

COMPLETING ARTICLES SHOP (69)

Vendor Qualification Criteria (VQC)

NOMENCLATURE & DRAWING No. BRACKET to Drg. No. 175.63.082, LF No. 6206419181

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 machine/Year 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 CASTINGS			Investment Casting: Est. Wt: 0.70 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing,	
Technology 3	SURFACE CLEANING			Shot blasting	
Technology 4	*MACHINING	Conventional Milling/ CNC VMC/HMC Bed cap. 385x263mm Min.			
Test/Inspection 1	MEASURING INSTRUMENTS/ GAUGES	Required measuring Instruments/Suitable Standard Gauges.			


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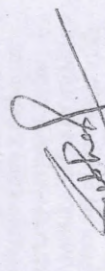
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Test/ Inspection 2	TESTING MACHINE			Ultrasonic testing, Spectroscope/NABL Certified lab report for Chemical composition, Mechanical properties specified as per material Specification to be produced.
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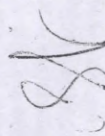
Note: (1) Facilities must be available with vendors own premises - including facilities available with Sister / Parent Concerns / Strategic Partners shall be Considered for Capacity Verification subjected to documentary evidence to prove the relationship / ownership.


- (2) *The firm may indicate the alternate machines/process by which the component can be manufactured as per technical specification/drawing.
** 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 Investment Casting as per drawing/specification.
- (4) Firm should be capable to arrange Suitable Furnace for carrying out Normalizing.



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WM/CA-I


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WM/CA-II ✓


ANIMESH PAIK
DGM/CA, TRG & RG


J.P. SINGH
GM/SBU-I (OE)

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

NOMENCLATURE & DRAWING No. **BRACKET** to Drg. No. 188.21.030, LF No. 6201021066

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 (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 CASTINGS			Casting: 188.21.030 Estimated Wt: 6.0 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing, Hardening & Tempering. Hardness -217-285 BHN	
Technology 3	*MACHINING	CNC VMCHMC Table cap 402x394mm Min.			
Test/Inspection 4	TESTING MACHINE			Brinell Hardness Tester	

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AWM/QA(NF)

SUCHEETH AGARWAL
WM/CA-II

COMPLETING ARTICLES SHOP
Vendor Qualification Criteria (VQC)

NOMENCLATURE & DRAWING No. BRACKET to Drg. No. 185.18.080, LF No. 6201218052

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 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 CASTINGS			Casting: 185.18.080 Estimated Wt: 1 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing, Hardening & Tempering. (Medium Hardness)	
Technology 3	*MACHINING	CNC VMC/HMC Table cap 385x216mm Min.			
Test/Inspection 4	TESTING MACHINE			Brinell Hardness Tester	

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WM/CA

Subham
SUBHAM BILALWAN
AWM/QA(NF)
RIG - SA

SH
SUCHEETH AGARWAL
WM/CA-II

AGM/MM

AGM/P

AGM/QA

COMPLETING ARTICLES SHOP (C^o)
Vendor Qualification Criteria (VQC)

NOMENCLATURE & DRAWING No. BODY to Drg. No. 185.18.079, LF No. 6201218051

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 CASTINGS			Casting: 185.18.079 Estimated Wt: 1.07 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing, Hardening & Tempering (Medium Hardness)	
Technology 3	*MACHINING	1) CNC VMC/HMC Table cap 375x251mm Min. 2) Center Lathe Chuck dia. 300mm right			
Test/ Inspection 4	TESTING MACHINE			Brinell Hardness Tester	

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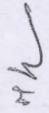
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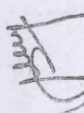
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Technology 1	STEEL CASTINGS			Investment Casting: Estimated Wt: 0.1 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing,	
Technology 3	SURFACE CLEANING			Shot blasting	
Technology 4	*MACHINING	Conventional Milling/CNC VMC/HMC Bed Cap. 235x216 mm min.			
Test/Inspection 1	MEASURING INSTRUMENTS/ GAUGES	Required measuring Instruments/Suitable Standard Gauges.			
Test/Inspection 2	MEASURING GEOMETRICAL ACCURACY			3D/CMM Table working area 300 x 300 mm min.	

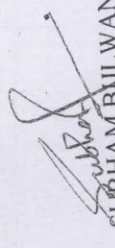
Test/ Inspection 3	TESTING MACHINE		Ultrasonic testing. Spectroscope/NABL Certified lab report for Chemical composition. Mechanical properties specified as per material Specification to be produced
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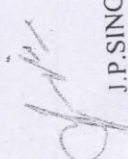
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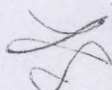
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

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WM/CA-1


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Vendor Qualification Criteria (VQC)


NOMENCLATURE & DRAWING No. BOSS to Drg. No. 175.04.341-A, LF No. 6206804254

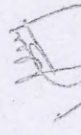
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Technology 1	STEEL CASTINGS			Investment Casting: Est. Wt: 0.96 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing,	
Technology 3	SURFACE CLEANING			Shot blasting	
Technology 4	*MACHINING	Conventional Milling/ CNC VMC/HMC Bed cap. 272x240 mm Min.			
Test/ Inspection 1	MEASURING INSTRUMENTS/ GAUGES	Required measuring Instruments/Suitable Standard Gauges.			


