

**COMPLETING ARTICLES SHOP (69)
Vendor Qualification Criteria (VQC)**

NOMENCLATURE & DRAWING No.: SHACKLE to Drg. No. 176.64.016-2, LF No. 6206420045

18/3/2023

1	2	3	4	5	6
		MUST BE 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 (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) ALSO TO BE SUBMITTED)	MAY BE POSSESSED BY THE VENDOR IN HIS OWN PREMISES OR OUT SOURCED - (MOU/TIE-UP WITH THE OUTSOURCING VENDOR/SUB-VENDOR AND THEIR P&M LIST & TESTING/INSPECTION EQUIPMENT LIST TO BE SUBMITTED)	PROVIDE DETAILS OF THE FACILITIES ASKED IN COLUMN (6) THAT ARE AVAILABLE IN-HOUSE OR OUT-SOURCED FIRMS (NAME AND 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	STEEL FORGE			176.64.016-2 Est. Wt. 0.09 Kg.	
Technology 2	*MACHINING	1) Conventional/CNC Turning Center, Cap. Dia. 8mm Min 2) Conventional/CNC VMC/HMC, Cap. 347x218mm Min.			
Technology 3	HEAT TREATMENT			Blank Hardening 302-255 BHN,	
Technology 4	SURFACE COATING			Zinc-6, Chromatizing.	
Test/ Inspection 1	TESTING MACHINE			1) Brinell Hardness Tester 2) Plating Thickness Meter	
Test/ Inspection 2	MEASURING INSTRUMENTS/ GAUGES	Required measuring Instruments/Suitable Standard Gauges.			
Test/ Inspection 3	MEASURING GEOMETRICAL ACCURACY			3D/CMM Table working area 500 x 500 mm min.	

<p>Test/ Inspection 4</p>	<p>TESTING MACHINE</p>		<p>Ultrasonic/Radiographic testing, Spectroscope/NABL Certified lab report for Chemical composition, Mechanical properties specified as per material Specification to be produced.</p>	
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Note: (1) Facilities must be available with vendors own premises - including facilities available with **Sister / Parent Concerns / Strategic Partners** shall be Considered for Capacity Verification subjected to documentary evidence to prove the relationship / ownership.

- (2) *The firm may indicate the alternate machines/process by which the component can be manufactured as per technical specification/drawing.
- (3) Firm should give undertaking that they will develop the all the testing facility if they get order.
- (4) Firm should be capable to arrange the raw material like Forge material etc., as per drawing specification and standard.

M. GNANASEKARAN
WM/CA-1



ANTARYAMI PRADHAN
JWM/QA-(OE) CA



LAKSHMINARAYANAN C
JWM/CA



NEERAJ KUMAR
DGM/QA-INS-(OE)



ANINDY K PAIK
DGM/CA, TRG & RG



J.P. SINGH
GM/OPN-1

