

S. NO.	Nomenclature & Drawing No.	Manufacturing Technology & / Inspection Facilities required to produce the item	Essential (to be possessed by the vendor in his premises) (P&M list and Testing / Inspection equipment list to be submitted)	Desirable (May be possessed by the Vendor in his premises (or) outsourced) (Self declaration to be submitted)
1	1. BOLT -3M16X1.5-6GX40.88.38 2. BOLT -GOST:7796/2M8X20 3. BOLT -M12-6GX20.46.016 4. BOLT -3M16X1.5-6GX40.88.38 5. BOLT -M12-6GX25.66.016 6. BOLT -3M10-6GX20.66.016 7. BOLT -M16-6GX55.8.38XC.016 8. BOLT -GOST:7798(M10X25) 9. BOLT -GOST:7798(M6X16) 10. BOLT -M8X1-6GX18.46.016 11. BOLT -M8X1-6GX30.46.016 12. BOLT -54.40.162	Raw Cutting Die Material Blank forming Hot Head Forging Head Forging Cold forming Cold Thread Rolling Tapping	Band saw cutting machine to Dia 100mm Press to exert around 200-ton force to form head in hot forming as per drawing through various dies at high pressure along with furnace (Electrical / Induction) to heat up to 1200-1300 deg C Press to exert around 200-ton force to form head in cold forming as per drawing through various dies at high pressure. Rolling machine of capacity 15 to 50-ton force and 1 to 2.5 mm pitch or more as per requirement Or Conventional thread cutting lathe with auto loading equipment along with relevant cutters & fixtures Suitable tapping machine to form pitch of 1 to 2.5mm or more as per drawings	Appropriate CAD/CAM Software for designing of dies suitable to fasteners as per given drg.

<p>13. BOLT - M8-6GX16.66.016</p> <p>14. BOLT - GOST:7796(M12X40.46)</p> <p>15. BOLT - 3M8X1-6GX20.46.016</p> <p>16. BOLT - M16-6GX45.88.38XC.016</p> <p>17. HEX. SOCKET HEAD CAP SCREW - IS:2269(M6X12)</p> <p>18. BOLT -520.01.002-02</p> <p>19. BOLT - GOST:7796(M12X50)</p>	<p>Isothermal Hardening</p> <p>Heat Treatment</p> <p>Tempering Furnace</p> <p>Coating facility</p> <p>Inspection</p>	<p>Salt bath with Neutral Salt temperature upto 950 deg C. Base bath to cool with composition of sodium hydroxide and calcium hydroxide with temperature upto 350 deg C Or Equivalent process</p> <p>Induction / Electrical / oil fired furnace to heat upto 1400 deg C</p> <p>Induction / Electrical / oil fired furnace to heat upto 600-700 deg C</p> <p>Zinc Chromating / Chemical Oxidizing / chemical phosphating and Chromating Nickel. The relevant bath like facility with chemical concentration as per drawing documents. plant</p> <p>UTM, Hardness tester, impact testing machine, MPI Test. <i>NABL certified Lab</i> Relevant gauges, Feeler gauges</p>	<p><i>520.01.002-02</i></p> <p><i>AK</i></p>
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