

**Technical Specifications of Cooling Tower with Pump and Fan – 1 unit****1.0 Bidder Eligibility Criteria-I**

Sl. No	Bidder Eligibility Criteria-I	Complied / Not Complied	Reference Page No.	Remarks, If any
1	The bidder/OEM should have supplied a similar items to IITs, NITs, IISERs, CSIR Labs or other Govt. R&D organizations in the last 5 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation			

**2.0 Technical Specifications II**

Sl. NO	Feature	Required features	Complied / Not Complied	Ref, Page. No.
1.	Working fluid	Water		
2.	Type	Induced Draft-Counter flow		
3.	Design relative Humidity	80%		
4.	Allowable Evaporative loss	1.44%		
5.	Effectiveness of Cooling Tower	80%		
6.	Flow rate of air	75 LPM		
7.	Motor Power of fan	0.5 HP		
8.	Fills	PVC Packed		
9.	Cooling water Pump / Make	Centrifugal Monobloc Pump Make : Kirloskar or Grundfos or equivalent		
10.	Rated flow of water	9 m <sup>3</sup> /h		
11.	Rated head	26 m		
12.	Rated Power	1.5 kW		
13.	Power supply	AC 400 V (3 phase) 50 Hz		
14.	Warranty: Minimum one year warranty period from the date of installation..			

(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the Above points with document proof as required. Failing which bidders will be technically disqualified)