

ANNEXURE- 1

**Technical Assessment of Vendor's Shop related to Manufacturing /
Fabrication, Assembly etc. of Engineering Items**

Job / Product :		
Name of the vendor:		Date:
Sr. No.	PARTICULARS	REMARKS / JUSTIFICATION
Engineering Facilities	1 Availability of standards/code <input type="checkbox"/> License copy of Standards <input type="checkbox"/> Soft/Hard copy of Code <input type="checkbox"/> Qualified Personnel for Utilization / Compliance	
	2 Design / Engineering capability <input type="checkbox"/> Availability of Relevant Software <input type="checkbox"/> Qualified Design Personnel <input type="checkbox"/> Confirmation of Design Engineering consultant's approval on design <input type="checkbox"/> Outsourced	
	3 Drawing / Drafting facility <input type="checkbox"/> Licensed drawing Software <input type="checkbox"/> Availability of Drawing / Drafting instruments <input type="checkbox"/> Qualified Personnel <input type="checkbox"/> Outsourced	
Use of IT System	4 System of order acceptance <input type="checkbox"/> Manual system <input type="checkbox"/> Computerized operation	
	5 System of drawing issue / withdrawl <input type="checkbox"/> Manual system <input type="checkbox"/> Computerized operation	
Storage Facilities	6 Storing and issue of material <input type="checkbox"/> Adequate Storage space <input type="checkbox"/> Proper loading/unloading of material <input type="checkbox"/> Storage of finished product / Intermediate as per specified process requirement in standardized condition <input type="checkbox"/> Easy retrieval of stored items <input type="checkbox"/> Tagging/ Barcoding for identification	
Raw Materials	7 Purchasing - Suppliers and Vendors <input type="checkbox"/> Supplier/Vendor Approval system <input type="checkbox"/> Clear Procurement Policies <input type="checkbox"/> Record of (Relevant) current Supplier list	
	8 Raw Material Quality <input type="checkbox"/> Quality check of raw materials upon receipt <input type="checkbox"/> Confirmation on Raw Material Quality/ Specifications as per Technology Consultant <input type="checkbox"/> Inspection (from Internal and External agency) <input type="checkbox"/> Rejection Criteria	

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Manufacturing / Fabrication facilities	9	Manufacturing System <input type="checkbox"/> Flexible Manufacturing system <input type="checkbox"/> Production Capacity as per demand	
	10	Welding procedure / Qualifications <input type="checkbox"/> Skilled/Trained Personneel <input type="checkbox"/> Use of ASTM standards <input type="checkbox"/> Welding Inspection	
	11	Heat Treatment facility <input type="checkbox"/> Sufficient time period provided <input type="checkbox"/> Generation of charts and graphs with Temperature variation <input type="checkbox"/> Data processing by Analysis of results	
	12	Machining facility <input type="checkbox"/> Required Machining Tools with continuous availability <input type="checkbox"/> Use of proper Jigs & Fixtures	
	13	Fitting & Assembly <input type="checkbox"/> Provision of dedicated assembly area <input type="checkbox"/> Automation in assembling system	
Inspection and Testing	14	NDT Facility <input type="checkbox"/> Qualified NDT personnel <input type="checkbox"/> Availability of different equipments for testing	
	15	Inspection Procedures and Facility <input type="checkbox"/> Independent Inspection Department <input type="checkbox"/> Availability of Testing equipment <input type="checkbox"/> Caliberation of equipments <input type="checkbox"/> Third Party Inspections	
Manufacturing Process	16	Procedure/ Instructions / job cards <input type="checkbox"/> Standard Operating Procedures for job <input type="checkbox"/> Compliance of Safety Precautions <input type="checkbox"/> Supervision of critical jobs <input type="checkbox"/> Adherence to procedure specified for job	
	17	Product identification, Tracibility at all stages <input type="checkbox"/> Tagging and barcoding of Product at various stages of production <input type="checkbox"/> Continuos Logging and recording of data	

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Manufacturing Process	18	Control of defects / NCRs <input type="checkbox"/> Quality control department <input type="checkbox"/> Quality Assurance <input type="checkbox"/> Feedback Mechanism for reporting of defect / Non-compliance	
	19	Layout / Material Handling System <input type="checkbox"/> Automated System <input type="checkbox"/> Adequate System capacity <input type="checkbox"/> Manual system e.g. Trolleys, Labour	
	20	Painting / Preservations <input type="checkbox"/> Application of appropriate preservatives <input type="checkbox"/> Application of required painting techniques e.g. Spray painting	
Delivery	21	Planning and Monitoring of delivery <input type="checkbox"/> Planning and Monitoring team <input type="checkbox"/> Coordination with execution team <input type="checkbox"/> Continuous monitoring of job	
	22	Timely delivery <input type="checkbox"/> Delivery as per schedule <input type="checkbox"/> Compliance of delivery requirements e.g. Transit insurance, documentation	
Support Services	23	After Sales Service <input type="checkbox"/> Support services and Response Plan <input type="checkbox"/> Availability of Service engineers <input type="checkbox"/> Quality of Backend Support (Past Experience with GACL) <input type="checkbox"/> Prompt Action (Average action time)	

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Sr. No.	PARTICULARS	REMARKS / JUSTIFICATION
Administration / Key information on other parameters	24 Technical Competency of Key Personnel <input type="checkbox"/> Relevant training and certification <input type="checkbox"/> Experience in Design / Execution <input type="checkbox"/> Participation / Membership in professional organization	
	25 Market Experience/Customer Base <input type="checkbox"/> Experience in relevant product / job <input type="checkbox"/> Records of present and past customers jobs <input type="checkbox"/> Quantitative Market Share	
	26 Research in Product Development <input type="checkbox"/> Innovations in Job Procedures <input type="checkbox"/> Specialized Fabrication methodology <input type="checkbox"/> Technological Support from other Organizations/ market leaders	
	27 Management / General Administration <input type="checkbox"/> Supportive environment <input type="checkbox"/> Transparent policies	

NOTE: 1. Remarks/Justification of all particulars should be given in adjacent column with necessary details which can indicate/confirm the availability of resources or justify the claimed technical capabilities.

2. Supporting certificates and documentation of relevant qualifications should be provided with acquired date and expiration date