificates shall cover all the tests for chemical and physical requirements as per IS:1786-2008 for TMT bars and IS:432(Part-I) of Grade-1 for dowel bars.
- 2) Required tests for samples drawn from the each consignment shall be carried out at the site laboratory/ approved third party testing laboratory, immediately after the delivery to the site.
- 3) During testing, if the reinforcement of steel is found non-confirming to the specifications. The source shall be deemed as a rejected or withdrawn automatically and steel shall be removed from the site.
- 4) Only new material shall be supplied to the site and if any defective or non-confirming material not shall be discarded.
- 5) Procurement, Storage and use of the steel shall be conformity with the relevant IS:4082, clause 1603 of MORT&H specifications.

This is for your information necessary action.

Regional Office: # 8-2-150/K/1&2, C-3 2nd Floor, Kirtree Square, Rd No 12, Banjara Hills, Hyderabad - 500034
 Head Office: (Rajasa Point), Wing A, Pt. Jawaharlal Nehru Road, Vankola - Santacruz (E), Mumbai 400054
 Regd. Office: Neville House, J. N. Heredia Marg, Balford Estate, Mumbai 400 001.
 Website: www.wadiaengg.com



APPROVAL

 **Wadia Techno-Engineering Services Limited**
A Wadia Group Enterprise

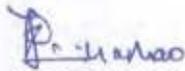
CIN: U74220MH1960PLC011691

Authority's Engineer for NH-216 (Repalle to Eppurpalem)

Project Office: Flat No. 201&202, Rudra Apartments, Beside Subba Rao Hospital, Repalle, Guntur (Dt.) - 522265.
Telephone: +91-08648-226080 E-mail: wtenh216.ma@gmail.com

Yours Truly,

For Wadia Techno-Engineering Services Limited



(Team Leader)

Machilipatnam to Avaniigadda & Repalle to Eppurpalem
New NH-216, Packages: VI & VII

Encl: Test Results (6 Pages)

Copy to:

1. The Regional Officer, MoRT&H, Vijayawada-510010
2. Regional office, Wadia Techno-Engineering Services Limited, Hyderabad.

APPROVAL



**Dhruv Consultancy
Services Ltd.**

IN ASSOCIATION
WITH

infinite

INFINITE CIVIL SOLUTIONS PVT. LTD.

Project: **DCSL- ICSPL/NH-166/MSHAM/DBLMSHPL/2020/382**

Email- **dhruv@dhruvconsultancy.in** Date: **11/12/2020**

To,
**Authorized Signatory
M/s. DBL Mangalwedha Solapur
Highway Pvt. Ltd.
Khomnal road, Near Parvati Tad ITI,
Tehsil Mangalwedha, Dist- Solapur,
Maharashtra – 413305**

Sub:- Four Lining of Mangalwedha to Solapur (Package IV) Section of NH-166 from Km 321+600 to 378+100 in the state of Maharashtra on Hybrid Annuity Mode – **Source approval of TMT Steel from M/s Agarwal Foundries Pvt. Ltd.**

Ref:- 1. Your letter no. DBL/TL/20120-21/2061, dated 24/11/2020
2. T/O letter no DCSL- ICSPL/NH-166/MSHAM/DBLMSHPL/2020/382, dated 26/11/2020
3. Your letter no. DBL/TL/20120-21/2098, dated 07/12/2020

Dear Sir,

This has Reference to the above mentioned subject and your office letter under ref-1 and 3, a joint inspection was made along with your representative Mr.Rakesh Pandey (Material Engineer) on 05/12/2020. The observations and recommendations are as below.

1. The credentials submitted for M/s Agarwal Foundries Pvt. Ltd. is found in order.
2. M/s Agarwal Foundries Pvt. Ltd is producing steel from integrated steel plant which produces their own billets from sponge iron.
3. During the plant visit, tests were conducted at the in-house laboratory on random specimen samples of TMT steel bars and MS round bar. Physical and chemical test results are found satisfactory as per IS 1786-2008 and IS 432
4. Every consignment shall be supported with MTC and only fresh lot shall be delivered
5. Every consignment is to be tested at an (NABL Accredited) third party Laboratory.
6. However, it may be noted that if any deterioration is found in quality at any stage then the approval shall be cancelled.

Hence, based on the above observations M/s Agarwal Foundries Pvt. Ltd is approved for procurement of reinforcement steel of Grade Fe-500D and Mild steel round bar for this project.

Thanking you,
Yours Sincerely


**(A K Sinha)
Team Leader
M/S DCSL in Association with ICSPL.
CC: Project Director, PIU NHAI, Solapur
Head Office DCSL in Association with ICSPL.**



APPROVAL



Authority's Engineer for
Package 14 MUMBAI - NAGPUR Expressway

Ref: ESI-AFCONS/TL/475/2020

Date: 26.06.2020

To **AFCONS Infrastructure**
Attn. **Mr. Sekhar Das, Project Manager**

Copy to **Nagpur-Mumbai Super communication Expressway Ltd. (NMSCEL)**
Attn. **Mr. Hemant Jagtap, Executive Engineer**
Mr. S. K. Survase, Superintending Engineer (Nodal)

Subject: Source Approval for M S Agrawal Foundaries Pvt. Ltd. For TMT Bars.

Rep: 1. ESI-AFCONS/TL/190/2019 dated 15.10.2019
3. 3456/NMSCEW/TL/134/2019 dated 02.05.2019
4. RFI-3456/NMSCEW/AFC/QC/1910001

Mr. Sekhar Das,

With reference to above cited letter regarding factory visit, our representative has visited M/s MS Agarwal Foundries Steel Plant on 03/10/2019 along with Contractor Representative. Manufacture are using Iron Ore from Original Producer. They have verified the process of steel production i.e from raw material to finished product i.e varies stage of steel manufacturing process are found satisfactory and our observations are given as below.

1. Each consignment of steel should accompany the Manufacturers Test Certificate with delivery challan.
2. After the receipt of the materials at the site, RFI should be raised for sampling and testing against each lot bearing specific no, giving details of stores, lot size, diameter of bars etc. Necessary samples shall be drawn from each lot and shall be tested for reconfirmation of quality of material in an approved Independent Laboratory. Acceptance of material and its use at the site shall be subjected to acceptable confirmatory test results.
3. Only new steel shall be delivered to the site without involvement of dealers/suppliers.
4. Reinforcement steel shall be stored and protected as per section 1603 of MORTH Specifications.

Global Head Office
Emilio Muñoz, 35-37,
28037 Madrid,
T +34 915 949 500
F +34 915 473 934

Gurgaon Office
Office No. 208 & 209, 2nd
Floor,
DMD Regent Square,
M.G. Road, Gurgaon - 122002,
T +91-124-4856714

South Asia Head
Office
Unit No. 1203, 12th Floor,
PS Srijan Corporate Park,
Tower 1, Block EP & GP,
Sector V, Salt Lake,
Kolkata - 700091

Project Office
Kastur Building Ground Floor,
Near Vignans Center,
Dharmagiri, Igatpuri,
PEN - 422 403, Maharashtra

Page 1 of 2

Eptisa Servicios de Ingeniería, S.L., C.I.F.: B-85007982 - inscrita en el Registro Mercantil de la Provincia de Madrid, Nº de Inja M-439750, Folio 53, Tomo 24446, Sección 8, Inscripción 1ª

APPROVAL



Authority's Engineer for
Package 14 MUMBAI - NAGPUR Expressway

However, the contractor is hereby accorded our recommendation for the above sources to use of reinforcement activates in different works and you are advise to get third party tests witnessed by our representative prior to use the materials at site and will be accorded based on the third party test reports and Manufacturer test reports

The right to reject the above source without any prior notice is hereby reserved if it is not meeting the Specification as per IS: 1786-2008, IS: 15774-2007 and related code specification.

Hence the credentials and review of the same can be done by the PD, for any queries please contact the MSRDC office.

For and on behalf of
EPTISA Servicios de Ingenieria S.L.



Pablo Angel Corrales Martinez,
Team Leader

Global Head Office
Emilio Muñoz, 35-37,
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**South Asia Head
Office**
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PS Srijan Corporate Park,
Tower 1, Block EP & GP,
Sector V, Salt Lake,
Kolkata - 700091

Project Office
Kasar Building Ground Floor,
Near Vigassara Center,
Dhummagiri, Igatpuri,
PIN - 422 403, Maharashtra

Page 2 of 2

APPROVAL

CIN: U74899DL1993PTCo56123



Ref. no. CMC/Nashik/MSRDC/2020/091
Dated: 30.09.2020

To
M/s Ashish Infracon Pvt. Ltd & M/s Ananta Procon Pvt. Ltd. (JV)
T-13, Third floor, Orvit Business Hub,
Near Dena Bank, Radhanpur Road,
Mehsana – 384002,
Gujarat.

Subject: Widening, Up Gradation & Augmentation to 2 Lane with Paved Shoulder / 4 Lanes with Paved Shoulder of Pimpalner to Satana Section of NH-752G from km 21+427 to km 64+00 km under NH (o) on EPC mode.

Reg: Source Approval for the Procurement of TMT Steel & Dowel bars to be used on the Project.

Ref: 1. Your letter No. AAJV/MSRDC/752G/2020/72 dated 26.09.2020
2. Your letter No. AAJV/MSRDC/752G/2020/70 dated 24.09.2020
3. Your letter No. AAJV/MSRDC/752G/2020/67 dated 19.09.2020
4. Our letter no. CMC/Nashik/MSRDC/2020/079 dated 12.09.2020
5. Your letter No. AAJV/MSRDC/752G/2020/63 dated 08.09.2020

Dear Sir,

This has reference to your submissions of profile & credentials of the following steel producing / manufacturing companies for approval as source for procurement of HYSD steel (FE500D & FE550D) for use on the project vide your letters mentioned above at ref. 2 & ref. 5.

1. M/S Rashtriya Ispat Nigam Ltd. (RINL, VIZAG).
2. M/S JSW Steel Ltd. (JSW, Raigad, Maharashtra).
3. M/S M. S. Agarwal Foundries Pvt. Ltd., Hyderabad.

Profile & credentials of above manufacturers were reviewed in the light of Clause 1009.3.1 of Specifications for Road & Bridge Works-2013, 5th revision published by Indian Roads Congress on behalf of the Ministry of Road Transport & Highways and found that the above proposed manufacturers are primary producers of HYSD steel and are equipped with required in house testing facilities.

Joint Plant Committee, constituted by Govt. of India, Ministry of Steel has enlisted Integrated Steel Producers. After scrutiny of the data submitted by the steel plants, it is found that M/S Rashtriya Ispat Nigam Ltd (RINL, VIZAG) and M/S JSW Steel Ltd, Raigad, Maharashtra are Integrated Steel Producers.

Profile & credentials of M/S M. S. Agarwal Foundries Pvt. Ltd. are also found in order and subsequently a joint factory visit was conducted with the representative of EPC Contractor. Findings of the visit are as under:

1. M/S M. S. Agarwal Foundries Pvt. Ltd. has an integrated steel plant and is an original producer and manufacture billets directly from iron ores and roll the billets to produce steel.
2. Manufacturer's in house testing laboratory is adequately equipped with all required testing equipments.

P. Anand

Corporate Office: 177 Block-R LGF, Greater Kailash-1 New Delhi-110048 Phone-011-46702241

Project Office: C/o Sudam Chavan, Sindhu Aai Niwas, Samarth Nagar, Near Mausam Traders, Satana -Pimpalner road Tahradad Nashik Maharashtra-423302

Website: www.cmcindia.net E-Mail: info@cmcindia.net pimpalneroffice@cmcindia.net

APPROVAL

3. Quality Assurance System is being adopted at difference stages of steel manufacturing process from raw materials to end product.
4. During plant visit, jointly collected samples were tested in their in house facilities for mechanical & chemical properties and results were found in compliance to the requirement of IS: 1786.

In view of above, following sources are hereby approved for procurement of Steel (FE500D & FE550D) for use on the project:

1. M/S Rashtriya Ispat Nigam Ltd.
2. M/S JSW Steel Ltd.
3. M/S M. S. Agarwal Foundries Pvt. Ltd.

Further, the following points should be strictly adhered.

1. All consignments shall accompany with Manufacturer's Test Certificates bearing lot no & lot size.
2. Proper storage / stacking shall be done as per specifications & standards.

Thanking You

Yours Faithfully


Mahesh P. Asthana
Team Leader

Credible Management & Consultants Pvt. Ltd.

Copy to: The Executive Engineer, MSRDC, Nashik (MH).

APPROVAL



STUP Consultants Pvt. Ltd.

Sustainable Design of Infrastructure & Real Estate through Innovation



Ltr: No 34/C/13923/KSR/2018/173

Dt: 01/06/2018

To,

BSCPL Infrastructure Limited.
#8-2-502/1/A, JIVI Towers,
Road No.7, Banjara Hills,
Hyderabad – 500034

Attn: Mr. B Mallikarjunaiah, Project Manager

Sub: Construction of multilevel /Grade Separators at Four junctions at LB Nagar and Surroundings in Hyderabad under engineering procurement and construction (EPC) – Turnkey (Package – II) – **Source approval for "AF STAR & MS LIFE TMT Steel – MS Agarwal Foundries (P) Ltd"** – reg.

Ref: Your letter no. GHMC/FO/PKG-II/F.No-11/ BM/18/277, Dated: 01/06/18

Sir,

With reference to your letter mentioned above and plant visit by our QC Engineer and myself along with your representative on 25.05.18, the proposals/documents submitted by you for source approval of **AF STAR & MS LIFE TMT Steel – MS Agarwal Foundries (P) Ltd.** which have been examined and following observations made:

- a. **M/s MS Agarwal Foundries (P) Ltd** is an integrated plant which produces their own billets for making their TMT bars through their own process.
- b. They produce billets from sponge iron directly extracted from Iron ore of Department of Mines & Geology, Bellary, Karnataka.
- c. From verification of documents which have been submitted by them that they are extracting the Iron ore from Department of Mines & Geology, Bangalore.
- d. During the plant visit, tests were conducted for mechanical & chemical properties of TMT bars in their in house laboratory and results found satisfactory. The samples collected from the source are given to third party testing and results found satisfactory.
- e. **M/s MS Agarwal Foundries (P) Ltd** is making their TMT bars in the brand name of **"AF STAR & MS LIFE TMT"**

In view of the above, we confirm our approval of **AF STAR & MS LIFE TMT** for procurement of TMT bars for the subject project works. Subject to:

- I. Every consignment of reinforcement steel brought to site should be supported with MTC.
- II. Only new reinforcement steel shall be delivered to the site and if any defective or non-conforming material/ lot shall be discarded.

Contd,...

Flat No.301, Dr.No.6-3-248, 'A' Block, Maheswari Towers, Near Citi Bank ATM, 3rd Left from Karachi Bakery, Banjara Hills, Road No.1, Hyderabad-500 034, Telangana, India.
Tel : 23386130 / 23386150 Fax : 040-23386140 Email : hyderabad@stupmail.com

Regd. Office: 1004 & 5, Raheja Chambers, 213, Nariman Point, Mumbai - 400 021. CIN: U74999MH1963PTC012649
Tel : 022- 40868686. Fax : 022-22048424. E-mail: mumbai@stupmail.com www.stupco.com

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STUP Consultants Pvt. Ltd.



- III. Each consignment of supply shall be tested in outside laboratory as per specification.
- IV. During testing, if the reinforcement of steel is found non- conforming to the specifications, the source shall be deemed as rejected/ withdrawn automatically and steel shall be removed from the site.
- V. It will further be ensured that, reinforcement of steel delivered to the site is direct from the factory only.
- VI. No re-rolled steel shall be allowed.

Thanking you,

Yours faithfully,
For STUP Consultants P. Ltd,



K. Srinivasa Rao
Project Manager

CC: Executive Engineer – PD-EZ, GHMC

APPROVAL

 <p>SA INFRASTRUCTURE CONSULTANTS PVT LTD</p>	<p>Project Office : 2-415 (Old No. 2-223/1), 2nd Floor, Nandamuri Nayam, 80 Feet Road, Opp. Dharama Residency, Adjacent Masikya Nagar, Katsira, Vidyawada-520007 (Andhra Pradesh) Email: fl.gundugolanusainfra@gmail.com</p>
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Lr. No. SAICPL/Gundu-Chiavu/Pkg I&II /NH16/ 446 Date: 09.10.2020

To
The Project Manager,
Varaha Infra Limited- Jiangxi Const. Eng. (G) Co. Ltd., (JV),
UMESH SMRITI"6, JALAM VILAS SCHEME,
PAOTA" B" ROAD JODRUR RAJASTHAN 342006.

