



A ROBUST RESOLVE.

ORIGINAL PRODUCER OF STEEL

CORPORATE
PROFILE





Mukesh Agarwal
Managing Director

Suryadev Alloys and Power was incorporated in 2006 with a vision to be the market leader in the steel industry, delivering world-class products at cost-effective prices. We collaborated with HSE Germany to set up South India's first greenfield Thermex unit, which was recognized by Ministry of Steel as the exemplar steel plant for manufacturing TMT bars. Furthermore, we launched the revolutionary 'QST rebars' that became the benchmark in the construction bars industry.

Today, we are among India's leading integrated steel manufacturers, a market leader in South India, and a symbol of quality and trust. We are fully committed to investing in the steel industry and upgrading our plants and processes. We recently increased our steel capacity to 600,000MT per annum and commissioned our captive DRI plant to improve the quality of our products.

The steel industry will play a vital role in our country's journey to a \$5 trillion economy. We endeavour to contribute towards economic growth and aim to bring innovation, sustainability, and best practices to the steel industry. We have contributed significantly towards nation building and our flagship brand 'Suryadev TMT' has been used in many milestone projects, such as Chennai Metro Rail and Chennai-Bangalore Expressway.

We also own and operate 2 x 80MW thermal power plants that supply uninterrupted captive power to our steel plant. We also have long-term agreements with other industrial users and Tamil Nadu Electricity Board. Our thermal power plants follow a zero-wastage plan, where over 90% of water consumed is recycled and reused.

We are also deeply committed to giving back to our society. Our CSR initiatives have helped many towns and villages to enhance infrastructure, restore environment, and improve medical facilities. Our 'Karna' initiative provides scholarships to 250 school students every year.

COMPANY OVERVIEW

Established in 2006, Suryadev Alloys and Power is among India's leading integrated steel manufacturers. Suryadev is engaged in manufacturing intermediate and finished steel products, including TMT Bars, MS Billets, MS Rounds, and Sponge Iron. Suryadev operates an integrated steel plant in New Gummidipoondi, Chennai, with a capacity of 0.6 MTPA. It follows IS 1786 standards for TMT Bars, IS 2830 standards for MS Billets, and IS 2062 standards for MS Rounds. Suryadev has an extensive distribution network with a strong market presence in South India. The company also operates 2 x 80MW thermal power plants and 1 x 25 MW WHRB power plant. The organisation is ISO 9001, ISO 14001 and ISO 45000 certified. Suryadev also has strong credit ratings; the company has received CARE A2 for its short term banking facilities and CARE A- for long-term banking facilities. The company is run by an expert workforce of 2000+ professionals with rich and diversified experience in the metals and mining industry.



PRODUCT RANGE

TMT REINFORCEMENT BAR



Fe 550

Chemical Properties	SURYADEV 550
Carbon (max)	0.25
Sulphur (max)	0.04
Phosphorus (max)	0.055
Sulphur + Phosphorus (max)	0.09

Mechanical Properties	SURYADEV 550
Yield Strength (min)	570
Ultimate Tensile Strength (min)	650
Elongation (min)	14.5
Total Elongation (min)	5

Chemical Properties	SURYADEV 550D
Carbon (max)	0.23
Sulphur (max)	0.04
Phosphorus (max)	0.04
Sulphur + Phosphorus (max)	0.075

Mechanical Properties	SURYADEV 550D
Yield Strength (min)	570
Ultimate Tensile Strength (min)	650
Elongation (min)	16
Total Elongation (min)	7

Fe 550D



**Fe 550D
CRS**

Chemical Properties	SURYADEV 550D CRS
Carbon (max)	0.15
Sulphur (max)	0.04
Manganese (min)	0.60
Alloy Elements (min)	0.40

Mechanical Properties	SURYADEV 550D CRS
Yield Strength (min)	570
Ultimate Tensile Strength (min)	650
Elongation (min)	16
Total Elongation (min)	7



Sponge Iron

Chemical Properties

Metallic Iron (min)	79
Metallization (min)	88
Carbon	0.08 - 0.14
Sulphur + Phosphorus (max)	0.10

Chemical Properties

Carbon (max)	0.23
Sulphur (max)	0.03
Phosphorus (max)	0.05
Manganese (min)	0.60

Mild Steel Billets



Chemical Properties

Chemical Properties	E250A
Carbon (max)	0.23
Sulphur (max)	0.04
Phosphorus (max)	0.055
Manganese (min)	0.60

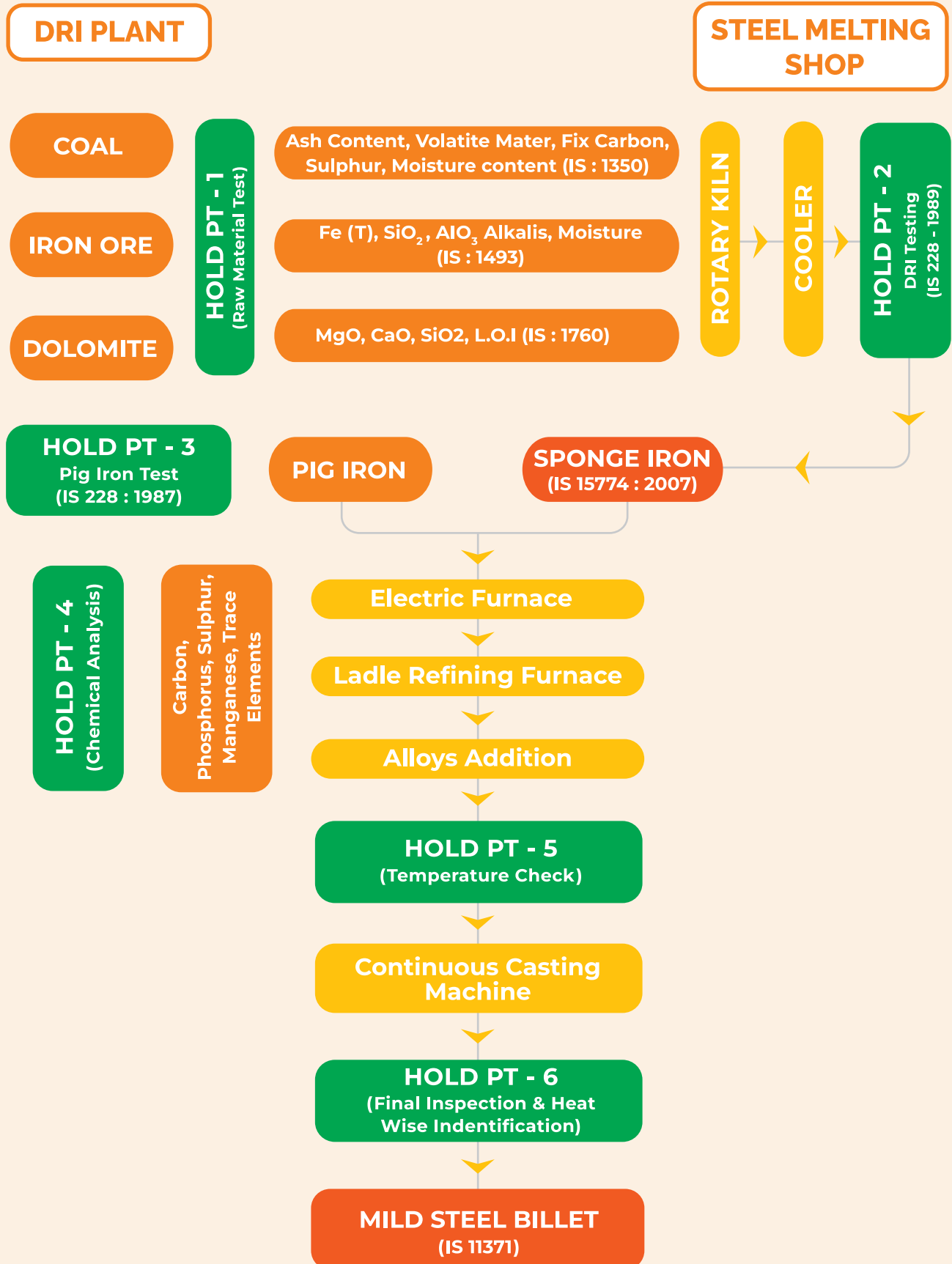
Mechanical Properties

Mechanical Properties	E250A
Yield Strength (min)	270
Ultimate Tensile Strength (min)	460
Elongation (min)	24
UTS/Yield Strength (min)	1.70



Mild Steel Rounds

QUALITY ASSURANCE PROCESS



ROLLING MILL**HOLD PT - 7**
(Billet Inspection)**Direct Hot Charging
Process****HOLD PT - 8A**
(Temperature Recheck)**Electric Induction
Heater****Rolling Mill****HOLD PT - 8B**
(Water Temperature &
Pressure Check)**Thermex Quenching****HOLD PT - 8C**
(Heat Wise Identification
& Tagging)**Cooling Bed****HOLD PT - 9**
(Mechanical Test)**Tensile Strength,
Yield Strength,
Ductility, Elongation****HOLD PT - 10**
(Final Physical &
Chemical Test Before
Dispatch)**TMT**
(IS: 1786 - 2008)
MS ROUNDS
(IS 2062 : 2011)

Material	Sampling Frequency	Parameter		Acceptance Criteria		Test Method
		Physical	Chemical	Physical	Chemical	
STAGE : INCOMING						
Iron Pellet (5 - 18MM)	Random sampling from lot.	Screen Analysis	Fe (T), LOI every Lot and as when required	Size:- +18 mm = (max 5.0%), -5 mm = (max 5.0%).	%Fe(T) = 63 min %LOI = 0.40 max	IS - 1493 (Part -1) 1981
Coal - A	Random sampling from lot.	Screen Analysis	Proximate Analysis Moisture Volatile Matter (VM) Ash Fixed Carbon Sulphur GCV	Size:- - 0 mm to 50mm	%Moisture = 13 max %V.M = 22 min %Ash = 26 max %FC = 50 min GCV = 5600 min %Sulphur - max 1.0	IS - 1350 (Part - 1 & 3)
Dolomite	Random sampling from lot.	Screen Size (2 - 8mm)	Moisture LOI SiO2 CaO MgO As & When Required	Size:- +8mm = max 5% -2mm = max 5%	%Moisture = max 4.0 % LOI = 40 min % SiO2 = 5 max %CaO = 26 min % MgO = 17 min	EDTA Method IS - 1760

Material	Sampling Frequency	Parameter		Acceptance Criteria		Test Method
		Physical	Chemical	Physical	Chemical	
STAGE : PROCESS						
Feed Ore	Every 08 Hrs.	Screen Analysis	Fe(T),LOI	Size:- +18 mm = (max 5.0%), -5 mm = (max 5.0%).	%Fe(T) = min 63 %LOI = max 0.40	IS - 1493 (Part -1) 1981
Feed Coal	Every 08 Hrs.	Screen Analysis	Proximate Analysis, Moisture , Volatile Matter(VM), Ash, Fixed Carbon	Size:- 5 mm to 35 mm (+35 &-5 mm =25 % Max)	As per Grade (A,B,D, E, or F)	IS - 1350 (Part-1 &3)
Inj. Coarse Coal	Every 08 Hrs.	Screen Analysis	Proximate Analysis, Moisture , Volatile Matter(VM), Ash, Fixed Carbon	Size: 5 mm to 35mm + 25 mm=20% (Max) - 5 mm =15 % (Max)	As per Grade (A,B,D, E, or F)	IS - 1350 (Part-1 &3)
Inj. Fines Coal	Every 08 Hrs.	Screen Analysis	Proximate Analysis, Moisture , Volatile Matter(VM), Ash, Fixed Carbon	Size:- 0 mm to 5mm (+5 mm = 10 % Max)	As per Grade (A,B,D, E, or F)	IS - 1350 (Part-1 &3)
Dolomite	Every 12 Hrs	Screen Analysis	% Moisture % LOI	Size- +8 mm = max 5% -2 mm = max 5%	%LOI = 40.0 min.	IS - 1760

Material	Sampling Frequency	Parameter		Acceptance Criteria		Test Method
		Physical	Chemical	Physical	Chemical	
STAGE : PROCESS						
Cooler Discharge(Mag)	Each 01 Hrs	% Non. Mag % -4.0 Non. Mag %-4.0 Mag	% Fe(M) & % Metallization		Sponge Iron : % Fe(M) = 79 min (Prime Grade), % Fe(M)= <78 (Off Grade)	IS - 10812 : 1992 Satmagan & (HgCl ₂ Method)
Cooler Discharge(Mag)	Each shift one time & as when is required		Sulphur % Carbon %		%Sulphur = 0.030 max % Carbon = 0.10 Min	Evolution Method, IS - 228(Part-9)-1989, Combustion Method, IS - 228(Part-1)-1987
Cooler Discharge(Mag)	Each 24 Hrs				%Phosphorus = 0.078 max	IS - 228(Part-3)-1987
Cooler Discharge (Non.Mag)	Every 08 Hrs	Screen Analysis	Volatile Matter (VM), Ash Fixed Carbon,	NA	NA	IS - 13885 : 2001
DRI (3-18) mm	Every 08 Hrs	Screen Analysis, % Non. Mag,	NA	Non.Mag = 1.0% max	NA	
DRI (0-3) mm	Every 08 Hrs	Screen Analysis, % Non. Mag,	NA	Non.Mag = 1.0% max	NA	
DRI (0-3) mm	Every 08 Hrs	Mag.	NA	Mag = 1.0% max	NA	IS - 13885 - 2001

Material	Sampling Frequency	Parameter		Acceptance Criteria		Test Method
		Physical	Chemical	Physical	Chemical	
STAGE : FINAL FINISH PRODUCT						
DRI /PDRI,Lumps (3-18) mm	Lot wise	% Non. Mag. %-1mm	% Fe(M) & % Metallization, %Sulphur	Non. Mag.= 1.0% max	Sponge iron %Fe (m) = 79 +	Satmagan & HgCl2 Method.
					%Sulphur = 0.030 max	Evolution method, IS - 228(Part-9)-1989
DRI / PDRI Fines (0-3)mm				-1 mm = 35 % max	% Fe(m) = 76+	Satmagan & HgCl2 Method.
					%Sulphur = 0.040 max	Evolution method, IS - 228(Part-9)-1989

Material	Parameter	Elements	As per IS		Sample Size & Frequency	Method of Checking	Record In
STAGE : INCOMING							
Sponge Iron	Chemical Analysis	%Fe(M)	IS 15774:2007		Lot Wise / Random Sample	Bromine Methanol Method	SAPPL/F/QC/ R-01
		%Fe(T)					
		%Fe(O)					
		%P	IS 228 (Part 3)-1987 Reaff rmed 2002			Alkalimetric Method	
		%S				Evolution Method	
		%C				Volumetric Method	
		%Fe(MET)	IS 15774:2007	Bromine Methanol Method			
Pig Iron	Chemical Analysis	%Si	IS 228 (Part 3)-1987 Reaff rmed 2002		Random Sample	Gravimetric Analysis	SAPPL/F/QC/ R-01
		%C				Strolen Apparatus	
		%P				Gravimetric Analysis	
		%S	0.030%	Volumetric Method			
Silico Manganese	Chemical Analysis	%Mn	60 - 65%	IS 1470 - 2013	Random Sample	Volumetric Method	SAPPL/F/QC/ R-01
		%Si	17 - 20%			Gravimetric Analysis	
		%C	2%			Strolen Apparatus	
		%P	0.30%			Gravimetric Analysis	
		%S	0.030%			Volumetric Method	
Coal -A	Chemical Analysis	Ash	%Ash = 26 Max		Random Sample	IS-1350 (Part - 1 & 3)	SAPPL/F/QC/ R-01
		Fixed Carbon	%FC = 50 Min				
		Sulphur	%Sulphur = 1.0 Max				
		Moisture	%Moisture = 13 Max				

Material	Parameter	Elements	As per IS	Sample Size & Frequency	Method of Checking	Record In
STAGE : FINAL						
Billets Inprocess	Chemical Analysis & Spectro Meter	%C	IS228 (Part 3) - 1987 Reaff rmed 2002	Heat Wise Random Sample	Volumetric Analysis	SAPPL/F/QC/ R2
		%Mn			Arsennite Analysis	
		%Si			Gravimetric Analysis	
		%P			Evolution Analysis	
		%S			Alkalimetric Analysis	
Billets Final	Chemical Analysis & Spectro Meter	%C	IS228 (Part3) - 1987 Reaff rmed 2002	Heat Wise Sample	Volumetric Analysis	SAPPL/F/QC/ R3
		%Mn			Arsennite Analysis	
		%Si			Gravimetric Analysis	
		%P			Evolution Analysis	
		%S			Alkalimetric Analysis	
Billets Final	Visual Inspection	TOLERANCES	IS 11371	Heat Wise Sample	Macroetch Test	SAPPL/F/QC/ R3
		BEND				
		CAMBER				
		MACRO TEST				

Parameter	Standard / Specif cation	Method of checking	Testing		Acceptance Criteria	Record In			
			Ref. Standard	Frequency					
STAGE : FINAL FINISHED PRODUCT									
Unit Weight	IS 1786:2008	Weighing Machine	IS 1786:2008	One Sample per 20 MT	As per SBE Approved drawing and Reference Standard at Places in Final Inspection	Witness Test Report			
Dimensions	IS 1786:2008	Weighing Machine	IS 1786:2008	One Sample per 20 MT	Upto Including 10mm +/- 7%	Witness Test Report			
					Over 10mm upto & Including 16mm +/- 5%				
					Over 16mm +/- 3%				
Tensile Test	IS 1786:2008	Tensile test method	IS 1786:2008	One Sample per 20 MT	Grade	Fe 550	Fe 550D	Fe 500D	Witness Test Report
					Yield Strength	580	580	530	
					Ultimate tensile Strength (N/mm2)	660	660	640	
					Elongation	18	22	22	
					Total Elongation (%)		6	6	
					TS/YS Ratio	1.2	1.15	1.15	
Bend	IS 1786:2008	Bend Test Method	BIS STD IS 1786 (180 Deg.)	One Sample per 20 MT	No Transverse crack in the Bend position	Witness Test Report			
Rebend Test	IS 1786:2008	Rebend Test Method	IS 1786:2008 (157.5 & 135 Deg.)	One Sample per 20 MT	No Fraction in the Bend Position	Witness Test Report			
Visual	IS 1786:2008	Visually	IS 1786:2008	100 percent	Ferr From Surface Defects such as Lamination & Overlapping	Witness Test Report			
Chemical Composition	IS 1786:2008	Spectro Analysis	IS 1786:2008	One Sample per 20 MT	Constituents		Grade		
							Fe 550	Fe 550D	Fe 500D
					Carbon		0.17 - 0.24	0.17 - 0.24	0.16 - 0.24
					Manganese		0.60 - 1.00	0.70 - 1.20	0.65 - 1.20
					Sulphur		0.045 max	0.035 max	0.040 max
					Phosphorus		0.050 max	0.040 max	0.040 max
					S+P%		0.095	0.075	0.75
Silicon	0.30 max	0.30 max	0.30 max						

LICENCES & CERTIFICATES



**For anyother
communication**

Address: Chennai Branch Office - I-
CIT Campus, IV Cross
Road, Chennai,
CHENNAI,TAMIL
NADU,600113

Phone: 044-22352315, 22351584

Fax: 04422350087

E-Mail: cnbo1@bis.gov.in

Web: www.bis.org.in,
www.manakonline.in

BUREAU OF INDIAN STANDARDS**Attachment to Licence No. CM/L- 6842078**

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
6842078	SURYADEV ALLOYS & POWER PVT LTD - S.NO.298/2 NEW GUMMIDIPOONDI , , : 601201	Carbon steel cast billet ingots,billets,blooms and slabs for re-rolling into steel for general structural purposes - Specification	IS 2830 : 2012

Endorsement No. 17 Dated 28-Jun-2022

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

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 31-JUL-2022 has been extended from First August Two Thousand Twenty Two to ThirtyFirst July Two Thousand TwentyFive

Other terms and conditions of licence remain same.

