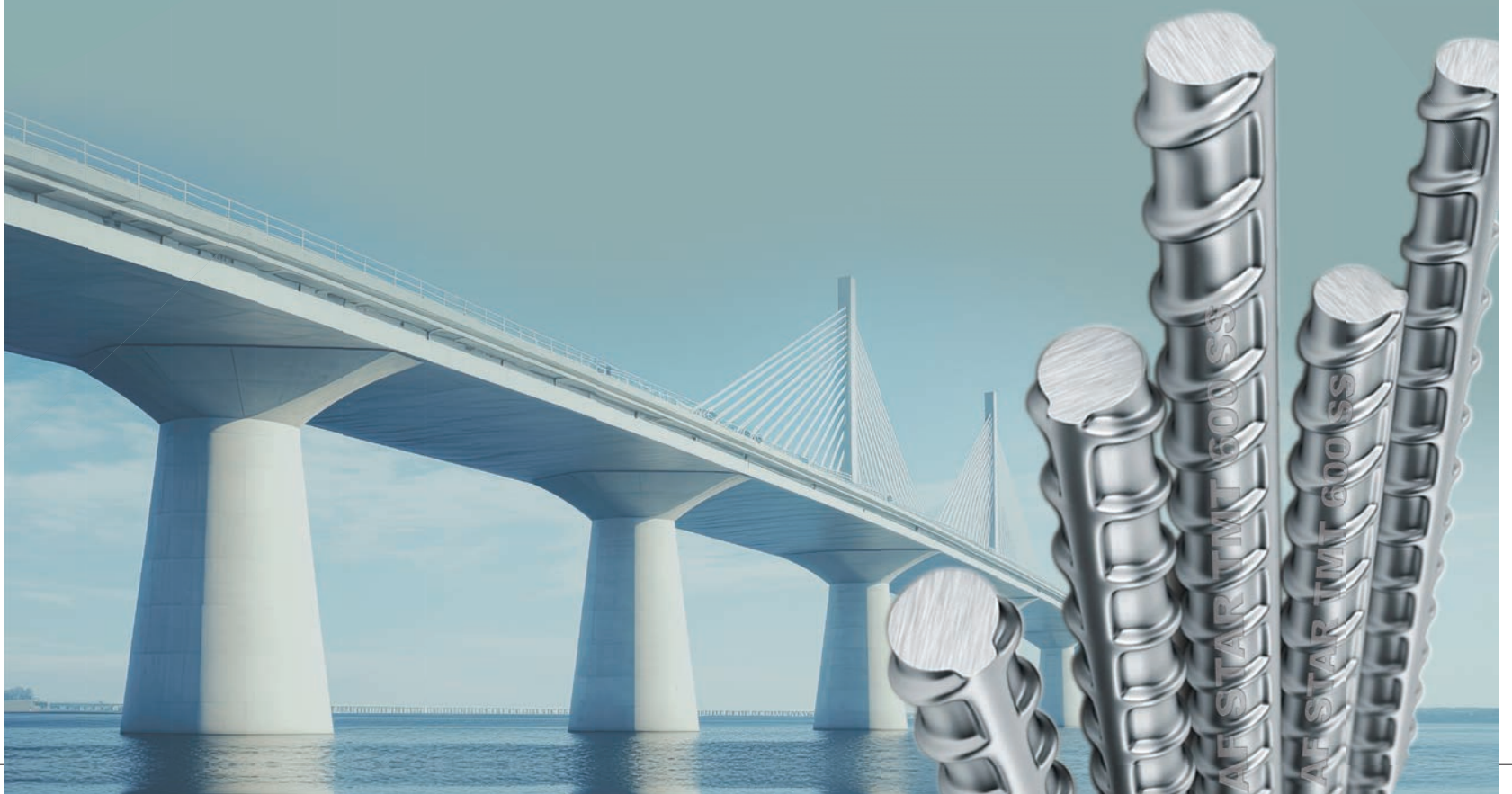




AF STAR
steel for a solid future

STAINLESS STEEL TMT REBARS

*ELEVATING CORROSION RESISTANCE &
DURABILITY TO A HIGHER LEVEL*



ABOUT MS AGARWAL FOUNDRIES

For decades, MS Agarwal Foundries (MSAF) has been consistently pioneering the production of high-quality steel products that serve diverse customer needs. MSAF has built a distinct reputation for adopting benchmark, research-driven manufacturing practices, well-entrenched organizational values that ensure ideal practices, a purpose-driven performance and penchant to constantly evolve and excel. All these have transformed MSAF into a leading steel manufacturing company in the country that serves a multitude of business streams and organizations, from both public and private sectors