Project: Six laning of existing 4-lane road from Gundugolanu (Design km 1023.280) to Kalaparru (Design km 1050.680) of NH-5 (New NH-16) (Design length = 27. km) in the State of Andhra Pradesh under NHDP Phase-V under Bharatmala Pariyojana on EPC Mode ("Project").

Sub: Source Approval of Reinforcement steel from M/s. MS Agarwal Foundries Pvt. Ltd., -Reg.

Ref: 1) VIL/2020/PD/VJA/GK/0383 dt: 05.10.2020.
2) NHAI Policy matter Circular No (141/2013):11041/218/2007 admin dated on 12.08.2013.
3) Ministry of steel Gazette Publication on 12th May 2016.

Dear Sir,

With reference to the above cited subject, the submitted credentials of M/s. AGARWAL Foundries Pvt Ltd (AFSTAR and MS LIFE TMT) for supply of Reinforcement steel to incorporate in the Project Structure permanent works of the project highway was reviewed and found to be satisfactory with the following observations:

1. Manufacturer's test certificates are to be required for every lot/ batch steel procured. Steel shall be procured as per MoRTH clause No. 1009.2.1.
2. Every batch/lot steel should be tested in the approved NABL Independent laboratory as per IS specifications before incorporation into the permanent works. Joint sampling shall be carried.
3. Steel shall be procured from "original producers" who manufacture billets directly from the iron ores and roll the billets to produce steel conforming to IS 1786:2008.
4. The reinforcement bars, shall be stored above the surface of the ground upon platforms, skids or other supports, and shall be protected from mechanical injury and from deterioration by exposure as per MoRTH clause: 1009 & 1600.



Corp. Off: 11014, 11th Floor, Tower A-4, Corporate Park, Plot No. 7A/1, Sector - 42, Noida 201301
Ultra Project, INDIA. Tel: +91-120-6148000 | Tel/Fax: +91-120-6148790

www.sainfra.com

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5. The Company having certificates like Thermax Qst Licences and BIS certificates and other certificates having are to be renewed timely as per BIS standards.
6. The lot / batch shall reject automatically in case of any tests fails when tested in Independent lab/Manufacturer's lab.
7. The Reinforcement shall be stacked as per IS Code – 4082-1996 Clause No. 413.

Therefore, the Approval of this Source of Reinforcement steel from M/S MSAF Pvt Ltd shall be based on witness of testing and production process of quality control standard parameters to maintain from raw material to final stage including stacking.

Thanking you and assuring our best co-operation at all times.

Yours truly,



(Venkata Basaweswara Rao. P)
Team leader,
V- G Project, NH-16,
SA Infrastructure Consultants Pvt. Ltd.
Vijayawada.

CC: 1. The PD, PIU, NHAI, Vijayawada, Vijayawada for kind information
2. SA Infrastructure Consultants Pvt. Ltd., Noida-142 (U.P) for information and records.

APPROVAL



Theme Engineering Services Pvt. Ltd.
No 8, Thoomayammal Nager, 6th Street, R.S College Post,
Thanjavur, Tamilnadu – 613005
PH – 04362-275551. E-mail: thanivurtheme@yahoo.com

THEME/NHAI/CHO-TNJR/CON/1119/436

02.11.2019

To
The Authorized Signatory,
M/s.Patel Cholopuram – Thanjavur Highway Pvt. Ltd.,
Patteeswaram Road, Sundera perumal koil, (Village & Post)
Kumbakonam Taluk, Thanjavur – 614 208.

Sir,

Sub: Four laning of Cholapuram – Thanjavur from Km.116.440 to 164.275 section of NH-45C in the state of Tamilnadu under NHDP – IV on Hybrid Annuity Mode – **M/s Agarwal Foundries Pvt Ltd-Joint inspection report – reg**

- Ref:** 1. Concessionaire agreement dated 12.10.2017
2. PCTHPL/CTP/IE/2019/488 dated 11.09.2019
3. THEME/NHAI/CHO-TNJR/CON/0919/405 dated 20.09.2019
4. NHAI Policy matter Circular No (141/2013): 11041/218/2007 admin dated 12.08.2013
5. Ministry of steel Gazette Publication on 12th May 2016

With reference to the above, a Joint inspection was made along with Concessionaire representative Mr. Rajendra Prasad (General Manager) on 21.10.2019 and 22.10.2019. The observations and recommendations are as below

1. NHAI Circular vide reference No.4 says "All steel shall be procured from Original producers who manufacture billets directly from iron ores and roll the billets to produce steel conforming to IS: 1786. No re-rolled steel shall be incorporated in the works." While inspection, it is confirmed that the iron ore is stocked at the Maruti Ispat & Energy Private limited factory at Manthralayam which is partner company of the Agrawal industries (Chartered accountant certificates are enclosed which shows Agrawal Industries have 87.61% stake holding in it) and the sponge Iron is being produced from this factory. Upon enquiry it was told that the iron ore is being procured through government open auction from NMDC/Vedanta. The copies of tax invoices and the purchase orders are enclosed for reference. The sponge iron made in Manthralayam factory is being transported to Agrawal Industries located at the outskirts of Hyderabad. Second day, we visited the Factory at Thoofran (Hyderabad) and it is found that the manufacturing of the billets and rolling them to TMT bars. It is witnessed that billets are being manufactured from iron ore and simultaneously rolled into TMT bars.
2. Notification vide in reference No.4 says "No steel producers will be classified/certified as integrated steel producers.....stands withdrawn and becomes null and void with immediate effect". Hence the list of steel producers is not referred for consideration of source approval.
3. Since the basic criteria of the source approval is satisfied, the source approval is accorded to procure the steel from M/s Agarwal Foundries Pvt Ltd
4. Routine tests were conducted at factory laboratory. The test results are enclosed for reference.

APPROVAL



Theme Engineering Services Pvt. Ltd.

No.8, Thoomayammal Nager, 6th Street, R.S College Post.

Thanjavur, Tamilnadu – 613005

PH – 04362-275551. E-mail: thanivurtheme@yahoo.com

5. Since the Sponge iron is to be transported from the other location, the following instructions to be carried out for verification of consistency of the quality of the material being procured.
6. It is instructed to get third party testing for each Lot/Consignment at any of NABL accredited laboratories and accepted by the Independent Engineer/Authority to make sure the properties are meeting the specification requirement. Any mismatch found in the properties with respect to the specification requirement at any point of time will lead to re examine the whole process and further procurement should stop with immediate effect including the rejected lot.
7. Also instructed for review the process after procurement of every 500 Mt of the steel from this source

This is for your information and further necessary action.

With Regards,

For Theme Engineering Services Pvt Ltd



N. Chandra Shekhar Reddy,
Team Leader,-
Cholapuram – Thanjavur,
Thanjavur.



Encl: As above

Copy To: The Project Director, NHAI – PIU, Thanjavur – For Information Please

APPROVAL



Project Management Services for the construction of Flyover
between Balanagar X-Road to Narsapur X-Road, Hyderabad
under EPC

Letter No. AA/PM/BNF/BSCPL/2147/19-20/177
Date 24th September 2019.

To
The Project Manager,
Balanagar - Narsapur Flyover,
BSCPL Infrastructure Ltd.,
Hyderabad.

Sub: Construction of Flyover between Balanagar 'X' roads, to Narsapur 'X' roads, Hyderabad
under EPC System. **Reg:** Source approval for MS Agarwal Foundries Pvt. Ltd (AF STAR
and MS LIFE TMT) company product steel.

Ref: 1. Contractor's letter no. BSCPL/HMDA/BLN/FO/F.NO-7/BM/19/267, dated 31.07.2019.
2. Contractor's letter no. BSCPL/HMDA/BLN/FO/F.NO-1/BM/18/17, dated 11.04.2018.

Dear Sir,

This has reference to your letters cited above, where in you have submitted the credentials and
third party reports of the MS Agarwal Foundries Pvt. Ltd (AF STAR and MS LIFE TMT)
company product steel details regarding source approval for procuring the TMT steel bars,
to use in above subject project.

As part of the joint factory inspection on 29-07-2019, PMC representative, along with Employer's
representatives and Contractor's Project Manager, had visited the MS Agarwal Foundries Pvt. Ltd
(AF STAR and MS LIFE TMT) product steel manufacturing plant located at Toopran Mandal,
Medak dist, Telangana.

Further, joint factory inspection on 21-09-2019 of Sponge iron production by PMC representative,
along with Employer's representatives and Contractor's representative, was done at
Manthralayam, and also we have checked Iron ore stock file, coal stock file, dolomite materials
and various stages of Sponge iron manufacturing /delivery process and laboratory testing
facilities found satisfactory.

After checking and verifying various stages of steel manufacturing process and delivery
procedures, records & documentation and laboratory testing facilities present there, we opined
that the establishment and its products are at par with the required standards.

Also, we have reviewed and verified the submitted third party reports, company profile,
credentials, BIS Licence, ISO certificate, technical data sheets and MTCs of steel from MS
Agarwal Foundries Pvt. Ltd (AF STAR and MS LIFE TMT) product steel, which are found
satisfactory, it is opined that the material conforms to the specification requirements. As such,
TMT steel from MS Agarwal Foundries Pvt. Ltd (AF STAR and MS LIFE TMT) company product
steel is provisionally approved for use in above subject project works.

Further, following points should be strictly adhered to, during the project duration:

1. Only newly produced steel lot shall be delivered to site.
2. The steel shall be procured directly from the approved manufacturer without involvement of
local dealers/suppliers.
3. All consignments shall be accompanied with the Manufacturer's Test Certificates bearing lot
size, lot No. Etc.

Project Office : H.No. B-3-684/T2, Plot no. 12, LIC Colony, Shalivanana Nagar, Srinagar Colony, Hyderabad - 500073, Telangana
Tel: 040-4589 2222; e-mail: AE2147balanagar@aarvee.net

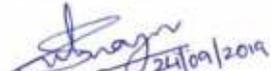
Head Office : Ravula Residency, Srinagar Colony Main Rd., Hyderabad - 500 082, India. CIN: U74200TG2005PTC045491
Tel: +91-40-23737633; 48483456; Fax: +91-40-23736277; e-mail: aarvee@aarvee.net; web: www.aarvee.com

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4. Jointly sampled steel from each lot shall be tested at an approved independent laboratory for compliance, at required frequency.
5. If any test piece selected from a lot fails, no retest will be done, and the entire lot is liable for rejection.
6. Proper storage/stacking shall be done as per Specifications and Standards.

However, source approval will be withdrawn in the event of the steel procured are not meeting the required relevant specification for incorporating in the construction.

With best regards,
for Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.,


KVS Subrahmanyam
Project Manager.

Copy To:

1. The Chief Engineer, HMDA, Hyderabad.
2. The Executive Engineer, Project Division-II, HMDA, Hyderabad.
3. The Authorized signatory, Aarvee Associates Architects Engineers & Consultants Pvt. Ltd, Hyderabad.

APPROVAL



KNJ/GMR/SO/2019-20/QC-12

Date: 31.08.2019

To
The Project Manager,
M/s GMR Pochanpalli Expressways limited,
KM 443+910 Toll Plaza,
AllapurViaRavelly Village,
Kallakallu (P.O),
Toopran Mandal Medak (Dist.), Telangana State.

Sub: Independent Engineer Services during O & M period for 4 Lane stretch from Km. 367+000 (AdloorYellareddy) to Km. 464+000 (GundlaPochanpalli) (Contract Package No. NS-2/BOT/AP-2) and Additional highway from 464+000 (GundlaPochanpalli) to Km. 474+000 (Bowenpalli) - Source Approval For M/S AGARWAL FOUNDRIES Pvt Ltd. (AF STAR and MS LIFE TMT Bars) - Reg.

Ref:

1. GMR/GPEL/AP-2/K&J/2019/5549, Dt. 22.08.2019.
2. GMR/GPEL/AP-2/K&J/2019/5458, Dt. 03.07.2019

Dear Sir,

With reference to your letter mentioned above and plant visited by IE's representatives and SQME along with your representatives on 14.08.2019 & 23.08.2019, the proposal//documents submitted by you for source approval of AF STAR and MS LIFE TMT Steel Bars - M/S AGARWAL FOUNDRIES Pvt Ltd. Which have been examined and following observations made:

- 1) M/S AGARWAL FOUNDRIES Pvt Ltd are an integrated steel players and manufacturing steel right from iron ore stage, having manufacturing units as under:
 - i). MS Agarwal Foundries Private Limited:
Factory: Survey No.169,P.O. Chetla Gowraram -502334.
Toopran Mandal,Dist: Medak (TS). We are an Integrated plant having Continuous casting machine, steel melting Shop (SMS) & Rolling Mill With Production capacity of 2 Lacs MT/annum.
 - ii). Maruti Ispat Energy Private Limited:
Factory Survey: No.167C,167DC,167E Madhavaram Village, mantrlayam mandal, Madhavaram, Kurnool-518349 (A.P), our Group Company are having facilities for Sponge iron Production capacity with 200000 MT/Annum.



K & J Projects Pvt. Ltd.

Head Office : SHIVAM, 16, NIT Layout, Ravi Nagar, Nagpur - 440 033 Maharashtra, India.
Tel. : +91 712 2556402, Fax : +91 712 2556403 E-mail : contact@knjprojects.com; www.knjprojects.com
Regional Office : 8-3-319/8/7, Yellareddy Guda, Ameerpet, Hyderabad - 500073, Telangana.
Tel. : 040-23322021, Email : contact-hyd@knjprojects.com
CIN No. : U45203MH2004PTC150165

Pg.1/2

APPROVAL



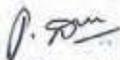
- 2) From verification of documents submitted by them it is observed that, they are getting the iron ore from Department of Mines and Geology, Bellary, Karnataka and manufacturing sponge iron at their plant at Madhavaram Village, Kurnool District.
- 3) They produce billets in their plant at Chetla Gowraram, Toopran Mandal, Dist: Medak (TS) for making of TMT Bars through their own process from the sponge iron manufactured in their plant at Madhavaram Village, Kurnool District.
- 4) During the plant visit on 14.08.2019 & 23.08.2019, tests were conducted for ascertaining mechanical & chemical properties of TMT Bars in their in house laboratory and the test results were found satisfactory. The samples collected from the source are given to third party testing and results of test reports are found satisfactory.
- 5) M/S AGARWAL FOUNDRIES Pvt Ltd is making their TMT Bars in the brand name of AF STAR TMT Bars.

Therefore the approval of source M/S AGARWAL FOUNDRIES Pvt Ltd. for the use of TMT Bars on COS works, is here by accorded subjected to following conditions:

- 1) All test reports shall be consistently comply with the specification requirement of section 1000 of MoRT&H and IS: 1786.
- 2) Each lot of supply shall accompany with the Manufacturer's Test Certificate (MTC)
- 3) Only new steel shall be delivered to the site. Every bar shall be inspected before assembling on the work and defective, brittle or burnt bar shall be discarded.
- 4) Each lot of supply shall be tested in NABL approved laboratory.
- 5) Material brought to the site, on tests if found failing to meet any of the specification requirements the lot will be rejected.

Thanking you,

Yours truly,



P. NagaBhushanam
Team Leader
K & J Projects Pvt Ltd.
AP-2 Project, Toopran.

Copy to:

1. The Project Director, NHAI, PIU-Nirmal for information please.
2. Executive Director, K&J Project Pvt. Ltd. Pune for information please.

Pg.2/2

K & J Projects Pvt. Ltd.

Head Office: SHIVAM, 16 NIT Layout, Ravi Nagar, Nagpur 440 033 Maharashtra, India, www.knjprojects.com
Tel: 040 23322021E: contact-hyd@knjprojects.com

CIN No. : U45203MH2004PTC150165

APPROVAL



Scm-site/No
 Oc Lab-
 CPM-E/ARP-Tech
 Full records
 Muf

KJPL/KKM Project /NH-227-Package II/ IE/2019-20/307

Date: 19.12.2019

To

The Chief Project Manager
 M/s Kallagam-Meensurutti Highway Pvt Ltd,
 No.14, Balaji Nagar, Keelapalur,
 Ariyalur -621707.

LETTER BY :	NHAI
	I.E.
RECEIVED ON MAIL :	19/12/19...12:46PM
RECEIVED HARD COPY :	
DISTRIBUTION	
1 STRUCTURE :	
2 HIGHWAY	
3 OC LAB	

Sub: Independent Engineer Services for Four Laning of Kallagam to Karuppur from Km. 38+700 to Km. 50+382 and Two Laning with Paved Shoulders from Karuppur to Meensurutti from Km. 50+382 to Km. 98+433 of NH-227 under Bharatmala Pariyojana (Residual Project under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode – **Submission of Third party test report of TMT FE 500D - Reg**

Ref: 1. KMHPL/K&J/NH-227/2019/267 dt: 10.12.2019.
 2. KJPL/KKM Project/ NH-227-Package II/IE/2019-20/176 dt: 03.09.2019.

