



**JSW STEEL LIMITED**  
 Vijayanagar Works, P.O. Vijayanagar, Village-Toranagalli, Dist: Bellary, Karnataka-5831. INDIA  
 Regd. Office: JSW Centre, Bandra Kuria Complex, Bandra (East), Mumbai - 400 051  
**HOT ROLLED MEDIUM AND HIGH TENSILE STRUCTURAL STEEL AS PER IS: 2062\_2011**



CML - 6161953

Test Certificate : HR/18-19/0000794580  
 To M/S. **MIT SUN STEELS PVT LTD.**  
 # 462,2ND FLOOR SRI KRISHNA TEMPLE  
 BANGALORE - 560038 Region: 10

Date : 18.04.2018  
 SO No./Item : 400812644 / 30  
 Product : HR STEEL PLATES/SHEETS  
 PO No. : APRIL 2018

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. CML - 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)	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					
																				Min	Max			
Mother Coil																								
G/45015	1855260301	2 000 X 1250 0 X 2,500 0	P	90	4 430	0.1350	0.60	0.007	0.017	0.129	0.040	0.0038	0.0010	0.003	0.240	0.0010	Tr	371	469	5.65	41.00	Tr	2I	Pass
G/45015	1855260302	2 000 X 1250 0 X 2,500 0	P	90	4 390	0.1350	0.60	0.007	0.017	0.129	0.040	0.0038	0.0010	0.003	0.240	0.0010	Tr	371	469	5.65	41.00	Tr	2I	Pass
G/45015	1855260303	2 000 X 1250 0 X 2,500 0	P	90	4 410	0.1350	0.60	0.007	0.017	0.129	0.040	0.0038	0.0010	0.003	0.240	0.0010	Tr	371	469	5.65	41.00	Tr	2I	Pass
G/45015	1855260304	2 000 X 1250 0 X 2,500 0	P	90	4 405	0.1350	0.60	0.007	0.017	0.129	0.040	0.0038	0.0010	0.003	0.240	0.0010	Tr	371	469	5.65	41.00	Tr	2I	Pass
Total Weight in Metric Tonnes																			17.635					
Grand Total of Coils/Pkts/Bundles																			4					

*Revised For*



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 & Weight tolerances. The product or packing material does not contain any hazardous substances as per ROHS norms.

Delivery ID : 705817891	Process Route : BOF-ARS-LHF-CASTER	Legends: BOF = Basic Oxygen Furnace, LHF = Ladle Heating Furnace, CCM = Continuous Casting Machine, RH = RH Degasser, HSM = Hot Strip Mill, HRS = HR Slicer, CTL = Cut To Length, T x W x L = Thickness X Width X Length, Chemistry = Laddle sample analysis, 1Mpa = 1N/mm <sup>2</sup> , 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
Invoice No. : 7100797661		
GST Invoice No : 18VJ2900028392		
Mode of Transport: Truck		
Vehicle No. : KA06D1361	Remarks :	

*Authorised Signatory*  
 For JSW Steel Ltd.