Founded in 2005 and headquartered in Hyderabad, MSAF continuously added strength to its efforts, and wings to its vision. Today, it operates state-of-the-art integrated steel plants at to strategic location, one at Medak, Telangana state, near Hyderabad, while the second plant is located in Naidupeta, Nellore district in the state of Andhra Pradesh. Together, the plants manufacture virgin steel under the brand names, AF STAR & MS Life.

MSAF also operates a sophisticated material testing laboratory that ensures and certifies the quality of the products. It operates a DRI unit, Maruti Ispat & Energy Pvt. Ltd., in Mantralayam in Kurnool district, Andhra Pradesh, and an SMS unit with continuous billet casting, along with its sophisticated rolling mill.

MSAF is driven by a legion of enthusiastic and efficient performers whose commitment and efficiency power production, customer servicing, and business development.

Vision Purpose Mission Values

PURPOSE



We exist to deliver Value to our Stakeholders in Building a Safe & Strong Nation and make the World a better place.

VISION



We shall be outstanding and trustworthy with our steel product quality and services in the market we serve.

MISSION



We shall achieve 1.2 MTPA by 2026-27.

VALUES



Customer Centricity
Result Oriented
Entrepreneurship
Empathy
Integrity
Humility
Sustainability



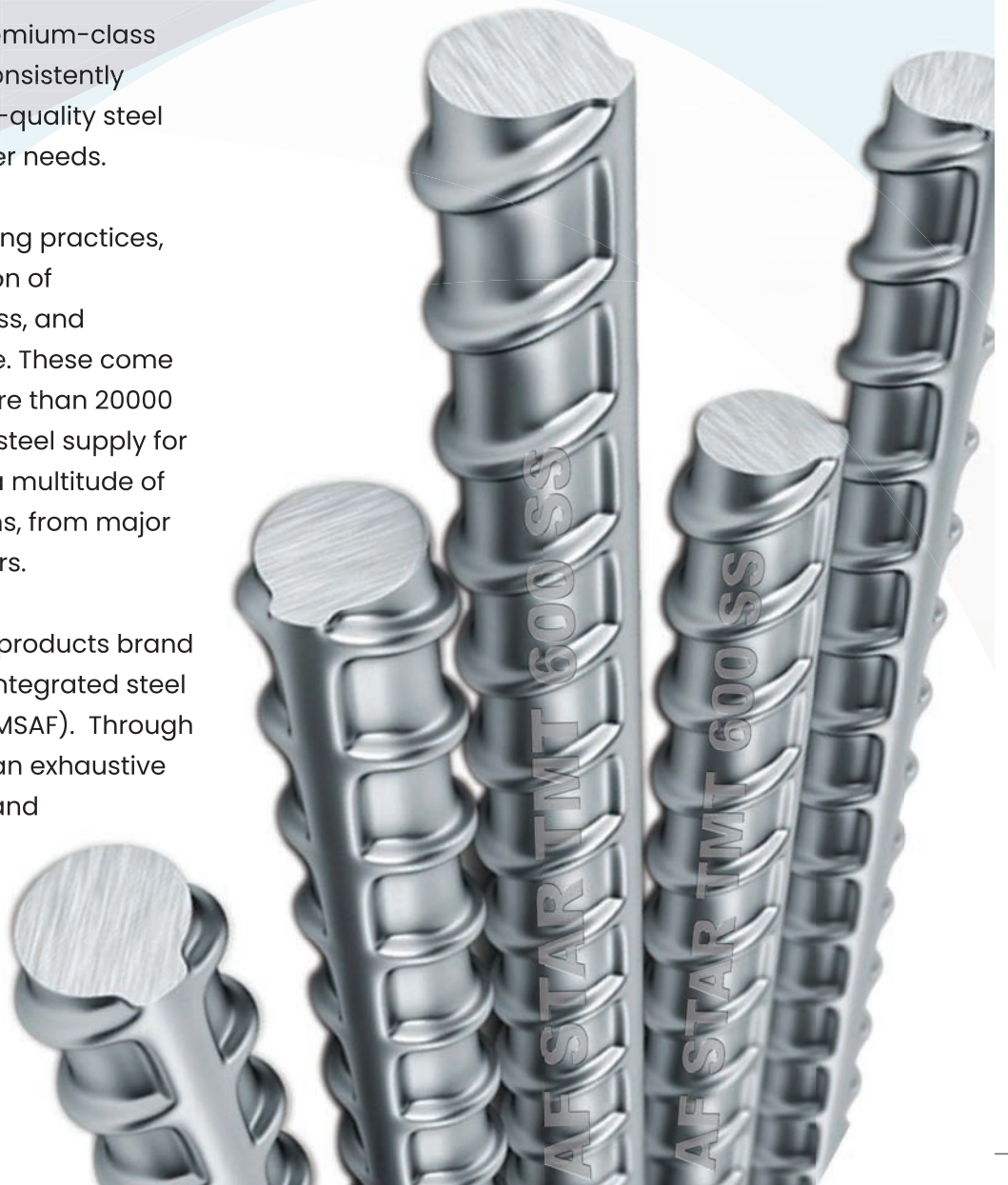


ABOUT AF STAR

For over decades, AF STAR, the premium-class steel products brand, has been consistently pioneering the production of high-quality steel products, serving diverse customer needs.

Produced out of best manufacturing practices, AF STAR enjoys a distinct reputation of guaranteeing durability, robustness, and diversity across the product range. These come together successfully to serve more than 20000 customers, through partnering in steel supply for more than 5000 projects, across a multitude of business and construction streams, from major corporations to established dealers.

