



CHENNAI METTEX LAB PRIVATE LIMITED

Jothi Complex, 83, M.K.N. Road, Guindy, Chennai - 600 032.



TC-5388

TEST REPORT

Page:1 of 1

ISSUED TO : M/s. Amman Try Sponge and Power P Ltd,
SF No.268 - 271, Sinasanambedu Village,
Pellakuru Mandal, Nayudupeta,
Dist Nellore-524 129,
Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049848

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 14/08/2025

Laboratory No : 2623123/001

ULR : TC558925000057847F

Sample Description : 8 mm TMT Bar, Grade: Fe 550D IS 1786 : 2008.
(as stated by customer) Brand Name: AMMAN TRY

Discipline : Chemical Group : Metals & Alloys Sub Group: Low Alloy

Chemical Analysis :		Test Method : OES - ASTM E 415 - 2021, IS 228 (Part 23): 2003
S.No	Characteristics Test	Results
1	Carbon, (%)	0.222
2	Silicon, (%)	0.213
3	Sulphur, (%)	0.023
4	Phosphorus, (%)	0.028
5	Nitrogen, (%)	0.008
6	Sulphur + Phosphorus, (%)	0.051
7	Carbon Equivalent, (%)	0.390

End of Report

For Chennai Mettex Lab Private Limited

Reviewed & Authorized by
M. UMA MAHESWARI
Technical Manager
Authorized Signatory

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TEST REPORT

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ISSUED TO : M/s. Amman Try Sponge and Power P Ltd,
SF No 268 - 271, Sinasanambedu Village,
Pellakuru Mandal, Nayudupeta,
Dist Nellore-524 129,
Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049848-A
Test Certificate Date : 14/08/2025
Date of Receipt : 12/08/2025
Analysis Commenced On : 12/08/2025
Analysis Completed On : 14/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2823123/001

Sample Description : 8 mm TMT Bar. IS.1786 : 2008. Grade: Fe 550D.
(as stated by customer) Brand Name: AMMAN TRY.

Chemical Analysis :			
S.No	Characteristics Test	Test method	Results
1	Manganese, (%)	IS 228 (Part 12): 2001	0.65
2	Copper, (%)	IS 228 (part 15)-1992 (RA2001)	0.23

End of Report

For Chennai Mettex Lab Private Limited



Reviewed & Approved by
M. UNIA MAHESWARI
Technical Manager
Authorized Signatory

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SF No.268 - 271, Sinasanambedu Village,
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Dist Nellore-524 129,
Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049849

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 1/08/2025

Laboratory No : 2623123/002

ULR : TC558925000057848F

Sample Description : 10 mm TMT Bar. IS 1786 - 2008. Grade: Fe 550D
(as stated by customer) Brand Name: AMMAN TRY

Discipline : Chemical Group : Metals & Alloys Sub Group: Low Alloy

Chemical Analysis :		Test Method : OES – ASTM E 415 – 2021, IS 228 (Part 23): 2003
S.No	Characteristics Test	Results
1	Carbon, (%)	0.234
2	Silicon, (%)	0.171
3	Sulphur, (%)	0.027
4	Phosphorus, (%)	0.033
5	Nitrogen, (%)	0.010
6	Sulphur + Phosphorus, (%)	0.060
7	Carbon Equivalent, (%)	0.388

End of Report

For Chennai Mettex Lab Private Limited


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Technical Manager
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Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/002

Analysis Completed On : 14/08/2025

Sample Description : 10 mm TMT Bar. IS 1786 : 2008. Grade: Fe 550D.
(as stated by customer) Brand Name: AMMAN TRY

Chemical Analysis :			
S.No	Characteristics Test	Test method	Results
1	Manganese, (%)	IS 228 (Part 12): 2001	0.49
2	Copper, (%)	IS 228 (part 15)-1992 (RA2001)	0.23

End of Report

For Chennai Mettex Lab Private Limited



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Technical Manager
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Test Certificate No : CML/25-26/T049850

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 14/08/2025

Laboratory No : 2623123/003

ULR : TC558925000057849F

Sample Description : 12 mm TMT Bar, IS 1786 : 2008,Grade: Fe 550D
(as-stated by customer) Brand Name: AMMAN TRY

