

Technical Specifications of Local Online Weather station – 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 item 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	SPECIFICATIONS	Complied / Not Complied	Reference, Page. No.
	Description	Remarks	
	Parameters to be measured	Wind speed with direction, solar radiation, Relative humidity, ambient temperature	
	Type of each sensors		
	Wind speed	Wind cup, propeller, ultrasonic or equivalent	
	Solar radiation	Thermopile-based, Silicon based or equivalent	
	Ambient temperature	PT 100, RTD or equivalent	
	Relative Humidity	Capacitive, resistive or equivalent	
	Range for each parameters		
	Wind speed	0.5 to 200 km/h	
	Solar radiation (Total radiation)	0 to 1500 W/m ²	
	Ambient temperature	0 to 100°C	
	Relative Humidity	0 to 100 %	
	Accuracy for each parameters		
	Wind speed	<= ± 5%	
	Wind speed direction	<= ± 3°	
	Solar radiation	<= ± 5%	
	Ambient temperature / temperature	<= ±0.3°C	
1.	Humidity	<= ±1%	
	Software integration with system	Online integration software with accessories. Software scanning interval : 10 sec	
2.	Mounting	Suitable mounting system with accessories.	
3.	Cable length	50 m	
Terms and Conditions			
1.	Warranty 1 Year		

(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)