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Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
चेन्नै - 600 032.
CHENNAI - 600 032.

Test Report for

TMT Bar

No.

21001208 ULR No:
TC513521000001208F

Date

05-03-2021

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of

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TEST REPORT

Name of the Customer

Shri Amman Steel and Allied

Address

Industries P Ltd
Silampudayanpatti Road,
Nagamangalam, Tiruchirappalli - 12

Customer Reference. : SASAI-20-21 Dt:21.12.2020

Job Sl. No. : 21001208 ULR No: TC513521000001208F

Description of Samples : TMT Bar

Identifications : BN:AMMAN TRY

Date of Receipt. : 11-01-2021

Sampling Procedure : Sample submitted by Customer

Graph / Figure, if any : Not Applicable

Note:

This Report pertains to the particular sample submitted for the test

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M. Jeyaraj
24/03/2021
Officer Incharge
Customer Cell
For Joint Director



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Test Report for :

TMT Bar 8 mm Dia

Report No : 2100 1208

Date : 05.03.2021

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ULR NO : TC513521000001208F

TEST REPORT

Description of Sample : TMT Bar 8.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe - 500D)	Observed Value
1	1. Tensile Test		
	a) Tensile Strength, (N/mm ²)	565 (Min)	627
	b) Yield Strength(N/mm ²)	500 (Min)	540
	c) Elongation %	16.0 (Min)	22.0
	d) TS/YS Ratio	≥ 1.10	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

Date of Test : 15.01.2021

Environmental Condition

Temperature, ° C : 26.5

Humidity (RH), % : 70

Type of Test : Tensile & Bend Test

Procedure Followed : IS:1608-2018 & IS:1599-2012

Tested by

G.V. Rangarao
G.V. Rangarao
Assistant Director (Met)

T.P. Vijayakumar

T.P. Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test report for:

TMT Bar

Report No : 21001208

Date : 05.03.2021

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ULR NO: TC513521000001208F

Description of Sample /
Identification

TMT Bar 08 mm dia
Brand:AMMAN TRY

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008,Amendment No:3 (Mar 2017) Fe 500 D	Observed Value, In percent
Carbon	0.25 % (Max)	0.23
Sulphur	0.040 % (Max)	0.011
Phosphorus	0.040 % (Max)	0.017
Sulphur + Phosphorus	0.075 % (Max)	0.028
Manganese	-	0.792
Copper	-	BDL(DL- 0.014%)
Nickel	-	0.020
Chromium	-	0.077
Molybdenum	-	BDL(DL- 0.013%)
Vanadium	-	BDL(DL- 0.026%)
Aluminium	-	BDL(DL- 0.007%)
Nitrogen	0.012 % (Max)	BDL(DL- 0.005%)
Carbon Equivalent	0.50 (Max)	0.38

BDL: Below Detection Limit, DL- Detection Limit

Date of Test : 04.03.2021

Environmental Condition

Temperature, ° C : 24

Humidity (RH), % : 56

Place of Testing : At Laboratory

Type of Test : Determination of Chemical Composition

Procedure Followed : IS 8811: 1998 (RA 2018)

Tested by : G.V.Ramamurthy

Checked by : M.Annabackiam

Tested by

G.V. Ramamurthy
SLA (Chem)



M. Annabackiam
(M.Annabackiam)
Investigator (chem)
Authorized Signatory

Certificate No:
TC 5135



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Test Report for :
TMT Bar 8 mm Dia

Report No : 2100 1209

Date : 05.03.2021

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TEST REPORT

ULR NO : TC513521000001209P

Description of Sample : TMT Bar 8.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe - 500D)	Observed Value
1	Total Elongation at Maximum Force %*	5.0 (Min)	9.2
2	Mass* Kg/m	0.395(-8 % Min)	0.393
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.

*Non-Accredited parameters

Date of Test : 15/01/2021
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 70
Type of Test : Total Elongation, Mass & Re bend Test
Procedure Followed : IS:1608-2018& IS:1786-2008
Tested by :
G.V.Rangaraj
Assistant Director (Met)

T.P. Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test Report for :

TMT Bar 10 mm Dia

Report No : 2100 1210

Date : 05.03.2021

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TEST REPORT

ULR NO : TC513521000001210F

Description of Sample : TMT Bar 10.0 mm Dia

Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe - 500D)	Observed Value
1	1. Tensile Test		
	a) Tensile Strength, (N/mm ²)	565 (Min)	650
	b) Yield Strength(N/mm ²)	500 (Min)	542
	c) Elongation %	16.0 (Min)	20.3
	d) TS/YS Ratio	≥ 1.10	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