Branch Head (Chennai Branch Office-II)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002. ,9 Bahadur Shah Zafar Marg,
,DELHI,110002

Contact No: +91 11 23230131,
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NADU, 600113

Phone: 044-22352315, 22351584

Fax: 04422350087

E-Mail: cnbo1@bis.gov.in

Web: www.bis.org.in,
www.manakonline.in

BUREAU OF INDIAN STANDARDS**Attachment to Licence No. CM/L- 6841985**

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
6841985	SURYADEV ALLOYS & POWER PVT LTD - S.NO.298/2 NEW GUMMIDIPOONDI , , : 601201	High strength deformed steel bars and wires for concrete reinforcement-	IS 1786 : 2008

Endorsement No. 20 Dated 28-Jun-2022

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

Now, consequent upon renewal, the validity of the licence given in schedule of the Licence Dated 31-JUL-2022 has been extended from First August Two Thousand Twenty Two to Thirty First July Two Thousand Twenty Five

Other terms and conditions of licence remain same.

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CHENNAI, TAMIL
NADU, 600113

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Web: www.bis.org.in,
www.manakonline.in

BUREAU OF INDIAN STANDARDS**Attachment to Licence No. CM/L- 6700096217**

CM/L-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
6700096217	SURYADEV ALLOYS AND POWER PRIVATE LIMITED -S.No,298/2, New Hot Rolled Medium and High Gummidi Poondi, , Gummidi Tensile Structural Steel Poondi TK, Tiruvalluvar DT , Gummidipondi : 601201		IS 2062 : 2011

Endorsement No. 1 Dated 10-Feb-2024

Whereas, the licence was valid upto Second March Two Thousand Twenty Four.

Now, consequent upon renewal, the validity of the licence given in schedule of has been extended from Second March Two Thousand Twenty Four to First March Two Thousand Twenty Seven

Other terms and conditions of licence remain same.

Branch Head (Chennai Branch Office)

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002. ,9 Bahadur Shah Zafar Marg,
,DELHI,110002

Contact No: +91 11 23230131,
23233375, 23239402

Fax: +91 11 23234062, 232

Email: info@bis.gov.in



Certificate of Registration

This certificate has been awarded to

SURYADEV ALLOYS AND POWER PRIVATE LIMITED

Factory-No. 298/2, New Gummidipoondi, Gummidipoondi Taluk, Thiruvallur District,
Tamil Nadu, 601201, India

In recognition of the organization's Quality Management System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

Integrated Steel Plant Manufacturing M.S. Billets/CRS Billets, Quenched and Self-Tempered Bars and High Strength Corrosion Resistance Steel (HSCRS) Bars

Certificate Number 118820/A/0002/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
23 November 2021	1	22 November 2024	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
23 November 2021	0	23 November 2021	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by

On behalf of the Schemes Manager





Certificate of Registration

This certificate has been awarded to

SURYADEV ALLOYS AND POWER PRIVATE LIMITED

Head Office-No. 497 & 498, ISANA Building, 8th Floor, Poonamallee High Road,
Arumbakkam, Chennai, Tamil Nadu, 600106, India

in recognition of the organization's Quality Management System which complies with

ISO 9001:2015

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SURYADEV ALLOYS AND POWER PRIVATE LIMITED

Factory-No. 298/2, New Gummidipoondi, Gummidipoondi Taluk, Thiruvallur District,
Tamil Nadu, 601201, India

in recognition of the organization's Environmental Management System which complies with

ISO 14001:2015

The scope of activities covered by this certificate is defined below

Integrated Steel Plant Manufacturing M.S. Billets/CRS Billets, Quenched and Self-Tempered Bars and High Strength Corrosion Resistance Steel (HSCRS) Bars

Certificate Number: 120395/A/0002/UK/En

A certificate number of 0001, confirms the Client has a single site Certified & the site is their Head Office or Main site in relation to the Certified scope with URS. A certificate number of 0002, or greater (e.g. 0002/UK/En) refers to a client that has more than one site certified with URS, as such, the following statement shall apply - "The validity of this certificate depends on the validity of the main certificate".

Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
12 September 2022	1	11 September 2025	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
12 September 2022	0	12 September 2022	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

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Factory-No. 298/2, New Gummidipoondi, Gummidipoondi Taluk, Thiruvallur District,
Tamil Nadu, 601201, India

in recognition of the organization's Health and Safety Management System which complies with

ISO 45001:2018

The scope of activities covered by this certificate is defined below

Integrated Steel Plant Manufacturing M.S. Billets/CRS Billets, Quenched and Self-Tempered Bars and High Strength Corrosion Resistance Steel (HSCRS) Bars

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24 September 2022	1	23 September 2025	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
24 September 2022	0	24 September 2022	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

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Issued by

On behalf of the Schemes Manager





THERMEX

QST LICENCE

This is to certify that

Suryadev Alloys & Power Pvt. Ltd.

has been granted Licence Rights to use the THERMEX QUENCHING SYSTEM and TECHNOLOGY of M/s HENNIGSDORFER STAHL ENGINEERING GmbH, GERMANY in its rolling mill at Sr. No. 298/2, New Gummidipoondi Taluk, Tiruvallur District, Tamil Nadu – 601 201, India to produce high strength Thermex Quenched & Self Tempered (QST) rebars having mechanical properties as per IS 1786 : 2008 (Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe 415D, Fe 500 & Fe 500D in sizes 8 to 32 mm.

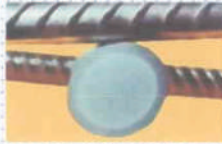
This Licence is valid up to **31st March 2025.**

for H&K ROLLING MILL ENGINEERS PVT. LTD.

Managing Director



(THERMEX is the registered trademark of H&K in India and of HSE Germany in other countries)



THERMEX QST LICENCE

This is to certify that

Suryadev Alloys and Power Pvt. Ltd. **(Rolling Mill-2)**

has been granted Licence Rights to use the THERMEX QUENCHING SYSTEM and TECHNOLOGY of M/s HENNIGSDORFER STAHL ENGINEERING GmbH, GERMANY in its rolling mill at 298/2, New Gummidipoondi, Gummidipoondi Taluk, Thiruvallur District - 601 201, Tamil Nadu, India to produce high strength Thermex Quenched & Self Tempered (QST) rebars having mechanical properties as per IS 1786 : 2008 (Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe 415D, Fe 500, Fe 500D, Fe 550 and Fe 550D in sizes 8 to 40 mm.

This Licence is valid up to **31st March 2025**.

for H&K ROLLING MILL ENGINEERS PVT. LTD.

Managing Director



(THERMEX is the registered trademark of H&K in India and of HSE Germany in other countries)

APPROVALS





In Association with

MARSWAY

Consultancy Services for Independent Engineer services for Supervision of Development of Six-Lane Access Controlled Greenfield Highway from Audireddipalle (Ch. 160+000) to Chandrasekharapuram (Ch. 228+000) of [NH-544G] Bengaluru -Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh (Package-III)-2nd Call

Ref: ALT/1023.1/2024/BLR-VJY/P8/219

Date: 08.07.2024

To
M/s. MEIL Mallapalle Roadways Private Limited
P.no.5-1, Phase-1, Technocrat Indl. Estate
Balanagar, Telangana
Hyderabad - 500037,

Project: Development of Six-Lane Access Controlled Greenfield Highway from Mallapalle (Ch. 176+000) to Kavulakuntla (Ch. 196+000) Bengaluru - Vijayawada Economic corridor on HAM Mode under Bharatmata Pariyojana Phase-I in the state of Andhra Pradesh- (Pkg-08)

Sub: Approval of Reinforcement steel from M/s Suryadev Alloys Power Pvt Ltd (Suryadev TMT) -Reg.

Ref: Your letter no: MEIL/NHAI/BV/PKG-8/2023-24/QC/017 dt:20-06-2024

Dear Sir,

With reference to the above cited subject, and reference mail received from concessioner on dt: 21.06.2024 for the inspection of manufacturing unit of M/s Suryadev TMT Steel on dated 25.06.2024 for the witness of testing and production process for quality control standard parameters to maintain from raw material to final stage including stacking of Reinforcement steel as per NHAI circular NHAI/RW/NH-34066/09/2017-S&R (B) on dt: 28.10.2020.

Factory inspection done along with the contractor representative, The Independent Engineers representative (Mr. A.V.Pratap Reddy-SQME) inspected the manufacturing unit located at Chennai, Tamil Nadu. And the observations are as follows....

1. During joint inspection, it was observed that the manufacture process and found that this steel reinforcement was being produced through integrated manufacturing process from iron ore to pellets, pellets to sponge iron and to bullets to final product TMT bars with process Quenching and Self Tempering through Thermex technology. Every process from sponge making to TMT bar is being manufactured in a single premises.
2. The manufacturer has a sufficient Land Area of 230 Acres with full primary integrated production facility having 2X80MW with 2 Turbine generating power connected with bag filter to control dust, in DRI unit Kiln 2X500 TPD producing sponge iron 915MT per day and they produce 1X30MW power through Waste Heat Recovery Boiler from DRI Unit and Dust suppression system used to control air quality and also Covered Stockyard with storage capacity of 1 lakh metric ton.
3. The manufacture has a well-established in-house testing laboratory to conduct the tests as per the requirements and jointly collect the samples and conducted the tests both physical and chemical of the dia 12mm, 20mm & 25mm reinforcement steel in our presence, and the same Lot/Batch samples also sent to the third-party lab in M/S SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, Delhi.

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Sector 21, New Delhi - 110077 INDIA
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E-mail: info@altinokindia.com
Phone: +91-11-41824253



SA INFRASTRUCTURE CONSULTANTS PVT. LTD.
11th floor, Tower A-II, Ansal corporate park,
Sector 142, Noida, Uttar Pradesh 201301



Consultancy Services for Independent Engineer services for Supervision of Development of Six-Lane Access Controlled Greenfield Highway from Audireddipalle (Ch. 160+000) to Chandrasekharapuram (Ch. 228+000) of [NH-544G] Bengaluru –Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh (Package-III)-2nd Call

Additionally, the following points must be adhered to by the Concessionaire during the steel procurement process at the site:

1. Each Lot Consignment of reinforcement steel should be accompanied by valid invoices and manufacturing test certificates (MTC) which should be verified by IE representatives.
2. Every batch of steel received on-site will undergo testing by an NABL accredited laboratory as a third-party inspection and will be overseen by IE representatives, conforming to IS:1786-2008.
3. The reinforcement steel must meet the specified requirements outlined in section 1009.3.1 of MoRT&H specification, IS:1786-2008, and relevant clauses of the Concession Agreement before being delivered to the site.
4. The procurement, storage, protection, and utilization of steel must comply with the relevant IS:4082 and clause 1603 of MoRT&H specification, as well as the provisions of the Concession Agreement.
5. Only newly acquired lots should be delivered to the site, and each bar must be examined prior to utilization. Any defective, burnt, brittle, or cracked bars should be discarded.

In case any test specimens from the lots fail in third-party testing as per IS:1786-2008 and do not meet the specifications, the entire lot will be rejected, and the steel must be removed from the site.

The approval does not exempt the concessionaire from any obligations stipulated in the Concession Agreement, including liabilities for errors, omissions, discrepancies, and non-compliance.

Thanking you

For Altinok in JV with SA Infra in Association with Marsway

Yours sincerely,


Swetabh Singh
Authorized Signatory

Copy To: Project Director, PIU Kadapa



In Association with

MARSWAY

Consultancy Services for Independent Engineer services for Supervision of Development of Six-Lane Access Controlled Greenfield Highway from Audireddipalle (Ch. 160+000) to Chandrasekharapuram (Ch. 228+000) of [NH-544G] Bengaluru -Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh (Package-III)-2nd Call

Ref: ALT/1023.1/2024/BLR-VJY/P7/220

Date: 08.07.2024

To
M/s Bengaluru-Vijayawada Expressway
Package-7, Limited.
Plot No.5, Inside Govind Narayan Singh Gate,
Chuna Bhatti, Kolar Road,
Bhopal-462016

Project: Development of Six-Lane Access Controlled Greenfield Highway from Audireddipalle Ch. 160+000) to Mallapalle (Ch. 176+000) of [NH-544G] Bengaluru -Vijayawada Economic Corridor on HAM Mode under Bharat Mala Pariyojana Phase-I in the State of Andhra Pradesh (Package- 07).

Sub: Approval of Reinforcement steel from M/s Suryadev Alloys Power Pvt Ltd (Suryadev TMT)-Reg.

Ref: Your Letter BVEP7L/NHAI/Bengaluru – Vijayawada pkg-7/2024-25/249 dated 01.07.2024.

Dear Sir,

With reference to the above cited subject, The Independent Engineer inspected the manufacturing unit of M/s Suryadev TMT Steel on dated 25.06.2024 for the witness of testing and production process for quality control standard parameters to maintain from raw material to final stage including stacking of Reinforcement steel as per NHAI circular NHAI/RW/NH-34066/09/2017-S&R (B) on dt: 28.10.2020.

Factory inspection done by the Independent Engineers representative (Mr. A.V.Pratap Reddy-SQME) inspected the manufacturing unit located at Chennai, Tamil Nadu. And the observations are as follows....

1. During joint inspection, it was observed that the manufacture process and found that this steel reinforcement was being produced through integrated manufacturing process from iron ore to pellets, pellets to sponge iron and to bullets to final product TMT bars with process Quenching and Self Tempering through Thermex technology. Every process from sponge making to TMT bar is being manufactured in a single premises.
2. The manufacturer has a sufficient Land Area of 230 Acres with full primary integrated production facility having 2X80MW with 2 Turbine generating power connected with bag filter to control dust, in DRI unit Kiln 2X500 TPD producing sponge iron 915MT per day and they produce 1X30MW power through Waste Heat Recovery Boiler from DRI Unit and Dust suppression system used to control air quality and also Covered Stockyard with storage capacity of 1 lakh metric ton.
3. The manufacture has a well-established in-house testing laboratory to conduct the tests as per the requirements and jointly collect the samples and conducted the tests both physical and chemical of the dia 12mm, 20mm & 25mm reinforcement steel in our presence, and the same Lot/Batch samples also sent to the third-party lab in M/S SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH, Delhi.

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Phone: +91-11-41824253



SA INFRASTRUCTURE CONSULTANTS PVT. LTD.
11th floor, Tower A-II, Ansal corporate park,
Sector 142, Noida, Uttar Pradesh 201301



Consultancy Services for Independent Engineer services for Supervision of Development of Six-Lane Access Controlled Greenfield Highway from Audireddipalle (Ch. 160+000) to Chandrasekharapuram (Ch. 228+000) of [NH-544G] Bengaluru -Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh (Package-III)-2nd Call

Additionally, the following points must be adhered to by the Concessionaire during the steel procurement process at the site:

1. Each Lot Consignment of reinforcement steel should be accompanied by valid invoices and manufacturing test certificates (MTC) which should be verified by IE representatives.
2. Every batch of steel received on-site will undergo testing by an NABL accredited laboratory as a third-party inspection and will be overseen by IE representatives, conforming to IS:1786-2008.
3. The reinforcement steel must meet the specified requirements outlined in section 1009.3.1 of MoRT&H specification, IS:1786-2008, and relevant clauses of the Concession Agreement before being delivered to the site.
4. The procurement, storage, protection, and utilization of steel must comply with the relevant IS:4082 and clause 1603 of MoRT&H specification, as well as the provisions of the Concession Agreement.
5. Only newly acquired lots should be delivered to the site, and each bar must be examined prior to utilization. Any defective, burnt, brittle, or cracked bars should be discarded.

In case any test specimens from the lots fail in third-party testing as per IS:1786-2008 and do not meet the specifications, the entire lot will be rejected, and the steel must be removed from the site.

The approval does not exempt the concessionaire from any obligations stipulated in the Concession Agreement, including liabilities for errors, omissions, discrepancies, and non-compliance.

Thanking you

For Altinok in JV with SA Infra in Association with Marsway
Yours sincerely,

Swetabh Singh
Authorized Signatory

Copy To: Project Director, PIU Kadapa



CHAITANYA
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iebvpgk2@sbcspcl.com

Shree Bhawani Consultancy
Services Pvt. Ltd.



PROJECT SITE OFFICE:
DO No. 15/529-2 K. Appaya Palli,
Kamalapuram, Kadapa - 516289,
Andhra Pradesh
Email: tlbvpgk2@gmail.com

Ref: IE/BV/Pkg-II/2023-24/Pkg-6 /321

Date: 07.07.2024

To

The Authorized Signatory
M/s MEIL BV PKG 6 Roadways Private Limited,
Unit No.22, Technocrat Indl. Estate,
Balanagar, Rengareddi, Hyderabad -500037
Telangana, India
Tel:- 91-40-44609100.

Sub: Consultancy Services for Independent Engineer Services for Supervision of Development of Six-Lane Access Controlled Greenfield Highway from Yerragudipadu (Ch. 129+000) to Audireddipalli (Ch. 160+000) of Bengaluru - Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh (Package-6-Submission of Profile & Credentials of M/s Suryadev Alloys & Power Private Ltd for source Approval- Reg.

Ref:-1. Concessionaire letter no. MEIL/NHAI/NH544G, PKG-6/2023-24/QC/031 dated 22nd June-2024
2.NHAI Office Memorandum (Modified): NHAI/TIC/PQ/2012.3/445/e-File2252 Dated 28.02.2024.

Dear Sir,

In accordance with aforesaid subject & Lt No:1 Concessionaire has submitted products/source approval to procure the materials from M/s Suryadev Alloys & Power Private Ltd (Suryadev TMT Bars), Sl.No.298/2, New Gummidipoondi, Gummidipoondi Taluk, Thiruvallur Dist. Tamilnadu-601201 and to use in above mentioned subject project.

2. Again, on the basis of the office Memorandum u/r letter no.2, the aforesaid brand is not in approval list.

3. In view of that IE has examined the credentials of the Suryadev TMT Bars of M/s Suryadev Alloys & Power Private Ltd & Observations are as follows:

- Bureau of Indian Standards (BIS) certificate for Carbon steel cast billet ingots, blooms & slabs for re-rolling into steel under IS 2830:2012 & High Strength Deformed Steel bars & wires for Concrete Reinforcement under 1786:2008 are valid up to dated 31.07. 2025. Similarly, BIS for Hot Rolled Medium & High Tensile Structural Steel under IS 2062:2011 valid up to dated 01.03.2027.
- Certificates towards Environment Management system ISO 14001:2015 is valid up to dated 22.11.2024, Quality Management System ISO 9001:2015 valid up to dated 11.09.2025 and Health & safety Management system ISO 45001:2018 are valid till 23.09.2025 for Integrated Steel Plant manufacturing M.S. Billets/CRS Billets, Quenched & Self Tempered Bars and High Strength Corrosion.
- The manufacturer has Thermex QST Licence for its Rolling Mill-1 to produce High Strength Thermex Quenched & Self Tempered (QST) Rebars having Mechanical Properties as per IS 1786:2008 (Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe415D, FE500 FE500D in sizes 8 to 32mm and for Rolling Mill-2 to produce High Strength Thermex Quenched & Self Tempered (QST) Rebars having Mechanical Properties as per IS 1786:2008 (Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe415D, Fe500, Fe500D, Fe550, Fe550D in sizes 8 to 40mm valid up to 31.03.2025.
- The Credential of the manufacturer includes its product Range towards Fe550, Fe550D, Fe550D (CRS), Sponge Iron, Mild Steel Billets, Mild Steel rounds.
- The profile of the manufacturer shows that all Quality Assurance Process in DRI Plant, Steel Melting Plant, Rolling Mill are undertaken by the manufacturer.
- The manufacturer has submitted Quality Plan of DRI, SMS, RM divisions separately for different raw materials with sampling frequency which justifies the Quality Consciousness of the Company.
- The Profile of the manufacturer includes Provisional as well as Final Source approvals from NHAI Consultants, PIU: Chennai-1, Chennai Metro Rail Limited, WAPCOS Limited, Public Works Department, Tamilnadu & Tamilnadu Housing Board after conduction of Factory Visit & witnessing Third Party Tests as per IS 1786:2008 & Clause 1009 of MoRT&H 5th Revision.
- The manufacturer has submitted Purchase Orders from different Concessionaire also.



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Shree Bhawani Consultancy
Services Pvt. Ltd. **SBC SPL**

PROJECT SITE OFFICE:
DO No. 15/529-2 K. Appaya Palli,
Kamalapuram, Kadapa – 516289,
Andhra Pradesh
Email: llbvpg2@gmail.com

i. Third Party Test Reports of TEST 2 Build & Omega Inspection & analytical Laboratory (both NABL accredited lab.) on TMT Steel bars towards both Physical & Chemical tests for different dia of 8mm to 32mm.

