Civil Engineering Department

MNIT, Jaipur

CORRIGENDUM

Tender No. F5(658)ST/MNIT/CIVIL/2019 **Name of Lab : Water Resources Engineering Lab**

A pre-bid meeting is held at the scheduled date and time i.e., 30-8-2019 (2:00 PM onwards) to address the queries of the tenders. After discussion department has finalised below mentioned modifications in the technical specifications of the equipment's of above-mentioned tender. Below mentioned revisions may please be considered.

Item No.	ITEM	Original Specification	Revised Specifications
2	Hydrological Experiment Apparatus with permeable medium	• Permeable catchment area fed with 'rain' from overhead spray nozzles and/or by groundwater flow from ends of tank • Spray nozzles to supply half or all of catchment area • Piezometer tappings to measure water table profile	• Permeable catchment area (SS tank with 180 mm minimum permeable medium depth) fed with 'rain' from overhead spray nozzles (8 or more) and/or by groundwater flow from ends of tank • Spray nozzles (8 or more) to supply half or all of catchment area • Piezometer tappings(minimum 20 in no with a manometer scale of 200 mm or more) to measure water table profile
3	Supply & Installation of Soil Moisture Sensors with Data Logger/Monitor and Telemetry Facility	d) Remote Data Access Unit (01 no) with all the necessary accessories to collect data at server/computer at central facility (IIR Dehradun) compatible with data monitor/Data Logger preferably cellular gateway which uses GPRS data network having facility of Secure connection accessible from an web enabled computer with outdoor enclosure/ outdoor installation case.	d) Remote Data Access Unit (01 no) with all the necessary accessories to collect data at server/computer at central facility (MNIT Jaipur) compatible with data monitor/Data Logger preferably cellular gateway which uses GPRS data network having facility of Secure connection accessible from an web enabled computer with outdoor enclosure/ outdoor installation case.

Item No.	ITEM	Original Specification	Revised Specifications
5	Supply and on field Installation of Meteorological Sensors setup with Data logger for ET measurement	1) Data Logger-CR1000 2) Four component Radiometer (CNR 4 net radiometer) 3) HC2S3 - Air temperature and Relative humidity sensor 4) Barometric Pressure Sensor 5) Wind Speed and Direction Sensor 6) HFP01SC soil heat flux plates 7) Solar Panel primary Battery and backup battery setup. 8) 5 meter tower/Tripod/Mast with mounting accessories at two heights with Datalogger + Batteries casing and connections All the sensors must be compatible with CR1000 Datalogger **Data Logger-CR1000:** **HC2S3 - Air temperature and Relative humidity sensor:** HC2S3-L Specifications • **Air Temperature Sensor**: PT100 RTD, IEC 751 1/3 Class B **Hukse Flux - HFP01SC soil heat flux plates:** **CNR4 4 component net radiometer (Kipp&Zonen):**	1) Data Logger-CR1000 or equivalent 2) Four component Radiometer (CNR 4 net radiometer or equivalent) 3) Air temperature and Relative humidity sensor (HC2S3 or equivalent) 4) Barometric Pressure Sensor 5) Wind Speed and Direction Sensor 6) Soil heat flux plates (HFP01SC or equivalent) 7) Solar Panel primary Battery and backup battery setup. 8) 5-meter tower/Tripod/Mast with mounting accessories at two heights with Datalogger + Batteries casing and connections All the sensors must be compatible with the datalogger **Data Logger-CR1000 or equivalent:** **Air temperature and Relative humidity sensor (HC2S3 or with equivalent specifications):** Specifications (HC2S3-L or equivalent) • **Air Temperature Sensor**: (PT100 RTD, IEC 751 1/3 or equivalent) Class B **Hukse Flux - soil heat flux plates (HFP01SC or equivalent specification):** **CNR4 4 component net radiometer (Kipp&Zonen or with equivalent specifications):**
6	Automatic Weather Station along with data acquisition system	• DT80 has18 bit resolution with built in display	• Data acquisition system should have 18 bit resolution with built in display

Note: Other specifications and conditions shall remain same as in the original tender

Deputy Registrar
(Store & Purchase)