Dear Sir,

Please refer to above cited correspondence at S.No:1. We are in receipt of Third party test report of TMT FE 500D to be used in construction works on Project Highway from following sources.

1. M/s Agarwal Foundation Pvt Ltd.
2. M/s JSW steel Ltd.

The submitted Third party test report of TMT FE 500D Grade reviewed by IE through SQME. Following comments are offered.

- A. M/s Agarwal Foundation Pvt Ltd., Hyderabad.
 1. IE vide letter referred at S.No : 2 has given provisional approval to above said source based on factory visit and has requested for submission of third party test results from NABL Accredited laboratory.
 2. Physical and Chemical tests on 16mm TMT Bar 500D Grade, source M/s Agarwal Foundation Pvt Ltd carried out at NABL Accredited M/s Omega Inspection & Analytical Laboratory, Chennai.
 3. Submitted test results conforms to IS: 1786- 2008 (Reaffirmed 2013) specified values. Further it is required that test on other diameter bars received on site from the above said source should also be carried out at NABL Accredited external laboratory. Copy of same should be submitted to IE.
 4. Submitted third party test report for 32mm Dia Dowel Bar tested at NABL Accredited external laboratory found meeting the requirement as per IS: 1786: 2008 (Reaffirmed 2013) and IS: 432 Part1 982.
 5. Regarding Dowel Bar, ensure compliance to the test i.e bond stress to be carried out as per MoRTH clause 602.6.5.5 & IRC: 15-2017 clause 8.3.10.

K & J Projects Private Limited
 Site Office: no. 11-4 Silakudi Road, backside of the high School, Kallagam Project, Kallagam, Trichy -621653.
 Email: tl_kkm@knjprojects.com, contact@knjprojects.com, www.knjprojects.com
 Head office: SHIVAM, 16 NIT Layout, Ravi Nagar, Nagpur-440 033 Maharashtra, India. Tel: 91 712 2556402
 CIN No.:U45203MH2004PTC150165



Page 1 of 2

APPROVAL

6. As observe by IE, you have started using TMT FE 500D Dia Bars recently in Project Highway in construction work from above said source.
7. In view of above, you may continue procuring TMT FE 500D Bars and 32 mm Dia Dowel Bar from above said source.
8. Arrangements should be made for witnessing of test by IE & Concessionaire representative during the conduction of test at external laboratory.
9. Ensure compliance to third party test as per MoRTH clause 901.10 & 1015.1.
10. Lots received on site from above said source should accompanied with MTC.

B. M/s JSW steel Ltd.

1. IE vide letter no: 108 dated: 18.07.2019 has approved the source of M/s JSW steel Ltd . Vijayanagar, Bellary Karnataka for procurement of TMT Bar Fe 500D Grade.
2. Submitted third party test report for chemical properties on 8mm Dia, 10mm Dia TMT Bar Fe 500D Grade and physical properties for 8mm , 10mm , 12mm , 16mm , 20mm Dia TMT Bar Fe 500D Grade from the source M/s JSW steel Ltd tested at NABL Accredited M/s Omega Inspection & Analytical Laboratory, Chennai found meeting the specified values as per IS: 1786: 2008 (Reaffirmed 2013) and IS: 432 Part1 982.
3. Further it is required that chemical properties for other Dia TMT Bar Fe 500D Grade received on site from M/s JSW steel Ltd is carried out at NABL Accredited external laboratory. Copy of same should be submitted to IE.
4. TMT Bar Fe 500D Grade from M/s JSW Steel Ltd is already been used on the Project Highway in construction work by you.
5. In view of above, you may continue to procure TMT Bar Fe 500D Grade from M/s JSW steel Ltd .
6. Ensure compliance for third party test as per MoRTH clause 901.10 & 1015.1. and MTC per lot received on site.
7. Arrangements should be made for witnessing of test by IE & Concessionaire representative during the conduction of test at external laboratory.

This is for your information and record please.

With Warm Regards,
For K&J Projects Pvt. Ltd.

(e. Somaraju) 19/12/19

KSV.Somaraju
Team Leader
Kallagam-Meensurutti Project



- Copy to: 1. The Project Director, NHAI, PIU, Villupuram for kind Information.
2. The Manager (Tech), NHAI, PIU-Villupuram @ Trichy for kind information.
3. The Executive Director, K&J Projects Pvt Ltd Nagpur & Pune for kind information.

Page 2 of 2

APPROVAL

 **MARC TECHNOCRATS PRIVATE LIMITED**
in Association with
OMS INFRA CONSULTANTS PRIVATE LIMITED 

Corp. Office: Marc House, Sector 6-7 Dividing Road, Opp. Devi Lal Park, Bahadurgarh, Haryana-124507

Ref No: **MARC/AP/NH-565/2018/275** Date: **07.01.2020**

To,
The Authorized Representative,
NSPR – PLR (JV),
Sneha House, Banjara Hills,
Road No. 3,
Hyderabad- 500034.

Subject: Consultancy Services for Authority Engineer for Rehabilitation and Up-gradation of NH- 565 from existing km 361/330 (Dornala-T junction) to Km. 420/800 (Penchalakona Junction) to two lanes with paved shoulder on EPC mode in the State of Andhra Pradesh – Source approval for (FE 500D) Steel of RINL (VIZAG STEEL), JINDAL STEEL (JSW), SAIL STEEL, TATA STEEL, MS AGARWAL Foundaries (AF STAR & MS LIFE) - reg.

Ref: (1) L.S.C.E AGREEMENT NO.: 04/2017-18, Date: 14.03.2018
(2) EPC's Lt.No.: NSPR-PLR (JV)/DORNAL/OMS/2018-19/TL-263 dated 07.01.2020
(3) EPC's Lt.No.: NSPR-PLR (JV)/DORNAL/OMS/2018-19/TL-237 dated 12.11.2019
(4) T/o Lt.No.: MARC/AP/NH-565/2018/247 dated 07.10.2019
(5) EPC's Lt.No.: NSPR-PLR (JV)/DORNAL/OMS/2018-19/TL-222 dated 03.10.2019

Dear Sir,

With Reference to the above subject, The contractor vide his letter No cited at ref (2),above has submitted the credentials of the following mentioned sources of steel for approval and which has been reviewed and found in order. The Reinforcement steel bars (FE 500D)

- 1). RINL (VIZAG STEEL)
- 2). JINDAL STEEL (JSW)
- 3). SAIL STEEL
- 4). TATA STEEL

The contractor vide his letter no. (5) Has submitted the credentials and certificates of previous experience with NHAI Projects MS AGARWAL Foundaries (AF STAR & MS LIFE) reviewed and found in order.

Vide referred letter no. (4), MS AGARWAL Foundaries (AF STAR & MS LIFE) manufacturing unit of MS AGARWAL FOUNDARIES PVT. LTD, Chetla Gowaram, Medak Dist., Telangana State was inspected by representatives of Authority's Engineer and Contractor on dated 25.10.2019. The manufacturing procedure, the in-hose testing facilities and quality of TMX steel produced have been checked and found to the specification requirements. The credentials and third party test results had submitted through above references cited at (2) & (3) are found in order.

Regd. Office: 657, 1st Floor, Surya House, Main Rohtak Road, Mundka, New Delhi-110041

Site Office: Teachers Colony, Near Venkateswara Temple, Besides Harivilla Apartment, Nellore Road, Badvel, Kadapa District, Andhra Pradesh. Email: marc.dornala@mtplonline.com

APPROVAL



MARC TECHNOCRATS PRIVATE LIMITED
in Association with
OMS INFRA CONSULTANTS PRIVATE LIMITED



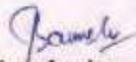
Corp. Office: Marc House, Sector 6-7 Dividing Road, Opp. Devi Lal Park, Bahadurgarh, Haryana-124507

You may proceed with the source subject to the following Conditions.

- 1) The physical & chemical properties of Steel for every consignment shall be tested at third party laboratory regularly.
- 2) Each consignment delivered to the site shall have manufacturing test certificate (MTC) and kept for AE Verification.
- 3) All records in respect of delivery and its usage are to be maintained accessible for our verification at any time at site.
- 4) Storage and protection needs to be ensured as per MoRT&H guidelines properly at site.
- 5) The guidelines given in section 1000, clause No: 1009.3.1 of MORT&H specification for Road & Bridge Work's (5th revision) and IS: 1786-2008 should be followed.

The approval can be cancelled at any time if the quality of the product does not meet out the requirement of specifications and codal Provisions.

Yours sincerely,



Team Leader
Authority's Engineer
For Marc Technocrats Pvt. Ltd in Association with
Oms Infra Consultants Pvt. Ltd.

Copy to:

1. The Superintending Engineer, (R&B), National Highway Circle, Vijayawada, AP.
2. The Executive Engineer, (R&B), Kadapa AP.
3. The Dy. Executive Engineer (R&B), NH Division, Ongole.
4. M/s Marc Technocrats Pvt. Ltd in Association with Oms Infra Consultants Pvt. Ltd., Hyderabad

Regd. Office: 657, 1st Floor, Surya House, Main Rohtak Road, Mundka, New Delhi-110041

Site Office: Teachers Colony, Near Venkateswara Temple, Besides Harivillu Apartment, Nellore Road,
Badvel, Kadapa District, Andhra Pradesh. Email: marc.dornala@mtplonline.com

APPROVAL



KARNATAKA ROAD DEVELOPMENT CORPORATION LTD.

CIN U45209KA1999SGC025497
ISO 14001:2004 Certified Company

No. KRDCCL/Package-III/2020-21

9771

Date: 08-01-2021

To
The Executive Engineer
KRDCCL Project Office
Shivamogga

Sir,

Sub: Construction of bridges in packages widely spread at different locations on state highways/ major district roads/other roads/village roads in the State of Karnataka on turnkey basis based on tender's own design under package -III - comprising of bridges located in district of Dharwad, Haveri, Shivamogga, Dakshina Kannada, Udupi districts -11 bridges - **Approval to profile and credentials of AF star, as additional supplier of TMT bars for the project.**

Ref: 1) Your letter No. SPL/KRDCCL/P-III/SO/498, Dated: 07-12-2020.
2) Executive Engineer, Project Office Shivamogga letter No.KRDCCL/EE-Shivamogga/2020-21/212 Dated:28-12-2020.

Your recommendation for approval for an additional supplier for steel TMT bars from M/s. Agarwal Foundries Pvt Ltd., Rama Towers, 5-4-83, MG road, Secundrabad samples tested by Bureau Veritos (India) Pvt Ltd. is approved subject to the following conditions:

- The quality of the product shall meet the required strength and specifications
- The suitability and fulfillment of the material with the technical requirement shall be ensured before execution
- The product shall comply relevant latest codal provisions for use in the works envisaged.
- This approval may be revoked/suspended on the basis of review any time

Before procurement of steel required tests shall be personally witnessed by Executive Engineer, Project Office, Shivamogga.

The approval may be communicated to M/s SPL Infrastructure Pvt Ltd., duly indicating the above conditions.

Yours faithfully,


Chief Engineer,
KRDCCL, Bangalore

08/01/2021

Copy to:

- 1) M/s SPL Infrastructure Pvt Ltd., No. 153, KGE Layout, 5th main, RMV 2nd stage, Benaguru-560094, E-mail:info@splinfra.com
- 2) M/s Manasa Consultants, #140B, 2nd floor, 9th cross, Margosa Road, Malleshwaram, Bengaluru-560003.

Regd Off : "Samparka Soudha", Survey No. 8, (B.E.P. Premises), Dr. Rajkumar Road, Rajaji Nagar 1st Block, Bangalore - 560 010. Telephone : 080-22024000, Fax : 080-22024000 | E-mail : mdkrdcl@gmail.com, website : www.krdcl.in

APPROVAL

Office of the Engineer-in-Chief(R&B)
Ibrahimpattam, Vijayawada.

Modified Amendment to Buildings SOR 2017-18(Part-III)

Sub:- (R&B) - Buildings - Amendment to Buildings SOR 2017-18(Part-III) for both Civil and Electrical items specific to the functioning of building works -Regarding.

Ref:- 1.G.O.Rt.No.95 Govt T,R&B(Buildings) Dept dt:18.01.2015.
2. T/o Letter No: ENC/R&B/EE/DEE.3/AEE.9/SOR:2017-18 Dt: 22.09.2017

Adverting to the reference 1st cited, the Government of Andhra Pradesh has constituted a Committee of Chief Engineers with Engineer-in-Chief(R&B)Admn, SR, RSW & Buildings, AP as a Member and Convener and others as Members for finalization of Schedule of Rates(SoR) for both Electrical and Civil items specific to the functioning of building works.

In this regard, the finalized Buildings SOR 2017-18(Part-III) for both Civil and Electrical prepared **with the basic rates** was communicated to all the members of the Committee vide reference 2nd cited.

In this Connection, the following changes are made in the Buildings SOR 2017-18(Part-III).

The following list of company names are included under the following sections and hence, **the List of Manufacturers at page no.104(Civil) & page no.151(Water Supply)** of the Buildings SOR 2017-18(Part-III) is **amended** as follows.

APPROVAL

List of the Names of the Brand / Manufacturer / Supplier of Building Materials			
Sl. No	SECTION	NAMES OF THE ITEMS	NAMES OF THE BRAND / MANUFACTURER / SUPPLIER
1	SECTION – A	BRICKS & BUILDING BLOCKS	Aerocon, Siporex, Nucon, NCL
2	SECTION – B	NATURAL FLOORING TILES	
3	SECTION – C	WALL & FLOOR TILES	CERA, Somany, Hindware, Bisazza, Mrblex, Armstrong, Naveen Ceramics, Kajaria, Nilco, Segno, Sphinx, Orient Bell, AGL, RAK Ceramics, Exxaro Tiles, VITERO TILES.
		TILE ADHESIVES	Ardex Endura, MYK Latitec.
4	SECTION – D	PAVING & INTERLOCKING TILES	Super Decorative, Aditya Designer, Maha Bhina, Tricon, Phonex, Eurocon, Ultra, Sphinx
5	SECTION – E	TIMBER & ROOFING MATERIALS	
6	SECTION – F	MILD, GALVANISED & STAINLESS STEEL	R.K Steels, Sugna TMT Bars, Shyam Steels, Mangal TMT, Mangal TMT 999, Hari Om TMT, Harison, Epoxy Shield, JINDAL Steel and Power brand, Beekay Structural Steel, Kamachi TMT Bars, AF STAR TMT bar & MS LIFE TMT Bar
7	SECTION – G	FIXTURES FOR DOOR & WINDOWS	Jyoti, Classic, Hardwyn, APARNA VENSTER.
8	SECTION – H	WATER PROOFING CHEMICALS & ADMIXTURES	Ardex Endura, Multi chem, MYK Schomburg, Walrus, Clean Tech Corrison Chemicals, Essar, Ecmas.
9	SECTION – I	GLASS	Modi, Saint Gobain, Asahi, Binani, HNG
10	SECTION – J	PAINTS & POLISHES	Asian, Berger, Nerolac, British Paints, JK Cement, Saicoat, Indocem, ESSAR, Sheenlac, Suryacem, PMCC, Neon, GRA FLANKS (Waltz), Walrus – Synthetic Plaster - NCL Alitek, MYK Schomburg, Multichem, GRA Flanks, Indocem, Nippon, Surya Tufit, Ardex Endura, Surfa Coats Paints.
11	SECTION – K	PARTICLE BOARDS	NCL Bison, Ramco-Hilux, Ramco-Hicem, Everest-board, Visakha-board, Rajshri, Innsula, Aerocon, Aerolite, Novopan, Bhutan-board, Green ply.
12	SECTION – L	PLYWOOD	Kitply, Century Ply, National Ply, Bhutan Ply, Samrat, Gurjan ply, Aamoda Ply, NCL, Green ply, Ramaply.
13	SECTION – M	CEILINGS, WALL PARTITIONS & WALL LININGS	Ramco-Hilux, Everest-board, Visakha-board, Rajshri, Innsula, Gypsum India, Saintgobain, Armstrong, Daikin, NCL-Seccolor, NCL Bison, Dorma, NCL, Aerolite, Rondo, NKV Home Depot.
14	SECTION – N	DOORS	Anand, Raavila, Kuffy, Standard, Shubhdwar, ITP, Rajshri, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG, Masonite, Everest, Vishaka, Ambience, Aamoda, Alpine, Dorma, Nagarjuna, NCL Alitek & Seccolor, Ahlada, Niki, Ramaply, iCLEAN.
15	SECTION – P	WINDOWS	LG, Ahlada, NCL Alitek & Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, NCL-Wintech, Fenesta.
16	SECTION – Q	STRUCTURAL GLAZING	NCL-Seccolor, NCL-Bison, Elixir, Sintex, Elgi, Oasis, Polywood, Sintex, NCL-Wintech, Fenesta, LG
17	SECTION – U	EXPANSION JOINT FILLERS	Silseal, Silflex, Armour, Shellitex, MYK Schomburg
18	SECTION – W	MISCELLANEOUS ITEMS	Sintex for PVC tanks, Centurywells for Galvalume sheets, Elixir, for PEB structures, smart coat, Aluminium Sections - Hindalco, Nalco, Jindal, Plywood - Kitply, Century Ply, National Ply, Bhutan Ply, Green Ply, Rondo,

