SSB		RAW N	<b>IATERI</b>	AL INCO	MING IN	SPECT	ION R	EPORT	rs			D.C. No. :		
	1775	SECTION: - STEEL SUPPLIER: -	120mm		HAET NO : -		8858 INVOICE NO				Issue no. :- 01, 01.07.2018 Rev. no :- 02 , 11.05.23			
9	34 F 1053 H	STEEL TO NO : -	4)axt	Stee	REC.Q1		3190	io B	_	E DATE	201	8081		
Proces	ss /Mfg Route	ER	1F + 1 F	+110 +	NO. OF B	EDS	60	0			131	3/5	£	
%C		%S %P	%Cr 5	KNi %Mo	%AI	%Cu	%As	%Sb	%V	l NDL	1			
	180 0-600 0-150.	0.035 0.035	1 0 50 0		0.020			-	70 V	%РЬ	%Ca	%иь	%Ti	%B
0.40		0.031 0.035	0.250 0.	250 0.060	0.050			_	_		0.0010		=	0.000
lue 0.4	8010.8530308	810.0 10.0	0.188 0.	052 0015		0-128	=	-	8-0010		0.0000	5	0.010	0-00
Bar Siz	ze (As per Wl)	Qty :10 % Of Total H							0-002			(0.002	0015	0.000
		aty .10 % of total h	edt	Diameter	Section Size( in )									
Checked	5.NO. 1	2 3	4	5 6	7	8	9	10	11	12				
	1303	1303 130.	1801/18	20.5 120.7	120-3	5.08	190.5	120.6	180.2	120.4				
Gas Cr	ontent (PPM): As per Mill	Тс	N2	H2	02									
			Min 6		02									
			Max 18	20 2.5	20									
			Value Mill Tc 국	9 0.848	12_									
Steel	Supply Condition:		<b>101</b>	Rolled		- 1	1							
MAC	RO (i)	Internal soundne	ess Sample : (AS	TM E381 or as per	r customer )	s 23	R 25	c 2	MADO					
	<b>(**)</b>				ue Obs.	S <sub>2</sub>	Ro	Co	/					
	(ii)	Dendrite structure (	01 sample :											
	(iii)	Step Down Test Sar	mple :(IS4075 or	as per customer)	١	on								
Micro	o structure As Rolled :			4.0	_									
	s souther As Nonea .			Micro stre Mili Tc	uture ; ( or as pe	er customer)		11990						
				SSB		PIC					•			
											•			
ULTRA	ASONIC TEST (AS PER AST	: (88EA M	100000000000000000000000000000000000000	Mill Tc	10	/.0		A - a serial contra		<u> </u>	101		10	
						<b>0</b> √.D	عمرح		116	F-106	4-Bah	10W U	016	
INCLU	USION RATING ( IS 14163 /	ASTM: E45A OR REO	UITRED BY CUS	TOMER )										
			Sulphide	e Alu	B minate	Silica		Oxi			sc			
			TN	TK TN	TK	TN	TK	TN	TK	TN	TK			
		Cust Spec.If Any Mill Tc	-	5 2.0	1.0	0.2	0.5	1.0	1.0					
		SSB	1	5 05	0.0	0.0	0.0	1.0	0.0					
							0.0	7:50	.0.0					
GRAIN	N SIZE :	Spec.:- 5	<b>−</b> \$	Mill Tc	6-5		SSB	7						
(ASTN	ME112 / IS-4748)				- 4-5						1			
IOMIN	NY HARDENBILTY	Distance		2   -										
	48 /ASTMA255	Distance Spcificified	50-63 50	5 5	32-50 8	9 8-42	96-36	13	15	ಣ-30	25 2000EN	30 J		
(As pe	er required by Customer )		159.5 5	7.5 51.5	37	3145	3015	29.5	28.5	27	255	34.2		
		Observed	59 5	5 50	3.5	31	30	30	29	<b>१</b> 6 -	25	24		_
MECH	HANICAL PROPERTIES : (If	Required In TDC /Cus	itomer)	As p	per IS:1608/ AST	TM A 370			As per IS	5: 17 <u>5</u> 7				
				U.T.S N/mm2 /MPA	Y.S /MP/	N/mm2	%EL	IMPACT		IMPACT				
		Spr	ecified 4	30-1130		man	8mgs)	SO:T		120	<u> </u>			
		Ob	served	J.992		<del>1</del> 98	9	365						
	As Rolled Hardness	1	T 2 T	3 4	5									
	(BHN (Max / Min)	190		15 196	198									
	(If Required in TDC /	Customer )												
VISUA	AL:													
	(i) Surface C		Bars Checked	- OK			,							
	(ii) Heat No. (ii) Color Cod		Bars Checked Bars Checked	ok										
	(11)	9		0,0										
4	INTERIOR DATES		002 a 010	OM 6176	200	- COLUMNIAN DA						1		
	JCTION RATIO :	Specifiy 4	WIN BIG	ON SIZE -2 YOL	nayo RE	EDUCTION RA	uio: 5,	(;)						
		AS PER WIII IC												
	equired in TDC /Customer			Specified		0.1	mn (	ORP	-					