AF STAR is a premium-class steel products brand coming from Hyderabad-based integrated steel producer MS Agarwal Foundries (MSAF). Through flagship AF STAR, MSAF produces an exhaustive range, from TMT Re bars, rounds, and cut-and-bend products.





STAINLESS STEEL REBARS FUTURE-PERFECT & INNOVATION-DRIVEN

For decades, MS Agarwal Foundries (MSAF) has been steadily pioneering the production of high-quality steel products, in a distinct range, through its flagship brand - AF STAR. Rising high with the famed 550 D range of TMT Bars that have been structurally defining several infra projects of the nation, today our AF Star stainless steel Rebars are all set to redefine structural performance and corrosion resistance in harsher environments.

LATEST IN THE ARRAY

AF Star Stainless Steel TMT Rebars is the latest addition to the AF Star array that is unmatched in its tensile strength and perfection in appearance, ideally suited for critical industrial and construction applications.

AF STAR TMT Rebars are manufactured at our world-class production facilities that adhere to global standards and surpass international benchmarks on the production, safety and quality fronts.

Complementing the broad range that caters to the steel requirements of critical and complex infra projects across the country, AF Star SS TMT Rebars deliver the vital edge and exposure in the existing and newer markets.

AF STAR SS TMT REBARS - SNAPSHOT

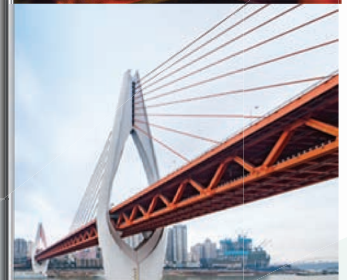
High-grade Stainless Steel Rebars ensuring superior yield, tensile strengths and perfection in appearance

Excellent durability, fire resistance and structural performance

Exceptional corrosion resistance in harsh marine environments, resisting chlorides and pitting corrosion Extended service life and reduced life cycle costs

Minimal maintenance costs and therefore less disruption of service for refurbishment or Replacement

Easy to cut and bend, good weldability



**Strength and superiority to our comprehensive
range of steel products**

ADVANTAGES

PRODUCTS



SS 500
SS 550
SS 600

Excellent durability, fire resistance and structural performance

Exceptional corrosion resistance in harsh marine environments, resisting chlorides and pitting corrosion

