Issue no. :- 01, 01.07.2018 RAW MATERIAL INCOMING INSPECTION REPORTS Rev. no. - :- 02 , 11.05.23 SE 244-12722 INVOICE NO. HAET NO : -SECTION: INVOICE DATE. 14730 1745 REC.QTY : -SLR \$24121573 STEEL SUPPLIER : -06/01/025 NO. OF BARS: DATE : STEEL TO NO : -16mh 05 GRADE %Ca %Nb %Ti %Pb %V %As %Sb %Al %Cu %Mo %Ní **%**S %P %Cr (01) %Si %Mn 0.07 0.0005 0.13 1.0 0.15 0.015 -0.8 0.002 Chemistry 0.18 1.3 0.4 0.03 0.02 1.1 0.3 0.1 0.05 0.3 0.166 1.26 0.25 0.02 0.017 1.064 0.01 0.008 0.018 0.01 0.17 1.26 0.253 0.022 0.017 1.085 0.018 0.002 0.024 0.008 0.0005 0.00p 0.00A 0.000y 0.000 0.006 0.001 0.001 0,04 0.002 0.005 0.004 Max 0.003 Mill To Value Spectro Value Qty:10 % Of Total Heat (As per Wl...) Diameter/Section Size(in mm) 11 12 2 3 4 5 o of Bar Checked . [.Q. S.NO 59.6 59.9 59.8 59.7 59.6 59.5 59.4 59.3 59.8 59.7 H2 Gas Content (PPM): As per Mill To 60 Min 20 2.5 120 Max Value 15:1 1.18 82.5 As Rolled Steel Supply Condition: (04) R 7 Internal soundness Sample : (ASTM E381 or as per customer) MACRO 202 722 7 52 Dendrite structure 01 sample : (ii) OK (iii) Step Down Test Sample :(IS4075 or as per customer) Micro streuture : (or as per customer Micro structure As Rolled: (06) Mill Tc SSB 100 Y. OZ ULTRASONIC TEST (AS PER ASTM A388): Mill To INCLUSION RATING (IS 14163 /ASTM: E45A OR REQUITRED BY CUSTOMER) (08) Oxide Silicate Sulphide Aluminate TN TK TN TK TN TK TK TN TK TN TN 2.0 1,0 1,0 2.0 0.0 1.0 0.5 Cust Spec.If Any 1.5 0.5 0.0 0.0 Mill Tc 1.5 015 0.0 0,0 0.0 0.5 SSB 0.5 SSB Mill Tc GRAIN SIZE : Spec.:-(ASTME112 / IS-4748) 5/5 J5 J10 J15 J20 39-44 J45-40 23-355 25-215 225-23 41.9 38.7 201 26.4 23.8 **J2**5 Distance 21-27-5 20-26.5 JOMINY HARDENBILTY Spcificified IS-3848 /ASTMA255 4.7 (As per required by Customer) Mill Tc Observed As per IS: 1757 As per IS:1608/ ASTM A 370 MECHANICAL PROPERTIES: (If Required in TDC /Customer) IMPACT VALUE IMPACT VALUE (11) N/mm2 IITS Y.S CHARRY IZOD /MPA N/mm2 /MPA 1030- 1370 735 MM. Specified 38.5 932 1068 Observed As Rolled Hardness (BHN (Max / Min) (If Required in TDC /Customer) NO (RUST, GAS (4+)749, CAILIS) (12) VISUAL: 100 % Bars Checked OK. Surface Condition (i) 52869) PAK+49002 100 % Bars Checked Heat No. (ii) 100 % Bars Checked Color Code (ii) BLOOM SIZE - 200 X 200 REDUCTION RATIO: 14, 15:1 (13) Specifiy REDUCTION RATIO: (If Required in TDC /Customer) As Per Mill TC 0.36mex DECARB LEVEL: [AS PER IS 6396 / ASTM E1077] Specified (14) FD Observed PD 0,22 (If Required in TDC /Customer) (15) UPSETIBILITY TEST (AS PER IS 10167) : Available & Ok Not Conforming (16) Not Available Test Certificate verified for Each Heat no : Verified By Mill Tc Date Mill Tc No. SSB/TDC/ TDC / Customer STD (If Required in TDC /Customer) Verified By Mobile Spectro /X-Ray Gun/Spark Test MIX-UP TEST (If Required in TDC /Customer) Rejected Accepted 1 Other Remarks Approved By Checked By (P)/12

D.C. No. :- F/05/01