Discipline : Chemical Group : Metals & Alloys Sub Group: Low Alloy

Chemical Analysis :		Test Method : OES – ASTM E 415 – 2021, IS 228 (Part 23): 2003
S.No	Characteristics Test	Results
1	Carbon, (%)	0.209
2	Silicon, (%)	0.285
3	Sulphur, (%)	0.020
4	Phosphorus, (%)	0.018
5	Nitrogen, (%)	0.009
6	Sulphur + Phosphorus, (%)	0.038
7	Carbon Equivalent, (%)	0.366

End of Report

For Chennai Mettex Lab Private Limited



M. Usha

M. Usha
Technical Manager
Authorised Signatory

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Dist Nellore-524-129,
Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049851

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/004

Analysis Completed On : 14/08/2025

ULR : TC558925000057850F

Sample Description : 16 mm TMT Bar, IS 1786 : 2008 Grade: Fe 550D
(as stated by customer) Brand Name : AMMAN TRY

Discipline : Chemical Group : Metals & Alloys Sub Group: Low Alloy

Chemical Analysis :		Test Method : OES – ASTM E 415 – 2021, IS 228 (Part 23); 2003
S.No	Characteristics Test	Results
1	Carbon, (%)	0.177
2	Silicon, (%)	0.135
3	Sulphur, (%)	0.017
4	Phosphorus, (%)	0.024
5	Nitrogen, (%)	0.010
6	Sulphur + Phosphorus, (%)	0.041
7	Carbon Equivalent, (%)	0.320

End of Report



For Chennai Mettex Lab Private Limited

M. Uma Maheswari
Reviewed & Authorised by
M. UMA MAHESWARI
Technical Manager
Authorised Signatory

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Test Certificate No : CML/25-26/T049851

Test Certificate Date : 14/08/2025

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Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 14/08/2025

Laboratory No : 2623123/004

ULR : TC558925000031363F

Sample Description : 16 mm TMT Bar IS 1786 : 2008, Grade: Fe 550D
(as stated by customer) Brand Name : AMMAN TRY

Chemical Analysis :			
S.No	Characteristics Test	Test method	Results
1	Manganese, (%)	IS 228 (Part 12): 2001	0.52
2	Copper, (%)	IS 228 (part 15)-1992 (RA2001)	0.23

End of Report



For Chennai Mettlex Lab Private Limited

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M. UMA MAHESWARU
Technical Manager
Authorised Signatory

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Test Certificate No : CML/25-26/T049852

Test Certificate Date : 14/08/2025

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Customer Reference : Letter Date : 11.08.2025

Analysis Commenced On : 12/08/2025

Laboratory No : 2623123/005

Analysis Completed On : 14/08/2025

ULR : TC558925000057851F

Sample Description : 20 mm TMT Bar. IS 1786 : 2008. Grade: Fe 550D
(as stated by customer) Brand Name: AMMAN TRY

Discipline : Chemical Group : Metals & Alloys-Sub Group: Low Alloy

Chemical Analysis :		Test Method : OES – ASTM E 415 – 2021, IS 228 (Part 23): 2003
S.No	Characteristics Test	Results
1	Carbon, (%)	0.161
2	Silicon, (%)	0.281
3	Sulphur, (%)	0.020
4	Phosphorus, (%)	0.027
5	Nitrogen, (%)	0.008
6	Sulphur + Phosphorus, (%)	0.047
7	Carbon Equivalent, (%)	0.324

End of Report



For Chennai Mettex Lab Private Limited

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Technical Manager
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SF No.268 - 271, Sinasanambedu Village,
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Dist Nellore-524 129,
Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049853

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 14/08/2025

Laboratory No : 2623123/006

ULR : TC558925000057852F

Sample Description : 25 mm TMT Bar. IS 1786 : 2008. Grade: Fe 550D.
(as stated by customer) Brand Name: AMMAN TRY

Discipline : Chemical Group : Metals & Alloys Sub Group: Low Alloy

Chemical Analysis :		Test Method : OES – ASTM E 415 – 2021, IS 228 (Part 23): 2003
S.No	Characteristics Test	Results
1	Carbon, (%)	0.180
2	Silicon, (%)	0.181
3	Sulphur, (%)	0.021
4	Phosphorus, (%)	0.023
5	Nitrogen, (%)	0.008
6	Sulphur + Phosphorus, (%)	0.044
7	Carbon Equivalent, (%)	0.320