In view of the above, the product of M/s Suryadev Alloys & Power Private Ltd (Suryadev TMT Bars), will be concurred for provisional approval subjected to fulfillment of following conditions: -

i) Submission of MTC (Manufacturer Test Certificate) along with Third party Test reports from NABL accredited Laboratory for each material / product & for each project as per IS 1786:2008 reaffirmed 2017 particularly for each lot.

ii) Field tests of individual batch / lots to be carried out before allowing the material / product to be used.

iii) Only fresh materials / products from the source be supplied at site.

iv) Any material / product not meeting out the prescribed standards should not be put to use.

vi) The records of all material / product should compulsorily be kept as a separate record with the concerned authorities before use of material / product in NHAI projects.

In the view of above, the products of M/s Suryadev Alloys & power private limited may be procured a least quantity from each dia of TMT Bars for sampling purpose to conduct third party tests only & concessionaire is requested to plan a factory visit to evaluate its capacity to supply to the project as well as to conduct the conformity tests in its Inhouse lab to render provisional approval till the concessionaire submits the Third-party test reports for fulfillment of conditions mentioned in office memorandum (Modified): NHAI/TIC/PQ/2012-13/445/E-File2252 dated 28.02.2024

Thanking and assuring you of our best services always.

Yours faithfully,

For M/s Chaitanya Projects Consultancy Pvt. Ltd. in JV with
M/s FP India Project Management Consultancy Services Pvt. Ltd. in association with
M/s Shree Bhawani Consultancy Service Pvt. Ltd.

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SBC SPL
Bangalore - Vijayawada Pkg - II

Copy to: The Project Director, PIU Kadapa for your kind information please.



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Shree Bhawani Consultancy
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Kamathapuram, Kaddur - 516260
Andhra Pradesh
Email: bhupag2@gmail.com

Ref: IE/BV/Pkg-II/2023-24/Pkg-5/320

Date: 07.07.2024

To

The Authorized Signatory
M/s MEIL BV PKG 5 Roadways Private Limited,
Unit No.22, Technocrat Indl. Estate,
Balanagar, Rengareddi, Hyderabad -500037
Telangana, India
Tel:- 91-40-44609100.

Sub: Consultancy Services for Independent Engineer Services for Supervision of Development of Six-Lane Access Controlled Greenfield Highway from Nallacheruvu palli (Ch. 96+300) to Yerragudipadu (Ch. 129+000) of Bengaluru - Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh (Package-5): -**Submission of Profile & Credentials of M/s Suryadev Alloys & Power Private Ltd for source Approval- Reg.**

1. Concessionaire letter no. MEIL/NHAI/NH544G, PKG-5/2023-24/QC/046 dated 22nd June-2024
2. NHAI Office Memorandum (Modified): NHAI/TIC/PQ/2012.3/445/e-File2252 Dated 28.02.2024.

Dear Sir,

In accordance with aforesaid subject & Lt No:1 Concessionaire has submitted products/source approval to procure the materials from M/s Suryadev Alloys & Power Private Ltd (Suryadev TMT Bars). Sl.No.298/2. New Gummidipoondi, Gummidipoondi Taluk, Thiruvallur Dist. Tamilnadu-601201 and to use in above mentioned subject project.

2. Again, on the basis of the office Memorandum/r letter no.2, the aforesaid brand is not in approval list.

3. In view of that IE has examined the credentials of the Suryadev TMT Bars of M/s Suryadev Alloys & Power Private Ltd & Observations are as follows:

a. Bureau of Indian Standards (BIS) certificate for Carbon steel cast billet ingots, blooms & slabs for re-rolling into steel under IS 2830:2012 & High Strength Deformed Steel bars & wires for Concrete Reinforcement under 1786:2008 are valid up to dated 31.07. 2025. Similarly, BIS for Hot Rolled Medium & High Tensile Structural Steel under IS 2062:2011 valid up to dated 01.03.2027.

b. Certificates towards Environment Management system ISO 14001:2015 is valid up to dated 22.11.2024, Quality Management System ISO 9001:2015 valid up to dated 11.09.2025 and Health & safety Management system ISO 45001:2018 are valid till 23.09.2025 for Integrated Steel Plant manufacturing M.S. Billets/CRS Billets, Quenched & Self Tempered Bars and High Strength Corrosion.

c. The manufacturer has Thermex QST Licence for its Rolling Mill-1 to produce High Strength Thermex Quenched & Self Tempered (QST) Rebars having Mechanical Properties as per IS 1786:2008 (Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe415D, FE500 FE500D in sizes 8 to 32mm and for Rolling Mill-2 to produce High Strength Thermex Quenched & Self Tempered (QST) Rebars having Mechanical Properties as per IS 1786:2008 (Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe415D, Fe500, Fe500D, Fe550, Fe550D in sizes 8 to 40mm valid up to 31.03.2025.

d. The Credential of the manufacturer includes its product Range towards Fe550, Fe550D, Fe550D (CRS), Sponge Iron, Mild Steel Billets, Mild Steel rounds.

e. The profile of the manufacturer shows that all Quality Assurance Process in DRI Plant, Steel Melting Plant, Rolling Mill are undertaken by the manufacturer.

f. The manufacturer has submitted Quality Plan of DRI, SMS, RM divisions separately for different raw materials with sampling frequency which justifies the Quality Consciousness of the Company.

g. The Profile of the manufacturer includes Provisional as well as Final Source approvals from NHAI Consultants, PIU: Chennai-1, Chennai Metro Rail Limited, WAPCOS Limited, Public Works Department, Tamilnadu & Tamilnadu Housing Board after conduction of Factory Visit & witnessing Third Party Tests as per IS 1786:2008 & Clause 1009 of MoRT&H 5th Revision.



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Kannaduram, Kadapa - 515289
Andhra Pradesh
Email: 15vpg2@opnmail.com

h. The manufacturer has submitted Purchase Orders from different Concessionaire also.

i. Third Party Test Reports of TEST 2 Build & Omega Inspection & analytical Laboratory (both NABL accredited lab.) on TMT Steel bars towards both Physical & Chemical tests for different dia of 8mm to 32mm.

In view of the above, the product of M/s Suryadev Alloys & Power Private Ltd (Suryadev TMT Bars), will be concurred for provisional approval subjected to fulfillment of following conditions: -

i) Submission of MTC (Manufacturer Test Certificate) along with Third party Test reports from NABL accredited Laboratory for each material / product & for each project as per IS 1786:2008 reaffirmed 2017 particularly for each lot.

ii) Field tests of individual batch / lots to be carried out before allowing the material / product to be used.

iii) Only fresh materials / products from the source be supplied at site.

iv) Any material / product not meeting out the prescribed standards should not be put to use.

vi) The records of all material / product should compulsorily be kept as a separate record with the concerned authorities before use of material / product in NHAI projects.

In the view of above, the products of M/s Suryadev Alloys & power private limited may be procured a least quantity from each dia of TMT Bars for sampling purpose to conduct third party tests only & concessionaire is requested to plan a factory visit to evaluate its capacity to supply to the project as well as to conduct the conformity tests in its Inhouse lab to render provisional approval till the concessionaire submits the Third-party test reports for fulfilment of conditions mentioned in office memorandum (Modified): NHAI/TIC/PQ/2012-13/445/E-File2252 dated 28.02.2024

Thanking and assuring you of our best services always.

Yours faithfully,

For M/s Chaitanya Projects Consultancy Pvt. Ltd. in JV with
M/s FP India Project Management Consultancy Services Pvt. Ltd. in association with
M/s Shree Bhawani Consultancy Service Pvt. Ltd.

S. S. Beh
TEAM LEADER
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SBCSPL
Bangalore - Vijayawada Pkg - II

Copy to: The Project Director, PIU Kadapa for your kind information please.


CHAITANYA

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Shree Bhawani Consultancy
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SBCSPIL

PROJECT SITE OFFICE:
 DO No. 15/529-2 K. Appaya Pali,
 Kamalapuram, Kadapa - 516269,
 Andhra Pradesh
 Email: lbvpkg2@gmail.com

Ref: IE/BV/Pkg-II/2023-24/Pkg-4/333
Date: 14.07.2024
To
The Authorized Signatory

 M/s Bengaluru-Vijayawada Expressway Package-4 Limited,
 Plot No.5, Inside Govind Narayan Singh Gate,
 Chuna Bhatti, Kolar Road,
 Bhopal-462016,
 Phone No: 0755-402999.

Sub: Consultancy Services for Independent Engineer Services for Supervision of Development of Six-Lane Access Controlled Greenfield Highway from Odulapalli (Ch. 72+000) to Nallacheruvupalli (Ch. 96+300) of Bengaluru-Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-I in the state of Andhra Pradesh (Package-4)-
Observations on Submission of Credentials of M/s Suryadev Alloys & Power Private Ltd for source Approval- Reg.
Ref:-1.Concessionaire Ltr. No BVEP4L/NHAI/BAN-VIJ/PKG-04/2023-24/451 Dated 13.04.2024
2.NHAI Office Memorandum (Modified): NHAI/TIC/PQ/2012.3/445/e-File2252 Dated 28.02.2024.

Dear Sir,

In accordance with aforesaid subject & Lt No:1 Concessionaire has submitted products/source approval to procure the materials from M/s Suryadev Alloys & Power Private Ltd(Suryadev TMT Bars), Sl.No.298/2, New Gummidipoondi, Gummidipoondi Taluk, Thiruvallur Dist.Tamilnadu-601201 and to use in above mentioned subject project.

2.Again, on the basis of the office Memorandum u/r letter no.2, the aforesaid brand is not in approval list.

3.In view of that IE has examined the credentials of the Suryadev TMT Bars of M/s Suryadev Alloys & Power Private Ltd& Observations are as follows:

a.Bureau of Indian Standards (BIS) certificate for Carbon steel cast billet ingots, blooms & slabs for re-rolling into steel under IS 2830:2012 & High Strength Deformed Steel bars & wires for Concrete Reinforcement under 1786:2008 are valid up to dated 31.07. 2025. Similarly, BIS for Hot Rolled Medium & High Tensile Structural Steel under IS 2062:2011 valid up to dated 01.03.2027.

b. Certificates towards Environment Management system ISO 14001:2015 is valid up to dated 22.11.2024, Quality Management System ISO 9001:2015 valid up to dated 11.09.2025 and Health & safety Management system ISO 45001:2018 are valid till 23.09.2025 for Integrated Steel Plant manufacturing M.S. Billets/CRS Billets, Quenched & Self Tempered Bars and High Strength Corrosion.

c.The manufacturer has Thermax QST Licence for its Rolling Mill-1 to produce High Strength Thermax Quenched & Self Tempered(QST) Rebars having Mechanical Properties as per IS1786:2008(Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe415D, FE500 FE500D in sizes 8 to 32mm and for Rolling Mill-2 to produce High Strength Thermax Quenched & Self Tempered(QST) Rebars having Mechanical Properties as per IS1786:2008(Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe415D, Fe500, Fe500D, Fe550, Fe550D in sizes 8 to 40mm valid up to 31.03.2025.

d.The Credential of the manufacturer includes its product Range towards Fe550, Fe550D, Fe550D(CRS), Sponge Iron, Mild Steel Billets, Mild Steel rounds.

e.The profile of the manufacturer shows that all Quality Assurance Process in DRI Plant, Steel Melting Plant, Rolling Mill are undertaken by the manufacturer.

f.The manufacturer has submitted Quality Plan of DRI, SMS, RM divisions separately for different raw materials with sampling frequency which justifies the Quality Consciousness of the Company.

g.The Profile of the manufacturer includes Provisional as well as Final Source approvals from NHAI Consultants, PIU:Chennai-1, Chennai Metro Rail Limited, WAPCOS Limited, Public Works Department, Tamilnadu & Tamilnadu Housing Board after conduction of Factory Visit & witnessing Third Party Tests as per IS 1786:2008 & Clause 1009 of MoRT&H 5th Revision.

h.The manufacturer has submitted Purchase Orders from different Concessionaire also.


CHAITANYA
PROJECTS CONSULTANCY (P) LTD.
(An ISO 9001:2015 Certified Company)

CORPORATE OFFICE:
101, 1st Floor, Tower No. 3,
Okaya Centre, Block-B,
Sector-62, Noida-201301

 in JV with **FP India Project Management** (in Association
Consultancy Services Pvt. Ltd. with)

 +91-95894 06224
+91-755-4282768
ieho.bengaluru@cpemail.in
iebvpkg2@sbcspl.com

Shree Bhawani Consultancy
Services Pvt. Ltd. **SBCSPL**
PROJECT SITE OFFICE:
DO No. 15/529-2 K, Appaya Pali,
Kamalapuram, Kadapa - 516289,
Andhra Pradesh
Email: tibvpkg2@gmail.com

i. Third Party Test Reports of TEST 2 Build & Omega Inspection & analytical Laboratory (both NABL accredited lab.) on TMT Steel bars towards both Physical & Chemical tests for different dia of 8mm to 32mm.

In view of the above, the product of M/s Suryadev Alloys & Power Private Ltd (Suryadev TMT Bars), will be concurred for provisional approval subjected to fulfillment of following conditions:-

- i) Submission of MTC (Manufacturer Test Certificate) along with Third party Test reports from NABL accredited Laboratory for each material / product & for each project as per IS 1786:2008 reaffirmed 2017 particularly for each lot.
- ii) Field tests of individual batch /lots to be carried out before allowing the material / product to be used.
- iii) Only fresh materials / products from the source be supplied at site.
- iv) Any material / product not meeting out the prescribed standards should not be put to use.
- vi) The records of all material / product should compulsorily be kept as a separate record with the concerned authorities before use of material / product in NHAI projects.

In the view of above, the products of M/s Suryadev Alloys & power private limited may be procured a least quantity from each dia of TMT Bars for sampling purpose to conduct third party tests only & concessionaire requested to plan a factory visit to evaluate its capacity to supply to the project as well as to conduct the conformity tests in its Inhouse lab to render provisional approval till the concessionaire submits the Third-party test reports for fulfilment of conditions mentioned in office memorandum (Modified): NHAI/TIC/PQ/2012-13/445/E-File2252 dated 28.02.2024

Thanking and assuring you of our best services always.

Yours faithfully,

For M/s Chaitanya Projects Consultancy Pvt. Ltd. in JV with
M/s FP India Project Management Consultancy Services Pvt. Ltd. in association with
M/s Shree Bhawani Consultancy Service Pvt. Ltd.

TEAM LEADER

 CPCPL Jv with FP INDIA in ass
SBCSPL

Bangalore - Vijayawada Pkg - II

Copy to: The Project Director, PIU Kadapa for your kind information please.

**Dhruv Consultancy Services Ltd.**

Joint Venture with

G-Eng Advisory Services Pvt. Ltd.

Associate with

Kaius Consulting Pvt. Ltd.

501, Plot No. 67, Pujit Plaza, Opp. K - Star Hotel,
Sector-11, C.B.D. Belapur, Navi Mumbai - 400 614
Telefax No. +91 22 27570710, Mobile: - +91
9619497305 Website: www.dhruvconsultancy.in
Email ID: info@dhruvconsultancy.in,
services@dhruvconsultancy.in
CIN No. L74999MH2003PLC141887

Letter No. IE/DGKCSPL/NH-544G/RPINP3PL/Pkg -3/2024-25/88

Date: 10-05-2024

To,
The Authorized Representative,
M/s Rajpath Infracon NH-544G-PKG-3 Private Limited.,
Amar Business Zone, C-Wing, 13th Floor,
Office Nos.1302, 1303 and 1304,
Veerbhadra Nagar, Baner, Pune 411045, Maharashtra
E-mail: tech@rajpathinfra.com

Sub.: Development of Six-Lane Access Controlled Greenfield Highway from Vankarakunta (Ch. 45+700) to Obulapalle (Ch. 72+000) of [NH-544G] Bengaluru – Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-1 in the state of Andhra Pradesh (Package-3): **Concurring M/s Suryadev Alloys and Power Ltd, (Suryadev TMT) Gummidipoondi, Chennai as a Source for Sourcing Hysd steel reinforcement and Ms bars for using in the Project Highway - Reg.**

Ref.:

1. Your letter No: Raj Path/BV/Pkg-3/100/2024-25 Date: 09-05.2024
2. Plant visit on 30-04-2024.
- 3 Your letter No: Raj Path/BV/Pkg-3/165/2023-24Date: 29-02-2024
4. Office Memorandum (Modified) regarding Simplifying the process of product approval in NHAI, Dated of 24.02.2024.
5. MoT&h Circular No; RW/NH-34066/09/2017-S&R(B) dated 28-10-2020 and Amended on 12- 02-2021

Dear Sir,

The Third party report from NABL laboratory and Company profile & Technical brochure forwarded vide your letter @ ref. 1&3 has been broadly reviewed against the requirements envisaged under Morth clause 1009.3.1 and IS 1786.

The above Source was inspected jointly by the Concessionaire and Independent Engineer representative on 30-04-2024 as to the manufacturing process and found that Steel reinforcements were being produced through Integrated manufacturing process from Iron ore pellets to Sponge iron to Billets to final end product of Hysd bars using DRI plant, melting furnaces, Con cast plant and Thermex Quenching system and thus finding the manufacturing process requirements meeting the stipulations envisaged under the Morth Clause No. 1009.3.1 and MoRT&H Circular cited under ref.5 above.

In addition, the necessary physical and chemical tests were performed in the Plant in house laboratory and found satisfying the requirements stipulated under IS 1786.

ANR Residency, Flat No. 201,202and 302, Sai Sarva Dharma Colony Street Road, Prasanthnagar,
Sri Sathya Sai District, 515134, Andhra Pradesh. Email ID: tl.bengaluruviijayawadapkg1@gmail.com



As the above subject source is satisfying the requirements of MoRT&H clause 1009.3.1 and Morth circular , Independent Engineer is concurring for using the Steel reinforcement from the above subject source subject to continuous compliance of following QA/QC requirements.

1. MTC with invoice for each consignment shall be submitted
2. Each consignment shall be tested for properties as per the frequency stipulated under IS 1786 apart from conducting third party test from NABL accredited laboratory to check for consistency.
3. Only new steel shall be delivered at site
4. A register shall require to be maintained showing the daily receipt, consumption, balance and status of testing in addition to maintaining the files containing documents for correlation.
5. During the course of supply, if any consignment found not meeting the specification requirements, the supplied lot shall be removed from the site. This apart, if the products consistently found not satisfying the specification requirements, the concurrence given thus would be revoked.

Thanking you and always assuring you of our best services.

Yours Sincerely,

P. Jagan Mohan Reddy

Team Leader

For Dhruv Consultancy Services Ltd., Joint Venture with G-Eng Advisory Services Pvt. Ltd. Associate with Kaius Consulting Pvt. Ltd.,

Copy to: 1) The Project Director, NHAI, PIU-Kadapa, YSR District, Andhra Pradesh.
2) The Authorized Signatory, Dhruv Consultancy Services Ltd., Joint Venture with G-Eng Advisory Services Pvt. Ltd. Associate with Kaius Consulting Pvt. Ltd.



Dhruv Consultancy Services Ltd.

Joint Venture with

G-Eng Advisory Services Pvt. Ltd.

Associate with

Kaius Consulting Pvt. Ltd.

501, Plot No. 67, Pujit Plaza, Opp. K - Star Hotel,
Sector-11, C.B.D. Belapur, Navi Mumbai - 400 614
Telefax No. +91 22 27570710, Mobile: - +91
9619497305 Website: www.dhruvconsultancy.in
Email ID: info@dhruvconsultancy.in,
services@dhruvconsultancy.in
CIN No. L74999MH2003PLC141887

Letter No. IE/DGKCSP/LNH-544G/RPINP2PL/Pkg -2/2024-25/81

Date 10.05.2024

To,
The Authorized Representative,
M/s. Rajpath Infracon NH-544G-PKG-2 Private Limited.,
Amar Business Zone, C-Wing, 13th Floor,
Office Nos. 1302, 1303 and 1304,
Veerbhadr Nagar, Baner, Pune 411045, Maharashtra
E-mail: tech@rajpathinfra.com

Sub: Development of Six-Lane Access Controlled Greenfield Highway from Vanavolu (Ch.24+300) to Vankarakunta (Ch. 45+700) of [NH-544G] Bengaluru -Vijayawada Economic Corridor on HAM Mode under Bharatmala Pariyojana Phase-1 in the state of Andhra Pradesh (Package-2): **Concurring M/s Suryadev Alloys and Power Ltd, (Suryadev TMT) Gummidipoondi, Chennai as a Source for Sourcing Hysd steel reinforcement and Ms bars for using in the Project Highway - Reg.**

- Ref.:**
1. Your letter No: Raj Path/BV/Pkg-2/78/2024-25 Date: 09-05.2024
 2. Plant visit on 30-04-2024.
 - 3 Your letter No: Raj Path/BV/Pkg-2/161/2023-24 Date: 29-02-2024
 4. Office Memorandum (Modified) regarding Simplifying the process of product approval in NHAI, Dated of 24.02.2024.
 5. Mort&h Circular No: RW/NH-34066/09/2017-S&R(B) dated 28-10-2020 and Amended on 12- 02-2021

Dear Sir,

The Third party report from NABL laboratory and Company profile & Technical brochure forwarded vide your letter @ ref. 183 has been broadly reviewed against the requirements envisaged under Morth clause 1009.3.1 and IS 1786.

