

STEEL MATERIAL INCOMING INSPECTION REPORTS															D.C. No. :- F/05/01 Issue no. :- 01, 01.07.2018 Rev. no. :- 02, 11.05.23																																																										
1780		SECTION :-		(30mm)		HAET NO. :-		K24-2018		INVOICE NO. :-																																																															
313125		STEEL SUPPLIER :-		K13CO		REC.QTY. :-		10970kg		INVOICE DATE :-		01/7/19		31/3/25																																																											
569086		STEEL TC NO. :-		1478		NO. OF BARS :-		21																																																																	
Process / Mfg Route: E.F. (REAFID), Fully Killed Bottom Poured Ingot																																																																									
<table border="1"> <thead> <tr> <th>%C</th> <th>%Mn</th> <th>%Si</th> <th>%S</th> <th>%P</th> <th>%Cr</th> <th>%Ni</th> <th>%Mo</th> <th>%Al</th> <th>%Cu</th> <th>%As</th> <th>%Sb</th> <th>%V</th> <th>%Pb</th> <th>%Ca</th> <th>%Nb</th> <th>%Ti</th> <th>%B</th> </tr> </thead> <tbody> <tr> <td>0.30</td> <td>1.70</td> <td>0.80</td> <td>0.010</td> <td>0.025</td> <td>1.5</td> <td>0</td> <td>0.70</td> <td>—</td> <td>0.50</td> <td>—</td> <td>—</td> <td>0.12</td> <td>—</td> <td>—</td> <td>—</td> <td>0.05</td> <td>0.005</td> </tr> <tr> <td>0.190</td> <td>1.284</td> <td>0.305</td> <td>0.003</td> <td>0.014</td> <td>1.060</td> <td>1.935</td> <td>0.337</td> <td>0.023</td> <td>0.122</td> <td>—</td> <td>—</td> <td>0.076</td> <td>—</td> <td>—</td> <td>0.002</td> <td>0.005</td> <td>0.0004</td> </tr> </tbody> </table>																	%C	%Mn	%Si	%S	%P	%Cr	%Ni	%Mo	%Al	%Cu	%As	%Sb	%V	%Pb	%Ca	%Nb	%Ti	%B	0.30	1.70	0.80	0.010	0.025	1.5	0	0.70	—	0.50	—	—	0.12	—	—	—	0.05	0.005	0.190	1.284	0.305	0.003	0.014	1.060	1.935	0.337	0.023	0.122	—	—	0.076	—	—	0.002	0.005	0.0004			
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Bar Size (As per WI...) Qty: 10 % Of Total Heat																																																																									
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Gas Content (PPM): As per Mill Tc																																																																									
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Steel Supply Condition: Hot Rolled																																																																									
MACRO (i) Internal soundness Sample: (ASTM E381 or as per customer) S R C																																																																									
(ii) Dendrite structure 01 sample: Value Obs. S R C																																																																									
(iii) Step Down Test Sample: (IS4075 or as per customer) —																																																																									
Micro structure As Rolled: Micro structure: (or as per customer)																																																																									
Mill Tc																																																																									
SSB																																																																									
ULTRASONIC TEST (AS PER ASTM A388): Mill Tc 4mm FBH on Jms Scale																																																																									
INCLUSION RATING (IS 14163 / ASTM: E45A OR REQUIRED BY CUSTOMER)																																																																									
<table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="2">A Sulphide</th> <th colspan="2">B Aluminate</th> <th colspan="2">C Silicate</th> <th colspan="2">D Oxide</th> <th colspan="2">DS</th> </tr> <tr> <th>TN</th> <th>TK</th> <th>TN</th> <th>TK</th> <th>TN</th> <th>TK</th> <th>TN</th> <th>TK</th> <th>TN</th> <th>TK</th> </tr> </thead> <tbody> <tr> <td>Cust Spec. If Any</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Mill Tc</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>1.0</td> <td>1.0</td> <td>—</td> </tr> <tr> <td>SSB</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>1.0</td> <td>1.0</td> <td>—</td> </tr> </tbody> </table>																		A Sulphide		B Aluminate		C Silicate		D Oxide		DS		TN	TK	TN	TK	TN	TK	TN	TK	TN	TK	Cust Spec. If Any	—	—	—	—	—	—	—	—	—	—	—	Mill Tc	—	—	—	—	—	—	—	—	1.0	1.0	—	SSB	—	—	—	—	—	—	—	—	1.0	1.0	—
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GRAIN SIZE: Spec.:- Mill Tc 6.5-7.0 SSB 6																																																																									
(ASTME112 / IS-4748)																																																																									
JOMINY HARDENILITY IS-3848 / ASTM A255 (As per required by Customer)																																																																									
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(i) Surface Condition 100 % Bars Checked OK																																																																									
(ii) Heat No. 100 % Bars Checked OK																																																																									
(iii) Color Code. 100 % Bars Checked OK																																																																									
REDUCTION RATIO: Specify BLOOM SIZE - REDUCTION RATIO: —																																																																									
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DECARB LEVEL: (AS PER IS 6396 / ASTM E1077)																																																																									
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UPSET/IBILITY TEST (AS PER IS 10167):																																																																									
Test Certificate verified for Each Heat no:																																																																									
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TDC / Customer STD SSB/TDC/ Mill Tc No. 1478 Mill Tc Date 28/3/18 Verified By: [Signature]																																																																									
(If Required in TDC / Customer) KCIL/22-23/1005 R3																																																																									
MIX-UP TEST (If Required in TDC / Customer)																																																																									
Verified By Mobile Spectro / X-Ray Gun / Spark Test																																																																									
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