

Technical Specifications Compliance Table

Sl. No.	Specification	Description	Vendor's Proposal
1	Scope	Curing of the lay-up made of composite materials	
2	Responsibility of Vendor	Curing of composite lay-up in curing chamber under vacuum bagged condition	
3	Responsibility of SAC	Providing uncured composite lay-up to vendor and collecting it back after curing	
4	Free Issue materials (FIM)	Uncured lay-ups of composite materials like CFRP laminates, sandwich panels, glass & aramid fibre laminates will be provided to vendor for curing. Maximum size of the lay-up may go up to 3.5mx3.5mx2.0m.	
5	Curing Chamber / Oven Size	4m x 4m x 3m (or bigger). Vendor has to provide the specifications & certification details of the curing chamber along with the bid.	
6	Curing Temperature	From room temperature to 180 Deg.C. (should be programmable)	
7	Curing Condition	In vacuum bagged condition as supplied by SAC. Four nos. of inlets will be available for connecting it with the vacuum hose.	
8	Vacuum Pressure	10 milibars (or lower) pressure level is to be achieved & maintained in the vacuum bag during full curing cycle. Vendor should have the vacuum setup connected with the curing chamber with minimum four nos. of inlet vacuum hoses.	
9	Curing Time	Curing time is 15 Hours for each supply order. Actual required curing profile will be mentioned in each supply order, which will be released under this rate contract. Total curing time of all supply orders in 24 months period will not exceed 300 hours.	
10	Heating & Cooling Rate	1 Deg.C. per minute, 2 Deg.C. per minute & 3 Deg.C. per minute. It should be programmable.	
11	Curing Cycle Control	Curing cycle should be programmable and log-able for both temperature & time	
12	Job Preparation	Fully prepared uncured job will be provided by SAC.	

		Vendor has to carry out the curing process as specified in each supply order under this rate contract.	
13	Weight Handling Capacity	up to 5 Ton in curing chamber and at loading/unloading places.	
14	Documentation	Vendor has to log all the process data e.g. temperature, vacuum level, time, heating & cooling rates, validity of chamber certification etc. for the full curing process.	
15	Deliverables	<ul style="list-style-type: none"> • Cured component • Process Log 	
16	Job Completion Schedule	Job should be cured and delivered within one month after collecting the FIM from SAC.	
17	Transportation	By Vendor. For each supply order under this rate contract, vendor has to collect the FIM (uncured layup) from SAC and has to deliver it back to SAC after curing.	

Note: Vendor has to fill the each point of this compliance table. Instead of mentioning 'YES' or 'NO', write values and numbers, wherever applicable. Silence to any point of the table will be considered as non-compliance.