

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

NOMENCLATURE & DRAWING No. Components as per enclosed list, Annexure-I
(Note: This VQC is applicable if all the 12 items as per enclosed list is to be tendered in one batch)

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	RAW MATERIAL			Investment Casting as per drawing Est. Wt. as per drawing.	
Technology 2	HEAT TREATMENT			Normalizing, Hardening as per drawing requirements.	
Technology 3	SURFACE CLEANING			Shot Blasting	
Technology 4	*MACHINING	Conventional Milling/CNC VMC/HMC Bed cap. 550x300mm min Conventional Lathe/CNC Turning Center, min job dia. 30mm			
Technology 5	BROACHING			Spline Broaching module 1 as per drawing	

Technology 6	SURFACE COATING	Primer, Enamel Coating requirements as drawing.	Zinc Chromatizing thickness as per drawing requirements
Test/ Inspection 1	MEASURING INSTRUMENTS	Measuring Instruments required as per components drawing.	Brinell Hardness tester Coating thickness meter
Test/ Inspection 2	MEASURING GEOMETRICAL ACCURACY		3D/CMM Table working area 290 x520 mm min.
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.

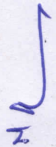
Note: (1) Facilities must be available with vendors own premises - including facilities available with **Sister / Parent Concerns / Strategic Partners** shall be Considered for Capacity Verification subjected to documentary evidence to prove the relationship / ownership.


(2) Investment Casting shall be accord as per Specifications 172-TY-10.

(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&SMS


ANTARYAMI PRADHAN
JWM/QA(OE/CA)


LAKSHMINARAYANAN C
JWM/CA

Annexure-I

COMPLETING ARTICLES SHOP

Sl. Bn No	LF No.	Item description	Drg.No.	Remarks
1	6206102329	SUPPORT	175.02.182-1	
2	6201218043	LEVER	185.18.048	
3	6201218044	FORK	185.18.049	
4	6206102338	LEVER	175.02.220-1.	
5	6206419163	SCREW CAP	175.63.053.	
6	6201064007	SUPPORT	175.64.008-1	
7	6206420078	LEVER	172.64.046	
8	6201218045	LEVER	185.18.050	
9	6206211079	BRACKET	172.28.030-1A	
10	6206211194	BOSS	172.18.009B	
11	6201021085	FLANGE	188.21.108	
12	6206211073	STOP	172.28.022-2	