D.C. No. - F/05/01 RAW MATERIAL INCOMING INSPECTION REPORTS **S50** Issue no. -- 01, 01.07.2018 Rev. no. - :- 02 , 11.05.23 HAET NO 7463 INVOICE NO. ILIPITAY! MATT STEEL SUPPLIER REC OTY INVOICE DATE STEEL IC NO NO. OF BARS MMn XV KPb %Ca KND %Ti nugg MINI 0.02 a.h. 0.25 0.06 0 0.035 000 cces -210. L L.LIZ! 0.00 011 0.01 0000 0.0020.013 0.0004 . 60 Bar Site (As per WI...) Diameter/Section Size(in mm) SNO 12 120.3 120.4 113 8 1/3,7 1/3,7 100.1 120 Gas Content (PPM): As per Mill Te Min Мак Value 0.84 13 80 MIII To Steel Supply Condition AS ROHED MACRO Internal soundness Sample : (ASTM £381 or as per customer) 52 Value Obs (11) Dendrite structure 01 sample (111) Step Down Test. Sample :(IS4075 or as per customer.) Micro streuture (or as per customer) Micro structure As Rolled 558 100 V. DK ULTRASONIC TEST (AS PER ASTM A388): INCLUSION RATING (IS 14163 /ASTM: E45A OR REQUITRED BY CUSTOMER Aluminate Silicate TN TK TN TK TK TK TN TK TN TN 1.0 0.5 1.0 1.0 2.0 Cust Spec.If Any 2.0 0.0 0.5 0.0 1.0 0.5 MIII To 0.0 0.0 0.0 0.1 0.0 550 7.0 22B MILTO GRAIN SIZE Spec.: (ASTME112 / IS-4748) 12. A.J. A.J. 3. 22-30 20 710 22-30 20 71 20 My 1 12 215 220 111 11.5 30 00-61 41.58 22.50 40 37 Distance JOMINY HARDENBILTY 16-36 Spcificified 30.5 15-3848 /ASTMA255 70 55 Mill To 60 2.5 (As per required by Custome 25 35 Observed As per IS: 1757 As per IS:1608/ ASTM A 370 MECHANICAL PROPERTIES: (If Required in TDC /Customer) IMPACT VALUE IMPACT VALUE N/mm2 U.I.S Y.5 **%EL** /MPA 106 MA CHARRY IZOD N/mm2/MPA 3.0 Specified 455 783 380 Observed 703 As Rolled Hardness (BHN (Max / Min) (If Required in TDC /Customer (Pust, Coalr, Gaz (Hing) VISUAL 100 % Bars Checked **Surface Condition** 7469) (i) 01 JEllow + Green Del) 100 % Bars Checked Heat No. (II)100 % Bars Checked Color Code (ii)BLOOM SIZE . ZYO X ZYO REDUCTION RATIO : 5.1:1 REDUCTION RATIO : (if Required in TDC /Customer) As Per Mill TC Specified (AS PER IS 6396 / ASTM E1077) FD 0.22 PD Observed (if Required in TDC /Customer) UPSETIBILITY TEST (AS PER IS 10167) Not Conforming Not Available Available & Ok lest Certificate verified for Each Heat no 0/ Verified By Mill To Date Mill Te No. SSB/TDC/ TOC / Customer \$10 (if Required in TDE /Customer) Verified By Mobile Spectro /X Ray Gun/Spark Test (if pequired in 1DC /Customer) Rejected Accepted 1 Other Remarks Approved By

Charles By