

Laser Chiller with Accessories

Table 3: Technical specifications of Laser Chiller

No.	Parameter	Specification	Remarks to Party
1	Application	Adequate external laser chiller (for thermal management) should be supplied for the laser system.	Provide details including make and model. Chiller should be stand alone.
2	Requirement	Chiller should be adequate for thermal management of the offered laser for continuous operation (i.e., > 10 hours uninterrupted operation per day).	Provide conformity with the requirement.
3	Water flow and pressure for cooling	Specification suitable for the offered high-power laser system	Provide value
4	Cooling capacity	Minimum 5 TR	Provide value
5	Storage tank capacity	Minimum 50 L	Provide value (direct tap water connection will not be provided, hence storage tank is required)
6	Set temperature window	Specification suitable for the offered high-power laser system	Provide values
7	Accessories	All essential accessories required for the standalone chiller should be provided	Provide details
8	Power requirement	Suitable to Indian power conditions	Provide values
9	Spares and Consumables	All essential spares and consumables for the continuous operation of the laser chiller (for >10 hours per day) should be provided (Total operation: 2500 hours/year)	Provide the list and quantity of spares and consumables
10	Suitability for thermal management of offered laser system	External laser chiller should be adequate for the thermal management of the offered laser system. <u>Note:</u> The laser OEM has to certify that the chiller specifications offered in the bid are adequate to meet the thermal management requirements of the offered laser.	<i>Provide the heat dissipation value (in kW) of the offered laser.</i>