APPROVAL

List of the Names of the Brand / Manufacturer / Supplier of Water Supply and Sanitary items			
Sl. No	SECTION	NAMES OF THE ITEMS	NAMES OF THE BRAND / MANUFACTURER/ SUPPLIER
1	SECTION - C	C.I. PIPES & FITTINGS -AS PER - IS 1729-1979	B.I.C., NECO or equivalent, Kingston
2	SECTION - D	VITREOUS CHINAWARE - SANITARY APPLIANCES as per IS 2556 - 1974	Hindustan Sanitary ware/ Parryware/ Neycer/ CERA / Jaquar/kerovit -kajaria/ H&R Johnson,SCONE Ceramics, Kingston.
3	SECTION - E	TAPS & FAUCETS	Seiko/ Senior/ Nice/ CERA/ Hindware - .PREMIUM MAKE - Jaquar/ Hindware/ Plumber/ Parryware/ H & R Johnson /Kara, Kingston.
4	SECTION - F	G.I. PIPES & FITTINGS	Pipes -Tata, Sail, Zenith. Fittings - HB : Valves - Zoloto, Sant valves/ JSW/ Oswal
5	SECTION - G	PVC PIPES & FITTINGS	Sintex for PVC tanks, Pipes and Fittings - Prince/ Finolex / Sudhakar/Kisan/Supreme or any ISI Brand, LLC Tanks - Parry ware, Slim line, CERA/ UNIFLEX / ASTRAL UPVC & CPVC pipes, AJAY, Aqua excel.
6	SECTION - H	CENTRIFUGAL CAST IRON PIPES & FITTINGS AS PER IS: 3989 - 1984.	B.I.C., NECO - ISI brand
7	SECTION - I	MISCELLANEOUS	Special Taps and CP Fittings - Jaquar / Jupiter Aqua Lines-JAL/ CERA/ SFMC PPR & PVC Pipes, Harshavardhan international / supreme, ASTRAL UPVC & CPVC pipes/Ashirvad, Prince, Kisan, Kingston, Unispace.



To

- 1.Engineer-In-Chief, Public Health Engineering Member, Mahatma Gandhi Inner Ring Rd, Gorantla, Guntur-522034.
- 2.Chief Engineer(R&B), Buildings, Member /Convener, Ibrahimpatnam, Vijayawada .
- 3.Engineer-In-Chief, Panchayathraj Member, D.No.3-20/4,Tankasala Kalyana Mandapam, Enikepadu,Vijayawada.
- 4.Engineer-In-Chief, Tribal welfare and social Welfare, Member, Plot No.401 & 402, Garuda Enclave, Tadepalli, Guntur District.
- 5.Chief Engineer, A.P, Housing Board Member, Flat No.101, Vijayalakshmi residency, ESI Hospital Road, Gunagala, Vijayawada.
- 6.Chief Engineer , A.P, Housing Corporation, Member, 12-52, Prasadampadu, Opp. to Tankasala Kalyana Mandapam, Enikepadu, Vijayawada.
- 7.Chief Engineer , APSRTC, RTC House, 1st floor of PNBS, Vijayawada.
- 8.Chief Engineer , A.P, Medical services and Infrastructure Development Corporation Member, 3rd floor, DM & HS Campus, Sultan Bajar,Koti,Hyd-95.
- 9.Chief Engineer,Police Housing Corporation,AP, Member, DGP Office,Lakdi-ka-pool, HYD.
- 10.Chief Engineer (R&B)Electrical, Member, Ibrahimpatnam, Vijayawada.
- 11.Chief Engineer, Civil TTD Member , Administrative building KT Road, Tirupathi , Chittoor District.
- 12.Chief Engineer, O/o Vijayawada Municipal Corporation, Jawaharlal Nehru Building, Vijayawada, Member.

APPROVAL



☎ 0431-2577383

Bharat Heavy Electricals Limited
Tiruchirappalli - 620 014 : Tamil Nadu : India
Supplier Development Cell / MM /Raw Materials
email: sukumar@bheltry.co.in Fax: 0431-2520719

Ref : MM/RM/SDC
Date : 19.02.2014

To

M/s. Agarwal Foundries Pvt Ltd.
Rama Towers, S-4-83,
Opp.Ranigunj Bus Depot,
MG Road,
Secunderabad-500003. (A.P.)

Kind Attention: Mr. Anurag Agarwal,

Dear Sir,

We are pleased to inform that we have registered your Firm as a **Permanent Vendor** with BHEL / Trichy for supply of following items :

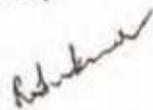
Sl No	Item Description	Item Code
01	TMT Bars - Dia 8.0 to 32 MM (IS 1786 GR Fe 415, 500 & Fe600)	STTMT

Your Supplier Code: 15937

This is for information and records.

Best Wishes,

For Bharat Heavy Electricals Ltd.,
Trichy



(R Sukumar)
Head / SDC

APPROVAL

MAHARASHTRA STATE POWER GENERATION COMPANY LIMITED
(CIN: U40100MH2005SGC153648)

PHONE No. 022 - 2407 7441
022 - 2409 0095
FAX No. 022 - 2407 4084
E-Mail:- mahagencoceci@rediffmail.com



OFFICE OF
The Chief Engineer (Civil) - I
Estrella Batteries Expansion Building
Plot No 1, 1st Floor, Dharavi Road,
Matunga, Mumbai 400 019

CE (C)-I/ BSL/ 1x660 MW/ Vendor approval/ Tech/ **100-0399** Date: **13 MAY 20**

To,
M/s. BHEL,
Shreemohini Complex,
345 Kingway,
Nagpur- 440001.

Sub:- Bhusawal TPS (1x660 MW) Project.

- Approval of Vendor namely "M/s. M. S. Agarwal Foundries Pvt. Ltd. Hyderabad" for supply of TMT reinforcement bars thereof.

- Ref:-** 1) Your letter no. BHEL/ PW/PMX/ Bhusawal TPS/ Steel/ Nil dtd. 07.03.2019.
2) Inspection of manufacturing unit of M/s. M. S. Agarwal Foundries Pvt. Ltd. Hyderabad by the Dy. Chief Engineer (C)-I on 26.03.2019.

Dear Sir,

This office has received a proposal for vendor approval of "M/s. M. S. Agarwal Foundries Pvt. Ltd. Hyderabad" for supply of TMT reinforcement bars for Bhusawal TPS (1x660 MW) Project from you vide letter referred (1) above.

After scrutiny of proposal & inspection of manufacturing unit of "M/s. M. S. Agarwal Foundries Pvt. Ltd. Hyderabad" by representative of this office i.e. Dy. Chief Engineer (C)-I, Mumbai; this office has initiated an office note CE (C)-I/ Bhusawal TPS/ 1x660 MW/ Vendor Approval Tech/ 100 dtd. 02.04.2019 for approval of "M/s. M. S. Agarwal Foundries Pvt. Ltd. Hyderabad" as a vendor for the supply of TMT reinforcement bars for Bhusawal TPS (1x660 MW) Project.

APPROVAL

The vendor approval committee has accorded approval to "M/s. M. S. Agarwal Foundries Pvt. Ltd. Hyderabad" for the supply of TMT reinforcement bars for Bhusawal TPS (1x660 MW) Project. However, it may be noted that all quality control check shall be carried out strictly as per QAP and IS Code 1786:2008 for reinforcement bars supply in accordance with contract stipulation before actual use in the Project work.

Yours faithfully,


Chief Engineer (C)-I

Copy f.w.rs. to :-

- 1) The Chief Engineer (P&P), MSPGCL, Mumbai.
- 2) The Chief Engineer (C)-II, MSPGCL, Koradi.
- 3) The Chief Engineer (Constn.), MSPGCL, Koradi

Copy to :-

- 1) The Dy. Chief Engineer (C), MSPGCL, Bhusawal.
- 2) The Dy. Chief Engineer (Proj.), MSPGCL, Bhusawal.

APPROVAL

**BANGALORE WATER SUPPLY AND SEWERAGE BOARD**

Office of the Chief Engineer, Kaveri, 5th Floor, Cauvery Bhavan,
K.G. Road, Bangalore 560 009,

No.BWSSB/CEKTE/TA10/88/2020/ 2877 /2020-21

Dated: 27/11/2020

To,
EECH ✓

Sub: Bengaluru Water Supply & Sewerage Project – phase III – (CWSS Stage V-CP-04). “Design / Engineering Construction of Pumping station and Reservoir at Harohalli & Tataguni with Operation and Maintenance of Seven (7) Years” under Loan ID – P266.

Reg: Approval of Vendor Credentials for TMT Steel. ✓

Ref: 1. MEIL/BWSSB-CP-04/2020-21/007, dt: 29.09.2020
2. ONTB/BWSSB/BWSSPIII/CP-04/2020/1173, Dt: 15.10.2020
3. No: BWSSB/EECH/CP04/07/2020-21, dt: 23.11.2020

Adverting to the above subject approval is hereby accorded for Vendor credentials for TMT Steel of below vendors under CP-04 - “Design / Engineering Construction of Pumping station and Reservoir at Harohalli & Tataguni with Operation and Maintenance of Seven (7) Years.

1. M/s. JSW Steel Limited ✓
 - a) Approved for TMT bars of grade FE 500D
 - b) Approved for TMT bars of grade CRS 500D (for liquid retaining structures)
2. M/s. Kamachi Industries Limited ✓
 - a) Approved for TMT bars of grade FE 500D
 - b) Approved for TMT bars of grade CRS 500D (for liquid retaining structures)
3. M/s. MS Agarwal Foundries Pvt. Limited ✓
 - a) Approved for TMT bars of grade FE 500D
 - b) Approved for TMT bars of grade CRS 500D (for liquid retaining structures)

Chief Engineer (K)
BWSSB
27/11

Copy to M/s.ONTB consultants for information.

PURCHASE ORDER

PURCHASE ORDER
Project Name : Nagpur-Mumbai Super Expressway



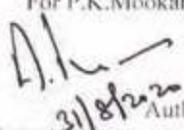
Vendor Details	PO No. : 4000034110 Ver. No.: 0 Dated : 26.11.2020
10005692 - MS AGARWAL FOUNDRIES PVT LTD	Quotation No : 6000085361 Your Reference :
Address : SURVEY NO 169 NH 7 PO CHETLA GOWRARAM TOOPRAN MANDAL GOWRARAM - 502334 Telengana, India	Delivery Address : PLOT NO24,SHANKAR PARWATI NIWAS NEAR SONI KHANAWAL SHIVAJI NAGAR SINNAR Near : Gattu Factory, Sinnar-Tehsil Nashik - 422103 Maharashtra, India
Contact Person :	Contact Person :
State & Code : Telengana (36)	State & Code : Maharashtra (27)
E-Mail ID : sanjay.s@msagarwal.com	Note: Deliver Goods only to the Address mentioned in dispatch schedule section.
GST No : 36AAICS4832K1Z0	Billing Address : APARTMENT NO.A-06,FLAT NO.301,SLPL, DR.COLONY, SAMAJ EKTA GRUHNIRMAN SOCIETY, MANISH NAGAR, SOMAL WADA NAGPUR - 440005 Maharashtra, India
PAN No : AAICS4832K	GST No : 27AACCD6124B1Z6 PAN No : AACCD6124B

We are pleased to place our Order on you for the following material/services subject to terms & condition and instructions as specified.

Sr. No.	Item Description	HSN Code	Qty.	UOM	Unit Rate	CGST %	SGST %	IGST %	UGST %	Amount Excl Tax
1	TMT 08 MM FE-500D SECONDARY SECTION	7214	155.00 0	MT	42,500.0 0	0.00	0.00	18.00	0.00	6,587,500.0 0
2	TMT 10 MM FE-500D SECONDARY SECTION	7214	81.000 0	MT	41,500.0 0	0.00	0.00	18.00	0.00	3,361,500.0 0
3	TMT 12 MM FE-500D SECONDARY SECTION	7214	175.00 0	MT	41,500.0 0	0.00	0.00	18.00	0.00	7,262,500.0 0
4	TMT 16 MM FE-500D SECONDARY SECTION	7214	342.00 0	MT	41,500.0 0	0.00	0.00	18.00	0.00	14,193,000. 00
5	TMT 20 MM FE-500D SECONDARY SECTION	7214	337.00 0	MT	41,500.0 0	0.00	0.00	18.00	0.00	13,985,500. 00
6	TMT 25 MM FE-500D SECONDARY SECTION	7214	432.00 0	MT	41,500.0 0	0.00	0.00	18.00	0.00	17,928,000. 00
7	TMT 32 MM FE-500D SECONDARY SECTION	7214	300.00 0	MT	42,500.0 0	0.00	0.00	18.00	0.00	12,750,000. 00

Regd. Office Address :- PLOT NO 5,, BHOPAL - 462016, Madhya Pradesh
Ph. : 91-7554029999, Fax : 91-7554089998 Email : db@dilipbuildcon.co.in, Website : , CIN No. : L45201MP2006PLC018689

PURCHASE ORDER

		PURCHASE ORDER		DATE	31.08.2020	
P.K.Mookanambalam & Co., Engineering Contracts 21,Jawahar Street, Gandhi nagar,Madurai -625020			GSTIN No:33AABFP1230C1Z5 Web :www.pkmandco.com Email:pkmandco@gmail.com			
INVOICE P.K.Mookanambalam & Co., NO:21,JAWAHAR STREET ,GANDHI NAGAR MADURAI-625020 State Name :Tamilnadu,Code:33 CIN:2688/18-09-1964			Purchase Order No PKM/RVNL/0502.			
Despatch to P.K.Mookanambalam & Co., RVNL MEJ TO NCJ Railway Major Bridges Project. NAGARKOVIL Thirunelveli			INDENT NUMBER 2374 Deliver to NAGARKOVIL Mode/Term of payment Immediate Other Reference			
Suppliers MS AGARWAL FOUNDRIES Rama towers 5-4-83 TSK Chambers opp RANIGUJ BUS DEPOT MG ROAD SECUNDERABAD Medak			CONTACT INFORMATION at site Mr: Umar Ph: 9944527884 MY: Prabhakaran Ph.No - 9840675292			
S.No	Description of Goods	Quantity	Per	Rate	Per	Amount
1	08 MM STEEL TMT BAR	5.00	Mt	39,000.00	Mt	1,95,000.00
2	10 MM STEEL TMT BAR	10.00	Mt	38,000.00	Mt	3,80,000.00
3	12 MM STEEL TMT BAR	50.00	Mt	38,000.00	Mt	19,00,000.00
4	16 MM STEEL TMT BAR	25.00	Mt	38,000.00	Mt	9,50,000.00
5	20 MM STEEL TMT BAR (Inclusive of all Transportation)	10.00	Mt	38,000.00	Mt	3,80,000.00
						38,05,000.00
IGST 18%						6,84,900.00
Total						44,89,900.00
Rupees Forty Four Lakh(s) Eighty Nine Thousand Nine Hundred Only						
Remarks:			For P.K.Mookanambalam & co.,			
This Order is placed subject to the general Terms and condition of Purchase Print Overleaf We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct This is Computer Generated Document			 Authorized Signatory			

PURCHASE ORDER



M.VENKATA RAO INFRA PROJECTS PVT. LTD.

Engineers & Contractors

PURCHASE ORDER

P.O.No.MVRIPLL/HYD/STEEL/19.5.8/2020-21

Date: 02.12.2020

To,
MS AGARWAL FOUNDRIES (P) LTD
'Rama Towers', 5-4-83, TSK Chambers,
OppRanigunj Bus Depot,M.G Road,
Secunderabad- 500003
T: +91 40 30498000
Email ID – info@msagarwal.com

Kind Attn: Mr. J Raghuvver(9390070963)

Sub: Purchase Order of TMT FE 500 bars for our GHMC Flyover works at Hyderabad (7 Tombs Project).

