

Additional Queries raised by the agency/agencies and clarifications with regard to RFB for **Procurement of Automatic Weather Monitoring Stations (AWS) under CLLMP, MBMA** are as follows:

Additional Queries:			
Sl. No.	RFB Clause	Queries	MBMA Response
1	General	In the RFB, Joint venture (JV) is not allowed. Request to kindly amend and allow JV. JV companies jointly meet qualifying requirement as specified in Qualification Criteria.	No Change
2	Technical Requirements	As confirmed by MBMA, Data logger is not required i.e. the data shall be captured and transferred through GSM/GPRS. As per our understanding, Data logger shall be required for integration of sensors after that data can be transferred through GSM/GPRS. Please include data loggers for integration of sensors.	<ol style="list-style-type: none"> 1. Data logger should be in built in the AWS system for integration of data but not to be downloaded manually from the AWS. 2. Automated Data Logger is required as this helps in collection of data from all the sensors and transfer data to server.(Manual data logger not required)

3	Technical Requirements	As per Standard 10m height pole / tower required for mounting of sensors. Please confirm / suggest for mounting of sensors.	<p>1. Not required but optimum height to avoid solar radiance reflection to the Temperature sensors.</p> <p>2. Please follow the standard height that is given by IMD/ Ministry of Agriculture, Govt. Of India.</p> <ul style="list-style-type: none"> a. For Air Temperature height of mounting sensors is 1.25 to 2m from above ground level (AGL) b. For rainfall height of mounting sensor is 30cm AGL c. For Solar Radiance height is 3m AGL d. Data logger height is 1.5m AGL e. Wind speed height is 10m AGL f. Sensors should be capable of handling harsh and rough conditions and weather.
4	Technical Requirements	There is no specification for power supply for operation of weather stations. As clarified in pre-bid meeting, the system shall be operated through Solar Power. You are requested to kindly confirm how much days backup is required when solar radiation is not available (i.e. rainy, cloudy and night time). In case system is directly operated through solar, the system shall not work during night/cloudy/rainy time.	<ul style="list-style-type: none"> 1 Through Solar Powered Battery 2. 15 days battery backup with PCB protection from over charging of the battery. 20 watt solar panel of 12V capacity and 84 mAH battery capacity should be enough for 15 days. 3. Enclosure should be weather proof. 4. Fencing of the AWS

5	Technical Requirements	Server and INSAT ground station is required for receiving of data from INSAT transmitter. Please confirm availability / Scope of supply (i.e. Bidder or MBMA)	INSAT ground station of NESAC is available. No supply is required. Server not required MBMA is developing in house
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