



HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011

(According to EN 10204 Type 3.1)

Test Certificate : HR/21-22/0002165563

To M/S. BALU IRON AND STEEL COMPANY

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 20.12.2025

SO No./ Item : 401495905 / 60

Product : HR STEEL COILS

PO No. : JAN'22 ORDERS

It is certified that the material described below fully conforms to IS 2062_2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6161963 are as indicated below against each order No. Etc.

(PLEASE REFER TO IS 2062_2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS 2062_2011 E250BR			QTY (MT)	TEST RESULTS																			
				C %	Mn %	S %	P %	Si %	Al %	N %	Nb %	Ti %	CE Long	V %	TEN DIR YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result		
Heat No.	Coil No.	Nominal Size (MM)	Min	0.020											250	410	5.65	23.00	2T				
		T	X	W	X	L	UD	Max	0.2300	1.50	0.045	0.045	0.400	0.0120		0.420							
G881978	21160890	8.000 X 1250.0 X Coil P	22.650	0.1450	0.72	0.005	0.019	0.137	0.040	0.0032	0.0010	0.003	0.270	0.0010	Tr	336	465	5.65	33.00	Tr	2t	Pass	
Total Weight in Metric Tonnes			22.650	Grand Total of Coils/Pkt/Bundles/Slab								1											

This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerances. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 711032920
Invoice No. : 7104127221
GST Invoice No : 21VJ2900442023
Mode of Transport : Rail
Vehicle No. :
LC No. :

Process Route : BOF-ARS-LHF-CASTER

Legends: BOF = Basic Oxygen Furnace, LHF = Laddle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Laddle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel

Remarks :



Authorized Signatory
For JSW Steel Ltd.



HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011

(According to EN 10204 Type 3.1)

Test Certificate : HR/21-22/0002165563

To M/S. BALU IRON AND STEEL COMPANY

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 20.12.2025

SO No./ Item : 401495905 / 60

Product : HR STEEL COILS

PO No. : JAN'22 ORDERS

It is certified that the material described below fully conforms to IS 2062_2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6161963 are as indicated below against each order No. Etc.

(PLEASE REFER TO IS 2062_2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS 2062_2011 E250BR			QTY (MT)	TEST RESULTS																			
				C %	Mn %	S %	P %	Si %	Al %	N %	Nb %	Ti %	CE Long	V %	TEN DIR YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result		
Heat No.	Coil No.	Nominal Size (MM)	Min	0.020											250	410	5.65	23.00	2T				
		T	X	W	X	L	UD	Max	0.2300	1.50	0.045	0.045	0.400	0.0120		0.420							
G881978	21160890	8.000 X 1250.0 X Coil P	22.650	0.1450	0.72	0.005	0.019	0.137	0.040	0.0032	0.0010	0.003	0.270	0.0010	Tr	336	465	5.65	33.00	Tr	2t	Pass	
Total Weight in Metric Tonnes			22.650	Grand Total of Coils/Pkt/Bundles/Slab								1											

This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerances. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 711032920
Invoice No. : 7104127221
GST Invoice No : 21VJ2900442023
Mode of Transport : Rail
Vehicle No. :
LC No. :

Process Route : BOF-ARS-LHF-CASTER

Legends: BOF = Basic Oxygen Furnace, LHF = Laddle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Laddle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel

Remarks :



Authorized Signatory
For JSW Steel Ltd.



JSW STEEL LIMITED

Vijayanagar Works, PO- Vidyanagar, Village-Toranagallu, Dist: Bellary, Karnataka-583275, INDIA
 Regd. Office: JSW Centre , Bandra Kurla Complex , Bandra (East) , Mumbai - 400 051

HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011

(According to EN 10204 Type 3.1)

IS 2062_2011



CM/L - 6161963

Test Certificate : HR/25-26/0002165564

To M/S. BALU IRON AND STEEL COMPANY

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 20.12.2025

SO No./ Item : 401495905 / 60

Product : HR STEEL COILS

PO No. : JAN'22 ORDERS

It is certified that the material described below fully conforms to IS 2062_2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6161963 are as indicated below against each order No. Etc.

(PLEASE REFER TO IS 2062_2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS 2062_2011 E250A			QTY (MT)	TEST RESULTS																			
				C %	Mn %	S %	P %	Si %	Al %	N %	Nb %	Ti %	CE Long	V %	TEN DIR YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result		
Heat No.	Coil No.	Nominal Size (MM)	Min	0.020											250	410	5.65	23.00	2T				
Mother Coil		T X W X L UD	Max	0.2300	1.50	0.045	0.045	0.400		0.0120			0.420										
D880355	22000501	8.000 X 1250.0 X Coil P	22.915	0.1400	0.76	0.008	0.016	0.121	0.039	0.0024	0.0010	0.003	0.270	0.0010	Tr	351	474	5.65	33.00	Tr	2t	Pass	
Total Weight in Metric Tonnes			22.915	Grand Total of Coils/Pkt/Bundles/Slab								1											

This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerances. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 711032921
 Invoice No. : 7104127223
 GST Invoice No : 21VJ2900442025
 Mode of Transport : Rail
 Vehicle No. :
 LC No. :

Process Route : BOF-ARS-LHF-CASTER

Legends: BOF = Basic Oxygen Furnace, LHF = Laddle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Laddle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel

Remarks :




 C. Madhusudhan.R.
 Authorised Signatory
 For JSW Steel Ltd.



HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011

(According to EN 10204 Type 3.1)

Test Certificate : HR/25-26/0002165195

To M/S. BALU IRON AND STEEL COMPANY

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 20.01.2026

SO No./ Item : 401495905 / 60

Product : HR STEEL COILS

PO No. : JAN'22 ORDERS

It is certified that the material described below fully conforms to IS 2062_2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6161963 are as indicated below against each order No. Etc.

(PLEASE REFER TO IS 2062_2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS 2062_2011 E250A			QTY (MT)	TEST RESULTS																		
				C %	Mn %	S %	P %	Si %	Al %	N %	Nb %	Ti %	CE Long	V %	TEN DIR YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result	
Heat No.	Coil No.	Nominal Size (MM)	Min	0.020											250	410	5.65	23.00	2T			
Mother Coil		T X W X L UD	Max	0.2300	1.50	0.045	0.045	0.400	0.0120			0.420										
D881324	22001954	8.000 X 1250.0 X Coil P	22.665	0.1570	0.72	0.005	0.013	0.125	0.052	0.0036	0.0010	0.003	0.282	0.0010	Tr	311	456	5.65	36.00	Tr	2t	Pass
Total Weight in Metric Tonnes			22.665	Grand Total of Coils/Pkt/Bundles/Slab							1											

This is to certify that the above mentioned product produced & supplied by JSW Steel Ltd do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerances. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 711020133	Process Route :	BOF-ARS-LHF-CASTER
Invoice No. : 7104127241	Legends:	BOF = Basic Oxygen Furnace, LHF = Laddle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Laddle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel
GST Invoice No : 21VJ2900442043	Remarks :	
Mode of Transport : Rail		
Vehicle No. :		
LC No. :		



Authorized Signatory

For JSW Steel Ltd.


HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011

(According to EN 10204 Type 3.1)

Test Certificate : HR/25-26/0004703306

To M/S. Balu Iron and Steel Company

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 31.12.2025

SO No./ Item : 403025352 / 160

Product : HR STEEL COILS

PO No. : DEC-25

It is certified that the material described below fully conforms to IS 2062_2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6161963 are as indicated below against each order No. Etc.

(PLEASE REFER TO IS 2062_2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS2062_2011 E250A			QTY (MT)	C %	Mn %	S %	P %	Si %	Al %	N %	Nb %	Ti %	CE Long	V %	TEN DIR YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result		
Heat No.	Coil No.	Nominal Size (MM)	Min	0.020											250	410	5.65	23.00	2T				
Mother Coil		T X W X L UD	Max	0.2300	1.50	0.045	0.045	0.400		0.0120			0.420										
M253405B	25688644	8.000 X 1500.0 X Coil P	31.740	0.1600	0.83	0.004	0.010	0.055	0.040	0.0087	0.001	0.001	0.304	0.003	Tr	299	441	5.65	36.00	Tr	2t	Pass	
Total Weight in Metric Tonnes			31.740	Grand Total of Coils/Pkt/Bundles/Slab								1											

This is to certify that the above mentioned product produced & supplied by us, do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerences. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 720455833	Process Route : BOF-ARS-LHF-CASTER	
Invoice No. : 7108854422	Legends: BOF = Basic Oxygen Furnace, LHF = Laddle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Laddle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel	
GST Invoice No : 25VJ2900441575		
Mode of Transport : Rail		
Vehicle No. :		
LC No. :	Remarks :	



Authorized Signatory



JSW VIJAYANAGAR METALLICS LIMITED
FIRST FLOOR, ROOM NO.8, HSM 1 OLD LAB,JSW STEEL LIMITED-TORANAGALLU,Dist: Ballari, Karnataka, 583275
Regd. Office: 5th Floor,JSW Centre , Bandra Kurla Complex ,Bandra (East) , Mumbai, Mumbai City, Maharastra,
HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011
(According to EN 10204 Type 3.1)

IS 2062



CM/L - 6800137911

Test Certificate : HR/25-26/0004636145

To M/S. Balu Iron and Steel Company

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 29.11.2025

SO No./ Item : 402986404 / 70

Product : HR STEEL COILS

PO No. : NOVEMBER ORDER 2025

It is certified that the material described below fully conforms to IS 2062. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6800137911 are as indicated below against each order No. Etc.

(PLEASE REFER TO **IS 2062** FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS2062_2011 E250BR			QTY (MT)	TEST RESULTS																							
				C %	Mn %	S %	P %	Si %	Al %	N %	Nb+V+Ti	CE	Long	TEN	DIR	YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result	IMP TEMP	IMP SAMP D	IMP JOULE		
Heat No.	Coil No.	Nominal Size (MM)	Min	0.020										250	410	5.65	23.00	2T									
Mother Coil		T X W X L UD	Max	0.2200	1.50	0.045	0.045	0.400		0.0120			0.410														
I109106	2668525	8.000 X 1250.0 X Coil P	26.205	0.1570	0.53	0.007	0.014	0.080	0.050	0.0041	0.026	0.251	Tr	311	462	5.65	32.00	Tr	2t	Pass	25.0	Tr	121				
Total Weight in Metric Tonnes			26.205	Grand Total of Coils/Pkt/Bundles/Slab								1															

This is to certify that the above mentioned product produced & supplied by us, do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerences. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 720161930	Process Route : BOF-ARS-LHF-CASTER
Invoice No. : 0094371829	Legends: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Ladle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel
GST Invoice No : 25JM2992096055	
Mode of Transport : Rail	
Vehicle No. :	
LC No. :	Remarks :




Authorized Signatory


HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011

(According to EN 10204 Type 3.1)

Test Certificate : HR/25-26/0004703306

To M/S. Balu Iron and Steel Company

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 31.12.2025

SO No./ Item : 403025352 / 160

Product : HR STEEL COILS

PO No. : DEC-25

It is certified that the material described below fully conforms to IS 2062_2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6161963 are as indicated below against each order No. Etc.

(PLEASE REFER TO IS 2062_2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS2062_2011 E250A			QTY (MT)	C %	Mn %	S %	P %	Si %	Al %	N %	Nb %	Ti %	CE Long	V %	TEN DIR YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result		
Heat No.	Coil No.	Nominal Size (MM)	Min	0.020											250	410	5.65	23.00	2T				
Mother Coil		T X W X L UD	Max	0.2300	1.50	0.045	0.045	0.400		0.0120			0.420										
M253405B	25688644	8.000 X 1500.0 X Coil P	31.740	0.1600	0.83	0.004	0.010	0.055	0.040	0.0087	0.001	0.001	0.304	0.003	Tr	299	441	5.65	36.00	Tr	2t	Pass	
Total Weight in Metric Tonnes			31.740	Grand Total of Coils/Pkt/Bundles/Slab								1											

This is to certify that the above mentioned product produced & supplied by us, do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerences. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 720455833	Process Route : BOF-ARS-LHF-CASTER	
Invoice No. : 7108854422	Legends: BOF = Basic Oxygen Furnace, LHF = Laddle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Laddle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel	
GST Invoice No : 25VJ2900441575		
Mode of Transport : Rail		
Vehicle No. :		
LC No. :	Remarks :	



Authorized Signatory



JSW VIJAYANAGAR METALLICS LIMITED
FIRST FLOOR, ROOM NO.8, HSM 1 OLD LAB,JSW STEEL LIMITED-TORANAGALLU,Dist: Ballari, Karnataka, 583275
Regd. Office: 5th Floor,JSW Centre , Bandra Kurla Complex ,Bandra (East) , Mumbai, Mumbai City, Maharastra,
HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062_2011
(According to EN 10204 Type 3.1)

IS 2062



CM/L - 6800137911

Test Certificate : HR/25-26/0004691469

To M/S. Balu Iron and Steel Company

NO:6 FLAT NO:204

COIMBATORE - 641006 Region: 22

Date : 26.12.2025

SO No./ Item : 403031933 / 60

Product : HR STEEL COILS

PO No. : DEC DISP ORDER

It is certified that the material described below fully conforms to IS 2062. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks Licence No. CM/L - 6800137911 are as indicated below against each order No. Etc.