Dear Sir,

In reference to discussions held with you, we are pleased to place the purchase order for the following items:

S. NO	DESCRIPTIONS	Qty(MT)	Rates/MT	AMOUNT(Rs.)
1	8 mm TMT Steel Fe500	27.000	41250.00	11,13,750.00
2	10 mm TMT Steel Fe500	95.000	40250.00	38,23,750.00
3	12 mm TMT Steel Fe500	210.000	40250.00	84,52,500.00
4	16 mm TMT Steel Fe500	206.000	40250.00	82,91,500.00
5	20 mm TMT Steel Fe500	181.000	40250.00	72,85,250.00
6	25 mm TMT Steel Fe500	27.000	40250.00	10,86,750.00
TOTAL		746.000		3,00,53,500.00
			GST 18%	54,09,630.00
			GRAND TOTAL	3,54,63,130.00

Terms and Conditions:

1. Transport : Above mentioned prices are inclusive of Transportation.
2. Payment : 30days Credit from the date of material received at site.
3. Tax Details : Above mentioned prices are extra of GST as indicated above.
4. Delivery Period : As per our dispatch schedule.
5. Delivery Address : M.Venkata Rao Infra Projects Pvt. Ltd, Hyderabad, Telangana – 500008, Contact No.7288888174 (Store)
6. Billing Address : M.Venkata Rao Infra Projects Pvt. Ltd,HNo: 8-2-293/82/J-111/436, Near Apollo Pharmacy, Road No: 80, 3rd Phase, Jubilee Hills, Hyderabad, Telangana –500033.
7. Our GST NO : 36AAECM6274B1ZL
8. Test Certificate : Delivery with relevant test reports.
9. Quality& Conformity: The above mentioned Material supply is expected to adhere to IS standards/specifications and shall be 12 Meters Long without fail, failing which same will be rejected at your risk and cost

Thanking you!

Yours Sincerely,

For M.Venkata Rao Infra Projects Pvt.Ltd.

Authorized Signatory



Please sign as a token of acceptance.

Visakhapatnam: D.R. No. 48-19-6, Second Floor, MVR Complex, Dwarakanagar, Opp: RTC Complex, Visakhapatnam-530 003
Goa : H/No.818, II Floor, Above Audi Goa Showroom, Opp. 'O' Coquiro Hotel, NH-17, Porvairim, Goa-403 501
Mumbai : Silver Strip Bldg.No.:2, Flat No.:A4, Vakola Pipe Line Road, Santa Cruz East, Mumbai- 400 055 Tel: 022-26682884
Hyderabad : HNo: 8-2-293/82/J-111/436, Near Apollo Pharmacy, Road No: 80, 3rd Phase, Jubilee Hills, Hyderabad, Telangana – 500033.
Delhi : Flat.No. 1052, Park Royal Apartment, Sector-9, Plot.no.10A, Dwarka, New Delhi-110075.
E-mail : info@msagarwal.com

PURCHASE ORDER

BSCPL Infrastructure Ltd.

8-2-502/1/A, JVI Towers, Road No.7, Banjara Hills, Hyderabad - 500 034.
Tel : +91 40 23307704, 23307531, Fax : +91 40 23307385, Web : www.bscpl.net
CIN : U45203TG1998PLC029154



PURCHASE ORDER

TO	PO No.	BSCPL/MSRDC/HO/230	14-10-2020
MS Agarwal Foundries Pvt Ltd Roma Towers,5-4-83,TSK Chamber Opp,Ranigunj Bus Depot, MG road, Secunderabad - 500003 GST:36AAIC54832K1Z0 Email: haribabu.thermex@msagarwal.com Kind Attn: Mr.Hari Babu Mob-9392891849	Sub:	Supply of AF Star Make TMT Bars Fe.500 grade for Nagpur - Mumbai Communication Expressway	
	Ref:	1. Quotation dt 13-10-2020 & further discussions 2. Indent No.Mar/107/2019-20 Dt.10-09-20	
	Our GST:	27AAACB8316K1ZL	

With reference to the above, we are pleased to place our purchase order on you for supply of AF Star Make TMT Bars Fe.500 grade as per the price, description and terms and conditions given below

S.No	Item Description	Unit	Quantity	U.Price (Rs)	Total Value (Rs)	Remarks
Supply of AF STAR make TMT Bars as per IS 1786-2008						
1	8mm TMT Bars - straight length	Mt	50.00	37,000.00	18,50,000.00	
2	10mm TMT Bars - straight length	Mt	175.00	36,000.00	63,00,000.00	
3	12mm TMT Bars - straight length	Mt	200.00	36,000.00	72,00,000.00	
4	16mm TMT Bars - straight length	Mt	390.00	36,000.00	1,40,40,000.00	
5	20mm TMT Bars - straight length	Mt	175.00	36,000.00	63,00,000.00	
6	25mm TMT Bars - straight length	Mt	250.00	36,000.00	90,00,000.00	
7	32mm TMT Bars - straight length	Mt	180.00	37,000.00	66,60,000.00	
	SUB TOTAL:				5,13,50,000.00	
	GST @18%				92,43,000.00	
	TOTAL ORDER VALUE:		1,420.00		6,05,93,000.00	

Rupees Six Crore Five Lakh Ninety Three Thousand Only.

COMMERCIAL TERMS & CONDITIONS

The rates indicated above are firm during contractual delivery period and not subject to any escalation what so ever. However BSCPL reserves the right to amend the order in the event of any changes in rates, quantities and delivery schedules and other terms & conditions, with mutual consent.

S.No.	TERMS & CONDITIONS	S.No.	TERMS & CONDITIONS
1	PRICE BASIS is C&F Site, Nashik, Maharashtra	7	PAYMENT TERMS are through 90 days USANCE LC, in which 30 days are interest free & balance 60 days interest will be paid directly @ 9.5% p.a. Your bank charges are to your account and our bank charges are to our account.
2	DELIVERY: You shall dispatch the total quantity as per the schedules given by project site team		
3	GST is extra @18%, which is included in above order value, TCS will be charged as applicable		
4	QUANTITY VARIATION of +or-.5% is applicable for this PO	8	WEIGHT TOLERANCE is + or - 0.5% of each truck quantity
5	PRICE VALIDITY is till completion of total order quantity.	9	TRANSIT INSURANCE is in our Scope
6	FREIGHT charges are included in the above unit rates	10	TEST CERTIFICATES to be furnished along with material.

11 **GUARANTEE:** You shall guarantee that the material meets all specifications, IS standards and pass through the strength test. In case if we found any deficiency in quality, the total lot will be rejected and you shall replace with good quality material free of cost.

12	BILLING & DELIVERY ADDRESS: Your Invoices should be raised on the below address & contain above GST No
	BSCPL Infrastructure Ltd Gat No.540, Shivade, Sonambe Road, Sinnar, Nashik, Maharashtra-422502 Mr.P.V.Ramana, Manager-Material (Mob: 08309022503) Mr.Narendra,Accounts Manager-Accounts(Mob: 93569 30789)

13 All other general commercial terms and conditions of order shall be as per Indian Contract Act and Sale of Goods act and as per all Indian Government and State Govt. Laws, including Indian Arbitration and reconciliation Act; to the extent applicable to this Purchase Order. Jurisdiction shall be under courts situated at Hyderabad. General conditions of purchase & services are attached herewith which forms an integrated part of this order.

For BSCPL Infrastructure Limited

Satyanarayana J
General Manager-Procurement

PURCHASE ORDER

ई-मेल / E-mail : epilhyd@yahoo.co.in
 वेबसाइट / Website : www.epi.gov.in

टेलीफोन / Telefax : 23544461, 23544463
 23544466, 23544473

इंजीनियरिंग प्रोजेक्ट्स (इंडिया) लि.
 (भारत सरकार का उद्यम)



ENGINEERING PROJECTS (INDIA) LTD.
 (A Government of India Enterprise)

Plot No.50, 1st Floor,
 Kamalapur Colony, Phase -3,
 Opp. Hinan Bank of India
 HYDERABAD - 500 073.

PURCHASE ORDER

Buyer:-	Supplier:-
Engineering Projects (India) Ltd Plot No. 50, 1 st Floor Pahse-III, Kamalapur Colony Hyderabad – 500 073 Order No.: PCO/PMD/695/02/ Date of issue: 20.09.2013	M/s. MS Agarwal Foundries (P) Ltd. 1 st Floor, TSC Chambers Ranigani, SECUNDERABAD Phone Nos. Mobile No. 9392891949

Sub: Supply of Reinforcement Steel for Construction of 170 HIG and 167 MIG II houses including amenities under SFS at Devarakonda Road, Ph II. Nalgonda

Ref: Your Offer No Nil dated 16.09.2013

REFERENCE

EPI

M/s. MS Agarwal Foundries (P) Ltd

With reference to the above Engineering Projects (I) Ltd. is pleased to place an order on you for supply of reinforcement steel for Construction of 170 HIG and 167 MIG II houses including amenities under SFS at Devarakonda Road. Ph II. Nalgonda at a total order value of ₹ 14.84,195/- (Rupees Fourteen Lakhs Eighty Four Thousand One Hundred Ninety Five only). The Detailed price break up. scope of supply and terms & conditions shall be as per Annexure – I enclosed herewith.

For future correspondence and execution of this order, please contact Shri B. Lalith Kumar, Manager (Tech), Engineering Projects (India) Ltd. Nalgonda Mobile No. **9949997085**.

This order is issued in duplicate. You are requested to return the duplicate copy of this order duly signed & stamped on each page as a taken of your acceptance in totality within two (2) days on receipt of this

For and on behalf of

Acknowledgement of the purchase

Engineering Projects (India) Ltd

order by the supplier shall constitute


 (G-S Prasad)
 General Manager

firm acceptance of order in its entirety

Accepted by
 Signature
 Date & Stamp

Encl.1: Detailed price break-up, Scope of supply and Terms and conditions as per Annexure-I

PURCHASE ORDER



ಕರ್ನಾಟಕ ಸರ್ಕಾರ
(ಗ್ರಾಮೀಣಾಭಿವೃದ್ಧಿ ಮತ್ತು ಪಂಚಾಯತ್ ರಾಜ್ ಇಲಾಖೆ)
ಕರ್ನಾಟಕ ಗ್ರಾಮೀಣ ಮೂಲಸೌಕರ್ಯ ಅಭಿವೃದ್ಧಿ ನಿಯಮಿತ
ಗ್ರಾಮೀಣಾಭಿವೃದ್ಧಿ ಭವನ, 4ನೇ ಮತ್ತು 5ನೇ ಮಹಡಿ, ಆನಂದರಾವ್ ವೃತ್ತ, ಬೆಂಗಳೂರು-560009
ದೂರವಾಣಿ ಸಂ : ಆಡಳಿತ : 080-28015635/36/46 ಕಾರ್ಯಾಚಾರಿ : 080-28015640/41 ಲೆಕ್ಕಪತ್ರ : 080-28015634/37
ಫ್ಯಾಕ್ಸ್ : 080-22879901, 28015644/45/34 ಇ-ಮೇಲ್ : md@kridl.net ವೆಬ್ ಸೈಟ್ : www.kridl.org

No: KRIDL/WKS/STL/TND/2019-20

Date: 24/06/2019

To:

M/s MS Agarwal Foundries Pvt Ltd.,
Rama Tower, 5-4-83,
TSK Chambers,
Opp. Ranigaung Bus Depot,
M G Road, Secundrabad -500003.

LETTER OF ACCEPTANCE

Sir,

SUB: Tender for Supply of TMT Steel Bars to KRIDL Project SOUTH part
Reg.

REF: 1) NO: KRIDL/WKS/STL/TND/2019-20 DT: 24/04/2019.
2) No: KRIDL/2019-20/IND-195 South
3) Tender Scrutiny Committee Meeting DT: 17/06/2019.
4) Your Letter No: Dt:11/06/2019.

Adverting to the above cited subject and reference, approval is communicated to the lowest rate and amount quoted/revise 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/Size	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 195 South Part Bangalore, BBMP, Mysore and Central Zone	M/s. MS Agrawal Foundries Pvt Ltd, 8 mm dia to 25mm dia MT	2200	49500.00	108900000.00	108900000.00 (Ten Core Eighty Nine Lakhs Only)
		2200			

List of Lowest/revise rates for supply of TMT steel bars IS 1786 Fe 500 is inclusive of all taxes, transportation, loading & unloading FOR Destination to various KRIDL projects is enclosed.

Please enter in to the 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. 54,45,000.00** the instrument In any one of the form stipulated in the tender. (5% of value of approved amount).

The supply order/indent will be placed by respective executive Engineer KRIDL project indicating quantity as per Project requirement Test certificate shall be submitted along with each consignment.

Encl: Rate List

Your faithfully,


Managing Director
KRIDL, Bangalore.

PURCHASE ORDER

Megha Engineering & Infrastructures Ltd.

An ISO 9001-2008 Company

S-2, Technocrat Indl. Estate, Balanagar, Hyderabad-500037, Telangana, INDIA
 Tel: +91-40-44336700 Fax: +91-40-44336800
 E-mail: info@meil.in Visit us: www.meil.in U45202TG2006PLC050271

PURCHASE ORDER

PO No: MEIL/13628/Nagpur - Mumbai Express way Pkg-09/3134/20-21

Dt: 23.10.20

To

MS AGARWAL FOUNDRIES PVT LTD
 Rama Tower, 5-4-83, TSK Chambers, Opp Ranigunj Bus
 Depot, M G Road, Secudnerabad - 500003

Incl No : 62009260040

Date : 23.10.2020

Dear Sir,

Sub: Purchase Order for the supply of TMT Steel - Reg.

Ref: Quotation and Telecon

With reference to the above, we are pleased to issue a Purchase Order for supply of TMT Steel with the following terms & conditions

S.No	Description	HSN Code	Qty (Apprx)	Unit Rate	GST %	Total Amount
1	TMT STEEL - 12.0 MM -FE500D	72142090	250 MT	36,250.00	18.00	10,693,750.00
2	TMT STEEL - 16.0 MM -FE500D	72142090	250 MT	36,250.00	18.00	10,693,750.00
3	TMT STEEL - 20.0 MM -FE500D	72142090	300 MT	36,250.00	18.00	12,832,500.00
4	TMT STEEL - 25.0 MM -FE500D	72142090	300 MT	36,250.00	18.00	12,832,500.00
5	TMT STEEL - 32.0 MM -FE500D	72142090	50 MT	37,250.00	18.00	2,197,750.00
Total Amount						49,250,250.00

Rupees. Four Crore Ninety Two Lakh Fifty Thousand Two Hundred Fifty Only

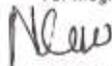
Terms and Conditions

1	PRICE	The above unit rate is inclusive of transportation and Exclusive of GST @18% & TCS@0.075%. However GST is included in total amount. Computerized Weighing Slip is Compulsory
2	BILL TO	M/s. Megha Engineering & Infrastructures Ltd, DHEERAJ ENCLAVE, BORIVALL, MAHARASHTRA
3	SHIP TO	M/s. Megha Engineering & Infrastructures Ltd, Gate No-42, Bhikapur, Aurangabad taluka, Aurangabad district, Maharashtra. 431008 Contact-Mr. Satyendra Singh-8299807477/Nageswara rao - 9949391002.
4	DELIVERY	Immediate
5	Goods and Services Tax	GST@ 18% Included in total amount MH GST No: 27AAECM7627A1ZN
6	PAYMENT TERMS	Against LC with 60 days IFC
7	INSPECTION	The material should be in accordance with the description and specification of this PO; otherwise the same will be rejected and sent to you. The materials shall be delivered with test-Certificates.
8	ORDER ACCEPTANCE	Please confirm the acceptance of this order, failing which it will be deemed that you have accepted this PO
9	Other Conditions	1). Quantity Tolerance: +/- 5% against PO Quantity shall be allowed. 2).Weightment: weightment at our weighbridge is final. +/- 0.5% tolerance will be allowed.
10	JURISDICTION	Any dispute arising out of this Purchase order shall be subjected to Hyderabad Jurisdiction.

Thanking you,

Yours faithfully,

For Megha Engineering & Infrastructures Limited



N.V. Rao
 Vice President - Procurement

MEIL/PUR/F-004B Rev 1 Dtd 28.05.14

PURCHASE ORDER



Bharat Heavy Electricals Limited
High Pressure Boiler Plant
Tiruverumbur, Tiruchirappalli – 620 014
Phone : 0431 – 2575215
E-mail : sak@bhel.in
BHEL CIN : L74899DL1964GOI004281

AN
ISO 9001
COMPANY

M/s. **MS AGARWAL FOUNDRIES PVT LTD.**
SECUNDERRAAD

Date: 10/11/2020

Dear Sir,

Sub : Rate Contract for the supply of TMT to Specn. IS 1786 for III Qtr 2020 - 21

Ref : 1. Enq No.1102000104 dt 23.10.2020

2. Techno Commercial MOU & Amendment for GST
(Ref: MOU / MM / STEEL / 15937 / STRUCTURALS & TMT 2020 - 21 dt 14.03.2020 & MOU / MM / STEEL / 15937 / STRUCTURAL & TMT dt 07.03.2014 Amd :01 dt 03.07.2017)

3. Your offer ref.: MSAF/Q03/20 dt 29-10-2020.

We are pleased to enter into rate contract with your Mill M/s MS Agarwal Foundries PVT Ltd, Secunderabad finalized vide enquiry no. 1102000104 dt 23.10.2020 and your offer ref.: MSAF/Q03/20 dt 29-10-2020 for the supply of following TMT item which covers the requirement of all BHEL units and Regions for III Qtr 2020 - 21 The same is valid for ordering till **31.12.2020** and supplies thereon. The size details and quantity covered in this rate contract and the terms & conditions of the contract are as detailed below.