Date of Test : 15.01.2021

Environmental Condition
Temperature, ° C : 26.5

Humidity (RH), % : 70

Type of Test : Tensile & Bend Test

Procedure Followed : IS:1608-2018 & IS:1599-2012

Tested by

G.V. Rangarao
Assistant Director (Met)

T.P. Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test report for:

TMT Bar

Report No : **21001210**

Date : **05.03.2021**

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ULR NO: TC513521000001210F

Description of Sample /
Identification

TMT Bar 10 mm dia
Brand:AMMAN TRY

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008,Amendment No:3 (Mar 2017) Fe 500 D	Observed Value, In percent
Carbon	0.25 % (Max)	0.21
Sulphur	0.040 % (Max)	0.009
Phosphorus	0.040 % (Max)	0.015 (BDL (DL-0.016))
Sulphur + Phosphorus	0.075 % (Max)	0.024
Manganese	-	0.729
Copper	-	BDL(DL- 0.014%)
Nickel	-	BDL(DL- 0.018%)
Chromium	-	BDL(DL- 0.049%)
Molybdenum	-	BDL(DL- 0.013%)
Vanadium	-	BDL(DL- 0.026%)
Aluminium	-	BDL(DL- 0.007%)
Nitrogen	0.012 % (Max)	BDL(DL- 0.005%)
Carbon Equivalent	0.50 (Max)	0.33

BDL: Below Detection Limit, DL- Detection Limit

Date of Test : 04.03.2021

Environmental Condition

Temperature, ° C

Humidity (RH), %

Place of Testing

Type of Test

Procedure Followed

Tested by

Checked by

Tested by

G.V. Ramamurthy
SLA (Chem)



M. Annabackiam
(M. Annabackiam)
Investigator (chem)
Authorized Signatory



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Test Report for :
TMT Bar 10 mm Dia

Report No : 2100 1211
Date : 05.03.2021
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TEST REPORT

ULR NO : TC513521000001211P

Description of Sample : TMT Bar 10.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe - 500D)	Observed Value
1	Total Elongation at Maximum Force %*	5.0 (Min)	8.8
2	Mass* Kg/m	0.617(-8 % Min)	0.615
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.

*Non-Accredited parameters

Date of Test : 15/01/2021
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 70
Type of Test : Total Elongation, Mass & Re bend Test
Procedure Followed : IS:1608-2018& IS:1786-2008

Tested by

G.V. Rangarao
Assistant Director (Met)

T.P. Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test Report for :

TMT Bar 12 mm Dia

Report No : 2100 1212

Date : 05.03.2021

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ULR NO : TC513521000001212F

TEST REPORT

Description of Sample : TMT Bar 12.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe – 500D)	Observed Value
1	1. Tensile Test		
	a) Tensile Strength, (N/mm ²)	565 (Min)	624
	b) Yield Strength(N/mm ²)	500 (Min)	530
	c) Elongation %	16.0 (Min)	22.4
	d) TS/YS Ratio	≥ 1.10	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

Date of Test : 15.01.2021

Environmental Condition

Temperature, ° C : 26.5

Humidity (RH), % : 70

Type of Test : Tensile & Bend Test

Procedure Followed : IS:1608-2018 & IS:1599-2012

Tested by

G.V.Rangarao
Assistant Director (Met)

T.P.Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test report for:

TMT Bar

Report No : 21001212

Date : 05.03.2021

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ULR NO: TC513521000001212F

Description of Sample /
Identification

TMT Bar 12 mm dia
Brand:AMMAN TRY

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, Amendment No:3 (Mar 2017) Fe 500 D	Observed Value, In percent
Carbon	0.25 % (Max)	0.24
Sulphur	0.040 % (Max)	0.018
Phosphorus	0.040 % (Max)	0.015 (BDL (DL-0.016))
Sulphur + Phosphorus	0.075 % (Max)	0.033
Manganese	-	0.716
Copper	-	BDL(DL- 0.014%)
Nickel	-	BDL(DL- 0.018%)
Chromium	-	BDL(DL- 0.049%)
Molybdenum	-	BDL(DL- 0.013%)
Vanadium	-	BDL(DL- 0.026%)
Aluminium	-	0.010
Nitrogen	0.012 % (Max)	BDL(DL- 0.005%)
Carbon Equivalent	0.50 (Max)	0.36