(PLEASE REFER TO **IS 2062** FOR DETAILS OF SPECIFICATION REQUIREMENTS)

TEST RESULTS

Specification: IS2062_2011 E250BR			QTY (MT)	C %	Mn %	S %	P %	Si %	Al %	N %	Nb+V+Ti	CE	Long	TEN	DIR	YS (Mpa)	UTS (MPa)	GL (mm)	EL%	Bend Dir	Bend Radius	Bend Result	IMP TEMP	IMP SAMP D	IMP JOULE	
Heat No.	Coil No.	Nominal Size (MM) T X W X L UD	Min		0.020											250	410	5.65	23.00		2T					
Mother Coil			Max	0.2200	1.50	0.045	0.045	0.400		0.0120			0.410													
I110091	25343084	8.000 X 1500.0 X Coil P	31.610	0.1580	0.63	0.005	0.019	0.080	0.040	0.0041	0.028	0.268	Tr	326	484	5.65	28.00	Tr	2t	Pass	25.0	Tr		87		
Total Weight in Metric Tonnes			31.610	Grand Total of Coils/Pkt/Bundles/Slab								1														

This is to certify that the above mentioned product produced & supplied by us, do not contain any radio active element higher than the natural level and it confirms to Standard Rolling, Dimensional & Weight tolerences. The product or packing material does not contain any hazardous substances as per RoHS norms.

Delivery ID : 720407233	Process Route : BOF-ARS-LHF-CASTER
Invoice No. : 0094490644	Legends: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slitter, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Ladle sample analysis , 1Mpa = 1N/mm2, YS = Yield Strength, UTS = Ultimate Tensile Strength, El % - Percent elongation on standard gauge length, UD - Usage Decision, P - Prime, C - Commercial, A- Arising, Pcs - No of Pieces, CE = [C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15], Ln = Longitudinal, Tr = Transverse, Fully Killed Steel
GST Invoice No : 25JM2992109896	
Mode of Transport : Rail	
Vehicle No. :	
LC No. :	
	Remarks :




Authorised Signatory

AM/NS
INDIA

ArcelorMittal Nippon Steel India Pvt Ltd

HAZIRA - 394270, DIST. SURAT, GUJARAT, INDIA

CIN:U27100GJ1976FTC013787

MILL TEST CERTIFICATE

FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL

IS: 2062



CM/L: 0007090365

Test Certificate No. AMNS/TCH/202511122117500252370
Sale Order No. 2120591325 / 10
Equivalent Specification IS_2062_E_250_BR_11
Specification IS_2062_E_250_BR_11
Invoice No. GJ20251000172514

Test Certificate Date 12.11.2025
Sales Order Date 05.11.2025
Product Type HR-COIL
Internal Grade ANGENR2

To, RAMESH IRON AND STEEL COMPANY I PVT
234-235
641002
Coimbatore 22
India.

WE CERTIFY THAT THE MATERIAL DESCRIBED BELOW FULLY CONFORMS TO ABOVE SPECIFICATION CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES OF THE PRODUCT, AS TESTED IN ACCORDANCE WITH THE SCHEME OF TESTING AND INSPECTION CONTAINED IN THE BIS CERTIFICATION MARKS LICENCE NO. CM/L: 0007090365 ARE AS INDICATED BELOW AGAINST EACH ORDER NO. ETC.

Heat Analysis (%) of J85599

Heat No	C	MN	S	P	SI	AL	CR	CU	NI	TI	V	NB	MO	N	MAE	CE
J85599	0.166	0.834	0.0050	0.010	0.176	0.034	0.028	0.015	0.017	0.000	0.000	0.001	0.000	0.0030	0.001	0.313

Mechanical Properties for Batches of Heat: J85599

Item No	Batch ID	Thk	Wid	Qty Net	YS	UTS	EL	BEND	IMP1	IMP2	IMP3	IMPAV
10	NB8043	12.000	1250	21.890	330	473	28	OK	170	182	176	176
					336	486	29	OK				
Total				21.890								

Note 1) Test Certificate conforms to EN 10204-3.1

Note 2) PROCESS ROUTE: HBI/DR/BI/COREX->EAF/CONARC->LF->CCM->HSM/CSP and Steel is Fully Al-Si Killed

Note 3) The material supplied conforms to the standard rolling & weight tolerances.

Note 4) 1MPa=1N/mm²= 0.102Kgt/mm².

Note 5) Material is free from Radioactive contamination.

Note 6) Carbon Equivalent: C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15.

Note 7) Material is certified with latest edition of specification unless and otherwise specified.

Legends: Bend Diameter:2t, Bend Angle:180deg, Bend Direction:90deg, CE: Carbon Equivalent, EL: % Elongation on G.L = 5.65*SQRT(AREA), IMP: 27 °C, MAE: Nb+Ti+V, UTS: Ultimate Tensile Strength, YS: Yield Strength, Sample Orientation:- Tensile:90deg.

Units of measurement: Thk/Wid/Len(MM), Qty Grs/Net(Quantity Gross/Net)(MT), EL(%), IMP1(J), IMP2(J), IMP3(J), IMPAV(J), UTS(MPA), YS(MPA)

Signature valid

Digitally Signed By:
DS ARCELORMITTAL NIPPON STEEL INDIA PRIVATE LIMITED 1
Wed 12-Nov-2025 21:17:51 IST
Approved by Raghu Veer

Designation: QUALITY MANAGER
AMNS/QAC/0003/F

Test Certificate No. AMNS/TCH/202410281747405782920
Sale Order No. 2120520783 / 10
Equivalent Specification IS_2062_E_250_BR_11
Specification IS_2062_E_250_BR_11
Invoice No. GJ20241000172583

Test Certificate Date 28.10.2024
Sales Order Date 28.10.2024
Product Type HR-COIL
Internal Grade ANGENR2

To, RAMESH IRON AND STEEL COMPANY I PVT
234-235
641002
Coimbatore 22
India.

