

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

NOMENCLATURE & DRAWING No. **BRANCH PIPE to Drg. No. 175.01.072-2A, LF No. 6206831323**

| 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 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 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 | STEEL CASTINGS | | | Casting: 175.01.072-2A Est. Wt: 5 kg. | |
| Technology 2 | HEAT TREATMENT | | | Normalizing. | |
| Technology 3 | SURFACE CLEANING | | | Shot Blasting | |
| Technology 4 | *MACHINING | 1) Center Lathe/VTL Chuck Dia. 490 mm Min. 2) Conventional/ CNC VMC/HMC Table Cap. 490x375mm Min. | | | |
| Technology 5 | FABRICATION | CO2/Metal arc welding / Dressing facility | | | |
| Test/ Inspection 1 | MEASURING INSTRUMENTS | Measuring Instruments required as per drawing. | | | |

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|-----------------------|-----------------|--|--|---|--|
| Test/ Inspection 2 | PRESSURE TEST | To be tested for air tightness with water or air at a pressure $0.2^{+0.02}$ MPa ($2+0.2$ Kg/cm ²) for 3 ⁻² minutes. | | | |
| Test/ Inspection 3 | TESTING MACHINE | | | Ultrasonic/Radio graphic testing, 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) Steel Casting shall be accord as per Specifications I72.TY.4.

(3) *The firm may indicate the alternate machines/process by which the component can be manufactured as per technological process drawing.

(4) Firm should give undertaking that they will develop the all the fixture/testing facility if they get order.

(5) For Machining refer Technological process book.


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DGM/CA


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