



26.02.2021

Department of Civil Engineering

Corrigendum-2

Tender Reference no: CE/2021/IOE/COE/044/AWSRADIO

Name of the Item: Research Grade Automatic Weather Station (AWS) and Infrared Canopy Temperature Radiometer

Corrigendum details: Changes in Technical specification.

Changes in Technical specification:

Amendment Ref: CE/2021/IOE/COE/044/AWSRADIO	
Research Grade Automatic Weather Station (AWS) & Infrared Canopy Temperature Radiometer	
Sl. No	Amendment No. 2 (Date: Feb. 25, 2021)
	The following additional information is provided regarding the number of units that are needed and installation location:
1.	Total number of units needed – 2 Nos
2.	The units will be installed in agricultural field sites at <u>Tirunelveli District</u> of Tamil Nadu and <u>NOT</u> at IIT Madras campus

Amendments to Technical specification of multi profile Soil moisture and temperature sensor were slightly modified		
	Original Specifications	Modified Specifications
Air temperature	Measurement Range -40°C to +70°C Accuracy ±0.2°C (over the range -40 to +70°C)	Measurement Range -40°C to +60°C Accuracy ±0.5°C or better
Relative Humidity	Measurement Range 0 to 100% RH Accuracy ±2% (at 25°C, over the range 80 to 100% RH)	Measurement Range 0 to 100% RH Accuracy ±2% or better
Multi Profile SOIL MOISTURE & TEMPERATURE SENSOR	Measurements Made: Volumetric water content (VWC), electrical conductivity (EC), and temperature	Measurements Made: Volumetric water content (VWC), electrical conductivity (EC), and temperature
	Operating Temperature Range: -40° to +60°C	Operating Temperature Range: -40° to +60°C
	Measurement Depths: 5, 10, 20, 30, 40, 50, 60, 75, and 100 cm	Measurement at minimum 3 different depths
	Electrical Conductivity Range 0 to 10 dS/m Accuracy ±2% (0 to 2.5 dS/m) ±5% (full range)	Electrical Conductivity Range 0 to 10 dS/m Accuracy ±2% (0 to 2.5 dS/m) ±5% (full range)
	Volumetric Water Content Range 0 to 100% Water Content Accuracy ±1.5%	Volumetric Water Content Range 0 to 100% Water Content Accuracy ±1.5%
	Soil Temperature Accuracy ± 0.15°C (between -30° and +40°C)	Soil Temperature Accuracy ± 0.15°C (between -30° and +40°C)
	(Necessary conductors, mounting brackets and Cables of Length: Minimum 10m or more)	(Necessary conductors, mounting brackets and Cables of Length: Minimum 10m or more)

Tender Inviting Authority:

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