(If Re	equired in TDC /Customer	PER IS 6396 / ASTM E	1077)	Specified							1			
(If Re	equired in TDC /Customer	and the second s	1077)	Observed	PD	0.21		FD			1			
(If Re	equired in TDC /Customer	and the second s	1077]		PD	0.21	_	FD						
(If Re	equired in TDC /Customer		1077)	Observed	PD	0.21		FD						_
(If Re	equired in TDC /Customer   ARB LEVEL : [AS   Pequired in TDC /Customer		1077)		PD	0.21		FD						_
(If Re	equired in TDC /Customer ARB LEVEL · (AS I equired in TDC /Customer )  UPSETIBILITY TEST (AS F	PER IS 10167):	1077]	Observed	PD	0.21		FD						
(If Re	equired in TDC /Customer   ARB LEVEL : [AS   Pequired in TDC /Customer	PER IS 10167):		Observed  O L	PD Not Avail		Not Conf							
(If Re	equired in TDC /Customer ARB LEVEL · (AS I equired in TDC /Customer )  UPSETIBILITY TEST (AS F	PER IS 10167):		Observed			Not Conf				2			
(If Re DECA (If Re	equired in TDC /Customer ARB LEVEL · (AS I equired in TDC /Customer )  UPSETIBILITY TEST (AS F	PER IS 10167): Heat no:		Observed  Ok  available & Ok	Not Avail	ilable		orming					Ť	
(If Re DECA (If Re Test Ce	equired in TDC /Customer    ARB LEVEL :   JAS    equired in TDC /Customer    UPSETIBILITY TEST ( AS P	PER IS 10167) :  Heat no :  SSB/TDC/	l P	Observed  O L	Not Avail			orming	<b>Q</b> _					
(If Re DECA (If Re Test Ce	equired in TDC /Customer  ARB LEVEL: (AS I  Equired in TDC /Customer )  UPSETIBILITY TEST (AS P  ertificate verified for Each  Customer STD	PER IS 10167): Heat no:	A P	Observed  Ok  available & Ok	Not Avail	ilable		orming						
(If Re DECA (If Re Test Ce	equired in TDC /Customer   ARB LEVEL +   JAS   equired in TDC /Customer   UPSETIBILITY TEST ( AS P ertificate verified for Each Customer STD uired in TDC /Customer )	PER IS 10167):  Heat no:  SSB/TDC/	001 @3	Observed  Ok  vailable & Ok  Ok  Mill Tc No. 2	Not Avail	ilable		orming	<u> </u>					
(If Re DECA (If Re Test Ce	equired in TDC /Customer   ARB LEVEL +   JAS   equired in TDC /Customer   UPSETIBILITY TEST ( AS P ertificate verified for Each Customer STD uired in TDC /Customer )	PER IS 10167):  Heat no:  SSB/TDC/	001 @3	Observed  Ok  wallable & Ok  Ok  Mill Tc No. c	Not Avail	liable hill Tc Date 2		orming	<u></u>					
(If Re DECA (If Re Test Ce	equired in TDC /Customer   ARB LEVEL +   JAS   Equired in TDC /Customer   UPSETIBILITY TEST ( AS P ertificate verified for Each Customer STD uired in TDC /Customer )	PER IS 10167):  Heat no:  SSB/TDC/	001 @3	Observed  Ok  vailable & Ok  Ok  Mill Tc No. 2	Not Avail	liable hill Tc Date 2		orming	<b>Q</b>					
(If Re DECA (If Re Test Ce	equired in TDC /Customer   ARB LEVEL : [AS I equired in TDC /Customer ]  UPSETIBILITY TEST (AS F ertificate verified for Each Customer STD uired in TDC /Customer )  PTEST uired in TDC /Customer )	PER IS 10167):  Heat no:  SSB/TDC/ Verified By	001 @3	Observed  Ok  wallable & Ok  Ok  Mill Tc No. c	Not Avail	liable hill Tc Date 2		orming						
(If Re DECA (If Re Test Ce	equired in TDC /Customer   ARB LEVEL : [AS   Pequired in TDC /Customer   UPSETIBILITY TEST ( AS P ertificate verified for Each Customer STD uired in TDC /Customer )  PTEST ired in TDC /Customer   Other Remarks	PER IS 10167):  Heat no:  SSB/TDC/ Verified By	001 @3	Observed  Ok  wallable & Ok  Ok  Mill Tc No. c	Not Avail	liable hill Tc Date 2		orming	<u></u>					