

VENDOR QUALIFICATION CRITERIA

ANNEXURE - A

NOMENCLATURE & DRAWING	MANUFACTURING TECHNOLOGY & TESTING/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)
BOLT, NUT & SCREW	Raw Material Cutting	Band saw cutting machine to DIA 100 mm	
	Die		Appropriate CAD/CAM Software for designing of dies suitable to fasteners as per given drg.
	Blank Head forming Forging Hot	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.	
	Blank Head forming Forging Cold	Press to exert around 200 - TON force to form head in cold forming as per drawing through various dies at high pressure	
	Thread Rolling	Rolling machine of capacity 15 to 50 - TON force and 1 - 12.5 mm pitch or more as per requirement Or Conventional thread cutting lathe with auto loading equipment along with relevant cutters & fixtures.	
	Tapping	Suitable tapping machine to form pitch of 1 to 2.5mm or more as per drawings.	
	Isothermal Hardening	Salt bath with Neutral Salt temperature upto 950°C .Base bath to cool with composition of sodium hydroxide and calcium hydroxide with temperature upto 350°C or Equivalent process	
	Heat Treatment	Induction/Electrical/oil fired furnace to heat upto 1400 °C	
	Temperature Furnace	Induction/Electrical/oil fired furnace to heat upto 600 - 700 °C	
	Coating facility	Zinc Chromatizing /Chemical Oxidizing /chemical phosphating and Chromatizing Nickel.The revelant bath like facility with chemical concentration as per drawing documents . Plant	
	Inspection	UTM,Hardness tester ,impact testing machine ,MPI test .NABL Certificate Lab/Relevant gauges ,Feeler gauges.	

FORMAT FOR THE METHOD OF MANUFACTURE/ INFRASTRUCTURE AVAILABLE

Nomenclature & Drawing No: _____

1	2	3	4	5	6	Remarks
MANUFACTURING TECHNOLOGY&TESTING/ INSPECTION FACILITIES REQUIRED TO PRODUCE THE ITEM	POSSESSED BY THE VENDOR IN HIS OWN PREMISES -(P&M LIST &TESTING/INSPECTION EQUIPMENT LIST TO BE SUBMITTED)	PROVIDE DETAILS OF THE FACILITIES ASKED IN COLUMN (3)THAT ARE AVAILABLE IN-HOUSE (SELE-DECLARED P&M LIST (Nomenclature of machine, make/model, capacity/size & accuracy, date of installation, vintage of machine /year of manufacturing of machine)AND TESTING/INSPECTION EQUIPMENT,LIST (Nomenclature of the testing/inspection equipment make/model, size & range, Date of calibration)also to be submitted)	IF NOT POSSESSED BY THE VENDOR IN HIS OWN PREMISES IT MAY BE OUT SOURCED.(MOU/TIE-UP WITH THE OUTSOURCING VENDOR/SUB-VENDOR AND THEIR P&M LIST &TESTING/INSPECTIN EQUIPMENT LIST TO BE SUBMITTED)	PROVIDE DETAILS OF THE FACILITIES ASKED IN COLUMN (5)OUT-SOURCED FIRMS(NAME &ADDRESS OF THE OUTSOURCING VENDOR TO BE DECLARED BY THE FIRM IN FIRM'S LETTERHEAD, SELF-DECLARED P&M LIST (Nomenclature of machine, make/model, capacity/size& accuracy, date of installation, vintage of machine /year of manufacturing of machine)AND TESTING/INSPECTION EQUIPMENT,LIST (Nomenclature of the testing/inspection equipment make/model, size& range, date of calibration)AND MOU/TIE-UP ALSO TO BE SUBMITTED)		
Technology 1						
Technology 2						
Technology 3						
Test/ inspection1						
Test/ Inspection2						
Test/ Inspection3						

*The above details furnished by the vendor is to be self-certified for technical evaluation

*Inspection of item will be carried out at par with QAP, which is attached along with TE

SIGNATURE OF AUTHORIZED PERSON WITH SEAL