WE CERTIFY THAT THE MATERIAL DESCRIBED BELOW FULLY CONFORMS TO ABOVE SPECIFICATION CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES OF THE PRODUCT, AS TESTED IN ACCORDANCE WITH THE SCHEME OF TESTING AND INSPECTION CONTAINED IN THE BIS CERTIFICATION MARKS LICENCE NO. CML 7090365 ARE AS INDICATED BELOW AGAINST EACH ORDER NO. ETC.

Heat Analysis (%) of 24304319

Heat No	C	MN	S	P	SI	AL	CR	CU	NI	TI	V	NB	MO	N	MAE	CE
24304319	0.193	0.807	0.0036	0.012	0.127	0.028	0.014	0.006	0.005	0.001	0.003	0.002	0.003	0.0052	0.006	0.332

Mechanical Properties for Batches of 24304319

Item No	Batch ID	Thk	Wid	Qty Net	YS	UTS	EL	BEND	IMP1	IMP2	IMP3	IMPAV
10	MJ1203	12.000	1250	21.335	334	487	28	OK	162	168	177	169
					348	500	27	OK				
Total				21.335								

Note 1) Test Certificate conforms to EN 10204-3.1

Note 2) PROCESS ROUTE: HBI/DRU/BF/COREX->EAF/CONARC->LF->CCM->HSM/CSP and Steel is Fully Al-Si Killed

Note 3) The material supplied conforms to the standard rolling & weight tolerances.

Note 4) 1MPa=1N/mm²= 0.102Kg/mm².

Note 5) Material is free from Radioactive contamination.

Note 6) The product or packing material does not contain any hazardous substances as per RoHS.

Note 7) Carbon Equivalent: C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15.

Note 8) Material is certified with latest edition of specification unless and otherwise specified.

Legends: Bend Diameter:2t, Bend Angle:180deg, Bend Direction:90deg, CE: Carbon Equivalent, EL: % Elongation on G.L = 5.65*SQRT(AREA), IMP: 27 °C, MAE: Nb+Ti+V, UTS: Ultimate Tensile Strength, YS: Yield Strength

Units of measurement: Thk/Wid/Len(MM), Qty Grs/Net(Quantity Gross/Net)(MT), EL(%), IMP1(J), IMP2(J), IMP3(J), IMPAV(J), UTS(MPA), YS(MPA)

MANAGER (QUALITY ASSURANCE)
FOR ArcelorMittal Nippon Steel India Limited
AMNS/QUAS/0003/P



ArcelorMittal Nippon Steel India Pvt Ltd

HAZIRA - 394270, DIST. SURAT, GUJARAT, INDIA

CIN:U27100GJ1976FTC013787

MILL TEST CERTIFICATE

FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL

IS: 2062



CM/L: 0007090365

Test Certificate No.	AMNS/TCH/202511111142045413650	Test Certificate Date	11.11.2025	To, RAMESH IRON AND STEEL COMPANY I PVT
Sale Order No.	2120591921 / 20	Sales Order Date	07.11.2025	234-235
Equivalent Specification	IS_2062_E_250_BR_11	Product Type	HR-SHEET/PLATE	641002
Specification	IS_2062_E_250_BR_11	Internal Grade	ANGENR2	Coimbatore 22
Invoice No.	GJ20251000171089			India.

WE CERTIFY THAT THE MATERIAL DESCRIBED BELOW FULLY CONFORMS TO ABOVE SPECIFICATION CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES OF THE PRODUCT, AS TESTED IN ACCORDANCE WITH THE SCHEME OF TESTING AND INSPECTION CONTAINED IN THE BIS CERTIFICATION MARKS LICENCE NO. CM/L :0007090365 ARE AS INDICATED BELOW AGAINST EACH ORDER NO. ETC.

Heat Analysis (%) of J85619																
Heat No	C	MN	S	P	SI	AL	CR	CU	NI	TI	V	NB	MO	N	MAE	CE
J85619	0.158	0.874	0.0050	0.008	0.173	0.037	0.031	0.022	0.020	0.001	0.000	0.000	0.000	0.0040	0.001	0.313

Mechanical Properties for Batches of Heat: J85619														
Item No	Batch ID	Thk	Wid	Len	Qty Net	Sheets	YS	UTS	EL	BEND	IMP1	IMP2	IMP3	IMPAV
20	V8110B300C	12.000	1500	6300	4.500	5	322	469	30	OK	182	176	180	179
Total					4.500									

Note 1) Test Certificate conforms to EN 10204-3.1 Note 2) PROCESS ROUTE: HBI/DR/1/BF/COREX->EAF/CONARC->LF->CCM->HSM/CSP and Steel is Fully Al-Si Killed Note 3) The material supplied conforms to the standard rolling & weight tolerances. Note 4) 1MPa=1N/mm2= 0.102Kg/mm2. Note 5) Material is free from Radioactive contamination. Note 6) The product or packing material does not contain any hazardous substances as per RoHS. Note 7) Carbon Equivalent:C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15. Note 8) Material is certified with latest edition of specification unless and otherwise specified.	Legends: Bend Diameter:2t, Bend Angle:180deg, Bend Direction:90deg, CE: Carbon Equivalent, EL: % Elongation on G.L = 5.65*SQRT(AREA), IMP: 27 °C, MAE: Nb+Ti+V, UTS: Ultimate Tensile Strength, YS: Yield Strength, Sample Orientation:- Tensile:90deg,	Signature Not Verified Digitally Signed By: DS ARCELORMITTAL NIPPON STEEL INDIA PRIVATE LIMITED 1 Tue 11-Nov-2025 11:42:22 IST Approved by Raghu Veer Designation: QUALITY MANAGER AMNSI/QAC/0003/F
	Units of measurement: Thk/Wid/Len(MM), Qty Grs/Net(Quantity Gross/Net)(MT), EL(%), IMP1(J), IMP2(J), IMP3(J), IMPAV(J), UTS(MPA), YS(MPA)	



ArcelorMittal Nippon Steel India Pvt Ltd

HAZIRA - 394270, DIST. SURAT, GUJARAT, INDIA

CIN:U27100GJ1976FTC013787

MILL TEST CERTIFICATE

FOR HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL

IS: 2062



CM/L: 0007090365

Test Certificate No.	AMNS/TCH/202511190521586536670	Test Certificate Date	20.11.2025	To, RAMESH IRON AND STEEL COMPANY I PVT
Sale Order No.	2120592893 / 10	Sales Order Date	12.11.2025	234-235
Equivalent Specification	IS_2062_E_250_BR_11	Product Type	HR-SHEET/PLATE	641002
Specification	IS_2062_E_250_BR_11	Internal Grade	ANGENR2	Coimbatore 22
Invoice No.	GJ20251000178783			India.

