



**Government of Jammu & Kashmir**  
**J&K Economic Reconstruction Agency (ERA)**  
**Project Management Unit**  
**Jhelum & Tawi Flood Recovery Project (JTFRP)**  
**2<sup>nd</sup> Floor, ERA Commercial Complex, Rambagh, Srinagar.**  
**Phone: 0194 – 2437320, email: dirpmujk@gmail.com**



No. JTFRP/PMU/2020/Camp/821

Date:07-02-2020

**CORRIGENDUM – 3**

**Subject:** - Design, supply, installation, testing, commissioning with annual maintenance for 04 years of SCADA system for 80 storm water dewatering stations in and around Srinagar city.

**Reference:** - This Office Invitation for Bid No. Revised/SCADA dated 03-12-2019.

The following amendments are made in the bid document for the above referred tender package:-

S. No	Clause No.	Provision as per Bid Document	Revised Clause
01.	Section – VI, 17. HMI Specifications	<b>PLC make:</b> Schneider / Siemens / ROCKWELL / EMERSON/ ABB / Yaskawa / GE	<b>PLC make:</b> Schneider / Siemens / ROCKWELL / EMERSON/ ABB / Yaskawa / GE /or <b>equivalent.</b>
02.	Section – VI, Compliance Table, List of Confirmations.	The bidders have given an undertaking from the original manufacturer that they comply with the technical specifications and all the terms of the tender. The bidder should be an original equipment manufacturer of SCADA & PLC System hardware and software or should be an authorized & certified partner of the OEM of PLC & SCADA system.	The bidders have given an undertaking from the original manufacturer that they comply with the technical specifications and all the terms of the tender. The bidder should be an original equipment manufacturer of SCADA & PLC System hardware and software or should be an authorized & certified partner of the OEM of PLC & SCADA system <b>or authorized by OEM.</b>
03.	Minimum Qualification of Project Manager	B.E (Mechanical/ IT/ Computer/ Instrumentation)	B.E (Mechanical/ IT/ Computer/ Instrumentation/ <b>Electronics and Communication/ Industrial Electronics/ Power Electronics</b> )
	ITB 14.4 (b)	Locally supplied Goods: Unit prices of Goods offered from within the Purchaser's Country, shall be quoted on an EXW (ex-factory, ex works, ex warehouse or off-the-shelf, as applicable) basis, including all customs duties, levies, fees, sales and other taxes incurred until delivery of the Goods, but excluding all VAT or sales and other taxes and duties/fees incurred for the Goods at the time of invoicing or sales transaction, if the Contract is awarded.	Locally supplied Goods: Unit prices of Goods offered from within the Purchaser's Country, shall be quoted on an EXW (ex-factory, ex works, ex warehouse or off-the-shelf, as applicable) basis, including all customs duties, levies, fees, sales and other taxes incurred until delivery of the Goods, but excluding <b>GST</b> and duties/fees incurred for the Goods at the time of invoicing or sales transaction, if the Contract is awarded.

Further, minimum technical specifications are added for the following equipments:-

### **1. VSAT**

Operating Temperature	From – 20 to + 60° C
Antenna cable	LMR400 grade or better
Performance	Data Reception availability of 99% or better
<b>Specific Features</b>	
Communication Direction	VSAT Radio system to allow two-way communication system between data centre and remote station
Single Hop or double hop	Provision to use either single hop (leased lines between user and service provider hub) or double hop (via VSAT) for receiving data at user end
Frequency Band	C band or extended C band (Ku or Ka band would be acceptable)
Band width Sharing	VSAT band width will be able to be shared among all stations using TDMA mode
Accessories	All associated equipment, including antenna all cables and mounting hardware

### **2. CCTV**

The minimum requirements for CCTV shall be;

- i. High definition, IP type.
- ii. internal storage
- iii. Low light sensitivity with night vision.
- iv. 2 way Audio communication.

### **3. Actuators for valves.**

All actuators shall conform to the requirements of AWWA Standard C540-93. The motor shall be specifically designed for actuator service. The motor will be of the induction type with class F insulation and protected by means of thermal switches imbedded in the motor windings.

Motor enclosure will be totally enclosed, non-ventilated. Motors will be capable of operating on  $415 \pm 10\%$  Volt – 3 phase - 50 hertz power supply.

Actuator enclosure shall be NEMA 4 (watertight). All external fasteners on the electric actuator will be stainless steel

All gearing shall be grease lubricated and designed to withstand the full stall torque of the motor. Manual over-ride shall be by hand wheel. Return from manual to electric mode of operation will be automatic upon motor operation. A seized or inoperable motor shall not prevent manual operation.

Actuators will be capable of operating in an ambient temperature range of – 20 to + 60 degrees C.

### **Extension of Last Date for Bid Submission:**

The Last Date for submission of bids is extended up to **20<sup>th</sup> February 2020; 1500 hours** and the bids shall be opened **on 20<sup>th</sup> February 2020 at 1530 hours**

**Director Technical,  
JTFRP.**