1. IoT enabled Weather station

IoT enabled Weather station The system should be built around a sustainable and well accepted indugrade Processor-cum-Gateway (Rasbery Pi or ARM based microcontrol Vendor should provide a secure portal and a Mobile App or Mobile GU monitor the data provided by the end points. Weather station able to measure following parameters Barometric Pressure Outside Temperature -40°C to 60°C with ±1°C accurated to 10 – 99% range and 1% resolution Outside Humidity Altitude Inside room Temperature (up to 8 – 40°C to 60°C with ±1°C accurated to 10 – 99% range and 1% resolution	ller).
Vendor should provide a secure portal and a Mobile App or Mobile GU monitor the data provided by the end points. Weather station able to measure following parameters Barometric Pressure Outside Temperature Outside Humidity Altitude Processor-cum-Gateway (Rasbery Pi or ARM based microcontro	ller).
Vendor should provide a secure portal and a Mobile App or Mobile GU monitor the data provided by the end points. Weather station able to measure following parameters Barometric Pressure Outside Temperature -40°C to 60°C with ±1°C accurately 0.1°C resolution Outside Humidity Altitude 10 – 99% range and 1% resolution	
Weather station able to measure following parameters 1 Barometric Pressure 2 Outside Temperature 3 Outside Humidity 4 Altitude Weather station able to measure following parameters -40°C to 60°C with ±1°C accurately 0.1°C resolution 10 – 99% range and 1% resolution	
Weather station able to measure following parameters 1 Barometric Pressure 2 Outside Temperature 3 Outside Humidity 4 Altitude Weather station able to measure following parameters -40°C to 60°C with ±1°C accurately 0.1°C resolution 10 – 99% range and 1% resolution	TT
Weather station able to measure following parameters 1 Barometric Pressure 2 Outside Temperature 3 Outside Humidity 4 Altitude Weather station able to measure following parameters -40°C to 60°C with ±1°C accurately 0.1°C resolution 10 – 99% range and 1% resolution	II to
Dutside Temperature Outside Temperature Outside Humidity Altitude -40°C to 60°C with ±1°C accurately 0.1°C resolution 10 – 99% range and 1% resolution	
Dutside Temperature Outside Temperature Outside Humidity Altitude -40°C to 60°C with ±1°C accurately 0.1°C resolution 10 – 99% range and 1% resolution	
2 Outside Temperature 3 Outside Humidity 4 Altitude -40°C to 60°C with ±1°C accurate 0.1°C resolution 10 – 99% range and 1% resolution	
3 Outside Humidity 10 – 99% range and 1% resolution 4 Altitude	
3 Outside Humidity 10 – 99% range and 1% resoluti 4 Altitude	acy and
4 Altitude	
	on
Inside room Temperature (up to 8 locations!) -40°C to 60°C with ±1°C accurate 0.1°C resolution	cy and
6.1 Clesoration	
6 Inside Humidity (up to 8 locations) 10 – 99% range and 1% resolution 7 Sunlight 0 to 200 k Lux	on
0 1177 1 1 0 to 200 K Eux	
9 Wind Speed $ 1 - 15 + \text{ with } \pm 1 \text{ accuracy} $ $ 0 - 50 \text{ m/s} \text{ with } 3 \text{ m/s accuracy} $	-
9 Wind Speed 0 - 50 m/s with 3 m/s accuracy of 0.1 m/s resolution	and
Wind Gusts 0.1 m/s resolution	
Wind Direction	
12 CO and Co2 gases	
13 Rain	
Wireless frequency for data transmission 433 MHz 100 m line of sight	
Or WiFi / LoRa enabled	
Temperature and Humidity data update interval up to 60 seconds	
Other sellsor's data update interval up to 20 seconds	1
Working Manual of the system will be provided by the	
The system should be scalable, so that more sensors (Air quality I. 1.	1-1
Power Index) can be added at a later stage if required.	olar