WE CERTIFY THAT THE MATERIAL DESCRIBED BELOW FULLY CONFORMS TO ABOVE SPECIFICATION CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES OF THE PRODUCT, AS TESTED IN ACCORDANCE WITH THE SCHEME OF TESTING AND INSPECTION CONTAINED IN THE BIS CERTIFICATION MARKS LICENCE NO. CM/L :0007090365 ARE AS INDICATED BELOW AGAINST EACH ORDER NO. ETC.

Heat Analysis (%) of J85617

Heat No	C	MN	S	P	SI	AL	CR	CU	NI	TI	V	NB	MO	N	MAE	CE
J85617	0.167	0.842	0.0030	0.009	0.189	0.037	0.020	0.027	0.015	0.000	0.000	0.000	0.000	0.0032	0.000	0.314

Mechanical Properties for Batches of Heat: J85617

Item No	Batch ID	Thk	Wid	Len	Qty Net	Sheets	YS	UTS	EL	BEND
10	V8761B200C	8.000	1500	6300	4.780	8	325	472	29	OK
						-	307	460	31	OK
Total					4.780					

- Note 1) Test Certificate conforms to EN 10204-3.1
- Note 2) PROCESS ROUTE: HBI/DR/BF/COREX->EAF/CONARC->LF->CCM->HSM/CSP and Steel is Fully Al-Si Killed
- Note 3) The material supplied conforms to the standard rolling & weight tolerances.
- Note 4) 1MPa=1N/mm2= 0.102Kg/mm2.
- Note 5) Material is free from Radioactive contamination.
- Note 6) The product or packing material does not contain any hazardous substances as per RoHS.
- Note 7) Carbon Equivalent:C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15.
- Note 8) Material is certified with latest edition of specification unless and otherwise specified.

Legends: Bend Diameter:2t, Bend Angle:180deg, Bend Direction:90deg, CE: Carbon Equivalent, EL: % Elongation on G.L = 5.65*SQRT(AREA), MAE: Nb+Ti+V, UTS: Ultimate Tensile Strength, YS: Yield Strength, Sample Orientation:- Tensile:90deg,

Units of measurement: Thk/Wid/Len(MM), Qty Grs/Net(Quantity Gross/Net)(MT), EL(%), UTS(MPA), YS(MPA)

Signature Not Verified

Digitally Signed By:
DS ARCELORMITTAL NIPPON STEEL INDIA PRIVATE LIMITED 1
Thu 20-Nov-2025 05:22:00 IST
Approved by Raghu Veer

Designation: QUALITY MANAGER
AMNSI/QAC/0003/F



NMDC STEEL LIMITED

NMDC Iron & Steel Plant, Nagarnar, Jagdalpur, Bastar - 494001

CIN NO.: L27310CT2015GOI001618

IS 2062:2011



CM/L - 5900106815

TEST CERTIFICATE FOR HOT ROLLED MEDIUM & HIGH TENSILE STRUCTURE STEEL AS PER IS 2062:2011

Test Certificate No.:	2026023921	TC Date:	23.02.2026	Product:	HOT ROLLED COIL
Customer:	NMDC LTD	S.O. No:	40007117	S.O. Date:	12.02.2026

It is certified that the material described below fully conforms to IS 2062:2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks License No. CM/L - 5900106815 are as indicated below against each order No.
(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Specification: IS 2062:2011					Chemical Composition																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W	Grade	Weight	C	Mn	Si	S	P	Al	N	Cu	Ni	Mo	Nb	V	Ti		Cr		CE	Killing
				MT	%	%	%	%	%	%	%	%	%	%	%	%	%		%		%	
D100872	D100872206	8.00 X 1,250	E250BR	20.890	0.191	0.540	0.150	0.002	0.013	0.024	0.005	0.003	0.003		0.003	0.001	0.004		0.008		0.283	ALSIK
D100841	D100841208	8.00 X 1,500	E250BR	27.530	0.192	0.540	0.130	0.003	0.009	0.023	0.005	0.003	0.003	0.001	0.002		0.003		0.008		0.284	ALSIK
D100843	D100843103	8.00 X 1,500	E250BR	27.710	0.193	0.540	0.140	0.003	0.012	0.027	0.006	0.003	0.004	0.001	0.003		0.003		0.009		0.285	ALSIK

Specification: IS 2062:2011					Mechanical Properties																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W		Weight	Tensile & Bend	YS	UTS			GL:5.65SQ RT(A)				Bend Dia	Bend Test							
				MT	DIRECT ION	MPA	MPA			% EL												
D100872	D100872206	8.00 X 1,250		20.890	T	307.0	499.0			29.0				2t	OK							
D100841	D100841208	8.00 X 1,500		27.530	T	320.0	496.0			29.0				2t	OK							
D100843	D100843103	8.00 X 1,500		27.710	T	340.0	510.0			28.0				2t	OK							

This is to certify that the above mentioned products produced and supplied by NMDC Steel Limited, Nagarnar Works do not contain any radioactive element higher than the natural level. The product or packing material does not contain any hazardous substances as per RoHS norms

DA No. : 690064851	Process Route : BOF-LRF-TSC-HSM Fully Killed Steel Tensile & Bend test method: IS1608&IS1599 Sample location:1/4th of width Impact sample direction:L Legends : BOF = Basic Oxygen Furnace, LRF = Laddle Refining Furnace, TSC-HSM = Thin Slab Caster-Hot Strip Mill T x W x L = Thickness x Width x Length, L = Longitudinal T = Transverse Chemical Analysis = Laddle Sample Analysis, 1 MPa = 1N/mm2 GL = Gauge Length, YS = Yield Strength, UTS = Ultimate Tensile Strength, EI = Total elongation on standard GL, CVN = Charpy V-notch, °C = Degree Centigrade, GS = ASTM Grain Size, IR = Inclusion Rating, ECV = Erichsen Cupping Value, SET = Strainage Embrittlement Test MAE = Micro Alloying Elements, CE = Carbon Equivalent = [C+(Mn/6)+(Cr+Mo+V)/5+(Ni+Cu)/15] HER = Hole Expansion Ratio, RoHS = Restriction of Hazardous Substances The material supplied conforms to the specified dimensions and tolerances. Weight as per Invoice We certify that material comply the certification as per EN 10204:2004 type 3.1	
Mode of Transport : Rail		
Vehicle No. :		
Wagon No. :		
Page 2 of 30		
Invoice No. : 9500163273		Authorised Signatory (QA) For NMDC Steel Limited