End of Report

For Chennai Mettex Lab Private Limited



M. Uma Maheswari

Reviewed & Authorised by
M. UMA MAHESWARI
Technical Manager
Authorised Signatory

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Test Certificate No : CML/25-26/T049854

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Commenced On : 12/08/2025

Laboratory No : 2623123/007

Analysis Completed On : 14/08/2025

ULR : TC558925000057853F

Sample Description : 32 mm TMT Bar. IS 1786 - 2008. Grade: Fe 550D
(as stated by customer) Brand Name: AMMAN TRY

Discipline : Chemical Group : Metals & Alloys Sub Group: Low Alloy

Chemical Analysis :		Test Method : OES - ASTM E 415 - 2021, IS 228 (Part 23): 2003
S.No	Characteristics Test	Results
1	Carbon, (%)	0.188
2	Silicon, (%)	0.207
3	Sulphur, (%)	0.020
4	Phosphorus, (%)	0.025
5	Nitrogen, (%)	0.008
6	Sulphur + Phosphorus, (%)	0.045
7	Carbon Equivalent, (%)	0.313

End of Report



For Chennai Mettex Lab Private Limited

Reviewed & Authorised by
M. UMA MAHESWARI
Technical Manager
Authorised Signatory

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Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 14/08/2025

Laboratory No : 2623123/007

ULR : TC558925000031366F

Sample Description : 32 mm TMT Bar. IS 1786 : 2008. Grade: Fe 550D
(as stated by customer) Brand Name: AMMAN TRY

Chemical Analysis :			
S.No	Characteristics Test	Test method	Results
1	Manganese, (%)	IS 228 (Part 12): 2001	0.56
2	Copper, (%)	IS 228 (part 15)-1992 (RA2001)	0.22

End of Report

For Chennai Mettex Lab Private Limited

Reviewed & Approved by
M. UMA MAHESWARI
Technical Manager
Authorised Signatory

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Test Certificate No : CML/25-26/T049855

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 13/08/2025

Laboratory No : 2623123/008

ULR : TC558925000057854F

Sample Description : 8 mm TMT Bar. Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY
(as stated by customer)

Discipline : Mechanical Group : Mechanical Properties of Metals

Mechanical Properties :		Test Method : IS 1608 (Pt.1) : 2022, IS 1599 - 2023, IS 1786 - 2008
S. No	Characteristics Test	Findings
1	Mass per Meter, kgs	0.381
2	Tensile Strength, N/mm ²	618.17
3	Yield Strength, N/mm ²	552.04
4	Elongation on 5.65 $\sqrt{S_0}$ mm G.L (%)	21.45
4	Mean Projected RIB Area, mm ² /mm	1.054
5	Bend Test	No Crack
6	Rebend Test	No Crack

End of Report

For Chennai Mettex Lab Private Limited



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G. PRABAGARAN
Technical Manager
Authorised Signatory

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Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/008

Analysis Completed On : 13/08/2025

Sample Description : 8 mm TMT Bar, Grade: Fe 550D IS 1786 : 2008, Brand Name: AMMAN TRY
(as stated by customer)

Mechanical Properties :		Test Method : IS 1786 - 2008
S. No	Characteristics Test	Findings
1	TS/YS ratio, N/mm ²	1.12
2	Total Elongation @ Maximum Force, (%)	15.37

End of Report

For Chennai Mettex Lab Private Limited



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G. PRABAKARAN
Technical Manager
Authorised Signatory

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Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049856

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/009

Analysis Completed On : 13/08/2025

ULR : TC558925000057855F

Sample Description : 10 mm TMT Bar, Grade: Fe 550D IS 1786 : 2008, Brand Name: AMMAN TRY
(as stated by customer)