Extended service life and reduced life cycle costs

Minimal maintenance costs and therefore less disruption of service for refurbishment or replacement

Easy to cut and bend, good weldability

AS PER BIS STANDARDS

CHEMISTRY

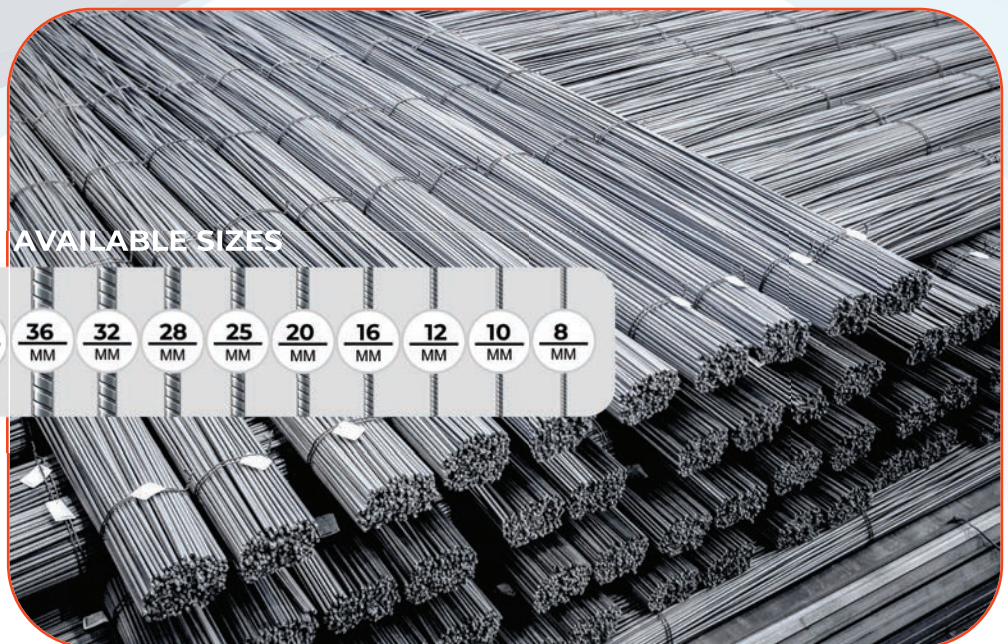
AF STAR Stainless Steel TMT are made with proper control over carbon, phosphorous, sulphur and other alloying elements.

ROLLING

AF STAR Stainless Steel is rolled with close controls and proper temperature monitoring so as to give prominent rib pattern and surface finish

THERMO MECHANICAL TREATMENT

The Thermax quenching process is adopted after rolling with proper control on water pressure, Nozzle angle and rate of water flow. This helps in achieving the desired properties in AF STAR TMT Rebars



AVAILABLE SIZES

40 MM 36 MM 32 MM 28 MM 25 MM 20 MM 16 MM 12 MM 10 MM 8 MM

AF STAR TMT 600 SS

MECHANICAL PROPERTIES OF SS 410 L

Grade Types	0.2 percent proof stress, Min, N/mm ²	Tensile strength Mpa
SS 500	500	565
SS 550	550	600
SS 600	600	660

CHEMICAL COMPOSITION OF SS 410 L

Chemical	C	Ni	Mn	Si	P	S	Cu	Cr	N
Min%	-	0.0	-	-	-	-	-	11	-
Max%	0.03	0.60	1.0	1.0	0.040	0.030	-	13.50	-

UNIT WEIGHT OF STEEL BARS

Nominal Diameter (mm)	Nominal Mass/M (kg/m)	Nominal Sectional Area (mm ²)
8	0.389	50.3
10	0.608	78.5
12	0.876	113.1
16	1.555	201.1
20	2.430	314.2
25	3.797	490.9
32	6.222	804.2

CHEMICAL COMPOSITION (CAST ANALYSIS), PERCENT BY MASS (CLAUSE 4.3.1)

