JINDAL STEEL & POWER LIMITED

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Phone No.:-(06761) 254191-95; Fax :-06761 -254141-44

CE
0045
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0045 - CPR - 1835

INSPECTION CERTIFICATE

Test Certificate No. 0000004199

Date : 12.06.2018

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

ONIRAM,LDA
DEP.QUALIDADE
RECEPÇÃO
DATA
RUBRICA

TEST RESULTS

Supply Condition:AS ROLLED(TMCP)

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)

Deoxidation :Fully Killed

Material Grade : **EN10025-2 S275JR+AR** **Plate Dimension** -Thickness x Width x Length : **110.0MMX2500MMX9000MM**

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		Mand Dia.	I	II	III	Avg	Temp °C	Orien
				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		Mand Dia.	I	II	III	Avg	Temp °C	Orien
A80765	A8076509A0	1	19.429	L	0.15	1.11	0.002	0.015	0.22	0.024	0.007	0.002	0.001	0.016	0.0010	0.007	0.0004	0.012	54	0.33	280	435	28		170	166	190	175.33	20	L
A80765	A8076510A0	1	19.429	L	0.15	1.11	0.002	0.015	0.22	0.024	0.007	0.002	0.001	0.016	0.0010	0.007	0.0004	0.012	54	0.33	280	435	28		170	166	190	175.33	20	L
Sub Total		2	38.858																											

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		Mand Dia.	I	II	III	Avg	Temp °C	Orien
A80769	A8076908A0	1	19.429	L	0.16	1.01	0.003	0.015	0.23	0.028	0.006	0.001	0.002	0.016		0.006	0.0004	0.013	55	0.33	284	437	27		175	142	168	161.67	20	L
Sub Total		1	19.429																											

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/8002/ 19.04.2018
Despatch Advice No:
Vehicle No.
" DOP can be viewed at www.jindalsteelpower.com"
* Gauge Length: 5.65(SO)1/2

JSPL/ANG/PM-QA&QC/F-25J

Prepared by SRIDHAR.BEHERA
Preparation Date :12.06.2018 09:06:58
Printing Date 12.06.2018 & Time 15:39:23

ONIRAM,LDA
DEP.QUALIDADE
RECEPÇÃO
DATA 2018/06/21
RUBRICA

Authorised Signatory
QA/QC PlateMill
For, JINDAL STEEL & POWER LIMITED