

**HULL SHOP / CODE (88)**  
**Vendor Qualification Criteria (VQC)**

NOMENCLATURE & DRAWING No.: 5<sup>TH</sup> LH & RH SUPPORT OF ROAD WHEEL ARM to Drg. No. 172.01.640-4, LF No. 6206831639

1	2	3	4	5	6
	MANUFACTURING TECHNOLOGY & TESTING / INSPECTION FACILITIES REQUIRED TO PRODUCE THE ITEM	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 (5) 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 CASTING			Casting: <b>172.01.640-4</b> , Estimated Wt: 68.5 kg	
Technology 2	HEAT TREATMENT			Normalizing, Hardening with high tempering Dia. of Indent 3.5 to 3.8	
Technology 3	SURFACE CLEANING			Shot Blasting	
Technology 4	*MACHINING	CON/CNC Vertical / Horizontal Turning Center Chuck Cap. 600 mm Min. CON/CNC Vertical / Horizontal Machining Center 600x600 mm Min.			
Test/ Inspection 1	TESTING MACHINE			Brinell Hardness Tester	
Test/ Inspection 2	MEASURING INSTRUMENTS /GAUGES	Required Measuring Instruments/Suitable Standard Gauges.			

Test/ Inspection 3	MEASURING GEOMETRICAL ACCURACY			3D/CMM Table working area 600 x 600 mm min.	
Test/ Inspection 4	TESTING MACHINE			Ultrasonic/Radiographic testing, 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) Firm should be capable to arrange the raw material like casting material as per drawing & specification.

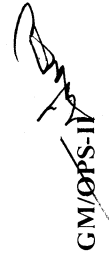
(4) Firm should be capable to arrange Suitable Furnace for carrying out Hardening and Tempering.

(5) Bracket dimensions given in drawing to be machined after welding in Hull. Refer technological process book.

  
DO/HULL

  
JWM/QA (HULL)

  
21/8/23  
JWM(SG)/HULL-PLG

  
GM/OPS-IT