As per : BIS - 16651:2017

Steel Designation Number	International Standard Designation	C Max	Si Max	Mn Max	S Max	Cr Min/Max	Ni Min/Max	Mo Min/Max	P Max	Cu Min/Max	N Min/Max
G Ferritic	410L	0.03	1.0	1.0	0.030	11.00/13.50	0.0/0.60	-	0.040	-	-

NABL AND ISO CERTIFICATIONS



SCHEDULE
सादरीय नं. सीएमएए
LICENCE NO. CML - 660002308

नाम : एम एस अग्रवाल फाउंड्रीज प्राइवेट लिमिटेड
फैक्ट्री पतेस : इ नो ५, १२, बालव्यादु, पेनेपल्ल विल्ले, नयुदुपेत, एम गेल्लोर, अंध प्रदेश, नयुदुपेत
विधियन्ता : उन्नीस टियनर दो इरार वेस से अगुइस टियनर दो इरार बीसस

Name : Ms Agarwal Foundries Pvt Ltd.
Factory Address: Dr No 5-12, Talavayadu, Penepalli Village, Nayadupeta, SPGR Nellore, Andhra Pradesh, NAYUDUPETA, 524126, Andhra Pradesh, India
Validity From Twenty Ninth December Two Thousand Twenty Three to Twenty Eighth December Two Thousand Twenty Four

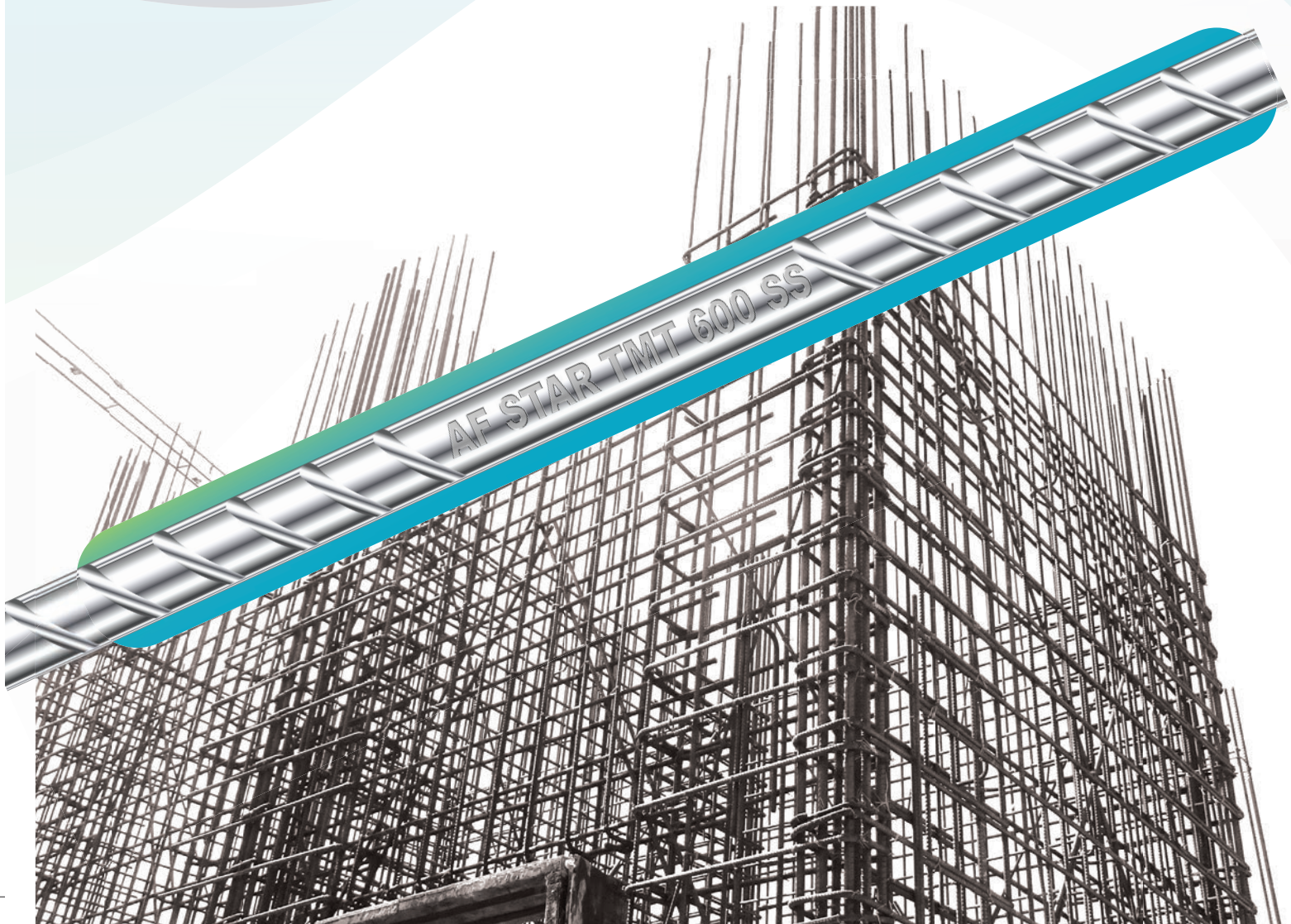
मानक चिह्न STANDARD MARK	भारतीय मानक INDIAN STANDARDS(S)	अनुमति का विषय क्षेत्र SCOPE OF LICENCE	चिह्नकन शुल्क MARKING FEE
(1)	(2)	(3)	(4)
IS 16651 CML- 660002308	IS 16651 : 2017 HIGH STRENGTH DEFORMED STAINLESS STEEL BARS AND WIRES FOR CONCRETE REINFORCEMENT - SPECIFICATION	Strength grade- S5500, S5550 and S5600 Steel Designation Number + G Nominal size- 32mm	एक वर्ग की प्रमाण लेखी के दौरान न्यूनतम मुद्रणशुल्क ₹ 7000.00 के साथ सर्वे इकाई के लिए ₹ 6.20 प्रति इकाई। इकाई: 1 TON ₹ 6.20 per unit for all units with a Minimum Marking Fee of ₹ 7000.00 during an operative period of one year Unit: 1 TON एक प्रमाण वर्ग के लिए मुद्रण शुल्क ₹ 7000.00 के साथ सर्वे इकाई के लिए ₹ 6.20 प्रति इकाई। Minimum marking fee for one operative year payable in advance which will be carried over to next renewal(s)