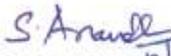
I. Size and Quantity:

Enq Sl. No	Item /Quality Extras	Dimension	Requirements	III Qtr. 2020 – 21 Rates Rs./MT		
		Length (mm)	Total Qty (MT)	Basic Price	Freight	FOR
45	TMT DIA 8-10 mm IS 1786 Fe500/500D	10-12 Mtr	2710	36200	4000	40200
46	TMT DIA 8-10 mm IS 1786 Fe500/500D (Corrosion resistant Grade suitable for Marine construction with micro alloying combination Cr+Cu>0.4%)	10-12 Mtr	1240	38200	4000	42200
47	TMT DIA 12-20 mm IS 1786 Fe500/500D	10-12 Mtr	4360	35700	4000	39700
48	TMT DIA 12-20 mm IS 1786 Fe500/500D (Corrosion resistant Grade suitable for Marine construction with micro alloying combination Cr+Cu>0.4%)	10-12 Mtr	4920	37700	4000	41700
M S AGARWAL Total (4 ITEMS)			13230			

PURCHASE ORDER

II. Commercial Terms and conditions of the rate contract:

1. The Rate contract entered into with you will be governed by the conditions as accepted by you against our Enquiry No: 1102000104 dt 23.10.2020 and techno commercial MOU Ref: Ref: MOU / MM / STEEL / 15937 / STRUCTURALS & TMT 2020 - 21 dt 14.03.2020 & vide your offer Ref: MSAF/Q03/20 dt 29-10-2020.
2. **Size & Quantity:** Various BHEL Units and Regions shall release individual P.O indicating the Sizes and Quantity with the rates indicated above. The above Quantity indicated is only tentative and may vary depending on units and regions actual requirement. The cumulative of either item/region wise ordering quantities may vary in accordance with our actual requirements. This depends upon firming up of our Projects and receipt of new orders, clearances on project & erection fronts etc. The indicated quantity item/region wise shall not be taken as final/firm and shall not bind contractually while during supplies.
3. **Validity:** The Rate Contract will have validity for ordering up to **31.12.2020** and supplies thereon.
4. **Payment term:** 120 days Usance LC reckoned from the date of submission of documents at Beneficiary bank. Opening charges and retirement charges to BHEL account. Negotiation period will be 14 days.
5. On receipt of Purchase Order, P.O. Acceptance with delivery schedule shall be obtained from your Mill and the same shall be forwarded to concerned units and regions within one week from date of P.O.
6. Commercial terms and conditions as per techno commercial MOU including GST terms.
7. Under GST regime, BHEL has to discharge GST liability on LD recovered from suppliers/contractors. Hence applicable GST shall also be recoverable from suppliers/contractors on LD amount. For this Debit note will be issued by BHEL indicating the respective supply invoice number. TDS as per GST act will be applicable


10/11/2020
एस. आर. अणुमल / MS AGARWAL & Steel
वरिष्ठ उप महाप्रबंधक
Sr. Deputy General Manager
सामग्री प्रबंधन / आरएम
Materials Management / RM
बीएचएल, दिल्ली / BHEL, Delhi - 820 014

Note: This contract is sent in duplicate. Kindly acknowledge the same by returning the above document with competent authority's signature and seal.

PURCHASE ORDER

Purchase Order		Page 1 / 4
<p>Name: Siemens Gamesa Renewable Power Pvt Ltd Address: No. 304, Block B, 8th Floor, The Future Tech Park, Rajiv Gandhi Road Sholinganallur - 000119 CHENNAI Tamil Nadu India Telephone: Fax: GSTIN: 338ACCG8027CTZB</p>		<p>Purchase Order: 41556504 Print date: 06.02.2019 Purchasing Date: 06.02.2019 Purchasing Mgmt. Contact: Purchasing Admin. Contact: Telephone: Simpe: +0004 003 734.840 USA: +001 215.710.3100 Chine: +0088 18 88 20 10.323 Brasil: +53.31.3088.4444 India: +0081.044.30035088 Internal Reference: RPANNEEREELV</p>
<p>VENDOR DATA Vendor code: 230882 GSTIN: 39AAICS4832K120 Name: MS Agarwal Foundries Pvt Ltd Address: C/o: Ranigunj Bus Depot, MG Road, 900000 Secunderabad India Telephone: +91 - (0)40 - 2048 8000 Fax: +91 - 40 - 2734 3804 Contact person: Contact telephons:</p>		<p>Curr./conv.: / 1,00000 Payment terms: Net 90 days Confirming Payment address: MS Agarwal Foundries Pvt Ltd C/o: Ranigunj Bus Depot, MG Road, 900000 Secunderabad India Incoterms: DAP Delivered at place</p>
<p>INVOICE ADDRESS Name: Siemens Gamesa Renewable Power Pvt Ltd Address: No7 Pashamsalur Village Maduranthagan Tulum - 800111 Kershapuram District Tamil Nadu India Telephone: Fax:</p>		<p>DELIVERY ADDRESS Name: Siemens Gamesa Renewable Power Pvt Ltd Palayan Address: - India Telephone: Fax:</p>

Pos	Reference	Version	Description				HSNSAC	Contract (Purchase Order)
Position type	Deliv. date	Quantity	UM	Un net Pr	Tot net Prc			
Text Detail				%	Text			
10			GP923310 R0 40 SBC - 20mm FE500 Grade Cut & Bend steel rebars at Palayan WF -Per locatione - 10,43 T) - 2 Set					
	28.02.2019	20.58	TON	42,000.00 TON	8,96,800.00			
	JIG IN: IGST			18.00%	1,44,065.00			
20			GP923210 R0 40 SBC - 20mm FE500 Grade Cut & Bend steel rebars at Palayan WF -Per locatione - 15,3 T) - 2 Set					
	28.02.2019	30,00	TON	42,000.00 TON	6,08,800.00			
	JIG IN: IGST			18.00%	3,69,966.00			
30			GP923310 R0 40 SBC - 20mm FE500 Grade Cut & Bend steel rebars at Palayan WF -Per locatione - 15,7 T) - 2 Set					
	28.02.2019	15.40	TON	42,000.00 TON	6,78,500.00			
	JIG IN: IGST			18.00%	0,22,067.00			

Corporate Address: Siemens Gamesa Renewable Power Pvt Ltd # 334, 8th Floor, Block B, The Future Tech Park, Sholinganallur, Chennai 000111

PURCHASE ORDER

Purchase Order		Page 2 / 4
 <p>Name: Siemens Gamesa Renewable Power Pvt Ltd Address: No. 334, Block B 8th Floor, The Futura Tech Park Rajiv Gandhi Road Sholinganallur - 600119 CHENNAI Tamil Nadu India Telephone: Fax: GSTIN: 33AACCG6027C1Z6</p>	<p>Purchase Order: 41556304 Print date: 06.02.2019 Purchasing Date: 06.02.2019 Purchasing Mgmt. Contact: Purchasing Admin. Contact: Telephone: Europe: +0034.902.734.949 USA: +001.215.710.3100 China: +0086.13.65.20.16.523 Brasil: +55.11.3096.4444 India: +0091.044.30989898 Internal Reference: RPANNEERSELV</p>	

Purchase Order							
Pos	Reference	Version	Description			HSN/SAC	Contract (Purchase Order)
	Position type	Deliv. date	Quantity	UM	Un net Pr	Tot net Prc	
	Tax Detail				%	Tax	
40			GP329310-R0 40 SBC - 16mm-FE500 Grade Cut & Bend steel rebars at Palayam WF -Per locations - 5.18 T) - 2 Set				
		28.02.2019	10,36	TON	42,000.00/TON	4,35,120.00	
	JiIG IN: IGST				18.00%	78,321.60	
50			GP329310-R0 40 SBC - 12mm-FE500 Grade Cut & Bend steel rebars at Palayam WF -Per locations - 1.03 T) - 2 Set				
		28.02.2019	2,06	TON	42,000.00/TON	86,520.00	
	JiIG IN: IGST				18.00%	15,573.60	
60			GP329310-R0 40 SBC - 10mm-FE500 Grade Cut & Bend steel rebars at Palayam WF -Per locations - .21 T) - 2 Set				
		28.02.2019	0,42	TON	42,000.00/TON	17,640.00	
	JiIG IN: IGST				18.00%	3,175.20	
70			Freight Charges for GP329310-R0 40 SBC Cut & Bend steel rebars at Palayam WF -Per locations - 50.54 T) - 2 Set				
		28.02.2019	101,08	TON	3,400.00/TON	3,43,672.00	
	JiIG IN: IGST				18.00%	61,660.96	
						Basic total: 46,09,052.00	
						JiIG IN: IGST: 8,29,629.36	
						Taxes/others total: 8,29,629.36	
						Grand total order: 54,38,681.36	
Total value in words: FIFTY FOUR LAKH THIRTY EIGHT THOUSAND SIX HUNDRED EIGHTY ONE AND THIRTY SIX PAISE ONLY							

Corporate Address: Siemens Gamesa Renewable Power Pvt Ltd, # 334, 8th Floor, Block-B, The Futura Tech Park, Sholinganallur, Chennai, 600119

PURCHASE ORDER



Purchase order
4505347007

MS Agarwal Foundries Pvt Ltd
2-1-113 Tobasco Baanr, Mahakali St
500002 HYDERABAD
REPUBLIC OF INDIA
GSTIN: SEAAIC5ABS3KTZO
Fax: 914027543804

Date 10/04/2019
Buyer Poomma Askan
Phone
Fax
Email potkn@vestas.com
Vendor no. 579982
Your reference
Our reference
G97 Class. Registered
Payment terms Within 10 days, due net
Currency INR
Incoterms DDP Vestas Location
Page 1 of 4

Billing address
Vestas Wind Technology India Pvt Ltd
Shree Nagar
296 Old Mahabaleswaram Road
05119 CHENNAI
REPUBLIC OF INDIA
GSTIN: S3AAACA857471ZT

Delivery address
To be informed
839712
REPUBLIC OF INDIA

Invoices must be sent electronically to: ASPincoies@vestas.com

Item	Material/Description	HSM Code	Quantity	Unit	Unit price	Amount
10	Supply of Steel - 10mm Delivery date: 15 Apr 2019	72149990	21,555	TON	45,000.00	971,525.00
20	Supply of Steel - 20mm Delivery date: 15 Apr 2019	72148690	48,855	TON	45,000.00	2,392,575.00
30	Supply of Steel - 20mm Delivery date: 15 Apr 2019	72148690	51,100	TON	45,000.00	2,363,100.00
40	Supply of Steel - 22mm Delivery date: 15 Apr 2019	72148890	18,850	TON	46,100.00	873,555.00
Net value						6,380,568.00
IN: Integrated GST			18.000 %			1,100,007.10

Vestas Wind Technology India Pvt Ltd
(Wholly owned subsidiary of Vestas Group, Denmark)
296 Old Mahabaleswaram Road, Shree Nagar, Chennai 500 119
Tel: +91 44 24405901 - Tel: +91 44 24539101 - Email: vestas.india@vestas.com - Web: vestas.com
GST No. 36AAACA8271F1ZT

PURCHASE ORDER

APHMEL
(An ISO 9001 : 2015 Company)
Subsidiary of The Singareni Collieries Company Limited (A Government Company)

ANDHRA PRADESH HEAVY MACHINERY AND ENGINEERING LTD. Kondapalli 521 228
NRI-CC
NRI-CC

PO NO : **4543** ENQ NO : 6223 Quotation No : NILL Negotiation No : APHME/PUR/ENQ-6223
 PO DATE : **03-Dec-20** ENQ DATE : 23-Nov-20 Quotation Dt : 27-Nov-20 Negotiation Dt : 02-Dec-20

SL NO	ITEM CODE	ITEM DESCRIPTION	UNIT	QTY.	UNIT PRICE Rs. Ps.	DISCOUNT Rs. Ps.	UNIT PRICE AFTER DISCOUNT Rs. Ps.	TOTAL PRICE AFTER DISCOUNT Rs. Ps.
1	0213477916	DIA 20 MM TMT REBAR, Fe 500 IS:1786-2008,Chemical Composition: a)Carbon(c):0.25%(Max),b)Sulfur(s):0.05%(M ax),c)Phosphorous(p):0.05%(Max),d) Manganese:1.50%(Max),other alloys micro alloying elements:0.50(Max).The yield strength,Tensile strength and % elongation shall be maintained as per the IS:1786 and IS:13920.However the minimum load bearing capacity(Anchorage load) of the roof bolt shall be 160KN. x12MTRS LG	TON	230.000	40600.00	300.00	40300.00	9269000.00
		TOTAL COST						9269000.00

Total cost of the PO IS Rs. 9269000.00(Rs. Ninty Two Lakhs Sixty Nine Thousand Only).

Manager Purchase

PURCHASE ORDER



PURCHASE ORDER

To, M/s. MS Agarwal Foundries Private Limited RAMA TOWERS', 5-4-83, TSK Chambers, Opp. Ranigunj Bus Depot, M. G. Road, Secunderabad, Telangana 500003 Contact Number: Mr. Hari Babu T 9392891849 GST No: 36AAIC64832K1Z0		Purchase Order No. : SNC/P-0021/20-21/5366 Date : 01-10-2020 Indent No. : IDN-27576 Indent Date : 24-09-2020										
We are pleased to place our order for the undermentioned items												
Our Ref : Enquiry mail dated : 28-09-2020		Your Ref : Quotation mail dated : 29-09-2020										
Sl. No.	Description	UOM	Qty	Rate/Qty (Rs)	Amount (Rs)							
1	TMT Steel 08mm Fe500	MT	5.00	42598.00	212990							
2	TMT Steel 10mm Fe500	MT	110.00	42008.00	4620880							
3	TMT Steel 12mm Fe500	MT	34.00	42008.00	1428272							
4	TMT Steel 16mm Fe500	MT	70.00	42008.00	2940560							
5	TMT Steel 20mm Fe500	MT	830.00	42008.00	34866640							
6	TMT Steel 25mm Fe500	MT	250.00	42008.00	10502000							
7	TMT Steel 32mm Fe500	MT	730.00	42598.00	31096540							
Delivery Schedule: As per site requirement before 30-Oct-2020				Total	85667882							
Dispatch Advise: Shankaranarayana Constructions (P) Ltd Yetinhole Project Package 18 , Bhadrapura, Aralaguppa Post and Village, Tiptur Tumkur District, Karnataka - 572201. Contact Person : Mr. Shashidhar, Contact No. : 9019669406		<table border="1"> <thead> <tr> <th>Description</th> <th>%</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Transportation Included</td> <td>0.00</td> <td>0</td> </tr> <tr> <td>GST @ 18% Included</td> <td>0.00</td> <td>0</td> </tr> </tbody> </table>		Description	%	Amount	Transportation Included	0.00	0	GST @ 18% Included	0.00	0
Description	%	Amount										
Transportation Included	0.00	0										
GST @ 18% Included	0.00	0										
Payment Terms: 30 Days Credit		Grand Total		85667882								
Other Terms: Make: AF Star Fe500D (Physical & Chemical Pass), Material should be accompanied with Test Certificate; Material should confirm to IS Standards. Weight: Tolerance of 5Kg+/- per MT is permissible, anything supplied in excess without proper approval will not be accounted. Special Note: The ordered TMT shall be 12mtr in length which is mandatory. Any deviation, the material shall be rejected & the same shall be replaced free of cost. During this process any loss of production on account of inferior / mismatch of specification like diameter / length the same shall be deducted from your bill.		For Shankaranarayana Constructions P Ltd. Authorised Signatory 										
While Despatching the Material please handover the two Copies of Challan & Invoice to the transporters for producing before Commercial Tax / Octroi Check Post enroute. Non-Compliance of this will attract Penalty, to be borne by you. Original Invoice & Challan shall be sent to site with the transporter along with the materials wherever applicable.												
GST No. : 29AAJCS7901C1ZB												
Terms and Conditions OverLeaf:												

ISO 9001:2008 COMPANY

"SNC House" 4th Floor, No. 7, Residency Road, (Old No. 9, Raja Rani Mahaa Bay Road),
 Bengaluru - 560 025, INDIA. Phone :+91 (888) 22109541 / 42 / 43 / 44
 Fax : +91(888) 22109545 Email: sncbpr@sncindia.com Website : www.sncindia.com
 CIN No. : U46401K2806PTC038820

PURCHASE ORDER

Dr.K.Vijayakarthiskeyan,I.A.S.,
District Collector / Chairman.