The above Source was inspected jointly by the Concessionaire and Independent Engineer representative on 30-04-2024 as to the manufacturing process and found that Steel reinforcements were being produced through Integrated manufacturing process from Iron ore pellets to Sponge iron to Billets to final end product of Hysd bars using DRI plant, melting furnaces, Con cast plant and Thermex Quenching system and thus finding the manufacturing process requirements meeting the stipulations envisaged under the Morth Clause No. 1009.3.1 and MoRT&H Circular cited under ref.5 above.

In addition, the necessary physical and chemical tests were performed in the Plant in house laboratory and found satisfying the requirements stipulated under IS 1786.

As the above subject source is satisfying the requirements of MoRT&H clause 1009.3.1 and Morth circular, Independent Engineer is concurring for using the Steel reinforcement from the above subject source subject to continuous compliance of following QA/QC requirements.

Page 1 of 2

ANR Residency, Flat No. 201, 202 and 302, Sai Sarva Dharma Colony Street Road, Prasanthigram,
Sri Sathya Sai District, 515134, Andhra Pradesh. Email ID: ti.bengaluru@vijayawadaapka@gmail.com



1. MTC with invoice for each consignment shall be submitted
2. Each consignment shall be tested for properties as per the frequency stipulated under IS 1786 apart from conducting third party test from NABL accredited laboratory to check for consistency.
3. Only new steel shall be delivered at site
4. A register shall require to be maintained showing the daily receipt, consumption, balance and status of testing in addition to maintaining the files containing documents for correlation.
5. During the course of supply, if any consignment found not meeting the specification requirements, the supplied lot shall be removed from the site. This apart, if the products consistently found not satisfying the specification requirements, the concurrence given thus would be revoked,

Thanking you and always assuring you of our best services.

Yours Sincerely,



Jagad Mohan Reddy

Team Leader

For Dhruv Consultancy Services Ltd., Joint Venture with G-Eng Advisory Services Pvt. Ltd. Associate with Kaius Consulting Pvt. Ltd.,

Copy to: 1) The Project Director, NHAI, PIU-Kadapa, YSR District, Andhra Pradesh.
2) The Authorized Signatory, Dhruv Consultancy Services Ltd., Joint Venture with G-Eng Advisory Services Pvt. Ltd. Associate with Kaius Consulting Pvt. Ltd.

NIPPON KOEI

in JV with

**NIPPON KOEI INDIA PVT. LTD.**
Consulting Engineers**STUP Consultants Pvt. Ltd.****aarvee associates**
architects engineers & consultants pvt. ltd**Supervision Consultancy Services for Construction of Chennai Peripheral Ring Road (Phase-I) Project**

Our Ref: CPRR-1/TPL-IAV-VOZ/2024/3233

Date: 21-05-2024

To:

TPL-IAV VOZ CPRR JV,
403, Kattur Road, Neithavoyal Panchayat,
Minjur, Tiruvallur (Dt),
Chennai - 601 203

Sub: Construction of Chennai Peripheral Ring Road Phase-I (Northern Port Access Road)/(NPAR) Connecting Ennore Port with Thatchur on AH-45 including Link Road to Chennai Outer Ring Road from NPAR - **Reinforcement Fe 500D CRS of M/s Suryadev Alloys and Power Pvt. Ltd. - Source Approval**

Ref: (1) Contract No. TNRDC/CPRR/JICA/T/002/2021 dt. 18-11-2021
(2) Contractor's Letter No. TPL/IAV VOZ/CPRR/JV/2893 dt. 07-05-2024
(3) Our Letter No CPRR-1/TPL-IAV-VOZ/2023/3185 dt. 13-05-2024
(4) Contractor's Letter No. TPL/IAV VOZ/CPRR/JV/2932 dt.16-05-2024

Dear Sir,

With respect to your letter reference (4) cited above, our Material Engineer has inspected the reinforcement manufacturing factory of Ms. Suryadev at Gummudipoondi along with your Material Engineer on 16-05-2024 and the following observations were made:

- (1) The plant located at Gummudipundi spread in around 250 acres.
- (2) It was established in the year 2006.
- (3) Plant consists of DRI unit, melting furnace, Rolling mill and TMT quenching system.
- (4) Sponge iron is being manufactured by procuring the raw material of Iron ore, coal and Dolomite in DRI unit.
- (5) Low alloys like Nickel, Manganese and copper etc., are being added to obtain the CRS steel.
- (6) Billets are being manufacturing by using Sponge iron in melting furnace.
- (7) Different diameter of reinforcements are being manufactured by operating the rolling mill by the using the billets.
- (8) TMT is being produced by Quenching system.
- (9) Establishments, operating system and quality control checked and found satisfactory.
- (10) Fe 550D CRS being produced at the time of visiting the plant and the same reinforcement has been sampled for 8 mm,16 mm, 20 mm, 25 mm, 32 mm and mechanical tests have been carried out and test results are found within the requirements of the Technical Specifications.
- (11) Chemical tests checked for sponge iron at in-house laboratory and found satisfactory.



NIPPON KOEI*in JV with***NIPPON KOEI INDIA PVT. LTD.**
Consulting Engineers**STUP Consultants Pvt. Ltd.****aarvee associates**
architects engineers & consultants pvt. ltd**Supervision Consultancy Services for Construction of Chennai Peripheral Ring Road (Phase-I) Project**

(12) Since all manufacturing units are located at the same premises and Iron ore is being used to produce the TMT reinforcement, it is considered as integrated plant.

By considering the above, the source approval is accorded for M/s Suryadev Alloys and Power Pvt. Ltd. reinforcement provided they fulfil the following:

- (1) Only FE500D CRS allowed to procure and it shall be complied with the drawing and Technical Specifications.
- (2) Every lot of procurement shall be tested at an approved NABL laboratory with the witness of the Engineer.
- (3) Procurement and test results of FE 500D CRS shall be complied with IS:1786-2008.
- (4) New steel only allowed to procure to site and if the procured lot contains any burnt or brittle bars the same lot shall be rejected.

Thanking you and best regards,

Yours faithfully,

For NK-NKI-STUP-IBI-Aarvee JV.



(Gangadharan C P)
Team Leader

Encl.: Test Reports and Photos

Cc: (1) Chief General Manager, TNRDC, Chennai
(2) Resident Engineer, CPRR Project, NK-NKI-STUP-IBI-Aarvee JV, Minjur, Chennai



**Intercontinental Consultants
and Technocrats Pvt. Ltd**

(An ISO 9001:2015 Certified Company)
(Innovative, Creative & Technologically Sustainable Infrastructure Solutions)

In association with:



Mukesh & Associates
consultants & engineers

■ Architecture ■ Engineering ■ Planning

**TNRIDC - CPRR - Construction Supervision Consultancy (CSC) Services for
Chennai Peripheral Ring Road Section II (CSC 01)**

ICT&M&A/TNRIDC/CPRR/Section II/CSC 01/SPK/375

30.04.2024

To,
Managing Partner,
SPK AND CO.
959/3D, Kannigaiper village,
Kannigaiper Uthukottai taluk,
Tiruvallur District – 601 102.

Subject: TNRIDC – Chennai Peripheral Ring Road – Section-2 - Formation of new six lane road from Thatchur (Design Chainage: 21+700) to Punnappakkam (Design Chainage: 35+000) with paved shoulders and two-lane service road on both sides in Section-2 of Chennai Peripheral Ring Road Project with a total length of 13.30 km under Package-01 on Engineering, Procurement and Construction (EPC) Mode including maintenance for 7 years. **Submission of third-party test reports for TMT steel and source approval (M/s. Suryadev Alloys and Power Pvt Ltd) – Reg.**

Ref:

1. Contract Agreement Dt:01.09.2021
2. TNRIDC/CPRR/Section-II/EPC-01/2020/3 Dt:03.01.2022
3. SPK/CPRR/EPC-01/2023/AE/348 Dt: 24.01.2024
4. SPK/CPRR/EPC-01/2023/AE/378 Dt: 26.04.2024

Dear Sir,

With reference to above mentioned letter under reference at Sr.no.03 submitted credentials of M/s. Suryadev Alloys and Power Pvt Ltd. and further submitted third party test result vide letter under reference Sr.no.04. Based on the factory inspection by Authority's Engineer along with contractor representative, third-party test conducted on jointly collected sample report certificate found in order, these are conforming to the specification requirements of IS-1786:2008.

Hence, we are here with according the source approval with following conditions.

Wjs



Innovative, Creative & Technologically Sustainable Infrastructure Solutions

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Tel.: +91-11-40863000 Fax :+91-11-26855252
Email : contracts@ictonline.com Website : http://www.ictonline.com

Site Office Address :
No. 148, Sai Kannan Homes
Madharavaram, Tiruvallur,
Tamilnadu - 601204
Email: tl.chennai@ictonline.com

**Intercontinental Consultants
and Technocrats Pvt. Ltd**

(An ISO 9001:2015 Certified Company)

(Innovative, Creative & Technologically Sustainable Infrastructure Solutions)

In association with:

**Mukesh & Associates**
consultants & engineers

■ Architecture ■ Engineering ■ Planning

**TNRIDC - CPRR - Construction Supervision Consultancy (CSC) Services for
Chennai Peripheral Ring Road Section II (CSC 01)**

1. You are requested to submit Physical and Chemical test results of the steel sample jointly collected with Authority's Engineer Representative conducted by NABL accredited laboratory before using in permanent work.
2. The manufacturer's test certificates shall be submitted with each lot arrives to the site.
3. For every lot procured from the supplier sampled pursuant to the specifications (IS 1786:2008) get tested for physical and Chemical tests at Independent Laboratory for the confirmation.
4. If contractor fails to comply with any of the above conditions, the given approval for above mentioned source shall be withdrawn with immediate effect.

This is for your kind information and necessary action.

Thanking You,

**For, Intercontinental Consultants and Technocrats Pvt. Ltd.
in Association with Mukesh & Associates**



(Vijay Srivastava)
Team Leader Cum Authority Engineer, ICT

**Copy To:**

1. The Executive Director, TNRIDC, Chennai
2. The Superintending Engineer, TNRIDC, Chennai
3. The Divisional Engineer, TNRIDC, Chennai
4. Authority Engineer Dr. Mahesh ICT Pvt. Ltd, New Delhi
5. M/s. Mukesh Associates, Salem
6. Resident Engineer – EPC 01– For Information and necessary action please.



LEA Associates South Asia Pvt. Ltd.

No. 1A, Bharathi Street. VGP Nagar,

Mogappair West, Chennai - 600 037

Mob. No: 9008270385 / 7760972565

Email: chennaielevatedcorridor@lasaindia.com, www.lea.ca

Corporate Identification Number: U74899DL1993PTC055750

LASA/73910/AE/PKG 1-4/2024/114

Dated: 09-07-2024

To,
The Authorized Signatory,
M/s J Kumar -AzVirt (JV).
Prakash Towers, 2nd Floor, No-1,
Mettukuppam Main Road
Maduravoyal, Chennai-600 095.
Email: jkchennai2023@gmail.com

Subject: Construction of New Double Tier 4-Lane Elevated Corridor from Chennai Port to Maduravoyal in Chennai District from -0+342 Km to 20+593 Km on EPC mode under Bharatmala Pariyojana in the State of Tamil Nadu. – Review of Factory Inspection Report of M/s. Suryadev Alloys & Power Pvt. Ltd., for Source Approval of Steel (TMT) – Reg.

Ref:

1. JKIL/CPC/PKG 1-4/AE/2024-25/048 Dated 03-07-2024.
2. JKIL/CPC/PKG 1-4/AE/2024-25/031 Dated 25-05-2024.
3. LASA/73910/AE/PKG1-4/2024-25/075 Dated 09-05-2024.
4. NHAI/11013/34/2023/PIU-Chennai/1836 Dated 11-12-2023.

Dear Sir,

With reference to letter cited above, we have reviewed the Credentials of "M/s SURYADEV ALLOYS and POWER Private Limited" Reinforcement Steel. Accordingly, Authority Engineer have conducted factory visit and witnessed in-house testing. The physical and chemical tests conducted on the samples at factory along with MTC and third-party test report from NABL accredited laboratory found confirming to specifications and standards as per IS 1786:2008. This office informs that Reinforcement steel Fe-550 D manufactured by "M/s. SURYADEV ALLOYS and POWER Private Limited" is permitted to be used in the construction of the subject project.

The approval accorded for "M/s SURYADEV ALLOYS and POWER Private Limited" reinforcement steel Fe-550 D is subject to the fulfillment of following conditions.

1. The steel is to be produced from billets manufactured directly from iron ores as per clause No. 1009.3 of MoRTH specifications and IS 1786: 2008.
2. Only fresh material/product from the source shall be supplied at the site.



CANADA | INDIA | ASIA | AFRICA | MIDDLE EAST

3. Each bar shall be inspected before assembling on the work and defective, brittle or burnt bars shall be discarded. Also, bars with Cracked ends shall be Discarded.
4. Each lot/consignment of steel received at site shall be accompanied with the manufacturer's test certificate (MTC) and should be submitted to the Authority's Engineer.
5. Additionally, if required by the Authority's Engineer, the contractor shall carry out confirmatory test. Cost of these tests shall be borne by the contractor.
6. The above source of reinforcement steel shall meet all the requisite standards and specifications of MORTH Clause no. 1600, IS: 1786 – 2008 and relevant codes.
7. Field test of individual batches/lots to be carried out before allowing the material/product to be used.
8. Any lot not meeting the prescribed standard, no re-testing shall be done and the lot shall be rejected.
9. All the records of all material/product delivered should compulsorily be maintained and accessible for our verification any time at site.
10. If any inconsistency in the performance of the product, the source will be deemed as rejected and the stock needs to be removed from the site immediately.

Please note:

The right to reject the above source approval without prior notice is hereby reserved if it is found that the material has failed to comply with the specifications or the above conditions.

This is for your kind information and necessary action, please.

Thanking you.

Yours sincerely,

For LEA Associates South Asia Pvt. Ltd.



(M. V. Jadhav)

Team Leader cum Senior Bridge Engineer

Copy forwarded to the following for information please:

1. The Project Director, NHAI, PIU-Chennai-1.
2. Authority Engineer, LEA Associates South Asia Pvt. Ltd., New Delhi



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport & Highways)



परियोजना कार्यान्वयन इकाई - चेन्नई - I
Project Implementation Unit - Chennai - I
5th मंजिल, सी एम आर एल बिल्डिंग, पूनमल्ली हाई रोड, कोयम्बेडु, चेन्नई - 600 107
5th Floor, CMRL Building, Poonamalle High Road, Koyambedu, Chennai 600 107
दूरभाष / Phone: 91- 44 - 2225 1885
ईमेल / E-mail : chennai@nhai.org / chennaipiu@gmail.com

NHAI/11013/34/2023/PIU,Chennai/ 1836

11th December 2023

To

The Project Director,
M/s.J.Kumar -Azvirt (JV),
Prakash Towers, 2nd Floor,
Maduravoyal Village,
Saidapet Taluk, Virugambakkam District,
Chennai - 600 092

Sir,

Sub : NHAI, PIU, Chennai-I - Construction of New Double Tier 4-lane Elevated Corridor from Chennai Port to Maduravoyal in Chennai District from Km -0+342 to Km 20+593 under Bharatmala Pariyojana in the state of Tamil Nadu - Package I - IV
Source approval Reinforcement steel make Suryadev - reg

Ref: M/s.J.Kumar Infraprojects Ltd., letter No. JKIL/CHENNAI/NHAI/PKG-1 to IV/2023-2024/13 dt.30.11.2023

This is with reference to your letter cited above wherein the credentials of Reinforcement steel make Suryadev is submitted for review and source approval in the subject project.

2) In this regard, it is to inform that the Credentials of the aforesaid steel brand has been scrutinized and found in order. Hence the reinforcement steel from M/s.Suryadev is in-principally approved as a Source subject to the following Conditions:

- The steel is to be produced from billets manufactured directly from iron ores as per Clause 1009.3 of MoRTH Specifications and IS:1786.
- The Manufacturer's Test Certificate (MTC) shall be submitted to Authority's Engineer for every consignment/lot received at site. The certificates shall cover all the tests for chemical and physical properties.

[Contd...2]

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ex:usnagusha@levalandjy.kornet.info@pobox.net, Nlettter.docx



Independent Engineer for 4-Laning of Madathukulam-Pollachi section of NH-209 (New NH-83) under Bharatmala Pariyojana Phase-I under the category of Residual Works of NHDP on HAM in the State of Tamil Nadu

Letter No. AA/HW/DPJ/M-P/2357/2023-24/1664
Date: 20th January 2024

To,
The Authorised Representative
DPJ Pollachi HAM Project Private Limited
Anthiyur, Pollachi (Tk), Coimbatore (Dt)-642 102

Sub : Four Laning of Madathukulam to Pollachi section of NH-209 (New NH-83) from Design Km. 74.380 to Km. 116.950 (Length = 50.078 km) under Bharatmala Pariyojana Phase-I under the category of Residual Works of NHDP on HAM in the State of Tamil Nadu – **Submission of Credentials of M/s. Suryadev Alloys and Power Pvt. Ltd., for Source approval, for procurement of TMT Steel Bars – reg.**

Ref : 1. Your letter No DPJ/HAM/Pollachi/IE/2023-24/2611 dated 08.01.2024
2. Consultancy Agreement signed on 24.08.2020

Dear Sir,

This is with reference to your letter no.2611, 2nd cited, regarding the submission of Profile and Credentials of M/S. Suryadev Alloys and Power Pvt. Ltd., Chennai, and requesting for Source Approval, to procure TMT Steel Bars.

Based on the latest Circular RW/NH-34066/09/2017-S&R(B) of MORT&H dated 12th February 2021, the Senior Quality cum Material Expert of IE has attended for the factory visit along with your AGM, Quality Control Mr. Srinivas Reddy at M/S. Suryadev Alloys and Power Pvt. Ltd., Chennai on 12.01.2024. *(Test reports & Photos enclosed).*

The Production process of TMT steel is found satisfactory and noted that the factory having in-house testing laboratory. Also witnessed the Mechanical and Chemical tests conducted on the samples of TMT steel at factory as well as third party laboratory found confirming to IS 1786: 2008.

Therefore, we herewith provisionally approving the source **M/S. Suryadev Alloys and Power Pvt. Ltd., Chennai** to procure the TMT reinforcement Bars with the following conditions:

1. As per the latest MORT&H Circular (RW/NH-34066/09/2017-S&R(B)), the Project corridor falls under seismic zone III, hence TMT steel bars shall possess the following properties:
 - a. TMT Steel Bars of minimum elongation 14.5% shall be used.


Project Office : #3/506 D, Souparnika Layout, S.V. Puram, Udumalaipet - 642128, Tirupur Dist, Tamil Nadu.
Tel: 04252 - 225668; e-mail: IE2357madathukulam@aarvee.net

Head Office : Ravula Residency, Srinagar Colony Main Rd., Hyderabad - 500 082, India. CIN: U74200TG2005PTC045491
Tel. : 01 40 49492454, 02727422. Fax. : 01 40 02724977. e-mail: aarvee@aarvee.net; web: www.aarvee.com

- b. The actual 0.2% proof strength of steel bars based on tensile test must not exceed their characteristic 0.2% proof strength by more than 20%.
 - c. The ratio of the actual ultimate strength to the actual 0.2% proof strength or yield strength shall be at least 1.15.
2. Each consignment delivered to site shall accompany with valid Manufacturing Test Certificate (MTC) and submit the copy for IE's review and record.
3. Only new steel shall be delivered to the site.
4. Reinforcement bars with "defective, brittle or burnt, with cracked ends" shall be discarded.
5. Samples of each lot/consignment shall be collected jointly in presence of IE's representative and to be tested in the NABL Accredited laboratory only as a third party check as per IS 1786-2008.
6. Material/Reinforcement shall be incorporated in the works only after the confirmation of Mechanical and Chemical Properties (based on third party test reports) satisfying the requirements of IS 1786-2008.
7. reinforcement Bars shall be stored and protected properly as per Cl. 1603 of MORT&H Specifications.
8. The approval can be canceled at any time if the third party test results/ quality of the product not meeting the specification requirements.