BDL: Below Detection Limit, DL- Detection Limit

Date of Test : 04.03.2021

Environmental Condition

Temperature, ° C : 24

Humidity (RH), % : 56

Place of Testing : At Laboratory

Type of Test : Determination of Chemical Composition

Procedure Followed : IS 8811: 1998 (RA 2018)

Tested by : G.V.Ramamurthy

Checked by : M.Annabackiam

Tested by

G.V. Ramamurthy
SLA (Chem)



Certificate No:
TC 5135

(M.Annabackiam)
Investigator (chem)
Authorized Signatory



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Test Report for :
TMT Bar 12 mm Dia

Report No : 2100 1213

Date : 05.03.2021

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ULR NO : TC513521000001213P

TEST REPORT

Description of Sample : TMT Bar 12.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe – 500D)	Observed Value
1	Total Elongation at Maximum Force %*	5.0 (Min)	8.5
2	Mass* Kg/m	0.888(-6 % Min)	0.887
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.

*Non-Accredited parameters

Date of Test : 15/01/2021
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 70
Type of Test : Total Elongation, Mass & Re bend Test
Procedure Followed : IS:1608-2018& IS:1786-2008

Tested by

G.V.Rangarao
Assistant Director (Met)

T.P. Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test Report for :

TMT Bar 16 mm Dia

Report No : 2100 1214

Date : 05.03.2021

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ULR NO : TC513521000001214F

TEST REPORT

Description of Sample : TMT Bar 16.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe – 500D)	Observed Value
1	1. Tensile Test		
	a) Tensile Strength, (N/mm ²)	565 (Min)	662
	b) Yield Strength(N/mm ²)	500 (Min)	557
	c) Elongation %	16.0 (Min)	23.0
	d) TS/YS Ratio	≥ 1.10	1.18
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

Date of Test : 15.01.2021

Environmental Condition

Temperature, ° C : 26.5

Humidity (RH), % : 70

Type of Test : Tensile & Bend Test

Procedure Followed : IS:1608-2018 & IS:1599-2012

Tested by

G.V.Rangarao

Assistant Director (Met)

T.P. Vijayakumar

T.P.Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test report for:

TMT Bar

Report No : **21001214**

Date : **05.03.2021**

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ULR NO: TC513521000001214F

Description of Sample /
Identification

TMT Bar 16 mm dia
Brand:AMMAN TRY

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008,Amendment No:3 (Mar 2017) Fe 500 D	Observed Value, In percent
Carbon	0.25 % (Max)	0.19
Sulphur	0.040 % (Max)	0.024
Phosphorus	0.040 % (Max)	0.020
Sulphur + Phosphorus	0.075 % (Max)	0.044
Manganese	-	0.745
Copper	-	BDL(DL- 0.014%)
Nickel	-	BDL(DL- 0.018%)
Chromium	-	BDL(DL- 0.049%)
Molybdenum	-	BDL(DL- 0.013%)
Vanadium	-	BDL(DL- 0.026%)
Aluminium	-	0.012
Nitrogen	0.012 % (Max)	BDL(DL- 0.005%)
Carbon Equivalent	0.50 (Max)	0.31

BDL: Below Detection Limit, DL- Detection Limit

Date of Test : 04.03.2021

Environmental Condition

Temperature, ° C : 24

Humidity (RH), % : 56

Place of Testing : At Laboratory

Type of Test : Determination of Chemical Composition

Procedure Followed : IS 8811: 1998 (RA 2018)

Tested by : G.V.Ramamurthy

Checked by : M.Annabackiam

Tested by

G.V. Ramamurthy
SLA (Chem)



(M.Annabackiam)
Investigator (chem)
Authorized Signatory

Certificate No:
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Test Report for :
TMT Bar 16 mm Dia

Report No : 2100 1215

Date : 05.03.2021

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ULR NO : TC513521000001215P

TEST REPORT

Description of Sample : TMT Bar 16.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe – 500D)	Observed Value
1	Total Elongation at Maximum Force %*	5.0 (Min)	9.2
2	Mass* Kg/m	1.580(-6 % Min)	1.577
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.