Discipline : Mechanical Group : Mechanical Properties of Metals

Mechanical Properties :		Test Method : IS 1608 (Pt.1) : 2022, IS 1599 - 2023, IS 1786 - 2008
S. No.	Characteristics Test	Findings
1	Mass per Meter, kgs	0.589
2	Tensile Strength, N/mm ²	656.80
3	Yield Strength, N/mm ²	554.18
4	Elongation on 5.65 $\sqrt{S_0}$ mm G.L (%)	20.82
4	Mean Projected RIB Area, mm ² /mm	1.533
5	Bend Test:	No Crack
6	Rebend Test	No Crack

End of Report

For Chennai Mettex Lab Private Limited



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G. PRABAGARAN
Technical Manager
Authorised Signatory

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TEST REPORT

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ISSUED TO : M/s. Amman Try Sponge and Power P Ltd,
SF No.268 - 271, Sinasanambedu Village,
PellakunuMandal, Nayudupeta,
Dist Nellore-524 129,
Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049856-A

Test Certificate Date : 14/08/2025

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Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 13/08/2025

Laboratory No : 2623123/009

ULR : TC558925000031368F

Sample Description : 10 mm TMT Bar. Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY
(as stated by customer)

Mechanical Properties :		Test Method : IS 1786 - 2008
S. No	Characteristics Test	Findings
1	TS/YS ratio, N/mm ²	1.19
2	Total Elongation @ Maximum Force, (%)	14.00

End of Report

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TC-5589

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Dist Nellore-524 129,
Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049857

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/010

Analysis Completed On : 13/08/2025

ULR : TC558925000057856F

Sample Description : 12 mm TMT Bar. Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY.
(as stated by customer)

Discipline : Mechanical Group : Mechanical Properties of Metals

Mechanical Properties :		Test Method : IS 1608 (Pt.1) : 2022, IS 1599 - 2023, IS 1786 - 2008
S. No	Characteristics Test	Findings
1	Mass per Meter, kgs	0.872
2	Tensile Strength, N/mm ²	674.65
3	Yield Strength, N/mm ²	560.86
4	Elongation on 5.65 \times S ₀ mm G.L (%)	21.83
4	Mean Projected RIB Area, mm ² /mm	1.878
5	Bend Test	No Crack
6	Rebend Test	No Crack

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Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049857-A

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Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/010

Analysis Completed On : 13/08/2025

Sample Description : 12 mm TMT Bar, Grade: Fe 550D IS 1786 - 2008. Brand Name: AMMAN TRY
(as stated by customer)

Mechanical Properties :		Test Method : IS 1786 - 2008
S. No	Characteristics Test	Findings
1	TS/YS ratio, N/mm ²	1.20
2	Total Elongation @ Maximum Force, (%)	12.56

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Test Certificate No : CML/25-26/T049858

Test Certificate Date : 14/08/2025

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Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/011

Analysis Completed On : 13/08/2025

ULR : TC558925000057857F

Sample Description : 16-mm TMT Bar. Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY
(as stated by customer)

Discipline :Mechanical Group : Mechanical Properties of Metals

Mechanical Properties :		Test Method : IS 1608 (Pt.1) : 2022, IS 1599 - 2023, IS 1786 - 2008
S. No	Characteristics Test	Findings
1	Mass per Meter, kgs	1.536
2	Tensile Strength, N/mm ²	638.89
3	Yield Strength, N/mm ²	552.26
4	Elongation on 5.65 $\sqrt{S_0}$ mm G.L (%)	21.89
4	Mean Projected RIB Area, mm ² /mm	3.316
5	Bend Test	No Crack
6	Rebend Test	No Crack

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For Chennai Mettex Lab Private Limited



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Technical Manager
Authorised Signatory

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Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049858-A

Test Certificate Date : 14/08/2025

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Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/011

Analysis Completed On : 13/08/2025

Sample Description : 16 mm TMT Bar. Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY
(as stated by customer)

Mechanical Properties :		Test Method : IS 1786 - 2008
S. No	Characteristics Test	Findings
1	TS/Y.S ratio, N/mm ²	1.15
2	Total Elongation @ Maximum Force, (%)	12.50

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TC-5559

TEST REPORT

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Test Certificate No : CML/25-26/T049859

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 13/08/2025

Laboratory No : 2623123/012

ULR : TC558925000057858F

Sample Description : 20 mm TMT Bar. Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY
(as stated by customer)

