



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



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0045 - CPR - 1835

Date : 14.01.2021

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Test Certificate No. 0000008790

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

**TEST RESULTS**

Supply Condition:AS ROLLED

Deoxidation : Fully Killed

Process of Manufacture : EAF->LRF->VD->CCM->RHF->Hot rolling

(EAF - Electric Arc Furnace / LRF: Ladle Refining Furnace / VD : Vaccum Degassing / CCM : Continuous Casting Machine/ RHF : Re-Heating Furnace)

Material Grade : EN10025-2 S275JR+AR Plate Dimension -Thickness x Width x Length : 90.00MMX2500MMX11000MM																														
Heat No	Plate ID	Pcs	Wt. MT	Chemical Analysis																Mechanical Properties										
				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(J)				
																ppm	Mpa	Mpa		I	II	III	Avg	Temp °C	Orien					
A03147	A0314704A0	1	19.428	L	0.190	0.79	0.004	0.015	0.19	0.030	0.003	0.001	0.001	0.002	0.0010	0.005	0.0004	0.012	54	0.32	360	490	30		142	140	160	147.33	20	Lo.
<b>Sub Total</b>		4	77.715																											
Material Grade : EN10025-2 S275JR+AR Plate Dimension -Thickness x Width x Length : 90.00MMX3000MMX9500MM																														
Heat No	Plate ID	Pcs	Wt. MT	Chemical Analysis																Mechanical Properties										
				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(J)				
																ppm	Mpa	Mpa		I	II	III	Avg	Temp °C	Orien					
A03147	A0314705A0	1	20.135	L	0.190	0.79	0.004	0.015	0.19	0.030	0.003	0.001	0.001	0.002	0.0010	0.005	0.0004	0.012	54	0.32	360	490	30		142	140	160	147.33	20	Lo.
A03147	A0314706A0	1	20.135	L	0.190	0.79	0.004	0.015	0.19	0.030	0.003	0.001	0.001	0.002	0.0010	0.005	0.0004	0.012	54	0.32	376	489	29		172	145	169	162.00	20	Lo.
A03147	A0314707A0	1	20.135	L	0.190	0.79	0.004	0.015	0.19	0.030	0.003	0.001	0.001	0.002	0.0010	0.005	0.0004	0.012	54	0.32	376	489	29		172	145	169	162.00	20	Lo.
<b>Sub Total</b>		3	60.405																											
<b>G Total</b>		42	860.777																											

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

UltraSonic Examination : All the above plates are ultrasonically tested as per EN10160 S1E1 and found ok

Purchase Reference & Date: PROV/EXP/PLT/10037 01.12.2020  
 Despatch Advice No:  
 Vehicle No.  
 " DOP can be viewed at www.jindalsteelpower.com"  
 \* Gauge Length: 5.65(SO)1/2

Prepared by SRIDHAR.BEHERA  
 Preparation Date :14.01.2021 11:46:10  
 Printing Date 14.01.2021 & Time 15:18:02

Sridhar Behera  
 Authorised Signatory  
 TSD PlateMill  
 For, JINDAL STEEL & POWER LIMITED

REC-PM-TSD-14-41,Rev 01,Eff date : 07.10.2020



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Date : 14.01.2021

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### INSPECTION CERTIFICATE

Test Certificate No. 0000008790

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

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#### Remarks :

1. Test Certificate as per EN 10204, 2004 Type 3. 1
2. Material mentioned above also conforms to EN10025-2 S275JR+AR
3. Material also conforms to TDC Doc. No. : JSPL/ANGUL/TDC/-M05140B; Rev.01, Dt.:01.12.2020
4. Dimensional Tolerance: Thickness tolerance found satisfactory as per EN 10029:2011 of Class A
5. Surface Inspection: As per EN10163:2005 class A Subclass 3
6. Flatness: As per EN10029:2011 table 4 class N (L 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+(Cr+Mo+V)/5+(Ni+Cu)/15
9. Marking details: Mfg. Name. & logo, plate identification, specification & grade, size & customer name
10. Orientation of Sample: Tensile is Transverse & Impact is Longitudinal to rolling direction
11. 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.  
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