District Rural Development Agency,
Tiruppur.

Letter Of Acceptance

Lr.No. 3729/2019/A12

Dated : 05.01.2020

SUB : **Tender – Material Management – Tiruppur District – District Rural Development Agency, Tiruppur – Supply of Steels rods to all Panchayat Union of Tiruppur District – Tender called on 28.08.19– Lowest rate Quoted – Negotiation Accepted – LOA issued – Reg.**

REF : 1) Tender Dated : 28.08.2019
2) Negotiation Date : 24.01.2020

ORDER :

This is to notify that the Employer, namely Dr.K.Vijayakarthiskeyan,IAS.,District Collector / Chairman, District Rural Development Agency, Tiruppur has accepted your Negotiation rate for supply of Steels rods to Panchayat Unions of Tiruppur District for the year 2019-2020.

Name of the Firm	Supply of items	Quoted Rate per M.T	Negotiation Rate per M.T	No of Quantity	Total approximate Contract Value
MS Agarwal Foundaries Private Limited	Steels rods	Rs.55,550/-	Rs.53,450/-	2207 M.T.	Rs.11,79,64,150/-

You are hereby requested to furnish security deposit in the shape of small scripts, Post office savings A/C or NSC duly pledged in favour of the **The Project Director, DRDA, Tiruppur**, for an amount equivalent to 5% of the contract value of Amount **Rs.58,98,300/-** (Rupees Fifty Eight Lakh,Ninety Eight Thousand,Three hundred Only)(which includes EMD) within 7 days from the receipt of letter of Acceptance. If the successful Bidder fails to execute the contract (ie, sign the agreement) within the aforesaid 7 days time. The EMD amount remitted with Technical Bid will be forfeited.


 District Collector / Chairman,
 District Rural Development Agency,
 Tiruppur.

To
MS Agarwal Foundaries Private Limited.
Submitted to
Director of Rural Development and Panchayat Raj,Chennai – 15
Copy to
EE(RD), DRDA, Tiruppur.


 Director

TEST REPORT



VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE (AUTONOMOUS)

KANURU, VIJAYAWADA - 520 007

(Sponsors : Siddhartha Academy of General & Technical Education)
Affiliated to Jawaharlal Nehru Technological University, Kakinada
Approved by AICTE, Accredited by NAAC with 'A+' grade
An ISO 9001 : 2008 Certified Institution

Phone : 0866-2582333
2582334
2574930
2584204
Fax : 2582672

e-mail : hodce@vrsiddhartha.ac.in

DEPARTMENT OF CIVIL ENGINEERING

Website : www.vrsiddhartha.ac.in

Ref. No. VRSEC/CE280721/1		Date: 04.08.2021			
To, M/s. MS Agarwal Foundries Pvt Ltd., 2 nd Floor, Rama Towers, 5-4-83, TSK Chambers, Opp. Ranigunj Bus Depot, M.G. Road, Secunderabad -500003					
TEST REPORT ON REINFORCING STEEL					
Source of the samples			Samples supplied by the Client		
No. of samples tested			15 (Fifteen Only)		
Technical Reference			IS 1786 : 2008 (Reaffirmed 2018)		
TESTED FOR Fe 600 GRADE					
Sample Identification	Dia (mm)	Test Results			
		Weight (Kg/m)	0.2% Proof / Yield Stress N/mm ²	U.T.S. (N/mm ²)	Elongation (%)
M.S LIFE TMT - Rib Bar	8	0.378	636.94	696.66	19.3
M.S LIFE TMT - Rib Bar	8	0.384	656.85	696.66	18.3
M.S LIFE TMT - Rib Bar	8	0.384	656.85	716.56	17.9
M.S LIFE TMT - Rib Bar	10	0.602	649.68	713.38	18.3
M.S LIFE TMT - Rib Bar	10	0.613	636.94	700.64	18.0
M.S LIFE TMT - Rib Bar	10	0.613	662.42	713.38	19.9
M.S LIFE TMT - Rib Bar	12	0.869	636.94	725.41	17.5
M.S LIFE TMT - Rib Bar	12	0.892	645.79	734.25	19.3
M.S LIFE TMT - Rib Bar	12	0.920	645.79	734.25	18.5
M.S LIFE TMT - Rib Bar	16	1.586	671.78	736.46	19.3
M.S LIFE TMT - Rib Bar	16	1.605	661.82	746.42	17.5
M.S LIFE TMT - Rib Bar	16	1.515	661.82	746.42	18.7
M.S LIFE TMT - Rib Bar	25	3.970	648.15	735.80	17.3
M.S LIFE TMT - Rib Bar	25	3.971	656.31	752.10	19.2
M.S LIFE TMT - Rib Bar	25	3.966	654.27	739.87	18.3
Requirements as per IS 1786:2008 (Reaffirmed 2018)		600(min.)	660 (min.)	10.0 (min.)	
Dia (mm)	Standard	Tolerance (%)		Min. Allowable	
8	0.395	- 8		0.363	
10	0.617	- 8		0.568	
12	0.888	- 6		0.835	
16	1.580	- 6		1.485	
25	3.850	- 4		3.696	
Remarks: The above tested samples satisfies the requirements as per IS 1786:2008 (Reaffirmed 2018)					

* As furnished by the client

Note: 1. The results relate only to the items tested.

2. Report shall not be reproduced, except in full, without the written approval of the laboratory

Nipun Gorantla
ASSISTANT PROFESSOR
CIVIL ENGINEERING DEPARTMENT
V.R.SIDDHARTHA ENGINEERING COLLEGE
VIJAYAWADA-520007.

HOD, CIVIL
Professor & Head
Dept. of Civil Engineering
V.R.Siddhartha Engineering College
VIJAYAWADA-520 007

Dean/Principal
DEAN
(Student Affairs &
Civil Works Consultant)
V.R.Siddhartha Engineering
(AUTONOMOUS)
VIJAYAWADA-520 007

TEST REPORT



DEPARTMENT OF OCEAN ENGINEERING
Indian Institute of Technology Madras
Chennai 600 036, India

Dr. R. Sundaravadivelu FNAE
Professor

No. IC/18-19/OEC/022/TNEB/RSUN/Ltr: 422

By Post / Fax

To
The Chief Engineer / Projects – II,
TANGEDCO,
1st Floor, New EB Quarters,
144, Anna Salai,
Chennai - 600002.

03.08.2020

Dear Sir,

Sub: IITM – Consultancy service for Udangudi Projects – Establishment of Captive Coal Jetty with Unloading Facilities and Pipe Conveyor System for 2x660MW Udangudi Super Critical Thermal Power Project - Vendor approval for HCRM Fe 500D TMT Reinforcement Steel in favour of MS Agarwal Foundries Pvt.Ltd - Reg

- Ref:** i) CE/PROJ-II/SE/ C/UP/EE/M/F-Coal jetty/ D. 185/2018, dt.24.05.2018
ii) TNEB Work Order No.SE/C/UP/EE/M/AEE/M/F-Coal Jetty PMC/d.62/2019, dated 27.02.2019.
iii) 00728/ITDCem/TANGEDCO/45418DM/2020 email dated 22.05.2020

In continuation to your letter cited (iii) we have scrutinized the vendor credentials as per tender requirement cited at Volume - III, Section -5, and Clause. (2.10) of technical specification for concrete & allied works. HCRM Fe500D TMT Reinforcement steel of MS. Agarwal Foundries Pvt.ltd (AF Star Fe500D Steel). As this brand is already been approved in TANGEDCO Udangudi power plant projects under construction of M/s.BHEL, it can be further approved.

Thanking you
Yours sincerely



(R. Sundaravadivelu)

TEST REPORT



STEDRANT TECHNOCLINIC PVT. LTD. (Construction Materials Testing Laboratory)

Lab: # 38/6, Gevaddan Gardens, J.C. Hebbal/Vial Ave, Yelechannakallu off, Konakoppes Main Road,
Bangalore - 560052. Ph: 98 2980064 E-mail: lab@stedrantechno.com Ctn: U74599KAS5TTPTC103477
GST No: 58AAATE5211TEQ www.stedrantechno.com



CERTIFICATE No. 12 688

Doc: STPL/STP/0013/00013

Page 1 of 1

Ref: STPL/JO013/00013/2020-21/AS/1b
Job Order Date: 01.16.2020

Date: 03.10.2020
ULR-TC69920004777F

M/s Ransky Infrastructure Ltd.
RCMCL Project, Vesivahmangara (cl),
Hendall Road, Asnal - 362 186.

CHEMICAL TEST REPORT ON REINFORCING STEEL

Source of sample	:	Sample supplied by the customer
Date of receipt of the test sample	:	30.09.2020
Customer's Reference	:	Letter dated: 30.09.2020
No. of sample tested	:	6 (six)
Date of test	:	01.10.2020
Project	:	RCMCL Project
Grade	:	Fy 300 D
Manufacturer #	:	M S Agrawal
Condition of samples	:	Satisfactory
Test Method	:	IS: 9811 - 1998 (Reaffirmed 2018)

Sl No	Nominal Dia# (mm)	Carbon (%)	Phosphorus (%)	Sulphur (%)	Sulphur + Phosphorus (%)
1	8	0.151	0.014	0.031	0.033
2	10	0.190	0.015	0.037	0.042
3	16	0.143	0.015	0.034	0.042
4	16	0.152	0.020	0.034	0.054
5	20	0.171	0.016	0.014	0.030
6	20	0.141	0.014	0.010	0.034

Requirements as per IS: 1786-2008 (Reaffirmed 2018) (% Mas) with tolerance				
Grade	Fe-500	Fe-590	Fe-500D	Fe-590 D
Carbon (C)	0.330	0.330	0.770	0.770
Phosphorus (P)	0.030	0.030	0.043	0.043
Sulphur (S)	0.030	0.030	0.043	0.043
S + P	0.115	0.110	0.083	0.043

As furnished by the customer.

Remarks: The tested sample conforms to IS: 1786-2008 requirements for Fe 500 D Grade with respect to chemical tests conducted.

- Note:**
- The results relate only to the samples tested.
 - Report shall not be reproduced, except in full, without the written approval of the lab.
 - Any correction invalidates this report.
 - Conformity Statement provided herein is based on internal document No: STPL/OP/03/3

for STEDRANT TECHNOCLINIC PVT. LTD.

Dr. R. Nagendra
 Senior Director

End of report

(Soil and Material Testing, Design, Restoration and Non Destructive Testing Services)

Corporate Office :
"Sunvak Pude" # 95, Model House Street,
Basavanagud, Bangalore - 560 004.
Ph : 080 26629992

Hyderabad Off / Lab :
Shed No. F-3/A, Street No. 10, IDA,
Nochuram, Hyderabad - 580076,
Mob :+91 9000085790, 9000095750

Vijayanagara Off / Lab :
Plot No.-151, APIC, 4tho Nagar,
Mangalagol, Guntur District, AP- 522 503.
Ph : 7411928789 / 9958940190.

TEST REPORT



STEDRANT TECHNOCLINIC PVT. LTD.
 (Construction Materials Testing Laboratory)
 Lab: # 38/E, Gowdappa Sarani, J C Hebbal/Vial Area, Telephonehall off, Konalapesu Main Road,
 Bangalore - 560052. Ph: 98 2080304 E-mail: lab@stedrantech.com Ctn: U74599KASSTTPTC103477
 GST No: 38AAAYEST1E1LTD www.stedrantech.com



CERTIFICATE No. 12 688

Doc: STPL/0013/0013

Page 1 of 1

Ref: STPL/0013/0013/2020-21/AS/1b
 Job Order Date: 01.10.2020

Date: 01.10.2020
 ULR-TC699210004777F

Mis Ranky Infrastructures Ltd.
 RC/MCL Project, Venkateswara (ct),
 Hordall Road, Asoka - 562 186.

CHEMICAL TEST REPORT ON REINFORCING STEEL

Source of sample : Sample supplied by the customer
 Date of receipt of the tests sample : 30.09.2020
 Customer's Reference : Letter dated : 30.09.2020
 No. of sample tested : 6 (six)
 Date of test : 01.10.2020
 Project : RC/MCL Project
 Grade : Fe 500 D
 Manufacture # : M S Agreel
 Condition of samples : Satisfactory
 Test Method : IS: 8811 - 1999 (Reaffirmed 2018)

Sl No	Nominal Dia ^φ (mm)	Carbon (%)	Phosphorus (%)	Sulphur (%)	Sulphur + Phosphorus (%)
1	8	0.151	0.014	0.031	0.033
2	10	0.190	0.015	0.037	0.042
3	16	0.143	0.015	0.034	0.042
4	16	0.152	0.020	0.034	0.054
5	20	0.171	0.016	0.014	0.030
6	20	0.141	0.014	0.010	0.034

Requirements as per IS: 1786-2008 (Reaffirmed 2018) (% Max) with tolerance				
Grade	Fe-500	Fe-500	Fe-500D	Fe-500 D
Carbon (C)	0.330	0.330	0.270	0.270
Phosphorus (P)	0.040	0.040	0.043	0.043
Sulphur (S)	0.050	0.050	0.043	0.043
S + P	0.115	0.110	0.083	0.043

As furnished by the customer.

Remarks: The tested sample conforms to IS: 1786-2008 requirements for Fe 500 D Grade with respect to chemical tests conducted.

- Note:
- The results relate only to the samples tested.
 - Report shall not be reproduced, except in full, without the written approval of the lab.
 - Any correction invalidates this report.
 - Conformity Statement provided above is based on internal document No: STPL/OP/03/y

for STEDRANT TECHNOCLINIC PVT. LTD.

Dr. R. Nagendra
 Senior Director

End of report

(Soil and Material Testing, Design, Restoration and Non Destructive Testing Services)

Corporate Office :
 "Suvak Pude" # 95, Model House Street,
 Basavanagud, Bangalore - 560 004.
 Ph : 080 26629992

Hyderabad Off / Lab :
 Shed No. F-3/A, Street No. 10, IDA,
 Nochuram, Hyderabad - 500076,
 Mob : +91 9000085790, 9000095750

Vijayawada Off / Lab :
 Plot No.-151, APIC, Anko Nagar,
 Mangalagiri, Guntur District, AP- 522 503.
 Ph : 7411928783 / 9958940190.

TEST REPORT

MS LIFE 600+ STEEL BARS

MS AGARWAL FOUNDRIES PVT. LTD.
 Factory: Survey No. 169, P.O. Chetla Gowararam, Topran Mandal, Medak Dist, Telangana 502334, India
 ☎ +91 40 40498000, Fax +91 40 2754 3804 | info@msagarwal.com | www.msagarwal.com

IS 1786

TEST CERTIFICATE FOR HIGH STRENGTH DEFORMED STEEL BARS FOR CONCRETE REINFORCEMENT ACCORDING TO IS 1786:2008

To M/S SAMPLE TEST REPORT

DATE : 23.12.2020

This is to certify that the material described below fully conforms to IS: 1786-2008. Chemical composition & mechanical properties of the product as tested in accordance with the Scheme of Inspection & Testing contained in the BIS Certification Marks License CM/L-0006588999 are as indicated below against each order No.

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

TEST RESULT

Order No. & Date	Nominal Size in MM	Cast / Lot No	WT/MTR	Date of Testing	CHEMICAL ANALYSIS							MECHANICAL PROPERTIES							Remarks				
					C %	S %	P %	S+P %	CE %	Cr %	Cu %	Strength bending element % %	Strength Alloying element % %	Nitrogen Content % %	0.2% Proof Stress/YS N/mm ² min	0.2% Proof Stress/YS N/mm ² max	Tensile Strength N/mm ²	UTS/YS ratio		Elongation %	Total Elongation in 40mm gauge length %	Send Test*	Rebound Test*
	8	3379	0.389	12.12.20	0.20	0.030	0.052	0.062	0.30	...	...	...	...	...	576.00	613.00	707.00	1.19	20.40	7.1	OK	OK	Fe 550 D
	10	3364	0.612	27.11.20	0.20	0.035	0.055	0.070	0.30	...	...	...	...	...	572.00	611.00	704.00	1.19	19.30	7.4	OK	OK	Fe 550 D
	12	3380	0.881	13.12.20	0.21	0.031	0.054	0.065	0.30	...	...	...	...	...	572.00	613.00	699.00	1.18	18.20	7.2	OK	OK	Fe 550 D
	16	3365	1.580	28.11.20	0.20	0.032	0.033	0.065	0.29	...	...	...	...	...	571.00	602.00	686.00	1.17	19.10	7.5	OK	OK	Fe 550 D
	20	3370	2.457	03.12.20	0.20	0.030	0.034	0.064	0.30	...	...	...	...	...	583.00	615.00	725.00	1.21	18.60	7.6	OK	OK	Fe 550 D
	25	3378	3.796	06.12.20	0.19	0.033	0.052	0.065	0.29	...	...	...	...	...	583.00	601.00	709.00	1.18	17.70	7.1	OK	OK	Fe 550 D
	28	3374	4.790	07.12.20	0.22	0.031	0.053	0.064	0.30	...	...	...	...	...	586.00	698.00	699.00	1.22	16.60	7.3	OK	OK	Fe 550 D
	32	3376	6.290	09.12.20	0.22	0.033	0.031	0.064	0.30	...	...	...	...	...	571.00	602.00	686.00	1.17	19.10	7.5	OK	OK	Fe 550 D

The material supplied conforms to the standard rolling & mass tolerance

Bend & Rebound test to be carried out as per BIS standards with specified mandrel only.

