

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

NOMENCLATURE & DRAWING No.: FLAP, RIGHT-HAND to Drg. No. 175.28.020CB, LF No. 6206890012

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) AND 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 (5) THAT ARE AVAILABLE IN-HOUSE OR OUT-SOURCED FIRMS (NAME AND ADDRESS OF THE OUTSOURCING VENDOR TO BE DECLARED BY THE FIRM IN FIRMS' 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	METAL CUTTING			Laser/Gas Cutting or Water Jet Cutting Thickness 10 mm Max.	
Technology 2	STEEL CASTING			Investment Casting 172.28.144-3.1st Wt. 0.04 kg 175.28.029.1st Wt. 0.08 Kg	
Technology 3	BENDING/FORMING			Suitable Press Hydraulic/Power	
Technology 4	HEAT TREATMENT			BHN 302-255 HRC 37 - 47	
Technology 5	*MACHINING	1) Conventional Lathe/CNC Turning center, Holding dia. 10 mm Min. 2) Conventional/CNCHMC Bed Cap. 415x225mm Min.			
Technology 6	FABRICATION	Assy. Welding facility MIG/ARC			
Technology 7	SURFACE COATING			Cromium Plating Chemical Oxidizing /Phosphating, Oil finish Zn6cr	
Test/Inspection 1	MEASURING INSTRUMENTS /GAUGES	Required Measuring Instruments/Suitable Standard Gauges.			

Test/ Inspection 2	TESTING MACHINE			Hardness Tester	
Test/ Inspection 3	TESTING MACHINE			Spectroscope/NABL Certified lab report for Chemical composition, Mechanical properties specified as per material Specification to be produced.	

- 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.  
 \*\* Firm should give undertaking that they will develop the all the testing facility if they get order.
- (3) Requirements of Investment Castings requirements as per 172. TY 10.
- (4) Firm should be capable to arrange the raw material like Investment Casting, Sheet, Wire, etc., as per drawing specification.
- (5) BO items required for assembly may procure from the established suppliers of HVF/AVNL.