अथ उन्नीस टियनर दो इरार वेस की इकाईके उस शेषवत शिवाय गण।
Signed Sealed and Dated this Twenty Ninth December Two Thousand Twenty Three

सूची भारतीय मानक अथो
for BUREAU OF INDIAN STANDARDS

इकाईके Signatory : Thammiah Jayathra
प्रमाणक अधिकारी का नाम Name of Designated Authority: SURENDR & HEAD

BIS CERTIFICATION 16651 : 2017



**Great
Place
To
Work®**

Certified
JAN 2024–JAN 2025
INDIA

AF STAR TMT 600 SS

SS-5-24#TK



MS AGARWAL FOUNDRIES PVT. LTD.

Head Office:

1st Floor, T19 Towers, MG Road, Secunderabad-500 003. +91 040 27232000 +91 7331110039

Regional Offices:

Delhi : 409-B, 4th floor, D21 Corporate Park, Dwaraka Sector 21, Dwaraka, Nearest Metro Station (Dwaraka Sector - 8) New Delhi - 110 077
Mumbai : Room No 1.1, 91 Springboard Business Hub Private Limited, Godrej and Boyce, Gate No 2, LBS Marg, Vikhroli West, Mumbai - 400 079
Chennai : No 6, 7th Floor, Awfis Space Solutions P Ltd, Arihanth Technopolis, Perungudi, Chennai - 600 096

Unit - 1: Survey No. 169, Near Rangaipalle chetla Gowraram Post, Manoharabad Mandal, Medak Dist. Telanagana State - 502 336

Unit - 2: Door No. 5-12, Pennepalli Village, Pellakuru Mandal, Naidupeta, Tirupati District, Andhra Pradesh - 524 126

Call: +91 7331110039
E-mail: contact@msagarwal.com

www.afstar.co.in

www.msagarwalfoundries.com