*Non-Accredited parameters

Date of Test : 15/01/2021
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 70
Type of Test : Total Elongation, Mass & Re bend Test
Procedure Followed : IS:1608-2018& IS:1786-2008

Tested by

G.V. Rangarao
Assistant Director (Met)

T.P. Vijayakumar
Assistant Director (Met)
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Test Report for :

TMT Bar 20 mm Dia

Report No : 2100 1216

Date : 05.03.2021

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ULR NO : TC513521000001216F

TEST REPORT

Description of Sample : TMT Bar 20 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe - 500D)	Observed Value
1	1. Tensile Test		
	a) Tensile Strength, (N/mm ²)	565 (Min)	670
	b) Yield Strength(N/mm ²)	500 (Min)	560
	c) Elongation %	16.0 (Min)	22.5
	d) TS/YS Ratio	≥ 1.10	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

Date of Test : 15.01.2021

Environmental Condition

Temperature, ° C : 26.5

Humidity (RH), % : 70

Type of Test : Tensile & Bend Test

Procedure Followed : IS:1608-2018 & IS:1599-2012

Tested by

G.V. Rangarao
Assistant Director (Met)

T.P. Vijayakumar
Assistant Director (Met)
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Test report for:

TMT Bar

Report No : 21001216

Date : 05.03.2021

Page : 03 of 03

ULR NO: TC513521000001216F

Description of Sample /
Identification

TMT Bar 20 mm dia
Brand:AMMAN TRY

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008,Amendment No:3 (Mar 2017) Fe 500 D	Observed Value, In percent
Carbon	0.25 % (Max)	0.22
Sulphur	0.040 % (Max)	0.020
Phosphorus	0.040 % (Max)	0.016
Sulphur + Phosphorus	0.075 % (Max)	0.036
Manganese	-	0.616
Copper	-	BDL(DL- 0.014%)
Nickel	-	BDL(DL- 0.018%)
Chromium	-	BDL(DL- 0.049%)
Molybdenum	-	BDL(DL- 0.013%)
Vanadium	-	BDL(DL- 0.026%)
Aluminium	-	0.019
Nitrogen	0.012 % (Max)	BDL(DL- 0.005%)
Carbon Equivalent	0.50 (Max)	0.32

BDL: Below Detection Limit, DL- Detection Limit

Date of Test : 04.03.2021

Environmental Condition

Temperature, ° C : 24

Humidity (RH), % : 56

Place of Testing : At Laboratory

Type of Test : Determination of Chemical Composition

Procedure Followed : IS 8811: 1998 (RA 2018)

Tested by : G.V.Ramamurthy

Checked by : M.Annabackiam

Tested by

G.V. Ramamurthy
SLA (Chem)



Certificate No:
TC 5135

M. Annabackiam
(M.Annabackiam)
Investigator (chem)
Authorized Signatory



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CHENNAI - 600 032.

Test Report for :
TMT Bar 20 mm Dia

Report No : 2100 1217

Date : 05.03.2021

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ULR NO : TC513521000001217P

TEST REPORT

Description of Sample : TMT Bar 20.0 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe – 500D)	Observed Value
1	Total Elongation at Maximum Force %*	5.0 (Min)	10.2
2	Mass* Kg/m	2.470(-4 % Min)	2.471
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.

*Non-Accredited parameters

Date of Test : 15/01/2021
Environmental Condition :
Temperature, ° C : 26.5
Humidity (RH), % : 70
Type of Test : Total Elongation, Mass & Re bend Test
Procedure Followed : IS:1608-2018& IS:1786-2008

Tested by

G.V. Rangarao
Assistant Director (Met)

T.P. Vijayakumar
Assistant Director (Met)
Authorised Signatory



भारत सरकार
Government of India
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Ministry of Micro, Small & Medium Enterprises
एमएसएमई परीक्षण केन्द्र
MSME TESTING CENTRE
चेन्नै - 600 032.
CHENNAI - 600 032.

Test Report for :

TMT Bar 25 mm Dia

Report No : 2100 1218

Date : 05.03.2021

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ULR NO : TC513521000001218F

TEST REPORT

Description of Sample : TMT Bar 25 mm Dia
Identification : BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe - 500D)	Observed Value
1	1. Tensile Test		
	a) Tensile Strength, (N/mm ²)	565 (Min)	666
	b) Yield Strength(N/mm ²)	500 (Min)	554
	c) Elongation %	16.0 (Min)	21.7
	d) TS/YS Ratio	≥ 1.10	1.20
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

Date of Test : 15.01.2021

Environmental Condition

Temperature, ° C : 26.5

Humidity (RH), % : 70

Type of Test : Tensile & Bend Test

Procedure Followed : IS:1608-2018 & IS:1599-2012

Tested by

G.V.Rangarao
Assistant Director (Met)

T.P.Vijayakumar
Assistant Director (Met)
Authorised Signatory



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MSME TESTING CENTRE
चेन्नै - 600 032.
CHENNAI - 600 032.