Thanking you and assuring you the best of our Services at all times.

For Aarvee Associates Architects Engineers & Consultants Pvt. Ltd.,


K V Narayana Reddy
Team Leader

Copy to:

1. The Project Director, NHAI, PIU, Dindigul.
2. The Engineer, Aarvee Associates Architects Engineers & Consultants Pvt. Ltd., Hyderabad

TES**T
E
S****Theme Engineering Services Pvt. Ltd.**No.01, School Street, Keezhakasakudy,
Karaikal-609609, Puducherry.Email id: nagapattinamtheme@gmail.com

CIN : U74210RJ2002PTC017485

Lr.No: THEME/NH-45A/WSNRPL/P -IV/21/4392**Date:** 18.12.2023

To,

The Authorized Signatory,

Welspun Sattanathapuram Nagapattinam Road project Pvt.Ltd,

T. Manalmedu Village,

Near Kalaimagal School,

Thirukkadaiyur - 609 311.

Project : Four Laning of Sattanathapuram to Nagapattinam (Design Ch. Km.123+800 to Km 179+555) section of NH-45A (New NH-32) in the State of Tamil Nadu under NHDP Phase-IV on Hybrid annuity Mode- **UPC: N/08019/04001/TN.****Subject :** **M/s. Suryadev Alloys and Power Private Limited - Factory Visit Report - Source Approval – Reg.****Ref :** Concessionaire letter no. WSNRPL/IE/2022-23/PRJ/1464 dated 13.12.2023

Dear Sir,

With reference to the above subject, the factory visit reports of M/s. Suryadev Alloys and Power Private Limited submitted by the Concessionaire for source approval are reviewed and found in order. The approval for the source is issued herewith.


However, as per NHAI office Memorandum dated 31.05.2023 regarding simplifying the process of product approval, the following conditions are to be strictly adhered:

1. MTC (Manufactures Test Certificate) along with the Third Party Test report from NABL accredited Laboratory for each material/product to be submitted.
2. Field tests of Individual Batch/lots are to be carried out before allowing the material/product.
3. Only fresh material/products from the source are to be supplied at site.
4. Any material/product not meeting out the prescribed standards should not be put to use.
5. The records of all material/product should compulsorily be kept as a separate record.

This is for your information and necessary action.

Yours faithfully,

For Theme Engineering Services Pvt. Ltd.,


(Joy Abraham)
Team Leader.**CC:** The Project Director, National Highways Authority of India, PIU, Puducherry.

Page 1 of 1



वाष्कोस लिमिटेड
WAPCOS LIMITED

(भारत सरकार का उपक्रम)
जल शक्ति मंत्रालय
(A Government of India Undertaking)
Ministry of Jal Shakti



No: WAP/KIIFB/SPVH/2024/01-00

10.01.2024

M/s Heather constructions

TC 9/1775(2)

Pattanikunnu Lane

Sasthamangalam

Thiruvananthapuram

Sub: "Development of District Hospital at Chengannur in Alappuzha District- -
Approval for usage of Suryadev TMT bar: reg.

Ref:

1. G.O (Rt) No.175/2020/H&FWD dated 23.01.2020
2. LoA No. WAP/KIIFB/SPV/DHC/2021/53 dated 16.01.2021
3. Letter No. 129/HC/WAPCOS-CNGR/70/2019-20 dated 09.10.2023
4. Note no. 2024-22 dated 02.01.2024 (File No. D/132/2024-O/o ED (INFRA) Computer No. 58335)

Sir,

With reference to the subject matter, you had requested for inclusion of an additional Reinforcement steel brand ie. Suryadev TMT bars vide ref (3) (for dia 8mm, 12mm & 16mm) for the subject project.

This is to inform you that approval has been accorded for the usage of Suryadev TMT bars (for dia 8mm, 12mm & 16mm) subject to the following conditions:

1. The Contractor shall maintain quality of deliverables as per stipulated standards
2. Mandatory qualitative checks shall be carried out as and when required.
3. Performance tests shall be conducted at NABL accredited laboratory from time to time as per the standard practice/ codes.
4. The vendor shall get the samples of steel from site tested from M/s Cochin Shipyard, Ernakulam. Incase the results are not satisfactory, the approval shall stand cancelled and the contractor shall redo the work at site at his risk and cost with other approved makes.
5. The approval will stand automatically cancelled in case of negative feedback or deterioration in quality.
6. All the expenses towards testing as directed by EIC/ PM shall be borne by the contractor without any objection.

WAPCOS will reserve the right to suspend the usage on the basis of review every time.



Regional Office: 1st Floor, JP Krishna Building, Pallimukku, Pettah, Trivandrum, Kerala-695024

Corporate Office: 76-C, Institutional Area, Sector-18, Gurgaon, Haryana – 122015

Email: kochi@wapcos.co.in, wapcostrivandrum@gmail.com

Website: <http://www.wapcos.co.in>, Tel: 0471-2998886

CIN : U74899DL1969GOI005070

The Contractor may note that Thermo Mechanical Treatment (TMT) bar only is to be supplied at the site as per IS 1786:2008 Annex A.

In case, the steel bar is manufactured through any other process (not as per IS 1786:2008), prior approval from KIIFB is to be taken regarding its acceptability before it is used at the site.

Thanking you.



For WAPCOS Limited


(Dr. B G Sreedevi)
Project Director

Copy to:

- The Regional Manager, WAPCOS Limited for kind information please
- The Project Manager, DH Chenganur, WAPCOS Limited for necessary action please

TAMILNADU TRANSMISSION CORPORATION LIMITED

From

Er.R. Thangachamy, B.E, M.I.E
Chief Engineer, Civil,
Transmission, 4th Floor, Northern wing,
TANTRANSCO Building,
144, Anna Salai, Chennai-600002.

To

M/s. TransGlobal Power Ltd.,
1321/A 15th cross
Giri Nagar 2nd stage,
Bangalore-560085
Fax-080-40558895

Lr.No. CE/C/TR/SE/C-II/TR/EECI/EE/NI/C/F.Specn.T-37/D, 2037/24,
Dt: 20.04.2024

Dear Sirs,

Sub: M/s. TransGlobal Power Ltd., Bangalore-85 In their Lr.No. TGPL/TANTRANSCO/T-37/2023-24/085 dated 28.03.2024 vendor approval for the procurement of TMT Steel materials M/s. Suryadev Alloys and Power Private Limited., No. 298/2, New Gummidipoondi, Gummidipoondi Taluk, Tamil Nadu, Thiruvallur District – 601201 - For use in the transmission line erection of 230 KV line (three/four circuits with ACSR zebra conductor on multi-circuit tower for evacuation of power from the proposed Kundah Pumped Storage HEP to proposed Parali 400KV SS(New corridor up to PH2 and existing corridor from PH2 to proposed Parali 400 KV SS) and dismantling of existing 230KV SC line from PH2 to PH3 under total turnkey contract under specification T-37 – Approval – Reg.

Ref: 1. LOA: CE/C/TR/SE/CII/TR/EE4C/EE(NI)/F.Spenc.T-37/LOA/D 1547/21 dt. 19.08.2021.
2. Lr.No. TGPL/TANTRANSCO/T-37/2023-24/085 dated 28.03.2024

Based on the documents furnished by you vide reference (2) cited approval is accorded for the procurement of TMT Steel materials from the sub vendor M/s. Suryadev Alloys and Power Private Limited., No. 298/2, New Gummidipoondi, Gummidipoondi Taluk, Tamil Nadu, Thiruvallur District – 601201 for the use in the transmission line covered under specification No. T-37.

This approval does not absolve you from fulfilling the contractual obligations and terms and conditions of the contract agreement against Specification No. T-37.

The receipt of this letter may be acknowledged.

Superintending Engineer/Civil/Tr
For Chief Engineer/Civil/ Transmission
Chennai – 2



Chennai Metro Rail Limited

(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

T. Livingstone Eliazer
Chief General Manager (PP & D)

Tel: 044 2379 0002
livingstone.eliazer@cmrl.in

Lr. No. CMRL/CON/DES/274/2021

Date: 28.12.2021

TO WHOMSOEVER IT MAY CONCERN

Sub: Approval to use Suryadev TMT Bars in CMRL Projects – Reg

CMRL has "No objection" in usage of M/s Suryadev TMT Bars by the contractors for Chennai Metro Project, provided the quality of the products meet the specifications as stipulated in the Contract.

The approval is subject to the following conditions.

1. This approval is here by accorded on the condition of maintaining of quality as per stipulated Standards
2. Mandatory quality checks will be carried out as and when required so as to satisfy the qualitative requirements
3. Satisfactory performance tests to be conducted at site/approved laboratory initially & from time to time as per standard practice / codes and also as directed by the Engineer in-charge
4. In case of negative feedback or deterioration in quality, this approval will stand cancelled automatically.
5. CMRL reserves the right to suspend the usage on the basis of review any time.

However the above approval will not be binding on CMRL or their Contractors in any way for the usage of the above product in the project.

For Chennai Metro Rail Ltd.

T. Livingstone Eliazer
28/12/2021

CGM – Project Planning and Design

Copy to: DP/CMRL for kind information please.



GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT

CERTIFICATE OF PRODUCT APPROVAL

APPROVAL No. PWD / NPA-05B/75ASC/2022/dated 27.06.2022

The Assessment Committee constituted by the Government of Tamil Nadu vide G.O.Ms.No: 106 / Housing / dated 06.03.1975, under the Chairmanship of Engineer-in-Chief (Buildings), Public Works Department examined various aspects of the following products in its 75th meeting held on 24th March 2022 and have accorded approval.

Products / Product Range : "SURYADEV" TMT Bars - Fe 500D Grade (8, 10, 12, 16, 20, 25mm & 32mm dia.) - High Strength deformed steel bars and wires for concrete reinforcement.

Manufacturer / Company : Suryadev Alloys and Power Pvt. Ltd,
No. 497&498 Isana Building, 8th Floor,
Poonamalle High Road, Arumbakkam,
Chennai - 600106.

Location of Manufacturing Unit : No. 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur dist. - 601 201.

References : BIS License Number CM/L-6841985.

Standards/ Specifications : IS 1786:2008.

Limitations:

1. Approval is subject to validity and scope of BIS License for the product and compliance to the specification(s) mentioned.
2. Quality should be maintained conforming to the Test Results produced at the time of approval and relevant BIS Standards.
3. Any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate should be notified to the Assessment Committee, PWD, Government of Tamil Nadu, failing which TNPWD reserves the right to cancel the approval.
4. The certificate is valid from 27.06.2022 up to & inclusive of 26.04.2025 for a period of three years.



[Signature]
Member Secretary, Assessment Committee &
Superintending Engineer, PWD
Planning and Designs Circle (Buildings)
Chepauk, Chennai - 600 005.



GOVERNMENT OF TAMIL NADU
PUBLIC WORKS DEPARTMENT

CERTIFICATE OF PRODUCT APPROVAL

APPROVAL No. PWD/NPA-05A/75ASC/2022/dated 27.06.2022

The Assessment Committee constituted by the Government of Tamil Nadu vide G.O.Ms.No: 106 / Housing / dated 06.03.1975, under the Chairmanship of Engineer-in-Chief (Buildings), Public Works Department examined various aspects of the following products in its 75th meeting held on 24th March 2022 and have accorded approval.

- Products / Product Range :** "SURYADEV" TMT Bars - Fe 550 Grade (8, 10, 12, 16, 20, 25mm & 32mm dia.) High Strength deformed steel bars and wires for concrete reinforcement.
- Manufacturer / Company :** Suryadev Alloys and Power Pvt. Ltd,
No. 497&498 Isana Building, 8th Floor,
Poonamalle High Road, Arumbakkam,
Chennai - 600106.
- Location of Manufacturing Unit :** No. 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur dist. - 601 201.
- References :** BIS License Number CM/L - 6841985.
- Standards/ Specifications :** IS 1786:2008.

Limitations:

1. Approval is subject to validity and scope of BIS License for the product and compliance to the specification(s) mentioned.
2. Quality should be maintained conforming to the Test Results produced at the time of approval and relevant BIS Standards.
3. Any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate should be notified to the Assessment Committee, PWD, Government of Tamil Nadu, failing which TNPWD reserves the right to cancel the approval.
4. The certificate is valid from 27.06.2022 up to & inclusive of 26.06.2025 for a period of three years.



[Signature]
Member Secretary, Assessment Committee &
Superintending Engineer, PWD
Planning and Designs Circle (Buildings)
Chepauk, Chennai - 600 005.



TAMIL NADU HOUSING BOARD
CERTIFICATE OF PRODUCT APPROVAL/RENEWAL
File No. QC/ 0095A/2024 date 29.04.2024

The Chief Engineer, Tamil Nadu Housing Board has examined various aspects of the following product with reference to your letter dated Nil and has accorded **Renewal on 29.04.2024** for your "Suryadev Alloys and Power Pvt.Ltd.," The details are given below

Name of the Products/Product Range	::	1. "SURYADEV" TMT BARS Fe500 Grade TMT bars (8,10,12,16,20,25,32mm dia) – High Strength deformed steel bar and wires for concrete reinforcement. 2. "SURYADEV" TMT BARS Fe500D Grade TMT bars (8,10,12,16,20,25,32mm dia) – High Strength deformed steel bar and wires for concrete reinforcement. 3. "SURYADEV" TMT BARS Fe550 Grade TMT bars (8,10,12,16,20,25,32mm dia) – High Strength deformed steel bar and wires for concrete reinforcement.
Manufacturer Address(Company Address)	::	Suryadev Alloys and Power Pvt.Ltd., No.497&498 Isana Building, 8 th Floor, Poonamallee High Road, Arumpakkam, Chennai- 600 106.
Location of the Manufacturing Unit	::	No.298/2, New Gummudipoondi, Gummudipoondi Taluk, Tiruvallur District – 601 201.
Testing Agencies and Test Certificate Ref.	::	1. MSME Testing Centre, Test Report No. 23001605 to 23001611, dated 23.02.2023 (7Reports).
PWD Approval	::	1. Renewal No.PWD/RC-8/42 ASC-02/2022-10/dated 30.05.2022. valid upto 29.05.2025. 2. Approval No.PWD/NPA-05B/75ASC/2022/dated 27.06.2022. valid upto 26.06.2025. 3. Approval No.PWD/NPA-05A/75ASC/2022/dated 27.06.2022. valid upto 26.06.2025.
BIS License Number/Reference	::	CM/L- 6841985 dated 28.06.2022, Valid upto:31.07.2025
IS Standards/Specifications	::	IS-1786:2008.

Limitations:

This Approval is based on the PWD approval and Scope of BIS License for the product and Test Certificate for the above materials as per test report furnished.

1. Approval is subject to test report for the product and compliance to the specification mentioned.
2. Test results copy of the lot should be produced along with all supplies to TNHB site(adhering to the test result produced at the time of this approval).
3. If any change of materials, manufacturing process, quality control routines that may affect the validity of this certificate is found, it should be notified to The Chief Engineer, Tamil Nadu Housing Board who is empowered to cancel the use of the products in TNHB and hence its approval also.

ESTEEMED CLIENTS



CLIENTELE

ESTEEMED CLIENTS

 <p>Chennai Metro Rail Limited</p>	 <p>TAMILNADU PUBLIC WORKS DEPARTMENT</p>	 <p>NATIONAL HIGHWAY AUTHORITY OF INDIA</p>	 <p>சென்னை துறைமுகம் PORT OF CHENNAI पोर्ट आफ चेन्ने ISO 9001:2015 & ISO 9001:2008 Compliant</p>
 <p>एनपीसीआईएल NPCIL ATOMS IN THE SERVICE OF THE NATION न्यूक्लियर पावर कॉर्पोरेशन ऑफ इंडिया लिमिटेड Nuclear Power Corporation of India Limited</p>	 <p>INDIA CREATING WEALTH FOR WELLBEING</p>	 <p>SOUTHERN RAILWAY SERVES THE SOUTH LOOK AHEAD-LOOK SOUTH</p>	 <p>TAMIL NADU ELECTRICITY BOARD Powering the Progress of Tamil Nadu</p>
 <p>DISTRICT RURAL DEVELOPMENT AGENCY राज्य सेवा जल ओडिशा शासन</p>	 <p>TAMILNADU HOUSING BOARD</p>	 <p>ITD CEMENTATION</p>	 <p>R.P.P. Infra Projects Limited</p>
 <p>DRA EXPERIENCE NICE</p>	 <p>CCI CAMEO CONSTRUCTIONS & INFRASTRUCTURE</p>	 <p>KERALA WATER AUTHORITY</p>	 <p>KERALA PUBLIC WORK DEPARTMENT</p>
 <p>ANNAI INFRA DEVELOPERS LIMITED Formerly Annai Infra Developers Pvt Limited</p>	 <p>NAVIN'S The Home Makers Who Care</p>	 <p>RAMANIYAM ...dreams accommodated...</p>	 <p>MARUTHAM GROUP building values</p>
 <p>ADITYA INFRASTRUCTURE</p>	 <p>S.P.K. AND Co.,</p>	 <p>PRIYA</p>	 <p>aurobindo REALTY INFUSING LIFE TO SPACES</p>

SELECT PURCHASE ORDERS



ORDER TYPE	SBU & PROJECT NAME	ORDER NUMBER	ORDER DATE	AMENDMENT NUMBER	AMENDMENT DATE
PURCHASE ORDER	HEAVY CIV INFRA(HCI) Chennai UG06 (CMRL) G730	5500016760	17.06.2024		

ANNEXURE 1: SCHEDULE OF QUANTITY, ITEM AND PRICE

All Prices and Amounts in the below table are in (INR -Indian Rupee)

Sl.	Item Code	HSN / SAC Code	Tax Rate (%)	Item Description	UOM	Quantity	Unit Price	Tax Amount	Amount
40	2300151462	72141090	18.00	REINFORCEMENT STEEL,8MM,FE500D	TO	15.000	55,500.00	1,49,850.00	832,500.000
50	2300151465	72141090	18.00	REINFORCEMENT STEEL,12MM,FE500D	TO	45.000	54,000.00	4,37,400.00	2,430,000.000
60	2300151466	72141090	18.00	REINFORCEMENT STEEL,16MM,FE500D	TO	350.000	54,000.00	3,402,000.00	18,900,000.000
70	2300151444	72141090	18.00	REINFORCEMENT STEEL,20MM,FE500D	TO	55.000	54,000.00	5,34,600.00	2,970,000.000
80	2300151445	72141090	18.00	REINFORCEMENT STEEL,25MM,FE500D	TO	65.000	54,000.00	6,31,800.00	3,510,000.000
90	2300151461	72141090	18.00	REINFORCEMENT STEEL,32MM,FE500D	TO	550.000	54,000.00	5,346,000.00	29,700,000.000
Total Contract Price Excluding Taxes								INR	58,342,500.00
Total Taxes								INR	10,501,650.00
Total Contract Price Including Taxes								INR	68,844,150.00
Amount in Words: (INR -Indian Rupee) SIX CRORE EIGHTY EIGHT LAKH FORTY FOUR THOUSAND ONE HUNDRED FIFTY Rupees									

TATA PROJECTS LIMITED

One Boulevard 2nd 3rd & 4th Floor Lake Boulevard Street Powai Mumbai 400 076

Tel: + 91 22 6740 2900, Fax: + 91 22 2570 0174

e-mail: tplmumbai@tataprojects.com, www.tataprojects.com

Registered Office Mithona Towers -1 1-7-80 to 87 Prenderghast Road Secunderabad 500 003 Telangana, India

Tel: + 91 40 6623 8801, Fax: + 91 40 6617 2535, e-mail: tpl@tataprojects.com, www.tataprojects.com. CIN U45203TG1979PLC057431