NMDC STEEL LIMITED

NMDC Iron & Steel Plant, Nagarnar, Jagdalpur, Bastar - 494001

CIN NO.: L27310CT2015GOI001618

IS 2062:2011



CM/L - 5900106815

TEST CERTIFICATE FOR HOT ROLLED MEDIUM & HIGH TENSILE STRUCTURE STEEL AS PER IS 2062:2011

Test Certificate No.:	2026023921	TC Date:	23.02.2026	Product:	HOT ROLLED COIL
Customer:	NMDC LTD	S.O. No:	40007117	S.O. Date:	12.02.2026

It is certified that the material described below fully conforms to IS 2062:2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks License No. CM/L - 5900106815 are as indicated below against each order No.
(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Specification: IS 2062:2011					Chemical Composition																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W	Grade	Weight	C	Mn	Si	S	P	Al	N	Cu	Ni	Mo	Nb		Ti		Cr		CE	Killing
				MT	%	%	%	%	%	%	%	%	%	%	%		%		%		%	
D100843	D100843105	8.00 X 1,500	E250BR	27.750	0.193	0.540	0.140	0.003	0.012	0.027	0.006	0.003	0.004	0.001	0.003		0.003		0.009		0.285	ALSIK
D100849	D100849201	8.00 X 1,500	E250BR	20.900	0.191	0.540	0.140	0.004	0.015	0.021	0.005	0.003	0.003	0.001	0.003		0.004		0.009		0.283	ALSIK
D201027	D201027107	8.00 X 1,500	E250BR	20.910	0.190	0.540	0.160	0.004	0.022	0.022	0.005	0.003	0.003	0.001	0.003		0.004		0.008		0.282	ALSIK

Specification: IS 2062:2011					Mechanical Properties																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W		Weight	Tensile & Bend	YS	UTS			GL:5.65SQ RT(A)				Bend Dia	Bend Test							
				MT	DIRECT ION	MPA	MPA			% EL												
D100843	D100843105	8.00 X 1,500		27.750	T	340.0	510.0			28.0				2t	OK							
D100849	D100849201	8.00 X 1,500		20.900	T	320.0	510.0			29.0				2t	OK							
D201027	D201027107	8.00 X 1,500		20.910	T	302.0	494.0			29.0				2t	OK							

This is to certify that the above mentioned products produced and supplied by NMDC Steel Limited, Nagarnar Works do not contain any radioactive element higher than the natural level. The product or packing material does not contain any hazardous substances as per RoHS norms

DA No. : 690064851	Process Route : BOF-LRF-TSC-HSM Fully Killed Steel Tensile & Bend test method: IS1608&IS1599 Sample location:1/4th of width Impact sample direction:L Legends : BOF = Basic Oxygen Furnace, LRF = Laddle Refining Furnace, TSC-HSM = Thin Slab Caster-Hot Strip Mill T x W x L = Thickness x Width x Length, L = Longitudinal T = Transverse Chemical Analysis = Laddle Sample Analysis, 1 MPa = 1N/mm2 GL = Gauge Length, YS = Yield Strength, UTS = Ultimate Tensile Strength, EI = Total elongation on standard GL, CVN = Charpy V-notch, °C = Degree Centigrade, GS = ASTM Grain Size, IR = Inclusion Rating, ECV = Erichsen Cupping Value, SET = Strainage Embrittlement Test MAE = Micro Alloying Elements, CE = Carbon Equivalent = [C+(Mn/6)+(Cr+Mo+V)/5+(Ni+Cu)/15] HER = Hole Expansion Ratio, RoHS = Restriction of Hazardous Substances The material supplied conforms to the specified dimensions and tolerances. Weight as per Invoice We certify that material comply the certification as per EN 10204:2004 type 3.1	
Mode of Transport : Rail		
Vehicle No. :		
Wagon No. :		
Page 3 of 30		
Invoice No. : 9500163273		Authorised Signatory (QA) For NMDC Steel Limited



NMDC STEEL LIMITED

NMDC Iron & Steel Plant, Nagarnar, Jagdalpur, Bastar - 494001

CIN NO.: L27310CT2015GOI001618

IS 2062:2011



CM/L - 5900106815

TEST CERTIFICATE FOR HOT ROLLED MEDIUM & HIGH TENSILE STRUCTURE STEEL AS PER IS 2062:2011

Test Certificate No.:	2026023921	TC Date:	23.02.2026	Product:	HOT ROLLED COIL
Customer:	NMDC LTD	S.O. No:	40007117	S.O. Date:	12.02.2026

It is certified that the material described below fully conforms to IS 2062:2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks License No. CM/L - 5900106815 are as indicated below against each order No.
(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Specification: IS 2062:2011					Chemical Composition																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W	Grade	Weight	C	Mn	Si	S	P	Al	N	Cu	Ni	Mo	Nb		Ti		Cr		CE	Killing
				MT	%	%	%	%	%	%	%	%	%	%	%		%		%		%	
D100849	D100849204	8.00 X 1,500	E250BR	20.890	0.191	0.540	0.140	0.004	0.015	0.021	0.005	0.003	0.003	0.001	0.003		0.004		0.009		0.283	ALSIK
D100849	D100849205	8.00 X 1,500	E250BR	20.910	0.191	0.540	0.140	0.004	0.015	0.021	0.005	0.003	0.003	0.001	0.003		0.004		0.009		0.283	ALSIK
D100849	D100849207	8.00 X 1,500	E250BR	20.930	0.191	0.540	0.140	0.004	0.015	0.021	0.005	0.003	0.003	0.001	0.003		0.004		0.009		0.283	ALSIK

Specification: IS 2062:2011					Mechanical Properties																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W		Weight	Tensile & Bend	YS	UTS			GL:5.65SQ RT(A)				Bend Dia	Bend Test							
				MT	DIRECT ION	MPA	MPA			% EL												
D100849	D100849204	8.00 X 1,500		20.890	T	320.0	510.0			29.0				2t	OK							
D100849	D100849205	8.00 X 1,500		20.910	T	320.0	510.0			29.0				2t	OK							
D100849	D100849207	8.00 X 1,500		20.930	T	320.0	510.0			29.0				2t	OK							

This is to certify that the above mentioned products produced and supplied by NMDC Steel Limited, Nagarnar Works do not contain any radioactive element higher than the natural level. The product or packing material does not contain any hazardous substances as per RoHS norms