Test/ Inspection 3	TESTING MACHINE			Ultrasonic testing, Spectroscope/NABL Certified lab report for Chemical composition, Mechanical properties specified as per material Specification to be produced.
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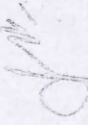
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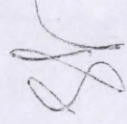
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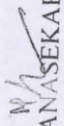
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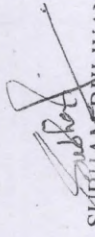
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Technology 1	STEEL CASTINGS			Investment Casting; Est. Wt: 0.010 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing,	
Technology 3	SURFACE CLEANING			Shot blasting	
Technology 4	*MACHINING	Conventional Milling / CNC VMC/HMC Bed cap. 224x212mm Min.			
Technology 5	SURFACE COATING			Zinc 6 Chromatrizing,	
Test/ Inspection 1	TESTING MACHINE			Plating Thickness Meter	
Test/ Inspection 2	MEASURING INSTRUMENTS/ GAUGES	Required measuring Instruments/Suitable standard Gauges.			


Test/ Inspection 3	TESTING MACHINE			Ultrasonic testing, Spectroscope/NABL Certified lab report for Chemical composition, Mechanical properties specified as per material Specification to be produced
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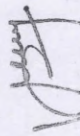
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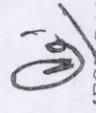
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COMPLETING ARTICLES SHOP
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NOMENCLATURE & DRAWING No. RH EJECTION DUCT ASSY to Drg. No. 175.01.144SB, LF No. 6206801088

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 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 CASTINGS			Consisting of two child parts. Investment Casting: 175.01.310 Est. Wt: 0.3 175.01.309 Est. Wt. 1.16 kg - Approx	
Technology 2	HEAT TREATMENT			Normalizing,	
Technology 3	SURFACE CLEANING			Shot blasting	
Technology 4	*MACHINING	Conventional Milling/ CNC VMC/HMC Bed cap. 486x272 mm Min.			
Technology 5	FABRICATION	Assy, Welding facility Manual ARC/MIG			
Technology 6	SURFACE COATING	Spray/Brush painting facility for Primer, requirements as per 520 TY5			
Test/ Inspection 1	MEASURING INSTRUMENTS/ GAUGES	Required measuring Instruments/Suitable Standard Gauges.			


Test/ Inspection 2	MEASURING GEOMETRICAL ACCURACY			3D/CMM Table working area 400 x 400 mm min.	
Test/ Inspection 3	TESTING MACHINE			Ultrasonic 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.

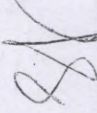
(2) *The firm may indicate the alternate machines/process by which the component can be manufactured as per technical specification/drawing.
** Firm should give undertaking that they will develop the all the testing facility if they get order.

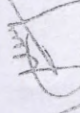
(3) Firm should be capable to arrange the raw material Investment Casting as per drawing/specification.


(4) Firm should be capable to arrange Suitable Furnace for carrying out Normalizing.



M. GNANASEKARAN
WM/CA-1


SUBHAM BIN WAN
AWM/QA-RIG(OE)


SUCHEETH AGARWAL
WM/CA-II


NEERAJ KUMAR
DGM/QA-RIG (OE)


ANIMESH PAIK
DGM/CA, TRG & RG


J.P. SINGH
GM/SBU-1 (OE)

COMPLETING ARTICLES SHOP
Vendor Qualification Criteria (VQC)

NOMENCLATURE & DRAWING No. POINTER INDICATOR to Drg. No. 175.64.094, LF No. 6206420124

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 & 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			Investment Casting: Est. Wt: 0.20 kg Approx.	
Technology 2	HEAT TREATMENT			Normalizing,	
Technology 3	SURFACE CLEANING			Shot blasting	
Technology 4	*MACHINING	Conventional Milling/ CNC VMC/HMC Bed cap. 300x300mm Min.			
Technology 5	SURFACE COATING	Spray/Brush Painting facility for Primer, Dark Grey Enamel, requirements as per 520 TY 5			
Test/ Inspection 1	MEASURING INSTRUMENTS/ GAUGES	Required measuring Instruments/Suitable Standard Gauges.			
Test/ Inspection 2	MEASURING GEOMETRICAL ACCURACY			3D/CMM Table working area 300 x 300 mm min.	

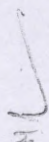
Test/ Inspection 3	TESTING MACHINE			Ultrasonic testing, Spectroscope/NABL Certified lab report for Chemical composition, Mechanical properties specified as per material Specification to be produced.
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Note: (1) Facilities must be available with vendors 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.

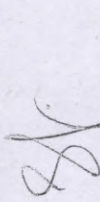
(2) *The firm may indicate the alternate machines/process by which the component can be manufactured as per technical specification/drawing.
** Firm should give undertaking that they will develop the all the testing facility if they get order.

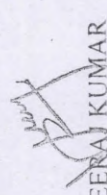
(3) Firm should be capable to arrange the raw material Investment Casting as per drawing/specification.

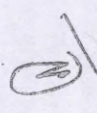
(4) Firm should be capable to arrange Suitable Furnace for carrying out Normalizing.

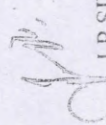

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