TPL-IAV VOZ CPRR Joint Venture

One Boulevard, Third Floor, Lake Boulevard Street, Powai, Mumbai-400 076, India

ORDER TYPE	SBU & PROJECT NAME	ORDER NUMBER	ORDER DATE	AMENDMENT NUMBER	AMENDMENT DATE
PURCHASE ORDER	I320	5500020134	08.08.2024		

ANNEXURE 1: SCHEDULE OF QUANTITY, ITEM AND PRICE

All Prices and Amounts in the below table are in (INR -Indian Rupee)

Sl.	Item Code	HSN / SAC Code	Tax Rate (%)	Item Description	UOM	Quantity	Unit Price	Tax Amount	Amount
10	2300142564	72142090	18.00	REINFORCEMENT STEEL TMT, CRS, 16MM, FE 500D	TO	320.000	49,000.00	2,822,400.00	15,680,000.00
Total Contract Price Excluding Taxes								INR	15,680,000.00
Total Taxes								INR	2,822,400.00
Total Contract Price Including Taxes								INR	18,502,400.00

Amount in Words: (INR -Indian Rupee) ONE CRORE EIGHTY FIVE LAKH TWO THOUSAND FOUR HUNDRED Rupees

For TPL - IAV VOZ CPRR JV,
Authorised Signatory(ies)

**KEC International Limited**

8th Floor, Building No. 9 'A', DLF Cyber City Phase - III, Gurgaon - 122002, India.
Tel.: +91-124-6798655/777 • Fax +91-124-6798617/18 • Web.: www.kecrpg.com

PO No. CV-110/1004770384**Date: 26th July 2024**

M/s SuryaDev Alloys & Power Pvt Ltd
No. 298/2, New Gummdipoondi
Gummdipoondi Taluk
Thiruvallur Dist- 601201

GST No. 33AAKCS1246B1ZT

Contact No. 9944867679

Sub: Supply of Steel For CMRL-3

Ref No.: Your Quotation dated. 20-07-2024

Billing and Shipping Address

KEC International Ltd. Plot No. 19 & 20, Indira Priyadarshini Nagar, Perumbakkam, Chennai,
600100, India, 33-Tamil Nadu
GST No. 33AACCK5599H1Z9

Dear Sir,

This refers to telecom & your above offer letter/mail, we are pleased to place an order for supply of following material as per under mention terms:

S. No.	Particulars	Quantity	Unit	Unit Price	Amount (INR)
1	TMT 8 MM DIA Straight Length	5	MT	52700	2,63,500
2	TMT 10 MM DIA Straight Length	20	MT	51700	10,34,000
3	TMT 12 MM DIA Straight Length	100	MT	51200	51,20,000
4	TMT 16 MM DIA Straight Length	65	MT	51200	33,28,000
5	TMT 20 MM DIA Straight Length	50	MT	51200	25,60,000
6	TMT 25 MM DIA Straight Length	40	MT	51200	20,48,000
7	TMT 32 MM DIA Straight Length	40	MT	52200	20,88,000
	Total PO Qty.	320			16441500
		Freight			Inclusive
		Against CGST & SGST			29,59,470.00
Transport: The Rate Are Inclusive of Freight And Insurance					1.94,00,970

(Make/Brand Surya Dev Fe500D)

The Other terms & condition shall be as under:**1.Taxes & Duties:** GST @ 18 % Inclusive in Above Price

In case of denial of tax credit to KEC due to non-payment of GST or non-submission of GST return or mismatch details submitted by you or any other reason attributable to you, the corresponding amount will be recovered from you.


Benefit in your input cost due to GST implementation, assessed by you later, must be passed on to KEC fully in accordance with GST law.

Regd. Off. :CEAT Mahal, 1st Floor, 463, Dr. Annie Besant Road, Worli, Mumbai 400030, India.
Tel.: +91-22-6667 0200 • Fax +91-22-66670260 • Web.: www.kecrpg.com



PURCHASE ORDER

Page 1 of 4

	PO/WO No:6351006095 PO/WO Date:13.08.2024 Contact Person:Singhal Email:rahuldev_singhal@welspun.com	Corporate Office: Welspun Enterprises Limited, Welspun House, Kamala City, Senapati Bapat Marg, Lower Parel(W), Mumbai-400013 Tel: +91 2266136000 CIN: L45201GJ1994PLC023920 PAN No.: AABCM4107C
Vendor No :312052 Vendor Name :SURYADEV ALLOYS AND POWER PRIVATE L Address :GROUND FLOOR,298/2,NEW GUMMIDIPOONDI City :CHENNAI PIN :601201 State :Tamil Nadu Country :India Phone :+91 86898 62260 E-mail :VISHAL@SURYADEV.IN GST :33AAKCS1246B1ZT		Billing Address: 6412 EPC-SNRP Survey No 46/2C, 46/2D, Thirukkadayur Post, Tharangambadi Taluk, T Manalmedu Village NAGAPATTINAM, TAMIL NADU-609311 Tamil Nadu GST NO :33AABCM4107C1Z8

Dear Sir/Madam,

We are pleased to place our order for the following items subject to (1) attached annexure / terms and condition /instruction given here under, (2) mutually agreed standard terms and conditions of business already with you.

SNo	Item Code/ HSN Code	Item Description	UOM	Qty	Delv.Date	Rate	Basic Value (INR)
1	134410040003/ 72142090	BAR, REINFORCING, TMT STEEL, 12MM	TO	10.740	18.08.2024	48000.00	515520.00
						Gross Price	515520.00
						IN: Central GST	46396.80
						IN: State GST	46396.80
						Total Value	608313.60
2	134410040004/ 72142090	BAR, REINFORCING, TMT STEEL, 16MM	TO	11.540	18.08.2024	48000.00	553920.00
						Gross Price	553920.00
						IN: Central GST	49852.80
						IN: State GST	49852.80
						Total Value	653625.60
3	134410040006/ 72142090	BAR, REINFORCING, TMT STEEL, 25MM	TO	5.940	18.08.2024	48000.00	285120.00
						Gross Price	285120.00
						IN: Central GST	25660.80
						IN: State GST	25660.80
						Total Value	336441.60
4	134410060478/ 72142090	BAR, 32MM, TMT STEEL, R/F	TO	4.390	18.08.2024	49000.00	215110.00
						Gross Price	215110.00
						IN: Central GST	19359.90
						IN: State GST	19359.90
						Total Value	253829.80

For WELSPUN ENTERPRISES LIMITED

Authorised Signatory

Registered Office : Welspun City Village Versamedi, Taluka Anjar, Dist- Kutch,
Gujarat-370110 Tel: +91 2836 662222

SPL INFRASTRUCTURE PVT LTD

15, Kasturi Rangan Road, Alwarpet, Chennai, Tamil Nadu - 600018. GST:33AAICS0881N1ZZ

PURCHASE ORDER

Vendor Details :**SURYADEV ALLOYS AND POWER PRIVATE LIM**Ground floor, 298/2, New Gummidipoondi
Tamil Nadu - 601201

GST No : 33AAKCS1246B1ZT

PO NO : PO/03369/24-25Order Date : 05/08/2024Request No : REQ/03802/24-25CostCenter Name : TN-NH45A-SNRP-2021Vendor Bank Details:Account No : 067302000002354IFSC No : IOBA0000673Branch Name : RoyapuramBank Name : Indian Overseas BankDelivery Address :SPL Infrastructure Pvt Ltd, 294/3, 318, Nangur village,
Sirkazhi Taulk, Mayiladuthurai Dist
Mayiladuthurai Tamil Nadu
India
609109Contact Person: MurugadasContact No: 8072871244

Description	HSN Code	Qty	Unit	Rate	Tax	Amount
1 . 10mm TMT Fe500D	72142090	83.00	MT	48,000.00		3,984,000.00
2 . 12mm TMT Fe500D	72142090	182.00	MT	47,500.00		8,645,000.00
3 . 8mm TMT Fe500D	72142090	34.00	MT	49,000.00		1,666,000.00
4 . 16mm TMT Fe500D	72142090	34.00	MT	47,500.00		1,615,000.00
5 . 20mm TMT Fe500D	72142090	8.00	MT	47,500.00		380,000.00
Total :						16,290,000.00
SGST:9%(+):						1,466,100.00
CGST:9%(+):						1,466,100.00
Net Amount :						19,222,200.00

Rupees One Crore Ninety Two Lakhs Twenty Two Thousand Two Hundred Only

Purpose of Purchase -Terms & Conditions:

PURCHASE ORDER



B. G. Shirke Const. Tech. Pvt. Ltd.

Office & Factory : 72-76, Industrial Estate, Mundhwa, Pune 411036
Phone : 26708100, 26708208, 26708209, 26708317 Fax : 26875315
Email : purchase@shirke.co.in

TO,

Suryadev Alloys And Power Private Limited
Ground Floor, 298/2, Suryadev Alloys And Power Pvt Ltd New
Gummidipoondi 600057
GST NO:33AAKCS1246B1ZT

P.O. NO. : PO1424001035

Date : 03/05/2024

Requ. No. : PR1455000057

Date : 19/04/2024

SITE : 1424-Precasting Yard Chennai

DEAR SIR/MADAM,

- A] As an approved external provider you will execute the Purchase Order / Work Order as per specifications, quality, and workmanship according to the norms, terms and conditions.
B] For the GREEN supply, you will prevent the wastage of natural resources.
C] You will maintain the Fitness Certificate and PUC Certificate of your vehicle / machinery. This will be ensured at security gate of site.
D] You will follow all necessary safety precautions at site.
E] You will dispose of E-waste, batteries, hazardous waste like oil, empty containers of chemical and paint, to scrap agencies, approved by respective State Pollution Control Board.

Sr. No.	Description and Specification	Unit	Quantity	Rate (in INR)	Amount (in INR)
1	7214 - TMT STEEL 8.0 MM FE-500D (IN STRAIGHT) GRADE : FE-500D/FE-550D MAKE : SURYADEV.	MT	375.000	53900.00	20212500.00
2	7214 - TMT STEEL 10.0 MM FE-500D (IN STRAIGHT) GRADE : FE-500D/FE-550D MAKE : SURYADEV.	MT	30.000	52900.00	1587000.00
3	7214 - TMT STEEL 16.0 MM FE-500D (IN STRAIGHT) GRADE : FE-500D/FE-550D MAKE : SURYADEV.	MT	175.000	52400.00	9170000.00
4	7214 - TMT STEEL 20.0 MM FE-500D (IN STRAIGHT) GRADE : FE-500D/FE-550D MAKE : SURYADEV.	MT	280.000	52400.00	14672000.00
5	7214 - TMT STEEL 25.0 MM FE-500D (IN STRAIGHT) GRADE : FE-500D/FE-550D MAKE : SURYADEV.	MT	90.000	52400.00	4716000.00

SUB TOTAL

9% CGST

9% SGST

SUB TOTAL

CENTRAL GOODS AND SERVICE TAX

STATE GOODS AND SERVICE TAX

TOTAL VALUE

: 50357500.00

: 4532175.00

: 4532175.00

: 59421850.00

Terms :

Payment Term : 90 DAY INTEREST FREE CREDIT AGAINST LC FROM THE DATE OF DESP

01.MAKE : PULKIT FE- 500D/550D.

02.THE ABOVE PRICE IS INCLUSIVE OF LOADING CHARGES AND TRANSPORT CHARGES UPTO OUR PCY CHENNAI PROJECT.

03.SGST 9.00% AND CGST 9.00% EXTRA.OUR GST NO.SHOULD BE MENTIONED ON INVOICE.

04.PAYMENT TERMS : 90 DAYS INTEREST FREE CREDIT L.C.

05.TEST CERTIFICATES TO BE SUBMITTED ALONG WITH BILL OF EACH CONSIGNMENT.

06.TOLERANCE WILL BE ON NEGATIVE SIDE AS FAR AS POSSIBLE BUT WITHIN THE TOLERANCE LIMITS AS SPECIFIED IN IS-1786.

07.THE ABOVE QTYS ARE TENTATIVE AND MAY VARY +/- 5%. ADDITIONAL QTYS IF REQUIRED WILL BE SUPPLIED AT THE SAME AGREED PRICES AS MENTIONED ABOVE.



All Subject to Rajpur Jurisdiction
R.R. INDUSTRIAL CORPORATION (I) PVT. LTD.
 ULTIMATE SOURCE IN STEEL SUPPLY
 AN ISO 9001 : 2008 COMPANY

CIN No. : U52100GT2009PLC021207



Ref: RRIC/24-25/184

Dt. 31.05.2024

M/s.Suryadev Alloys & Power Pvt Ltd,
 Chennai

Email: vishal@suryadev.in

Kind Attn. Mr. Vishal Kumar Jha

Sub: Purchase Order for TMT Bars

Dear Sir,

In reference to the telecom you had with the undersigned, we have pleasure to place the order for purchase of TMT Bars as per details given hereunder:-

Sr.No	Particulars	Rate (MT)	Qty. (MT)	Length
1	TMT Bars 08 mm Fe 500D	53000	10	12 MTR FIX
2	TMT Bars 10 mm Fe 500D	52000	30	12 MTR FIX
3	TMT Bars 12 mm Fe 500D	51500	87	12 MTR FIX
4	TMT Bars 16 mm Fe 500D	51500	50	12 MTR FIX
5	TMT Bars 20 mm Fe 500D	51500	37	12 MTR FIX
6	TMT Bars 25 mm Fe 500D	51500	50	12 MTR FIX
	Suryadev TMT BARS	Total	264	With tc

The above rates are inclusive of Loading. GST extra as Applicable.

Transportation in Your scope till Sri Satya Sai site.

Payment: - AGAINST DISPATCH INVOICE COPY

Further we request you to please prepare the Bill as per details given hereunder:-

Buyer: M/s. R.R.Industrial Corporation (I)Pvt. Ltd,

Station Road, Telghani Naka

Raipur (C.G.)

GST No. 22AAECR4291B1ZS

Consignee: M/s. RAJPATH INFRACON PVT LTD

PKG-3 (CH NO 65 CAMP), SURVEY NO 604,605, Village -

KONDAGATTUPALLI, MANDAL - MUDIGUBBA, DIST - SRI

SATYA SAI , PIN CODE - 515511

GSTIN/UIN : 37AAACR8103Q1ZZ // PAN No.: AAACR8103Q

For, R.R.Industrial Corporation (I) Pvt Ltd



Authorized Signatory



Irulappasamy Thunai

GST : 33ABXFS5510P1ZG

S.P.K. AND Co.,

Reg. Off. 2/67, R.C. Middle Street, Keelamudimannarkottai, Kamuthi Taluk, Ramnad District- 623 603
Branch Off. 1-1-63/7, S.P.K. Complex, Ananthapuri Nagar 2nd Street, Madurai Road, Aruppukottai- 626 101.

To
Suryadev Alloys and Power Pvt Ltd
Chennai

02.08.2024

Kind Attention: Mr. Aashish Bhardwaj – Senior Manager
Mobile No: +91 89826 68911.

Sub: Purchase Order – Reg.
Site: CPRR.

BRAND	GRADE	SIZE	QUANTITY	Basic Rate Per MT	GST 18%	Total Price Including GST (In Rs)
Suryadev	Fe – 550D	08 mm	50.00 MT	49,000	8,820	57,820
Suryadev	Fe – 550D	10 mm	110.00 MT	48,000	8,640	56,640
Suryadev	Fe – 550D	12 mm	60.00 MT	47,500	8,550	56,050
Suryadev	Fe – 550D	16 mm	30.00 MT	47,500	8,550	56,050

Terms & Conditions:

Price : Including GST And Loading.
Payment : One Month from the Date of Delivery
Quality : Test Certificates will be issued along with delivery.
Delivery : Immediate On confirmation of Purchase Order.
Transport : Suryadev Scope.
Weighment : Any Public weigh bridge is acceptable.
Tolerance : + (or) - 5 Kgs per MT

Billing Address:

SPK AND CO, SF NO 959 /3D, Kannigaipair Village, Kannigaipair, Uthukkottai (Taluk),
Thiruvallur District – 601 102, Tamil Nadu. GST No: 33ABXFS5510P1ZG.

Delivery Address:

S.P.K. AND CO
Kannigaipair Village, Thiruvallur

Contact Persons:

1. Mr.Guruswamy - 9340084060
2. Mr.Senthil Raja – 9080279827.
3. Mr.Kannan – 9789921603
4. Mr.Ilayaraja – 8148464276.

SPK AND CO

Managing partner



PURCHASE ORDER



Ramalingam Construction Company Pvt Ltd

No.534 East Coast Centre Building

5th Floor Anna Salai

Teynampet

Chennai

GSTIN/UIN: 33AAECR2808N1Z9

State Name : Tamil Nadu, Code : 33

CIN: U45202TZ2008PTC014881

E-Mail : saravanan@ramalingam.in

Voucher Number : 263 Date : 16-8-2024
 Supplier's Ref/Order No. : RCCL/SURYADEV/002/24-25 Other Reference : Mr Aashish Bharadwaj - Sales Manager - 7845819671
 Despatched Through : Destination : RSKE

Supplier (Bill from)

SURYA DEV ALLOYS AND POWER PVT LTD

GROUND FLOOR, 298/2, NEW GUMMIDIPOONDI,
GUMMIDIPOONDI TALUK,

TIRUVALLUR, TAMILNADU-601201

GSTIN/UIN : 33AAKCS1246B1ZT

State Name : Tamil Nadu, Code : 33

Consignee (Ship to)

Ramalingam Construction Company (P) Ltd

SF No 323 & 325, Chennai To Bangalore NH

Ekanapuram Post/ Sriperumbudur taluk

Thandalam, Kancheepuram,

Tamil Nadu - 631553

Mr Yuvaraj - 79044 65735

Mr Rajesh - 94999 51218

GSTIN/UIN : 33AAECR2808N1Z9

State Name : Tamil Nadu, Code : 33

SI No	Description of Goods	GST Rate	Quantity	Rate	per	Amount
1	10MM TMT STEEL	18 %	60.000 MTS	47,200.00	MTS	28,32,000.00
2	12MM TMT STEEL	18 %	50.000 MTS	46,700.00	MTS	23,35,000.00
3	16MM TMT STEEL	18 %	100.000 MTS	46,700.00	MTS	46,70,000.00
4	20MM TMT STEEL	18 %	30.000 MTS	46,700.00	MTS	14,01,000.00
5	32MM TMT STEEL	18 %	40.000 MTS	47,700.00	MTS	19,08,000.00
	"SURYADEV" Brand Fe 550D Grade (40 Feet Straight Rod)					
						1,31,46,000.00
		CGST				11,83,140.00
		SGST				11,83,140.00
	Total		280.000 MTS			₹ 1,55,12,280.00

Amount Chargeable (in words)

E. & O.E

INR One Crore Fifty Five Lakh Twelve Thousand Two Hundred Eighty Only

Terms and Conditions:-

1. The above rates are inclusive of GST 18% and Delivery Charges.
2. Immediate Delivery.
3. Delivery with Test Certificates.
4. Payment 30 Days Credit.

Company's PAN : AAECR2808N

for Ramalingam Construction Company Pvt Ltd

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Authorised Signatory

This is a Computer Generated Document



Suroj Buildcon Pvt. Ltd.

210A, 1st Floor, 1st Cross, Ganesh Temple Road,
Magadi Main Road, Cholorpalva, Bengaluru.