DA No. : 690064851	Process Route : BOF-LRF-TSC-HSM Fully Killed Steel Tensile & Bend test method: IS1608&IS1599 Sample location:1/4th of width Impact sample direction:L Legends : BOF = Basic Oxygen Furnace, LRF = Laddle Refining Furnace, TSC-HSM = Thin Slab Caster-Hot Strip Mill T x W x L = Thickness x Width x Length, L = Longitudinal T = Transverse Chemical Analysis = Laddle Sample Analysis, 1 MPa = 1N/mm2 GL = Gauge Length, YS = Yield Strength, UTS = Ultimate Tensile Strength, EI = Total elongation on standard GL, CVN = Charpy V-notch, °C = Degree Centigrade, GS = ASTM Grain Size, IR = Inclusion Rating, ECV = Erichsen Cupping Value, SET = Strainage Embrittlement Test MAE = Micro Alloying Elements, CE = Carbon Equivalent = [C+(Mn/6)+(Cr+Mo+V)/5+(Ni+Cu)/15] HER = Hole Expansion Ratio, RoHS = Restriction of Hazardous Substances The material supplied conforms to the specified dimensions and tolerances. Weight as per Invoice We certify that material comply the certification as per EN 10204:2004 type 3.1	
Mode of Transport : Rail		
Vehicle No. :		
Wagon No. :		
Page 4 of 30		
Invoice No. : 9500163273		Authorised Signatory (QA) For NMDC Steel Limited



NMDC STEEL LIMITED

NMDC Iron & Steel Plant, Nagarnar, Jagdalpur, Bastar - 494001

CIN NO.: L27310CT2015GOI001618

IS 2062:2011



CM/L - 5900106815

TEST CERTIFICATE FOR HOT ROLLED MEDIUM & HIGH TENSILE STRUCTURE STEEL AS PER IS 2062:2011

Test Certificate No.:	2026023921	TC Date:	23.02.2026	Product:	HOT ROLLED COIL
Customer:	NMDC LTD	S.O. No:	40007117	S.O. Date:	12.02.2026

It is certified that the material described below fully conforms to IS 2062:2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks License No. CM/L - 5900106815 are as indicated below against each order No.
(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Specification: IS 2062:2011					Chemical Composition																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W	Grade	Weight	C	Mn	Si	S	P	Al	N	Cu	Ni	Mo	Nb	V	Ti		Cr		CE	Killing
				MT	%	%	%	%	%	%	%	%	%	%	%	%	%		%		%	
D100839	D100839202	8.00 X 1,500	E250BR	20.670	0.191	0.540	0.160	0.002	0.011	0.019	0.006	0.003	0.003	0.001	0.003		0.004		0.011		0.284	ALSIK
D100892	D100892206	10.00 X 1,250	E250BR	21.080	0.186	0.540	0.130	0.004	0.015	0.017	0.005	0.003	0.004	0.001	0.002	0.001	0.004		0.008		0.278	ALSIK
D100825	D100825101	10.00 X 1,250	E250BR	20.800	0.195	0.540	0.140	0.003	0.017	0.018	0.006	0.003	0.003		0.002		0.003		0.011		0.288	ALSIK

Specification: IS 2062:2011					Mechanical Properties																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W		Weight	Tensile & Bend	YS	UTS			GL:5.65SQ RT(A)				Bend Dia	Bend Test							
				MT	DIRECT ION	MPA	MPA			% EL												
D100839	D100839202	8.00 X 1,500		20.670	T	333.0	490.0			29.0				2t	OK							
D100892	D100892206	10.00 X 1,250		21.080	T	345.0	505.0			28.0				2t	OK							
D100825	D100825101	10.00 X 1,250		20.800	T	347.0	500.0			27.0				2t	OK							

This is to certify that the above mentioned products produced and supplied by NMDC Steel Limited, Nagarnar Works do not contain any radioactive element higher than the natural level. The product or packing material does not contain any hazardous substances as per RoHS norms

DA No. : 690064851	Process Route : BOF-LRF-TSC-HSM Fully Killed Steel Tensile & Bend test method: IS1608&IS1599 Sample location:1/4th of width Impact sample direction:L Legends : BOF = Basic Oxygen Furnace, LRF = Laddle Refining Furnace, TSC-HSM = Thin Slab Caster-Hot Strip Mill T x W x L = Thickness x Width x Length, L = Longitudinal T = Transverse Chemical Analysis = Laddle Sample Analysis, 1 MPa = 1N/mm2 GL = Gauge Length, YS = Yield Strength, UTS = Ultimate Tensile Strength, EI = Total elongation on standard GL, CVN = Charpy V-notch, °C = Degree Centigrade, GS = ASTM Grain Size, IR = Inclusion Rating, ECV = Erichsen Cupping Value, SET = Strainage Embrittlement Test MAE = Micro Alloying Elements, CE = Carbon Equivalent = [C+(Mn/6)+(Cr+Mo+V)/5+(Ni+Cu)/15] HER = Hole Expansion Ratio, RoHS = Restriction of Hazardous Substances The material supplied conforms to the specified dimensions and tolerances. Weight as per Invoice We certify that material comply the certification as per EN 10204:2004 type 3.1	
Mode of Transport : Rail		
Vehicle No. :		
Wagon No. :		
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Invoice No. : 9500163273		Authorised Signatory (QA) For NMDC Steel Limited



NMDC STEEL LIMITED

NMDC Iron & Steel Plant, Nagarnar, Jagdalpur, Bastar - 494001

CIN NO.: L27310CT2015GOI001618

IS 2062:2011



CM/L - 5900106815

TEST CERTIFICATE FOR HOT ROLLED MEDIUM & HIGH TENSILE STRUCTURE STEEL AS PER IS 2062:2011

Test Certificate No.:	2026023921	TC Date:	23.02.2026	Product:	HOT ROLLED COIL
Customer:	NMDC LTD	S.O. No:	40007117	S.O. Date:	12.02.2026

It is certified that the material described below fully conforms to IS 2062:2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks License No. CM/L - 5900106815 are as indicated below against each order No.
(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Specification: IS 2062:2011					Chemical Composition																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W	Grade	Weight	C	Mn	Si	S	P	Al	N	Cu	Ni	Mo	Nb		Ti		Cr		CE	Killing
				MT	%	%	%	%	%	%	%	%	%	%	%		%		%		%	
D201027	D201027105	8.00 X 1,500	E250BR	20.910	0.190	0.540	0.160	0.004	0.022	0.022	0.005	0.003	0.003	0.001	0.003		0.004		0.008		0.282	ALSIK
D201027	D201027106	8.00 X 1,500	E250BR	20.910	0.190	0.540	0.160	0.004	0.022	0.022	0.005	0.003	0.003	0.001	0.003		0.004		0.008		0.282	ALSIK
D100841	D100841207	8.00 X 1,500	E250BR	27.680	0.192	0.540	0.130	0.003	0.009	0.023	0.005	0.003	0.003	0.001	0.002		0.003		0.008		0.284	ALSIK