Discipline : Mechanical Group : Mechanical Properties of Metals

Mechanical Properties :		Test Method : IS 1608 (Pt.1) : 2022, IS 1599 - 2023, IS 1786 - 2008
S. No	Characteristics Test	Findings
1	Mass per Meter, kgs	2.457
2	Tensile Strength, N/mm ²	679.41
3	Yield Strength, N/mm ²	571.10
4	Elongation on 5.65√S ₀ mm G.L (%)	19.53
4	Mean Projected RIB Area, mm ² /mm	4.378
5	Bend Test	No Crack
6	Rebend Test	No Crack

End of Report

For Chennai Mettex Lab Private Limited



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Technical Manager
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Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/012

Analysis Completed On : 13/08/2025

Sample Description : 20 mm TMT Bar. Grade: Fe 550D IS 1786 - 2008. Brand Name: AMMAN TRY
(as stated by customer)

Mechanical Properties :		Test Method : IS 1786 - 2008
S. No	Characteristics Test	Findings
1	TS/YS ratio, N/mm ²	1.19
2	Total Elongation @ Maximum Force, (%)	13.13

End of Report

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Test Certificate No : CML/25-26/T049860

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 13/08/2025

Laboratory No : 2623123/013

ULR : TC558925000057859F

Sample Description : 25 mm TMT Bar. Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY.
(as stated by customer)

Discipline : Mechanical Group : Mechanical Properties of Metals

Mechanical Properties :		Test Method : IS 1608 (Pt.1) : 2022, IS 1599 - 2023, IS 1786 - 2008
S. No	Characteristics Test	Findings
1	Mass per Meter, kgs	3.819
2	Tensile Strength, N/mm ²	692.61
3	Yield Strength, N/mm ²	572.26
4	Elongation on 5.65 $\sqrt{S_0}$ mm G.L (%)	18.08
4	Mean Projected RIB Area, mm ² /mm	4.998
5	Bend Test	No Crack
6	Rebend Test	No Crack

End of Report

For Chennai Mettex Lab Private Limited



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Test Certificate No : CML/25-26/T049860-A

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Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Analysis Completed On : 13/08/2025

Laboratory No : 2623123/013

Sample Description : 25 mm TMT Bar, Grade: Fe 550D IS 1786 : 2008. Brand Name: AMMAN TRY
(as stated by customer)

Mechanical Properties :		Test Method : IS 1786 - 2008
S. No	Characteristics Test	Findings
1	TS/YS ratio, N/mm ²	1.21
2	Total Elongation @ Maximum Force, (%)	11.12

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TC-5589



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Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049861

Test Certificate Date : 14/08/2025

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Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/014

Analysis Completed On : 13/08/2025

ULR : TC558925000057860F

Sample Description : 32 mm TMT Bar, Grade: Fe 550D IS 1786 - 2008. Brand Name: AMMAN TRY
(as stated by customer)

Discipline : Mechanical Group : Mechanical Properties of Metals

Mechanical Properties :		Test Method : IS 1608 (Pt.1) : 2022, IS 1599 - 2023, IS 1786 - 2008
S. No	Characteristics Test	Findings
1	Mass per Meter, kgs	6.263
2	Tensile Strength, N/mm ²	688.45
3	Yield Strength, N/mm ²	571.08
4	Elongation on 5.65 $\sqrt{S_0}$, mm G.L (%)	19.23
4	Mean Projected RIB Area, mm ³ /mm	7.872
5	Bend Test	No Crack
6	Rebend Test	No Crack

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Andhra Pradesh, India.

Test Certificate No : CML/25-26/T049861-A

Test Certificate Date : 14/08/2025

Date of Receipt : 12/08/2025

Analysis Commenced On : 12/08/2025

Customer Reference : Letter Date : 11.08.2025

Laboratory No : 2623123/014

Analysis Completed On : 13/08/2025

ULR : TC558925000031373F

Sample Description : 32 mm TMT Bar. Grade: Fe 550D IS:1786 : 2008. Brand Name: AMMAN TRY
(as stated by customer)

Mechanical Properties :		Test Method : IS 1786 - 2008
S. No	Characteristics Test	Findings
1	TS/YS ratio, N/mm ²	1.21
2	Total Elongation @ Maximum Force, (%)	12.50

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