PURCHASE ORDER

Supplier's Name : Suryadev Alloys And Power Private Limited		P O # CFB-PO-HO-240717005 17-Jul-24	
		Project : CINDA Foxconn B1 & B11 - Bangalore	
		Delivery Address : Suroj Buildcon Pvt. Ltd. C/o CINDA Engineering & Construction Pvt. Ltd., Doddagollahalli, Bangalore Rural,, -, Karnataka (India) 561205	
Address : Ground Floor, 298/2, Suryadev Alloys And Power Privet Limited, New Gummidipoondi, Gummidipoondi, Tiruvallur, Tamil Nadu, 601201 Contact Person : M.GAVASKAR Mobile : 9944867679 Email : gavaskar@suryadev.in		State : Karnataka GSTN : 29AASCS9512N1ZC	
		Contact : Mr.Messam Khan - 9833297765	
State : Tamil Nadu GSTN : 33AAKCS1246B1ZT		Billing Address : # 210A,1st Floor, 1st Cross, Ganesh Temple Road, Magadi Main Road, Cholurpalya, Bengaluru, Karnataka - 560023.	
Your Reference : Mail conf dt. 16.07.2024			
Client ref./ Lot # CFB-PO-HO-240713004			
Location : NA		State : Karnataka GSTN : 29AASCS9512N1ZC	

Item ID HSN Code	Item Description	Unit	Quantity	Rate	Disc.	Taxable Value	SGST	CGST	IGST	T C S	Amount
PR # MT081BST 72142090	CFB-MI-HO-240715001 TMT Steel 8 mm Suryadev Fe550 as per IS:1786.	MT	15.00	48305.09		724576.35	0.00	0.00	@ 18.00 % 130423.74	0.000 % 0.00	855,000.09
PR # MT083BST 72142090	CFB-MI-HO-240715001 TMT Steel 12 mm Suryadev Fe550 as per IS:1786.	MT	20.00	48305.09		966101.80	0.00	0.00	@ 18.00 % 173898.32	0.000 % 0.00	1,140,000.12
PR # MT076BST 72142090	CFB-MI-HO-240715001 TMT Steel 25mm Suryadev Fe550 as per IS:1786.	MT	80.00	48305.09		3864407.20	0.00	0.00	@ 18.00 % 695593.30	0.000 % 0.00	4,560,000.48
PR # MT085BST 72142090	CFB-MI-HO-240715001 TMT Steel 32 mm Suryadev Fe550 as per IS:1786.	MT	60.00	48305.09		2898305.40	0.00	0.00	@ 18.00 % 521694.97	0.000 % 0.00	3,420,000.36

						Total Value		9,975,001.05			
						Total Taxable Value :		8,453,390.75			
								0.00			
								0.00			
						IGST		1,521,610.33			
								0.00			
						TCS		0.00			
								0.00			
								0.00			
Add On's								0.00			
Transport : F.O.R. @ site / Inclusive.								0.00			
Other Charges : Unloading is in our scope.								0.00			
Total Add On's								0.00			
Rs. Ninety Nine Lakhs Seventy Five Thousand One and Paise Five Only.						Gross Value		9,975,001.05			

Delivery Schedule : On Or Before 17-Jul-24 Please supply immediately / urgently.
Payment Terms : Credit Period 45.00 days. 45 days PDC against supplied GST Invoice.

Prepared By adkulkarni 17-Jul-2024 13:06	Purchase (Authorised Sign.)	Approved By	Received & Accepted By Suryadev Alloys And Power Private Limited
Subject to Pune jurisdiction.			
Reg. Office : Bungalow No-6, Liberty Soiecity, Phase- I, North Main Road, Koregaon Park Pune Maharashtra (India) 411001 # Kindly mention Purchase Order ID on all documents like Delivery Challan/ Invoice			
Format : - / Issue : 0 / Revision : 0			

P O # CFB-PO-HO-240717005

Page 1 of 2

adkulkarni

17-Jul-2024 13:13

17-Jul-24

13:13:13

SiteMIS

TEST CERTIFICATES





भारत सरकार
Government of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
चेन्नै - 600 032. | CHENNAI - 600 032.



Test Report for:
TMT Bar 8.0 mm Dia
Report No : 2400 2619
Date : 10.05.2024
Page : 02 of 03

ULR No: TC1141324000002619F

TEST REPORT

Description of Sample : TMT Bar 8.0 mm Dia
Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	686
	b) Yield Strength (N/mm ²)	550 (Min)	588
	c) Elongation %	14.5 (Min)	22.7
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.16
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 6φ where φ is the diameter of the sample.

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadamadhan
S.Sadamadhan
Instructor (Mech)
Authorised Signatory



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Government of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
चेन्नै - 600 032. | CHENNAI - 600 032.

Test Report for :
TMT Bar 8.0 mm Dia

Report No : 2400 2620

Date : 10.05.2024

Page : 02 of 03

TEST REPORT

Description of Sample : TMT Bar 8.0 mm Dia
Identification : BN : SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	6.5
2	Mass (Kg/m)	0.395 (-8% Min)	0.399

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)



L. Kumaran
Assistant Director (Mech)
Authorised Signatory



सत्यमेव जयते

भारत सरकार
Government of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
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TC-11413

Test Report for
TMT Bar

Report No : 24002619

Date : 10.05.2024

Page : 3 of 3

ULR No:TC1141324000002619F

Description of Sample / Identification : TMT Bar - 8 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.21
Sulphur	0.040 % (Max)	0.013
Phosphorus	0.040 % (Max)	0.035
Sulphur + Phosphorus	0.075 % (Max)	0.048
Manganese	-	0.692
Copper	-	0.224
Nickel	-	0.05
Chromium	-	0.147
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.010

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 62
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



भारत सरकार
Government of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
चेन्नै - 600 032. | CHENNAI - 600 032.

Test Report for
TMT Bar

Report No : 24002620

Date : 10.05.2024

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 8 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.37 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



भारत सरकार
Government of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
चेन्नै - 600 032. | CHENNAI - 600 032.



Test Report for:
TMT Bar 10.0 mm Dia

Report No : 2400 2621

Date : 10.05.2024

Page : 02 of 03

ULR No: TC1141324000002621F

TEST REPORT

Description of Sample : TMT Bar 10.0 mm Dia

Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	683
	b) Yield Strength (N/mm ²)	550 (Min)	582
	c) Elongation %	14.5 (Min)	23.4
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.17
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 6φ where φ is the diameter of the sample.

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadam
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



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Test Report for :
TMT Bar 10.0 mm Dia

Report No : 2400 2622

Date : 10.05.2024

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TEST REPORT

Description of Sample : TMT Bar 10.0 mm Dia
Identification : BN : SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	10.0
2	Mass (Kg/m)	0.617 (-8% Min)	0.620

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Kandan
Assistant Director (Mech)
Authorised Signatory



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TC-11413

Test Report for
TMT Bar

Report No : 24002621

Date : 10.05.2024

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ULR No:TC1141324000002621F

Description of Sample / Identification : TMT Bar - 10 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.20
Sulphur	0.040 % (Max)	0.010
Phosphorus	0.040 % (Max)	0.030
Sulphur + Phosphorus	0.075 % (Max)	0.040
Manganese	-	0.691
Copper	-	0.121
Nickel	-	BDL(DL- 0.05%)
Chromium	-	0.102
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.009

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 62
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002622

Date : 10.05.2024

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 10 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.35 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B.Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam

(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for:
TMT Bar 12.0 mm Dia

Report No : 2400 2623

Date : 10.05.2024

Page : 02 of 03

ULR No: TC1141324000002623F

TEST REPORT

Description of Sample : TMT Bar 12.0 mm Dia
Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	712
	b) Yield Strength (N/mm ²)	550 (Min)	612
	c) Elongation %	14.5 (Min)	20.8
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.16
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadamadhavan
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



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Test Report for :
TMT Bar 12.0 mm Dia

Report No : 2400 2624

Date : 10.05.2024

Page : 02 of 03

TEST REPORT

Description of Sample : TMT Bar 12.0 mm Dia
Identification : BN : SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	10.0
2	Mass (Kg/m)	0.888 (-6% Min)	0.871

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)



Assistant Director (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002623

Date : 10.05.2024

Page : 3 of 3

ULR No:TC1141324000002623F

Description of Sample /
Identification

TMT Bar - 12 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008.No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.16
Sulphur	0.040 % (Max)	0.010
Phosphorus	0.040 % (Max)	0.032
Sulphur + Phosphorus	0.075 % (Max)	0.042
Manganese	-	0.670
Copper	-	0.074
Nickel	-	0.05
Chromium	-	0.100
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.010

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 62
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019),Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for:
TMT Bar 8.0 mm Dia
Report No : 2400 2619
Date : 10.05.2024
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ULR No: TC1141324000002619F

TEST REPORT

Description of Sample : TMT Bar 8.0 mm Dia
Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	686
	b) Yield Strength (N/mm ²)	550 (Min)	588
	c) Elongation %	14.5 (Min)	22.7
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.16
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 6φ where φ is the diameter of the sample.

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadamadhan
S.Sadamadhan
Instructor (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002624

Date : 10.05.2024

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 12 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008.No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.30 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature :
Humidity (RH) :
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used :
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam

(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for:
TMT Bar 16.0 mm Dia

Report No : 2400 2625

Date : 10.05.2024

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ULR No: TC1141324000002625F

TEST REPORT

Description of Sample : TMT Bar 16.0 mm Dia
Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	687
	b) Yield Strength (N/mm ²)	550 (Min)	601
	c) Elongation %	14.5 (Min)	20.8
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.14
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadam
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



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Test Report for :
TMT Bar 16.0 mm Dia

Report No : 2400 2626

Date : 10.05.2024

Page : 02 of 03

TEST REPORT

Description of Sample : TMT Bar 16.0 mm Dia
Identification : BN : SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	7.8
2	Mass (Kg/m)	1.580 (-6% Min)	1.556

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Radan
Assistant Director (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002625

Date : 10.05.2024

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ULR No:TC1141324000002625F

Description of Sample /
Identification

TMT Bar - 16 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.16
Sulphur	0.040 % (Max)	0.010
Phosphorus	0.040 % (Max)	0.029
Sulphur + Phosphorus	0.075 % (Max)	0.039
Manganese	-	0.650
Copper	-	0.069
Nickel	-	BDL(DL- 0.05%)
Chromium	-	0.116
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.008

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 62
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002626

Date : 10.05.2024

Page : 03 of 03

Description of Sample / Identification : TMT Bar - 16 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.30 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 06.05.2024
Environmental Condition : -
Temperature : -
Humidity (RH) : -
Place of Testing : At Laboratory
Type of Test : Determination of Carbon Equivalent
Equipment used : -
Procedure Followed : Summation as per IS 1786:2008 No of Amendment 4
Test done by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested By

B.Pavithra
(B.Pavithra)
Lab Assistant



(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for:
TMT Bar 20.0 mm Dia

Report No : 2400 2627

Date : 10.05.2024

Page : 02 of 03

ULR No: TC1141324000002627F

TEST REPORT

Description of Sample : TMT Bar 20.0 mm Dia
Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	701
	b) Yield Strength (N/mm ²)	550 (Min)	604
	c) Elongation %	14.5 (Min)	21.4
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.16
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 4φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 30.04.2024
Environmental Condition : 25.9 & 54
Temperature, ° C & Humidity (RH), % : Tensile, Bend & Rebend Test
Type of Test : IS:1608 (Part 1) -2022 & IS:1599-2023
Procedure Followed : R.Soundhar, Tech.Assist (Mech)
Tested by :



S. Sadam
S.Sadamadhavan
Instructor (Mech)
Authorised Signatory



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Test Report for :
TMT Bar 20.0 mm Dia

Report No : 2400 2628

Date : 10.05.2024

Page : 02 of 03

TEST REPORT

Description of Sample : TMT Bar 20.0 mm Dia
Identification : BN : SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	7.6
2	Mass (Kg/m)	2.470 (-4% Min)	2.446

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)



L. K. K. K.
Assistant Director (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002627

Date : 10.05.2024

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ULR No:TC1141324000002627F

Description of Sample / Identification : TMT Bar - 20 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.15
Sulphur	0.040 % (Max)	0.012
Phosphorus	0.040 % (Max)	0.031
Sulphur + Phosphorus	0.075 % (Max)	0.043
Manganese	-	0.709
Copper	-	0.134
Nickel	-	0.063
Chromium	-	0.148
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.010

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 62
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002628

Date : 10.05.2024

Page : 03 of 03

Description of Sample /
Identification

: TMT Bar - 20 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.31 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 06.05.2024

Environmental Condition

Temperature

Humidity (RH)

Place of Testing

Type of Test

Equipment used

Procedure Followed

Test done by

Checked by

At Laboratory

Determination of Carbon Equivalent

-

Summation as per IS 1786:2008 No of Amendment 4

B.Pavithra

M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



सत्यमेव जयते

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TC-11413

Test Report for:
TMT Bar 25.0 mm Dia

Report No : 2400 2629

Date : 10.05.2024

Page : 02 of 03

ULR No: TC1141324000002629F

TEST REPORT

Description of Sample : TMT Bar 25.0 mm Dia

Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	698
	b) Yield Strength (N/mm ²)	550 (Min)	595
	c) Elongation %	14.5 (Min)	17.7
	d) TS/YS Ratio (N/mm ²)	> 1.08	1.17
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination.

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 5φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadamadhan
S.Sadamadhan
Instructor (Mech)
Authorised Signatory



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Test Report for :
TMT Bar 25.0 mm Dia

Report No : 2400 2630

Date : 10.05.2024

Page : 02 of 03

TEST REPORT

Description of Sample : TMT Bar 25.0 mm Dia
Identification : BN : SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe - 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	9.2
2	Mass (Kg/m)	3.850 (-4% Min)	3.836

Date of Test : 30.04.2024
Environmental Condition : 25.9 & 54
Temperature, ° C & Humidity (RH), % :
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. Pradeep
Assistant Director (Mech)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002629

Date : 10.05.2024

Page : 3 of 3

ULR No:TC1141324000002629F

Description of Sample / Identification : TMT Bar - 25 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.14
Sulphur	0.040 % (Max)	0.013
Phosphorus	0.040 % (Max)	0.032
Sulphur + Phosphorus	0.075 % (Max)	0.045
Manganese	-	0.672
Copper	-	0.092
Nickel	-	0.066
Chromium	-	0.149
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.010

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 06.05.2024
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 62
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002630

Date : 10.05.2024

Page : 03 of 03

Description of Sample /
Identification

: TMT Bar - 25 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.29 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 06.05.2024

Environmental Condition

Temperature

Humidity (RH)

Place of Testing

Type of Test

Equipment used

Procedure Followed

Test done by

Checked by

: -
: -
: At Laboratory
: Determination of Carbon Equivalent
: -
: Summation as per IS 1786:2008 No of Amendment 4
: B.Pavithra
: M.Annabackiam

-End of the Report-

Tested By

B.Pavithra
(B.Pavithra)
Lab Assistant



M.Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for:
TMT Bar 32.0 mm Dia

Report No : 2400 2631

Date : 10.05.2024

Page : 02 of 03

ULR No: TC1141324000002631F

TEST REPORT

Description of Sample : TMT Bar 32.0 mm Dia

Identification : BN: SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Tensile Test		
	a) Tensile Strength (N/mm ²)	600 (Min)	674
	b) Yield Strength (N/mm ²)	550 (Min)	567
	c) Elongation %	14.5 (Min)	19.5
	d) TS/YS Ratio (N/mm ²)	≥ 1.08	1.19
2	Bend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination
3	Rebend Test	There should be no rupture/ crack in the bent portion	No rupture/ crack was observed in the bent portion after the test on visual examination

Remarks : 1) For Test at Sl. No.2, Angle of bend is 180° and Mandrel dia is 5φ where φ is the diameter of the sample

2) For Test at Sl.No.3 Angle of bend is 135° & 157.5° and Mandrel dia is 7φ where φ is the diameter of the sample.

Date of Test : 30.04.2024
Environmental Condition : 25.9 & 54
Temperature, ° C & Humidity (RH), % :
Type of Test : Tensile, Bend & Rebend Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1599-2023
Tested by : R.Soundhar, Tech.Assist (Mech)



S. Sadamadhavan
Instructor (Mech)
Authorised Signatory



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Test Report for :
TMT Bar 32.0 mm Dia

Report No : 2400 2632

Date : 10.05.2024

Page : 02 of 03

TEST REPORT

Description of Sample : TMT Bar 32.0 mm Dia
Identification : BN : SURYADEV TMX

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS 1786:2008 (Fe – 550D)	Observed Value
1	Total Elongation at Maximum Force %	5.0 (Min)	9.3
2	Mass (Kg/m)	6.310 (-4% Min)	6.306

Date of Test : 30.04.2024
Environmental Condition :
Temperature, ° C & Humidity (RH), % : 25.9 & 54
Type of Test : Total Elongation at Maximum Force % & Mass Test
Procedure Followed : IS:1608 (Part 1) -2022 & IS:1786-2008
Tested by : S.Sadamadhavan, Instructor (Mech)




L. K. Kanan
Assistant Director (Mech)
Authorised Signatory



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TC-11413

Test Report for
TMT Bar

Report No : 24002631

Date : 10.05.2024

Page : 3 of 3

ULR No:TC1141324000002631F

Description of Sample /
Identification

TMT Bar - 32 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value, in percent
Carbon	0.25 % (Max)	0.18
Sulphur	0.040 % (Max)	0.014
Phosphorus	0.040 % (Max)	0.027
Sulphur + Phosphorus	0.075 % (Max)	0.041
Manganese	-	0.792
Copper	-	0.103
Nickel	-	0.05
Chromium	-	0.136
Molybdenum	-	BDL(DL- 0.01%)
Vanadium	-	BDL(DL- 0.01%)
Aluminium	-	BDL(DL- 0.005%)
Nitrogen	0.012 % (Max)	0.009

BDL: Below Detection Limit, DL- Detection Limit.

Date of Test : 00.05.2024
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 62
Place of Testing : At Laboratory
Type of Test : Determination of Chemical Composition
Equipment used : Optical Emission Spectrometer (Model OES-5500II)
Procedure Followed : Nitrogen IS 228 Part 23:2003 (RA 2019), Others IS 8811: 1998 (RA 2018)
Tested by : B.Pavithra
Checked by : M.Annabackiam

-End of the Report-

Tested by

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam
(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for
TMT Bar

Report No : 24002632

Date : 10.05.2024

Page : 03 of 03

Description of Sample /
Identification

: TMT Bar - 32 mm

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, No of Amendment : 4 Fe 550 D	Observed Value
Carbon Equivalent	0.61 % (Max)	0.35 %

BDL: Below Detection Limit, DL- Min Detection Limit.

