

**Annexure "F" to**

Ltr. No. सं/No.07292/रत-प्रांतिग/ Hull-Plg/2020, दिनांक/DATE : 08.12.2020

REF: TA Ltr.No. HVF/ SDOTE/6415/ 2020-21, dtd.20.10.2020.

Sl.No.	Nomenclature & Drawing No.	Manufacturing Technology & Testing /Inspection Facilities required to produce the item		Must be possessed by the vendor in his own premises (List of Plant & Machinery and Testing/ Inspection facility to be submitted	Must be possessed by the vendor in his own premises (or) may be out sourced.(Name and Address of sub-contractor, list of Plant & Machinery and Testing / Inspection facility to be submitted).
1	MIDDLE PLATE OF HULL BOTTOM 172.01.010-8 LF No.6201001059	Technology 1	RAW MATERIAL		Under taking by Vendor that vendor will procure Raw material from SAIL ( Who is the approved source of Raw material for HVF as of now) or any other source approved by HVF in future or Russia OEM with suitable documents proof required.
		Technology 2	HEAT TREATMENT	Gas Fired Chamber Furnace : 3000X5500 MM Loading temperature in the furnace : 860-950°C with following facilities. Rotating loading unit 7T Over Head Crane 10T Water bath.	
		Technology 3	PRESSING	Hydraulic Press - 10000T Hydraulic Quenching Press -1600T Hydraulic Press 2500T Straightening Hydraulic Press 400T	

SI.No.	Nomenclature & Drawing No.	Manufacturing Technology & Testing /Inspection Facilities required to produce the item	SURFACE TREATMENT	Must be possessed by the vendor in his own premises (List of Plant & Machinery and Testing/ Inspection facility to be submitted)	Must be possessed by the vendor in his own premises (or) may be out sourced. (Name and Address of sub-contractor, list of Plant & Machinery and Testing / Inspection facility to be submitted).
		Technology 4			Shot Blasting Machine
		Technology 5	GAS CUTTING		CNC Gas Cutting Machine
		Technology 6	MILLING		Vertical Milling Center
		Technology 7	TESTING	Surface Table for inspection, Measuring instruments, profile/receiver gauges. Portable / Universal Hardness testing equipments.	

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