



**JINDAL STEEL & POWER LIMITED**  
 Works: Chhendipada Road, SH. 63, A/Po.: Jindal Nagar, Dist : Angul (ODISHA) - 759111 INDIA  
 Registered Office: Post box No. 6, O.P. Jindal Marg, Hisar (Haryana)  
 Corporate Office: Jindal Center, 12 Bhikaiji Cama Palace, New Delhi - 110066 INDIA  
 Email: jrcplab.jm@angul.jspl.com  
 Phone No.: (06761) 254191-95; Fax: -06761-254141-44

**INSPECTION CERTIFICATE**

Test Certificate No. **0000007708**

To: M/s NETWORK STEEL S.L. SPAIN  
 CARDENAL MARCELO SPINOLA 2-5 PL.TA.28016 MADRID SPAIN CIF 883.SPAIN.PIN-00000

**TEST RESULTS**

Process of Manufacture : EAF->LRF->VD->CCM->RHF->Hot rolling  
 (EAF - Electric Arc Furnace / LRF: Ladle Refining Furnace / VD : Vacuum Degassing / CCM : Continuous Casting Machine/ RHF : Re-Heating Furnace)

Supply Condition : Normalizing Rolling  
 Deoxidation : Fully Killed

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Date : 10.07.2020

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Material Grade : EN10025-2 S355J2+N Plate Dimension - Thickness x Width x Length : 85.00MM X 2500MM X 12000MM

Heat No	Plate ID	Pcs	Wt.	Chemical Analysis																	Mechanical Properties										
				MT	L/P	%C	%Mn	%S	%P	%Si	%Al	%Cu	%V	%Nb	%Ti	%Mo	%Ni	%B	%Cr	N2	CE	YS	UTS	%EL*	Bend Test	Impact Value at(U)					
A00953	A0095308A0	1	20.018	L	0.200	1.47	0.003	0.022	0.22	0.030	0.004	0.002	0.025	0.002	0.0010	0.005	0.0004	0.010	48	0.44	385	578	25		I	117	124	112	117.66	.20	Lo.
Sub Total		1	20.018																												
G Total		171	3196.729																												

- Remarks:
1. Test Certificate as per EN 10204, 2004 Type 3.1
  2. Material mentioned above also conforms to EN 10025-2 S355J2+N
  3. Material also conforms to TDC Doc. No. : ISPLANGULITDC-M04213C, Rev.00, Dt.:02.05.2020
  4. Dimensional tolerance: Thickness tolerance found satisfactory as per EN 10029:2011 of Class B
  5. Surface inspection: Thickness tolerance found satisfactory as per EN 10163:2003 class A Subclass 3
  6. Flammess: As per EN10029:2011 table 4 class N (L1 type)
  7. Test Piece: Chemical as per EN ISO 14284:2003, Tensile as per DIN EN ISO 6892-1:2009 & Impact as per DIN EN ISO 148-1:2011
  8. CE (IIW) : C+Mn/6+(C+Mo+V)/5+(Ni+Cu)/15
  9. Marking details: Mfg. Name, & logo, plate identification, specification & grade, size, customer name & UT Spec.

We hereby certify that Material described herein has manufactured and tested with satisfactory results in accordance with the requirements of the above said material specification.  
 The above material supplied conforms to the specified dimensions and tolerances as per mutually agreed Technical Delivery Conditions

Purchase Reference & Date: PROV/EXP/PL/T/10002 04.05.2020  
 Despatch Advice No:  
 Vehicle No.  
 \* DOP can be viewed at www.jindalsteelpower.com"  
 Gauge Length: 5.65(SO)1/2  
 REC-PM-TSD-14-41, Eff date : 26.08.2019

Prepared by SRIDHAR BEHERA  
 Preparation Date : 10.07.2020 16:16:25  
 Printing Date 11.07.2020 & Time 10:49:58

Authorized Signatory  
 TSD Plate Mill  
 For: JINDAL STEEL & POWER LIMITED

DATA  
 RECEPCAO  
 RUBRICA

M/N OLYMPIC PROGRESS



M/V OLYMPIC PROGRESS



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CARDENAL MARCELO SPINOLA 2-5 PLTA.28016 MADRID SPAIN CIF 883.SPAIN.PIN-00000

TEST RESULTS

Supply Condition: Normalizing Rolling  
Deoxidation: Fully Killed

Process of Manufacture: EAF->LRF->VD->CCM->RHF->Hot rolling  
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10. Orientation of Sample: Tensile is Transverse & Impact is Longitudinal to rolling direction.  
11. Ultrasonic Examination: Up to 120mm Thickness EN 10160S E1 & for above 120mm Thickness plates are ultrasonically tested as per ASTM A-578 L-B and found ok  
12. In Chemical Analysis column, L stands for Ladle Analysis & In Mechanical Properties Column, L stands for Longitudinal Direction

We hereby certify that Material described herein has manufactured and tested with satisfactory results in accordance with the requirements of the above said material specification.  
The above material supplied conforms to the specified dimensions and tolerances as per specifications and as per mutually agreed Technical Delivery Conditions

Purchase Reference & Date: PROV/EXP/PLT/10002 04.05.2020  
Despatch Advice No:  
Vehicle No:  
"DOP can be viewed at www.jindalsteelpower.com"  
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