Surface defects :

a) Piping Absent/Present

b) Other defects Absent/Present

Shipping Advice NO:-

Lorry Number :-

Quality Control Incharge

TEST REPORT



Siri Geo Solutions Private Limited

Civil & Geotechnical Engineering Services

(An ISO 9001-2015 & NABL Accredited Laboratory as per ISO/IEC 17025:2017)

TEST REPORT

Test Report No : SGPL/TR/20/64 Date : 30.07.2020

Name of Client : M/S Oriental Structural Engineers Private Limited

Project : Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km.50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.

Source of sample : Steel from M/s Agarwal Foubdries Pvt Ltd

Client Reference No : KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020

Date of tested : 24/07/2020

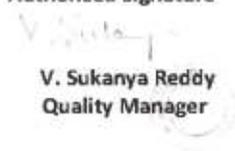
Nature of Test : Chemical properties of steel

CHEMICAL TEST RESULT OF STEEL BARS

SL. No.	Nominal dia. of bars	Chemical Composition				Grade
		Carbon in %	Sulphur in %	Phosphorus in %	Sulphur+ Phosphorus in %	
1	10mm	0.16	0.032	0.037	0.069	Fe500D
Req. as per IS:1786-2008(Max)		0.25	0.040	0.040	0.075	Fe -500D

- 1.This test report refers only to the mentioned sample submitted in the laboratory
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Authorized Signature



V. Sukanya Reddy
Quality Manager



Office : # 48-16/35 New Maruthi Nilayam, Kamineni Nagar Vijayawada 520008
Ph NO: 091-9493372677, www.sirigeosolutions.com, Email: sirilabvja@gmail.com

Our Branches : Hyderabad | Vijayawada | Tirupati

TEST REPORT



Siri Geo Solutions Private Limited
Civil & Geotechnical Engineering Services
 (An ISO 9001-2015 & NABL Accredited Laboratory as per ISO/IEC 17025:2017)

TEST REPORT

Test Report No : SGPL/TR/20/65 Date : 30.07.2020
 Name of Client : M/S Oriental Structural Engineers Private Limited
 Project : Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km. 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.
 Source of sample : Steel from M/s Agarwal Foubdries Pvt Ltd
 Client Reference No : KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020
 Date of tested : 24/07/2020
 Nature of Test : Chemical properties of steel

CHEMICAL TEST RESULT OF STEEL BARS

SL. No.	Nominal dia. of bars	Chemical Composition				Grade
		Carbon in %	Sulphur in %	Phosphorus in %	Sulphur+ Phosphorus in %	
1	12mm	0.17	0.035	0.031	0.066	Fe500D
Req. as per IS:1786-2008(Max)		0.25	0.040	0.040	0.075	Fe -500D

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Authorized Signature

V. Sukanya
 V. Sukanya Reddy
 Quality Manager



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Siri Geo Solutions Private Limited
 Civil & Geotechnical Engineering Services
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TEST REPORT

Test Report No : SGPL/TR/20/66 Date : 30.07.2020
 Name of Client : M/S Oriental Structural Engineers Private Limited
 Project : Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km. 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.
 Source of sample : Steel from M/s Agarwal Foubdries Pvt Ltd
 Client Reference No : KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020
 Date of tested : 24/07/2020
 Nature of Test : Chemical properties of steel

CHEMICAL TEST RESULT OF STEEL BARS

SL. No.	Nominal dia. of bars	Chemical Composition				Grade
		Carbon in %	Sulphur in %	Phosphorus in %	Sulphur+ Phosphorus in %	
1	16mm	0.16	0.033	0.034	0.067	Fe500D
	Req. as per IS:1786-2008(Max)	0.25	0.040	0.040	0.075	Fe -500D

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TEST REPORT

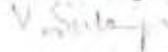
Test Report No : SGPL/TR/20/67 Date : 30.07.2020
 Name of Client : M/S Oriental Structural Engineers Private Limited
 Project : Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km. 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.
 Source of sample : Steel from M/s Agarwal Foubdries Pvt Ltd
 Client Reference No : KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020
 Date of tested : 24/07/2020
 Nature of Test : Chemical properties of steel

CHEMICAL TEST RESULT OF STEEL BARS

SL. No.	Nominal dia. of bars	Chemical Composition				Grade
		Carbon in %	Sulphur in %	Phosphorus in %	Sulphur+Phosphorus in %	
1	20mm	0.14	0.037	0.029	0.066	Fe500D
Req. as per IS:1786-2008(Max)		0.25	0.040	0.040	0.075	Fe -500D

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 Quality Manager



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Siri Geo Solutions Private Limited

Civil & Geotechnical Engineering Services

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TEST REPORT

Test Report No : SGPL/TR/20/68 Date : 30.07.2020

Name of Client : M/S Oriental Structural Engineers Private Limited

Project : Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km. 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.

Source of sample : Steel from M/s Agarwal Foubdries Pvt Ltd

Client Reference No : KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020

Date of tested : 24/07/2020

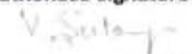
Nature of Test : Chemical properties of steel

CHEMICAL TEST RESULT OF STEEL BARS

Sl. No.	Nominal dia. of bars	Chemical Composition				Grade
		Carbon in %	Sulphur in %	Phosphorus in %	Sulphur+ Phosphorus in %	
1	25mm	0.17	0.034	0.036	0.070	Fe500D
	Req. as per IS:1786-2008(Max)	0.25	0.040	0.040	0.075	Fe -500D

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 V. Sukanya Reddy
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TEST REPORT



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TEST REPORT

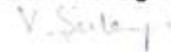
Test Report No : SGPL/TR/20/69 Date : 30.07.2020
 Name of Client : M/S Oriental Structural Engineers Private Limited
 Project : Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km. 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.
 Source of sample : Steel from M/s Agarwal Foubdries Pvt Ltd
 Client Reference No : KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020
 Date of tested : 24/07/2020
 Nature of Test : Chemical properties of steel

CHEMICAL TEST RESULT OF STEEL BARS

SL. No.	Nominal dia. of bars	Chemical Composition				Grade
		Carbon in %	Sulphur in %	Phosphorus in %	Sulphur+ Phosphorus in %	
1	32mm	0.20	0.026	0.019	0.045	Fe500D
	Req. as per IS:1786-2008(Max)	0.25	0.040	0.040	0.075	Fe -500D

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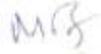
V. Sukanya Reddy
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TEST REPORT

Siri Geo Solutions Private Limited		Civil & Geotechnical Engineering Services		(An ISO 9001-2015 & NABL Accredited Laboratory as per ISO/IEC 17025:2017)				
TEST REPORT								
Test Report No	:	SGPL/TR/20/59	Date	:	30.07.2020			
ULR No.	:	TC889620000000003F						
Name of Client	:	M/S Oriental Structural Engineers Private Limited						
Project	:	Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.						
Source of sample	:	Steel from M/s Agarwal Foubdries Pvt Ltd						
Client Reference No	:	KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020						
No of sample tested	:	3nos						
Date of tested	:	24/07/2020						
Nature of Test	:	Physical properties of steel						
TEST RESULT OF STEEL BARS								
[Tested as per IS:1599--2012,1608-2018 &1786-2008(Ra2013)]								
Sl No	Nominal dia of steel bars	Wt./RM in kg.	% of elongation	Yield stress in N/mm ²	Tensile strength in N/mm ²	Total Elongation at maximum force%	Bend & Rebend	Remarks
1	10mm	0.589	21.35	582.65	706.80	7.2	Satisfactory	Fe - 500D
Requirement as per IS:1786-2008(Min)			Fe-500D=16.0	Fe-500D=500	Fe-500D=565	Fe-500 D=5	---	---
<p>1.This test report refers only to the mentioned sample submitted in the laboratory</p> <p>2.This report shall not be reproduced, except in full, without the writing permission of our QM</p>								
<p>Authorized Signature</p> <p></p> <p>N. Rathnam Raju Quality Manager</p>								
		<p>Office : # 48-16/35 New Maruthis Nilayam, Kamineni Nagar Vijayawada 520008</p> <p>Ph NO: 091-9493372677, www.sirigeosolutions.com, Email: sirilabvja@gmail.com</p>						
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TEST REPORT



Siri Geo Solutions Private Limited
Civil & Geotechnical Engineering Services
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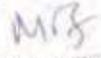
TEST REPORT

Test Report No	: SGPL/TR/20/60	Date : 30.07.2020
ULR No.	: TC88962000000004F	
Name of Client	: M/S Oriental Structural Engineers Private Limited	
Project	: Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km.50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.	
Source of sample	: Steel from M/s Agarwal Foubdries Pvt Ltd	
Client Reference No	: KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020	
No of sample tested	: 3nos	
Date of tested	: 24/07/2020	
Nature of Test	: Physical properties of steel	

TEST RESULT OF STEEL BARS
 [Tested as per IS:1599-2012,1608-2018 &1786-2008(Ra2013)]

Sl No	Nominal dia of steel bars	Wt./RM in kg.	% of elongation	Yield stress in N/mm ²	Tensile strength in N/mm ²	Total Elongation at maximum force%	Bend & Rebend	Remarks
1	12mm	0.872	21.92	578.42	694.25	7.1	Satisfactory	Fe - 500D
Requirement as per IS:1786-2008(Min)			Fe-500D=16.0	Fe-500D=500	Fe-500D=565	Fe-500 D=5	—	—

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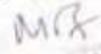
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N. Rathnam Raju
 Quality Manager



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Siri Geo Solutions Private Limited		Civil & Geotechnical Engineering Services		(An ISO 9001-2015 & NABL Accredited Laboratory as per ISO/IEC 17025:2017)				
TEST REPORT								
Test Report No	:	SGPL/TR/20/61	Date	:	30.07.2020			
ULR No.	:	TC889620000000005F						
Name of Client	:	M/S Oriental Structural Engineers Private Limited						
Project	:	Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km. 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.						
Source of sample	:	Steel from M/s Agarwal Foubdries Pvt Ltd						
Client Reference No	:	KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020						
No of sample tested	:	3nos						
Date of tested	:	24/07/2020						
Nature of Test	:	Physical properties of steel						
TEST RESULT OF STEEL BARS								
[Tested as per IS:1599-2012,1608-2018 &1786-2008(Ra2013)]								
Sl No	Nominal dia of steel bars	Wt./RM in kg.	% of elongation	Yield stress in N/mm ²	Tensile strength in N/mm ²	Total Elongation at maximum force%	Bend & Rebend	Remarks
1	16mm	1.574	19.68	568.57	668.77	7.5	Satisfactory	Fe - 500D
Requirement as per IS:1786-2008(Min)			Fe-500D=16.0	Fe-500D=500	Fe-500D=565	Fe-500 D=5	—	---
<p>1.This test report refers only to the mentioned sample submitted in the laboratory</p> <p>2.This report shall not be reproduced, except in full, without the writing permission of our QM</p> <p style="text-align: right;">Authorized Signature</p> <p style="text-align: right;">  N. Rathnam Raju Quality Manager </p>								
		Office : # 48-16/35 New Maruthis Nilayam, Kamineni Nagar Vijayawada 520008 Ph NO: 091-9493372677, www.sirigeosolutions.com , Email: sirilabvja@gmail.com						
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TEST REPORT



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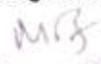
TEST REPORT

Test Report No	: SGPL/TR/20/62	Date : 30.07.2020
ULR No.	: TC889620000000006F	
Name of Client	: M/S Oriental Structural Engineers Private Limited	
Project	: Four laning of Kallagam to Karuppur from km. 38.700 to km. 50.382 and two laning with paved shoulders from Karuppur to Meensurutti from km. 50.382 to km. 98.433 under Bharatmala Pariyojana (Residual Projects under NHDP Phase-IV) in the State of Tamil Nadu on Hybrid Annuity Mode.	
Source of sample	: Steel from M/s Agarwal Foubdries Pvt Ltd	
Client Reference No	: KMHPL/OSEPL/NH-227/2020/30 dated 17.07.2020	
No of sample tested	: 3nos	
Date of tested	: 24/07/2020	
Nature of Test	: Physical properties of steel	

TEST RESULT OF STEEL BARS
[Tested as per IS:1599--2012,1608-2018 &1786-2008(Ra2013)]

Sl No	Nominal dia of steel bars	Wt./RM in kg.	% of elongation	Yield stress in N/mm ²	Tensile strength in N/mm ²	Total Elongation at maximum force%	Bend & Rebend	Remarks
1	20mm	2.426	19.16	590.17	694.24	7.4	Satisfactory	Fe - 500D
Requirement as per IS:1786-2008(Min)			Fe-500D=16.0	Fe-500D=500	Fe-500D=565	Fe-500 D=5	---	---

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N. Rathnam Raju
Quality Manager



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TEST REPORT

SI No	Nominal dia of steel bars	Wt./RM in kg.	% of elongation	Yield stress in N/mm ²	Tensile strength in N/mm ²	Total Elongation at maximum force%	Bend & Rebend	Remarks
1	25mm	3.825	22.96	537.86	668.52	7.5	Satisfactory	Fe - 500D
Requirement as per IS:1786-2008(Min)			Fe-500D=16.0	Fe-500D=500	Fe-500D=565	Fe-500 D=5	---	---

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N.R.
N. Rathnam Raju
Quality Manager

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Ph NO: 091-9493372677, www.sirigeosolutions.com, Email: sirilabvja@gmail.com

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TEST REPORT



भारतीय प्रौद्योगिकी संस्थान हैदराबाद
कॉम्प्लेक्स - ५०२ २८५, संगारेड्डी, तेलंगाना, भारत.
फोन : (०४०) २३०९ ६०३३; फैक्स : (०४०) २३०९ ६००३ /३२
Indian Institute of Technology Hyderabad
Kandi - 502 285, Sangareddy, Telangana, INDIA
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Test Report

Project: Testing of Reinforcing steel TMT bars for Mechanical and Chemical Properties as per BIS 1786: 2008.

Reference: Letter Dated 04/03/2019

Client: M S Agarwal Foundries Pvt. Ltd.
Rama Tower, 5-4-83, TSK Chambers, Opp. Ranigung Bus Depot,
M. G. Road, Secunderabad, 500 003

Consultant: Dr. Anil Agarwal
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Date: 27/03/2019



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TEST REPORT

1. Section Weight of Steel Specimens:

	Grade	Diameter (mm)	weight per m (kg/meter)	Acceptable range (kg/meter)
1	Fe 500	8	0.394	0.367 to 0.422
2	Fe550	8	0.389	0.367 to 0.422
3	Fe500	10	0.611	0.574 to 0.660
4	Fe550	10	0.586	0.574 to 0.660

Observation: The weights of the samples are within the prescribed limits as per IS 1786: 2008.

2. Yield Strength and Ultimate Strength: Tensile tests are conducted as per IS 1608: 2005. The calculated yield stresses and ultimate stresses are reported below.

	Grade	Diameter (mm)	Yield Stress F_y (MPa)	Minimum Yield Strength (MPa)	Ultimate Tensile Stress F_u (MPa)	Minimum Ultimate Stress (MPa)
1	Fe500	8	565	500	701	610
2	Fe550	8	655	550	741	694
3	Fe500	10	596	500	713	643
4	Fe550	10	609	550	659	645

Observation: Yield strength and Ultimate strengths of all samples satisfy the minimum requirements as per IS 1786: 2008.

3. Maximum Elongation: Maximum elongation is calculated per the procedure given in IS 1608. The calculated values are reported below.

	Grade	Diameter (mm)	Total Elongation (percentage)	Minimum Elongation (percent)
1	Fe 500	8	24.6	12
1	Fe550	8	19.9	10
1	Fe500	10	23.2	12
1	Fe550	10	19.7	10

Observation: Maximum elongation in all samples satisfies the minimum requirement as per IS 1786: 2008.







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