

## (STEEL PLANT DIVISION)

SILTARA INDUSTRIAL GROWTH CENTRE, RAIPUR (C.G.) Ph.: +91-7721-264241/263, FRE No.: +91-7721-264279/264240

BRD (MT) INVOICE NO DURN'T I TY RUCK NO 10 OF :HAPPY FORGINGS LTD. ELS) PO.JUGIANA, LUDHIANA :MB05532 :95 DIA :EN353 雁》的/配列 SPECIFICATION SECTION(MM) GUSTOMER CHARL

Shhhac

BA/RM/F10

:MP20HB BB54 :13/03/2018

invariant whether tolling :60PCS/12BNDLS 26,050

:XL=5-6 MTR

SUPPLY CONDITION MULTIPLE CENSTH

:8:82 :250 X 250 :BF/EDF/LRF/VD/CCM/SEN/M'EMS/AMLC

REDUCTION RATIO

PROCESS ROUTE

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CHEMICAL COMPOS	

		3%	Z.Mn	0.5	1	1,57	: XE : XMn : XP : XS : X51 : XCr	XCr ;	ZNI ;		OWD :	7.Pb ;	XCu ;	55%		7MG ; XPb ; XCu ; XSn ; XV ; XII ; XB ; ZAI ;	22	172		-
CUST. MIN	××	0.200	0,500,	0.05	0	.050.	0.200; 1.000; 0.050; 0.050; 0.350; 1.250;	0,750;	1,000; 0,080	00	120:	11		1 1	11		1 1	0.020	,020;	
ACTUAL		0.160; 0.9	0.900;	0.012	2; 0	1,025;	0.160; 0.900; 0.012; 0.025; 0.180; 1.150;		1,000, 0,100	0	1001	1	0.012;	1,900.0	0,007	1 0.012; 0.006; 0.007;0.0020;0.0003; 0.025;0.	0.000.	5, 0.0	25,0	100
2. MECHANICAL PROPERTIES	CAL	PROPERT	TES			S.	SPECIFIED			ACTUAL	AL.									

ELONGATIONS(5.655q.rt.A) HARDNESS (BHN/HRB/HRC) REDUCTION AREA X IMPACT

. METALLURGICAL PROPERTIES

SHE

180/200

P4F 5/8 MICRO STRUCTURE BRAIN SIZE(ASTM E112/15:4748) TOTAL DECARB (MM) SAEJ419

PERRITE-FERRITE 6.5/7.5

THIN ! THICK; THIN ; THICK; THIN ; TRICK; THIN ; THICK B-2.0/-A-2.01-SPECIFIC REQUIRMENT INCL RATINGS(ASTM E-45/15:4163)

0.0

C).

0.0

-

0.0

0.0

0.5

0.0

100

ACTUAL

THAN CZR252

BETTER

CZRZSZ MAK.

D-2,0/-

C-2.0/-

(186 -HARDENABILITY 15:3848/A255-02 MACRO ETCH TEST (ASTM E 4. D. I. VALUE (J406) JOMINY REQUIREMENT

11MM=30/35HRC

DIST-INCH/MM;

SPECIFIED MAX ACHIEVED GAS LEVEL (PPM)
GAS LEVEL (PPM) VALUES (HRC)

D' ...

2.0

# P

70-100 B5.0

N2:

20.0 16.8

62;

33,50

TIMM

REMARKS MECO

100% SPARK/SPECTRAL/MOBILE STEP DOWN TEST UPSET TEST LOOK MPI & UT TEST DK

¥ ¥

50

SPECTRO TEST

ALL SO WALL