Date of Test : 06.05.2024

Environmental Condition

Temperature

Humidity (RH)

Place of Testing

Type of Test

Equipment used

Procedure Followed

Test done by

Checked by

: -
: -
: At Laboratory
: Determination of Carbon Equivalent
: -
: Summation as per IS 1786:2008 No of Amendment 4
: B.Pavithra
: M.Annabackiam

-End of the Report-

Tested By

B. Pavithra
(B.Pavithra)
Lab Assistant



M. Annabackiam

(M.Annabackiam)
Assistant Director (Chem)
Authorised Signatory



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Test Report for

TMT Bar - 8 mm

No. 24002633

Date 06.06.2024

Page 1 of 2

TEST REPORT

Name of the Customer

Suryadev Alloys and Power Pvt Ltd

Address

No: 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 201

Customer Reference. : Letter dated 16.04.2024

Job Sl. No. : 24002633

Description of Samples : TMT Bar - 8 mm

Identifications :

Date of Receipt. : 23-04-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

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[Signature]
Officer Incharge
Customer Cell
For Joint Director



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Test Report For :

TMT Bar 8.0 mm Dia

Report No : 2400 2633

Date : 06.06.2024

Page : 02 of 02

TEST REPORT

Description of Sample : TMT Bar 8.0 mm Dia , Fe 550D
Identification : BN : SURYADEV TMX

TEST RESULTS**1. PULL-OUT TEST** (Clause : 5.7)

a) Crushing Strength of concrete cube (Average of 3 Samples)	---	270 Kg/cm ²
b) Age of Specimen	---	28 days
	Plain Steel bar	TMT bar
c) Average load at a slip of 0.025 mm at the free end	500 N	760 N
d) Average load at a slip of 0.25 mm at the free end	680 N	1290 N
e) Average maximum load of failure	8200 N	15,090 N
f) Type of failure (For all three specimens)	TMT bars and plain steel bars have been pulled out from the concrete cube Neither the bars nor the concrete cubes were broken	
2. The Mean Projected Rib area per unit length mm ² /mm	0.96 (Min)	1.90
3. The Mean projected area of transverse rib alone mm ² /mm	0.32 (Min)	1.90

Date of Test : 03-05-2024 to 31-05-2024
Environmental Condition :
Temperature : Ambient
Humidity : Ambient
Type of Test : Pull-Out Test
Procedure Followed : IS:1786-2008 & IS: 2770 (Part - 1) - 1967
Tested by : S.Sadamadhavan, Instructor (Mech)

- End of the Report-



L. Kandan

Assistant Director (Mech)
Authorized Signatory



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Test Report for

TMT Bar - 10 mm

No. 24002634

Date 06.06.2024

Page 1 of 2

TEST REPORT

Name of the Customer Suryadev Alloys and Power Pvt Ltd

Address No: 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 201

Customer Reference. : Letter dated 16.04.2024

Job Sl. No. : 24002634

Description of Samples. : TMT Bar - 10 mm

Identifications. :

Date of Receipt. : 23-04-2024

Sampling Procedure. : Sample submitted by Customer

Graph / Figure, if any. : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

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Officer Incharge
Customer Cell
For Joint Director



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Test Report For :

TMT Bar 10.0 mm Dia

Report No : 2400 2634

Date : 06.06.2024

Page : 02 of 02

TEST REPORT

Description of Sample : TMT Bar 10.0 mm Dia , Fe 550D
Identification : BN : SURYADEV TMX

TEST RESULTS**1. PULL-OUT TEST** (Clause : 5.7)

a) Crushing Strength of concrete cube (Average of 3 Samples)	---	270 Kgf/cm ²
b) Age of Specimen	---	28 days
	Plain Steel bar	TMT bar
c) Average load at a slip of 0.025 mm at the free end	870 N	1320 N
d) Average load at a slip of 0.25 mm at the free end	1250 N	2380 N
e) Average maximum load of failure	19,100 N	33,420 N
f) Type of failure (For all three specimens)	TMT bars and plain steel bars have been pulled out from the concrete cube Neither the bars nor the concrete cubes were broken	
2. The Mean Projected Rib area per unit length mm ² /mm	1.20 (Min)	2.22
3. The Mean projected area of transverse rib alone mm ² /mm	0.40 (Min)	2.22

Date of Test : 03-05-2024 to 31-05-2024
Environmental Condition :
Temperature : Ambient
Humidity : Ambient
Type of Test : Pull-Out Test
Procedure Followed : IS:1786-2008 & IS: 2770 (Part - 1) - 1967
Tested by : S.Sadamadhavan, Instructor (Mech)

- End of the Report-



[Signature]
I. Karthikeyan
Assistant Director (Mech)
Authorized Signatory



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Test Report for

TMT Bar - 12 mm

No. 24002635

Date 06.06.2024

Page 1 of 2

TEST REPORT

Name of the Customer Suryadev Alloys and Power Pvt Ltd

Address No: 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 201

Customer Reference..... : Letter dated 16.04.2024

Job Sl. No. : 24002635

Description of Samples : TMT Bar - 12 mm

Identifications :

Date of Receipt..... : 23-04-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

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Customer Cell
For Joint Director



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Test Report For :

TMT Bar 12.0 mm Dia

Report No : 2400 2635

Date : 06.06.2024

Page : 02 of 02

TEST REPORT

Description of Sample : TMT Bar 12.0 mm Dia, Fe 550D
Identification : BN : SURYADEV TMX

TEST RESULTS**1. PULL-OUT TEST** (Clause : 5.7)

a) Crushing Strength of concrete cube (Average of 3 Samples)	---	270 Kg/cm ²
b) Age of Specimen	---	28 days
	Plain Steel bar	TMT bar
c) Average load at a slip of 0.025 mm at the free end	990 N	1480 N
d) Average load at a slip of 0.25 mm at the free end	1410 N	2680 N
e) Average maximum load of failure	29,000 N	50,750 N
f) Type of failure (For all three specimens)	TMT bars and plain steel bars have been pulled out from the concrete cube Neither the bars nor the concrete cubes were broken	
2. The Mean Projected Rib area per unit length mm ² /mm	1.80 (Min)	2.59
3. The Mean projected area of transverse rib alone mm ² /mm	0.60 (Min)	2.59

Date of Test : 03-05-2024 to 31-05-2024
Environmental Condition :
Temperature : Ambient
Humidity : Ambient
Type of Test : Pull-Out Test
Procedure Followed : IS:1786-2008 & IS: 2770 (Part - 1) - 1967
Tested by : S.Sadamadhavan, Instructor (Mech)

- End of the Report-



[Signature]
L. S. S. S. S.
Assistant Director (Mech)
Authorized Signatory



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Test Report for

TMT Bar - 16 mm

No. 24002636

Date 06.06.2024

Page 1 of 2

TEST REPORT

Name of the Customer Suryadev Alloys and Power Pvt Ltd

Address No: 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 201

Customer Reference. : Letter dated 16.04.2024

Job Sl. No. : 24002636

Description of Samples : TMT Bar - 16 mm

Identifications :

Date of Receipt. : 23-04-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

NOTE: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

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Officer Incharge
Customer Cell
For Joint Director



भारत सरकार
Government of India
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
चेन्नै - 600 032. | CHENNAI - 600 032.

Test Report For :

TMT Bar 16.0 mm Dia

Report No : 2400 2636

Date : 06.06.2024

Page : 02 of 02

TEST REPORT

Description of Sample : TMT Bar 16.0 mm Dia , Fe 550D
Identification : BN : SURYADEV TMX

TEST RESULTS**1. PULL-OUT TEST (Clause : 5.7)**

a) Crushing Strength of concrete cube (Average of 3 Samples)	---	260 Kg/cm ²
b) Age of Specimen	---	28 days
	Plain Steel bar	TMT bar
c) Average load at a slip of 0.025 mm at the free end	1310 N	1970 N
d) Average load at a slip of 0.25 mm at the free end	1890 N	3610 N
e) Average maximum load of failure	33,200 N	66,070 N
f) Type of failure (For all three specimens)	TMT bars and plain steel bars have been pulled out from the concrete cube Neither the bars nor the concrete cubes were broken	
2. The Mean Projected Rib area per unit length mm ² /mm	2.40 (Min)	3.79
3. The Mean projected area of transverse rib alone mm ² /mm	0.80 (Min)	3.79

Date of Test : 06-05-2024 to 03-06-2024
Environmental Condition :
Temperature : Ambient
Humidity : Ambient
Type of Test : Pull-Out Test
Procedure Followed : IS:1786-2008 & IS: 2770 (Part - 1) - 1967
Tested by : S.Sadamadhavan, Instructor (Mech)

- End of the Report-



L. Karunan
Assistant Director (Mech)
Authorized Signatory



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Test Report for

TMT Bar - 20 mm

No. 24002637

Date 06.06.2024

Page 1 of 2

TEST REPORT

Name of the Customer Suryadev Alloys and Power Pvt Ltd

Address No: 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 201

Customer Reference. : Letter dated 16.04.2024

Job Sl. No. : 24002637

Description of Samples : TMT Bar - 20 mm

Identifications :

Date of Receipt. : 23-04-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

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Customer Cell
For Joint Director



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Test Report For :

TMT Bar 20.0 mm Dia

Report No : 2400 2637

Date : 06.06.2024

Page : 02 of 02

TEST REPORT

Description of Sample : TMT Bar 20.0 mm Dia , Fe 550D
Identification : BN : SURYADEV TMX

TEST RESULTS**1. PULL-OUT TEST (Clause : 5.7)**

a) Crushing Strength of concrete cube (Average of 3 Samples)	---	260 Kg/cm ²
b) Age of Specimen	---	28 days
	Plain Steel bar	TMT bar
c) Average load at a slip of 0.025 mm at the free end	1460 N	2190 N
d) Average load at a slip of 0.25 mm at the free end	2140 N	4110 N
e) Average maximum load of failure	53,500 N	89,350 N
f) Type of failure (For all three specimens)	TMT bars and plain steel bars have been pulled out from the concrete cube Neither the bars nor the concrete cubes were broken	
2. The Mean Projected Rib area per unit length mm ² /mm	3.40 (Min)	4.24
3. The Mean projected area of transverse rib alone mm ² /mm	1.13 (Min)	4.24

Date of Test : 06-05-2024 to 03-06-2024
Environmental Condition :
Temperature : Ambient
Humidity : Ambient
Type of Test : Pull-Out Test
Procedure Followed : IS:1786-2008 & IS: 2770 (Part - 1) - 1967
Tested by : S.Sadamadhavan, Instructor (Mech)

- End of the Report-



I. Kandan
Assistant Director (Mech)
Authorized Signatory



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Test Report for

TMT Bar - 25 mm

No. 24002638

Date 06.06.2024

Page 1 of 2

TEST REPORT

Name of the Customer

Suryadev Alloys and Power Pvt Ltd

Address

No: 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 201

Customer Reference. : Letter dated 16.04.2024

Job Sl. No. : 24002638

Description of Samples : TMT Bar - 25 mm

Identifications

Date of Receipt : 23 04 2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

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Test Report For :

TMT Bar 25.0 mm Dia

Report No : 2400 2638

Date : 06.06.2024

Page : 02 of 02

TEST REPORT

Description of Sample : TMT Bar 25.0 mm Dia , Fe 550D
Identification : BN : SURYADEV TMX

TEST RESULTS**1. PULL-OUT TEST (Clause : 5.7)**

a) Crushing Strength of concrete cube (Average of 3 Samples)	---	250 Kg/cm ²
b) Age of Specimen	---	28 days
	Plain Steel bar	TMT bar
c) Average load at a slip of 0.025 mm at the free end	1670 N	2540 N
d) Average load at a slip of 0.25 mm at the free end	2460 N	4720 N
e) Average maximum load of failure	61,000 N	93,330 N
f) Type of failure (For all three specimens)	TMT bars and plain steel bars have been pulled out from the concrete cube Neither the bars nor the concrete cubes were broken	
2. The Mean Projected Rib area per unit length mm ² /mm	4.25 (Min)	5.55
3. The Mean projected area of transverse rib alone mm ² /mm	1.42 (Min)	5.55

Date of Test : 07-05-2024 to 04-06-2024
Environmental Condition :
Temperature : Ambient
Humidity : Ambient
Type of Test : Pull-Out Test
Procedure Followed : IS:1786-2008 & IS: 2770 (Part - 1) - 1967
Tested by : S.Sadamadhavan, Instructor (Mech)

- End of the Report-



I. Sandan
Assistant Director (Mech)
Authorized Signatory



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Test Report for

TMT Bar - 32 mm

No. 24002639

Date 06.06.2024

Page 1 of 2

TEST REPORT

Name of the Customer Suryadev Alloys and Power Pvt Ltd

Address No: 298/2, New Gummidipoondi,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 201

Customer Reference..... : Letter dated 16.04.2024

Job Sl. No. : 24002639

Description of Samples : TMT Bar - 32 mm

Identifications :

Date of Receipt..... : 23-04-2024

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note: This Report pertains to the particular sample submitted for the test and no interpretation or opinions on the test results has been provided.

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[Signature]
Officer Incharge
Customer Cell
For Joint Director



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Test Report For :

TMT Bar 32.0 mm Dia

Report No : 2400 2639

Date : 06.06.2024

Page : 02 of 02

TEST REPORT

Description of Sample : TMT Bar 32.0 mm Dia , Fe 550D
Identification : BN : SURYADEV TMX

TEST RESULTS**1. PULL-OUT TEST (Clause : 5.7)**

a) Crushing Strength of concrete cube (Average of 3 Samples)	---	250 Kg/cm ²
b) Age of Specimen	---	28 days
	Plain Steel bar	TMT bar
c) Average load at a slip of 0.025 mm at the free end	2280 N	3440 N
d) Average load at a slip of 0.25 mm at the free end	3360 N	6380 N
e) Average maximum load of failure	62,700 N	1,02,200 N
f) Type of failure (For all three specimens)	TMT bars and plain steel bars have been pulled out from the concrete cube Neither the bars nor the concrete cubes were broken	
2. The Mean Projected Rib area per unit length mm ² /mm	5.44 (Min)	6.14
3. The Mean projected area of transverse rib alone mm ² /mm	1.81 (Min)	6.14

Date of Test : 07-05-2024 to 04-06-2024
Environmental Condition :
Temperature : Ambient
Humidity : Ambient
Type of Test : Pull-Out Test
Procedure Followed : IS:1786-2008 & IS: 2770 (Part - 1) - 1967
Tested by : S.Sadamadhavan, Instructor (Mech)

- End of the Report-



L. Kandan
Assistant Director (Mech)
Authorized Signatory



CHEMICAL TESTING AND ANALYTICAL LABORATORY
DEPARTMENT OF INDUSTRIES AND COMMERCE
GOVERNMENT OF TAMILNADU
INDUSTRIAL ESTATE, GUINDY, CHENNAI - 32
PHONE : (044) - 22501641

CTAL

CERTIFICATE No.	2	4	0	7	0	3	1	2	DATE	0	3	/	0	7	/	2	4	TOTAL PAGES	0	5
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CLIENT'S PARTICULARS:

Name of the client : **M/s. Suryadev Alloys and Power Private Limited.**

Address : No. 497 & 498, ISANA Building, 8th Floor, Poonamallee High Road, Arumbakkam, Chennai – 600 106.

Reference : Testing of Suryadev FE 550D & FE 550D CRS samples of sizes 8mm to 32mm – reg.

Clients Letter No. : ----

Date : 10.06.2024

File No. : 1353/CW4/2024.

SAMPLE PARTICULARS:

Nature of sample : **Deformed Reinforcement Steel Rods**

Sample identification : I. Brand – **Suryadev Fe 550D** – 8mm, 10mm, 12mm, 16mm, 20mm, 25mm and 32mm
 II. **Suryadev Fe 550D CRS** – 8mm, 10mm, 12mm, 16mm, 20mm, 25mm and 32mm

Date of Receipt : 11.06.2024

Standards/ References of test methods if any : IS: 1786-2008
 IS: 1608 (Part 1)-2022
 IS: 1599-2019

Quantity : 14 Nos.



Note:

1. Any correction in the certificate shall invalidate this certificate.
2. This certificate is issued for tests conducted on samples tendered only.
3. This report shall not be reproduced or used in full without the written approval of the laboratory.

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AUTHORISED SIGNATORY
SENIOR CHEMIST
CHEMICAL TESTING AND
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GUINDY, CHENNAI - 32



CHEMICAL TESTING AND ANALYTICAL LABORATORY

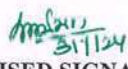
TEST RESULTS

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Sample Tested : Deformed Reinforcement Steel Rods
 Brand Name & Grade : SURYADEV TMX 550D
 Date of Testing : 20.06.2024
 Test Method : IS: 1608 (Part 1)-2022, IS: 1786-2008, IS: 1599-2019

Sl. No.	Sample Tested	Sample Diameter (mm)	Weight/ Metre (Kg)	0.2% Proof Stress (N/mm ²)	Tensile Strength (N/mm ²)	Elongation (%)	Bend	Rebend
1.	8mm Suryadev TMX 550D	8.0	0.390	567.3	655.2	20.0	Passes the Test	Passes The Test
2.	10mm Suryadev TMX 550D	10.0	0.604	552.6	661.1	22.0	Passes the Test	Passes The Test
3.	12mm Suryadev TMX 550D	12.0	0.859	581.9	677.0	20.0	Passes the Test	Passes The Test
4.	16mm Suryadev TMX 550D	16.0	1.549	577.4	658.4	18.8	Passes the Test	Passes The Test
5.	20mm Suryadev TMX 550D	20.0	2.446	558.4	661.1	20.0	Passes the Test	Passes The Test
6.	25mm Suryadev TMX 550D	25.0	3.839	572.5	674.8	19.2	Passes the Test	Passes The Test
7.	32mm Suryadev TMX 550D	32.0	6.340	579.5	671.1	18.8	Passes the Test	Passes The Test

Remarks: The given samples conform to IS-1786-2008 (Reaffirmed 2018), Grade Fe 550D in respect of above tests.


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TEST RESULTS

CERTIFICATE No.	2	4	0	7	0	3	1	2	DATE	0	3	/	0	7	/	2	4	TOTAL PAGES	0	5
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Sample Tested : Deformed Reinforcement Steel Rods
 Brand Name & Grade : SURYADEV CRS 550D
 Date of Testing : 20.06.2024
 Test Method : IS: 1608 (Part 1)-2022, IS: 1786-2008, IS: 1599-2019

Sl. No.	Sample Tested	Sample Diameter (mm)	Weight/ Metre (Kg)	0.2% Proof Stress (N/mm ²)	Tensile Strength (N/mm ²)	Elonga tion (%)	Bend	Rebend
1.	8mm Suryadev CRS 550D	8.0	0.390	593.9	675.2	20.0	Passes the Test	Passes The Test
2.	10mm Suryadev CRS 550D	10.0	0.599	569.4	650.8	20.0	Passes the Test	Passes The Test
3.	12mm Suryadev CRS 550D	12.0	0.873	566.0	666.9	20.0	Passes the Test	Passes The Test
4.	16mm Suryadev CRS 550D	16.0	1.546	561.1	642.7	18.8	Passes the Test	Passes The Test
5.	20mm Suryadev CRS 550D	20.0	2.451	570.1	666.2	20.0	Passes the Test	Passes The Test
6.	25mm Suryadev CRS 550D	25.0	3.850	562.8	664.7	20.0	Passes the Test	Passes The Test
7.	32mm Suryadev CRS 550D	32.0	6.281	582.4	674.9	18.8	Passes the Test	Passes The Test

Remarks: The given samples conform to IS-1786-2008 (Reaffirmed 2018), **Grade Fe 550D** in respect of above tests.

hms
20/6/24
AUTHORISED SIGNATORY

SENIOR CHIEF
CHEMICAL TESTING AND
ANALYTICAL LABORATORY
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TEST RESULTS

CERTIFICATE No.	2	4	0	7	0	3	1	2	DATE	0	3	/	0	7	/	2	4	TOTAL PAGES	0	5
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Sample : Steel Rods
Marked as : Suryadev 550D TMT

Sl. No.	Sample Marked as	Elemental analysis percent by mass			
		Carbon as 'C'	Sulphur as 'S'	Phosphorus as 'P'	Sulphur & Phosphorus
1.	8mm	0.19	0.012	0.036	0.048
2.	10mm	0.19	0.015	0.040	0.055
3.	12mm	0.16	0.016	0.042	0.058
4.	16mm	0.15	0.015	0.042	0.057
5.	20mm	0.16	0.015	0.040	0.055
6.	25mm	0.17	0.022	0.038	0.060
7.	32mm	0.19	0.030	0.035	0.065

Remarks: The given samples marked as 1.) 8mm, 2.) 10mm, 3.) 12mm, 4.) 16mm, 5.) 20mm 6.) 25mm and 7.) 32mm conform to the **Grade Fe 550D** of IS: 1786 – 2008 (Reaffirmed 2018) (Specification for high strength deformed Steel bars and wires for concrete reinforcement) with respect to above tests.

Amal
31/12/24
AUTHORISED SIGNATORY

SENIOR CHEMIST
CHEMICAL TESTING AND
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GUINDY, CHENNAI - 32



CHEMICAL TESTING AND ANALYTICAL LABORATORY

TEST RESULTS

CERTIFICATE No.	2	4	0	7	0	3	1	2	DATE	0	3	/	0	7	/	2	4	TOTAL PAGES	0	5
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Sample : Steel Rods
Marked as : Suryadev CRS 550D TMT

Sl. No.	Sample Marked as	Elemental analysis percent by mass			
		Carbon as 'C'	Sulphur as 'S'	Phosphorus as 'P'	Sulphur & Phosphorus
1.	8mm	0.15	0.037	0.018	0.055
2.	10mm	0.16	0.034	0.018	0.052
3.	12mm	0.14	0.037	0.015	0.052
4.	16mm	0.14	0.034	0.012	0.046
5.	20mm	0.15	0.038	0.015	0.053
6.	25mm	0.14	0.036	0.013	0.049
7.	32mm	0.15	0.041	0.015	0.056

Remarks: The given samples marked as 1.) 8mm, 2.) 10mm, 3.) 12mm, 4.) 16mm, 5.) 20mm 6.) 25mm and 7.) 32mm conform to the **Grade Fe 550D** of IS: 1786 – 2008 (Reaffirmed 2018) (Specification for high strength deformed Steel bars and wires for concrete reinforcement) with respect to above tests.

Suryadev
31/7/24
AUTHORISED SIGNATORY

**SENIOR CHEMIST
CHEMICAL TESTING AND
ANALYTICAL LABORATORY
GUINDY, CHENNAI - 32**



CORPORATE OFFICE ADDRESS

No. 497 & 498, ISANA Building, 8th Floor,
Poonamallee High Road, Arumbakkam,
Chennai - 600 106.
Ph: 044 4222 1000.

FACTORY ADDRESS

No. 298/2, New Gummidipoondi,
Gummidipoondi Taluk, Tamil Nadu,
Thiruvallur Dist., 601 201.



SURYADEV ALLOYS AND POWER PRIVATE LIMITED.

REG. OFFICE ADDRESS

**No. 497 & 498, ISANA Building, 8th Floor, Poonamallee High Road,
Arumbakkam, Chennai - 600 106 | Ph: 044 4222 1000.**