Specification: IS 2062:2011					Mechanical Properties																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W		Weight	Tensile & Bend	YS	UTS			GL:5.65SQ RT(A)				Bend Dia	Bend Test							
				MT	DIRECT ION	MPA	MPA			% EL												
D201027	D201027105	8.00 X 1,500		20.910	T	302.0	494.0			29.0				2t	OK							
D201027	D201027106	8.00 X 1,500		20.910	T	302.0	494.0			29.0				2t	OK							
D100841	D100841207	8.00 X 1,500		27.680	T	320.0	496.0			29.0				2t	OK							

This is to certify that the above mentioned products produced and supplied by NMDC Steel Limited, Nagarnar Works do not contain any radioactive element higher than the natural level. The product or packing material does not contain any hazardous substances as per RoHS norms

DA No. : 690064851	Process Route : BOF-LRF-TSC-HSM Fully Killed Steel Tensile & Bend test method: IS1608&IS1599 Sample location:1/4th of width Impact sample direction:L Legends : BOF = Basic Oxygen Furnace, LRF = Laddle Refining Furnace, TSC-HSM = Thin Slab Caster-Hot Strip Mill T x W x L = Thickness x Width x Length, L = Longitudinal T = Transverse Chemical Analysis = Laddle Sample Analysis, 1 MPa = 1N/mm2 GL = Gauge Length, YS = Yield Strength, UTS = Ultimate Tensile Strength, EI = Total elongation on standard GL, CVN = Charpy V-notch, °C = Degree Centigrade, GS = ASTM Grain Size, IR = Inclusion Rating, ECV = Erichsen Cupping Value, SET = Strainage Embrittlement Test MAE = Micro Alloying Elements, CE = Carbon Equivalent = [C+(Mn/6)+(Cr+Mo+V)/5+(Ni+Cu)/15] HER = Hole Expansion Ratio, RoHS = Restriction of Hazardous Substances The material supplied conforms to the specified dimensions and tolerances. Weight as per Invoice We certify that material comply the certification as per EN 10204:2004 type 3.1	
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Invoice No. : 9500163273		Authorised Signatory (QA) For NMDC Steel Limited



NMDC STEEL LIMITED

NMDC Iron & Steel Plant, Nagarnar, Jagdalpur, Bastar - 494001

CIN NO.: L27310CT2015GOI001618

IS 2062:2011



CM/L - 5900106815

TEST CERTIFICATE FOR HOT ROLLED MEDIUM & HIGH TENSILE STRUCTURE STEEL AS PER IS 2062:2011

Test Certificate No.:	2026023921	TC Date:	23.02.2026	Product:	HOT ROLLED COIL
Customer:	NMDC LTD	S.O. No:	40007117	S.O. Date:	12.02.2026

It is certified that the material described below fully conforms to IS 2062:2011. Chemical composition and Mechanical properties of the product, as tested in accordance with the Scheme of Testing & Inspection contained in the BIS certification marks License No. CM/L - 5900106815 are as indicated below against each order No.
(PLEASE REFER TO IS 2062:2011 FOR DETAILS OF SPECIFICATION REQUIREMENTS)

Specification: IS 2062:2011					Chemical Composition																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W	Grade	Weight	C	Mn	Si	S	P	Al	N	Cu	Ni	Mo	Nb	V	Ti		Cr		CE	Killing
				MT	%	%	%	%	%	%	%	%	%	%	%	%	%		%		%	
D200889	D200889205	8.00 X 1,250	E250BR	20.900	0.200	0.530	0.160	0.004	0.010	0.022	0.006	0.003	0.003		0.002		0.004		0.009		0.291	ALSIK
D100871	D100871106	8.00 X 1,250	E250BR	20.940	0.196	0.540	0.160	0.003	0.016	0.021	0.005	0.003	0.003	0.001	0.003		0.004		0.008		0.288	ALSIK
D100872	D100872205	8.00 X 1,250	E250BR	20.880	0.191	0.540	0.150	0.002	0.013	0.024	0.005	0.003	0.003		0.003	0.001	0.004		0.008		0.283	ALSIK

Specification: IS 2062:2011					Mechanical Properties																	
Cast/Heat No	Coil No/Package No	Nominal Size (mm) T X W		Weight	Tensile & Bend	YS	UTS			GL:5.65SQ RT(A)				Bend Dia	Bend Test							
				MT	DIRECT ION	MPA	MPA			% EL												
D200889	D200889205	8.00 X 1,250		20.900	T	349.0	511.0			29.0				2t	OK							
D100871	D100871106	8.00 X 1,250		20.940	T	308.0	504.0			29.0				2t	OK							
D100872	D100872205	8.00 X 1,250		20.880	T	307.0	499.0			29.0				2t	OK							

This is to certify that the above mentioned products produced and supplied by NMDC Steel Limited, Nagarnar Works do not contain any radioactive element higher than the natural level. The product or packing material does not contain any hazardous substances as per RoHS norms

DA No. : 690064851	Process Route : BOF-LRF-TSC-HSM Fully Killed Steel Tensile & Bend test method: IS1608&IS1599 Sample location:1/4th of width Impact sample direction:L Legends : BOF = Basic Oxygen Furnace, LRF = Laddle Refining Furnace, TSC-HSM = Thin Slab Caster-Hot Strip Mill T x W x L = Thickness x Width x Length, L = Longitudinal T = Transverse Chemical Analysis = Laddle Sample Analysis, 1 MPa = 1N/mm2 GL = Gauge Length, YS = Yield Strength, UTS = Ultimate Tensile Strength, EI = Total elongation on standard GL, CVN = Charpy V-notch, °C = Degree Centigrade, GS = ASTM Grain Size, IR = Inclusion Rating, ECV = Erichsen Cupping Value, SET = Strainage Embrittlement Test MAE = Micro Alloying Elements, CE = Carbon Equivalent = [C+(Mn/6)+(Cr+Mo+V)/5+(Ni+Cu)/15] HER = Hole Expansion Ratio, RoHS = Restriction of Hazardous Substances The material supplied conforms to the specified dimensions and tolerances. Weight as per Invoice We certify that material comply the certification as per EN 10204:2004 type 3.1	
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