1 mm Em	B	RAW	MATE	RIAL	INCO	MING II	NSPECT		(2)	INVOIC	E NO	1 4 4 3	44 1	04 24
55	AL TO	,				HAET NO : -		505 542	-	INVOICE		2	0/11	10 24
port NO.	1732 .	SECTION : -		SLR			GTY:-	590						
ATE:	25/11/24	STEEL SUPPLIER		111081	4	NO. OF	BARS:				1/01	%Ca	%Nb	%TI
RADE : -	Process /Mfg Route			%Ni	%Mo	%Al	%Cu	%As	%Sb	%V	%Pb	- XCa	-	
1)	%C %Mn 7631		1. O	76IVI	-	0.02			-	_		0.001		-
emistry	0.15 1.0 0.75			0.3	D.1	0.05	0.3		_			0.0006	7 70 4	0.004
x	0.2 1.3 0.4	2-0.00 0.01	11 1.24	0.013	0.005	0.027	0.016			0,002			0.004	100/1
Tc Value ctro Value	0.134 1.235 0.20	0.023 0.01	6 124	0,003	0,002	0.000								
ctro value	1 - 1 / 1 / 1	Qty :10 % Of Total	Heat				Tower 63	2 P. S.				980 S 433		
	Bar Size (As per Wi)			18 OF 18		Section Size(n mm) 8	9	10	11	12	-	4	
	10 5NO. 1	2 3	+ 49.6	455	49.4	50.1	50.2	50.1	50.0				_	
of Bar Checked	50 49.0	198 427	49.6	())	U, C									
	Gas Content (PPM): As per Mi	ill Tc		N2	H2	02	1							
	Gas Content (FF M). As per an		Min	60	-		1							
			Max Value	120	2.5	20	1							
			Mill Tc	921	1.76	11.4								
TOTAL STATE	Steel Supply Condition:			AS	Rolle	<i>4</i>	1							
	Meer supply comm													
		Internal soundn	acc Cample	LASTM F38	81 or as per	customer)	53	R 3	ر مح					
٨	MACRO (i)	Internal soundn	ess sample.	. (1001111111111111111111111111111111111	Valu	e Obs.	>52	> R2	- 20	2				
	(ii)	Dendrite structure	01 sample :											
	\"''							0/5				_		
	(iii)	Step Down Test Sa	mple :(IS407	'5 or as per	customer)			5/						
					Micro stere	iture : (or as	per customer	1						
M	Aicro structure As Rolled:				Mill Tc	osta di Phili	Fess	2/te+	pear			_		
					SSB		FESS	1th +	pe	viste		_		
1000							er de la consensa de la	00% 0	K		8			
UL	ltrasonic test (as per ast	M A388) :			Mill Tc			- 0 /. 0						
	ICLUSION RATING (IS 14163)	TACTAL FAEA OD DE	DUITRED BY (CUSTOMER	1								_	
IN	ICLUSION RATING (IS 14163)	ASIM: E45A OR REC	TOTAL	A	ľ	В		С		D	4	DS	-	
				hide	Alu	minate		cate		xide TK	TN	TK	\dashv	
			TN	TK	TN	TK	TN	0.5	1 · O	1.0		+ '''	_	
		Cust Spec.if Any	20	1.5	20	1.0	0.5	0,3	1.0	0				
		Mill Tc	1.5	0.5	0.5	0.0	0.0	0.0	1.0	0.0				
		SSB	1.5	6.7	0.5		-							
							•							
GR	AIN SIZE :	Spec.:-	5-8		Mill Tc	7,0		<u>\$\$B</u>	7.	0				
	STME112 / IS-4748)													
			1=: .			716	T- 0	1725	770			\neg		
	MINY HARDENBILTY	Distance Spcificified	41-46	78-44	5/0	315 29-35.5	720		24.5-3)	+				
	3848 /ASTMA255 per required by Customer)	Mill Tc	45.5	42.5	38.2	32.8	27.8	24.7	24.5					
(//,	per required by customer ,	Observed	42	41	35	31	30	28.5	26					
F											10. 175			
ME	CHANICAL PROPERTIES : (If F	Required in TDC /Cus	tomer)	<u></u>		er IS:1608/ / Y.S	N/mm2		INADAC	T VALUE	er IS: 175	PACT VALU	IF.	