Test report for:

TMT Bar

Report No : 21001218

Date : 05.03.2021

Page : 03 of 03

ULR NO: TC513521000001218F

Description of Sample /
Identification

TMT Bar 25 mm dia
Brand:AMMAN TRY

TEST RESULTS

Chemical Composition	Specified value as per IS:1786-2008, Amendment No:3 (Mar 2017) Fe 500 D	Observed Value, In percent
Carbon	0.25 % (Max)	0.23
Sulphur	0.040 % (Max)	0.017
Phosphorus	0.040 % (Max)	0.016
Sulphur + Phosphorus	0.075 % (Max)	0.033
Manganese	-	0.745
Copper	-	BDL(DL- 0.014%)
Nickel	-	BDL(DL- 0.018%)
Chromium	-	BDL(DL- 0.049%)
Molybdenum	-	BDL(DL- 0.013%)
Vanadium	-	BDL(DL- 0.026%)
Aluminium	-	0.011
Nitrogen	0.012 % (Max)	BDL(DL- 0.005%)
Carbon Equivalent	0.50 (Max)	0.35

BDL: Below Detection Limit, DL- Detection Limit

Date of Test : 04.03.2021

Environmental Condition

Temperature, ° C : 24

Humidity (RH), % : 56

Place of Testing : At Laboratory

Type of Test : Determination of Chemical Composition

Procedure Followed : IS 8811: 1998 (RA 2018)

Tested by : G.V.Ramamurthy

Checked by : M.Annabackiam

Tested by

G.V. Ramamurthy
SLA (Chem)



(M.Annabackiam)
Investigator (chem)
Authorized Signatory



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Test Report for :

TMT Bar 25.0mm Dia

Report No : 21001219

Date : 05.03.2020

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ULR NO : TC5135210000001219P

TEST REPORT

Description of Sample :

TMT Bar 25.0 mm Dia

Identification :

BN:AMMAN TRY

TEST RESULTS

Sl. No.	Type of Test	Specified Value as per IS: 1786-2008 (Fe - 500D)	Observed Value
1	Mass Kg/m	3.850(-4 %) (Min)	3.852
2	Total elongation at max force%	5.0	9.4
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.
4	The mean projected rib area per unit length mm ² /mm	0.17 ϕ i.e. 4.25 (Min)	5.40
5	The mean projected area of Transverse ribs alone, mm ² /mm	Shall be not less than one third of the value given above(i.e. 1/3 of 4.25 = 1.42 (Min)	5.40
6	Freedom from defects	The bars/wires shall be sound and free from surface defects and pipe or other defects detrimental to its subsequent processing/end use	No surface defects or other defects detrimental to its end use observed on visual examination

Above tests are Non-Accredited Parameters

Date of Test : 15-02-2021

Temperature & Humidity : 26° C & 70%

Place of Testing : At Laboratory

Type of Test : Mass ,Re bend, MPA & freedom of defects Test

Procedure Followed : IS:1608-2018& IS:1599-2012

Tested by

G.V. Rangarao

G.V. Rangarao
Assistant Director (Met)

T.P. Vijayakumar

T.P. Vijayakumar
Assistant Director (Met)
Authorised Signatory



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Test Report For :

TMT Bar 25.0 mm Dia

Certificate No : 2100 1219

Date : 05-03-2021

Page : 3 Total No. of Pages : 3

ULR NO : TC513521000001219P

TEST REPORT

Description of Sample :

TMT Bar 25.0 mm Dia
BN:AMMAN TRY

Identification :

1. PULL-OUT TEST *Clause : 5.7

a) Crushing Strength of concrete cube
(Average of 3 Samples)

--- 260 Kg/cm²

b) Age of Specimen

--- 28 days

c) Average load at a slip of 0.025 mm at
the free end

Plain Steel bar

TMT Re bar

1,600 N

2,320 N

d) Average load at a slip of 0.25 mm at
the free end

2,450 N

4,780 N

e) Average maximum load of failure

50,500 N

90,900 N

Above tests are Non-Accredited

Parameters

Date of Test

12/01/2021 to 09-02-2021

Temperature & Humidity

Ambient

Place of Testing

At Laboratory

Type of Test

Pullout

Procedure Followed

IS: 1786-2008 & IS: 2770 (Part -1) -1967

Tested by

G.V. Rangarao

G.V. Rangarao

Assistant Director (Met)

T.P. Vijayakumar

T.P. Vijayakumar

Assistant Director (Met)

Authorised Signatory