				U.i	د.s 2 /MPA		MPA	%EL		ARRY	"""	IZOD		
		Spe	cified		-1570		· MA,	7	25					
			served	111		10		15.8	38					
							1							
	As Rolled Hardness	1	2	3	4	5	4							
	(BHN (Max / Min)	173	175	177	178	181	J							
	(If Required in TDC /C	ustomer)												
VISI	JAL ;													
1150	(i) Surface Co	ndition 100 % F	Bars Checked	1 .	OK	(NO 3	562)	WACK	, NOG	as CHF	120)			
	(ii) Heat No.		ars Checked	1	DK	C 50	562)		_					
	(ii) Color Code	. 100 % B	ars Checked		OŁ	('	renow.	+ B204	<u></u> 751					
		Specifiy	1	BLOOM SIZ	E. CO	0 X200	REDUCTION	RATIO:	20.37	+ :/				
		As Per Mill TC												
	equired in TDC /Customer) /													
(if Re			1077)	Spec	ified		0.60	Max						
(If Re	ARB LEVEL: (AS PE	ER IS 6396 / ASTM E	- 1	Obse	rved	PD	0	22	FD					
(If Re		ER IS 6396 / ASTM E												
(If Re	ARB LEVEL: (AS PE	ER IS 6396 / ASTM E												
(If Re	ARB LEVEL: [AS PE													
(If Re	ARB LEVEL: (AS PE											,		
(If Re	ARB LEVEL: [AS PE											,		
(If Re	ARB LEVEL: (AS PE	ER IS 10167) :												
(If Re	ARB LEVEL: [AS PE	ER IS 10167) :		Availabl		Not A	Available		informing					
(If Re DECA (If Re	ARB LEVEL: (AS PE equired in TDC /Customer) UPSETIBILITY TEST (AS PE	ER IS 10167) :		Availabl		Not A			enforming	_				
(If Re DECA (If Re	ARB LEVEL: (AS PE equired in TDC /Customer) UPSETIBILITY TEST (AS PE Certificate verified for Each P	ER IS 10167) :		0 }		Not A	Available	Not Co						
(If Re DECA (If Re	ARB LEVEL: (AS PE equired in TDC /Customer) UPSETIBILITY TEST (AS PE	ER IS 10167) : Heat no :		0 }		Not A		Not Co	onforming Verified	d By:				
(If Re DECA (If Re	ARB LEVEL: (AS PE equired in TDC /Customer) UPSETIBILITY TEST (AS PE Certificate verified for Each P	ER IS 10167) : Heat no :		0 }		Not A	Available	Not Co		d By :				
(If Re DECA (If Re Test (TDC (If Re	ARB LEVEL: [AS PE equired in TDC /Customer] UPSETIBILITY TEST (AS PE Certificate verified for Each F / Customer STD equired in TDC /Customer)	ER IS 10167): Heat no: SSB/TDC/		0)	Mill Tc No.		Available	Not Co		i By:				
(If Re DECA (If Re Test (TDC (If Re	ARB LEVEL: [AS PE equired in TDC /Customer] UPSETIBILITY TEST (AS PE Certificate verified for Each F / Customer STD equired in TDC /Customer)	ER IS 10167): Heat no: SSB/TDC/	y Mobile Spe	0)	Mill Tc No.		Available	Not Co		d By :				
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(If Re DECA (If Re Test (TDC (If Re	ARB LEVEL: [AS PE equired in TDC /Customer] UPSETIBILITY TEST (AS PE Certificate verified for Each F / Customer STD equired in TDC /Customer)	ER IS 10167): Heat no: SSB/TDC/	y Mobile Spe	O /	Mill Tc No.		Available	Not Co		i By:	(a)	NGINE A	F. Contraction of the Contractio	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
(If Re DECA (If Re Test (TDC (If Re	ARB LEVEL: [AS PE equired in TDC /Customer] UPSETIBILITY TEST (AS PE Certificate verified for Each F / Customer STD equired in TDC /Customer)	ER IS 10167) : Heat no : SSB/TDC/ Verified B	y Mobile Spe	O /	Mill Tc No.		Available	Not Co		i By:	(8)	A SING		