

Response to bidders queries against IFB Package REVISED/SCADA for 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 .

S.No.	Description as per Bid document	Bidders Query	Response
01.	<p>B. If Bidder is not manufacturer: (a) Experience and Technical Capacity</p> <p>The manufacturer furnishes a legally enforceable authorization in the prescribed Form assuring full guarantee and warranty obligations as per GCC and SCC for the goods offered; and The bidder, as authorized by the manufacturers, has executed similar work (SCADA System) satisfactorily and provided after sales service to the extent of at least for a value of INR 20.00 Crores AS A SINGLE ORDER indicated against each schedule specified in the Schedule of Requirements in ANY ONE OF THE LAST Five(5) YEARS, which must be in satisfactory operation AT LEAST FOR TWO YEARS on the date of bid opening.</p>	<p>The bidders requests for amendment as under:-</p> <p>B. If Bidder is not manufacturer: (a) Experience and Technical Capacity</p> <p>The manufacturer furnishes a legally enforceable authorization in the prescribed Form assuring full guarantee and warranty obligations as per GCC and SCC for the goods offered; and The bidder, as authorized by the manufacturers, has executed similar work (SCADA System) satisfactorily and provided after sales service to the extent of at least for a value of INR 20.00 Crores AS A SINGLE ORDER in ANY ONE OF THE LAST Five(5) YEARS, which must be in satisfactory operation AT LEAST FOR TWO YEARS on the date of bid opening.</p>	No Change
02.	<p>B. If Bidder is not manufacturer: (b) Financial Capability</p> <p>The bidder should have average annual sales turnover of INR 33.00 Crores in last five financial years (as certified by Chartered Accountant).</p>	<p>The bidders requests for amendment as under:-</p> <p>B. If Bidder is not manufacturer: (b) Financial Capability</p> <p>The bidder should have annual sales turnover of equivalent to quoted cost of works but not less than Rs 20.00 crores in any of the last five financial years (as certified by Chartered Accountant).</p>	No Change
03.	<p>Weightage for Technical Proposal shall be 30% and for Price Proposal shall be 70% for determination of Evaluated Bid Score.</p>	<p>Weightage for Technical Proposal shall be 70% and for Price Proposal shall be 30% for determination of Evaluated Bid Score.</p>	No change
04.	<p>Even though the bidders meet the qualifying criteria as mentioned in the BDS, they are subject to be disqualified if they have made misleading or false representations in the forms,</p>	<p>Even though the bidders meet the qualifying criteria as mentioned in the BDS, they are subject to be disqualified if they have made misleading or false representations in the forms,</p>	No change

	<p>statements and attachments submitted in proof of the qualification requirements; and/or record of poor performance such as, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.</p> <p>Notes: 1) The post qualification requirements mentioned in the BDS are to be met by the bidder (in case of manufacturer bidders) and the bidder and the manufacturer respectively (in case of non manufacturer bidders) and qualification of group/sister/parent companies will not be considered for meeting the above requirement.</p>	<p>statements and attachments submitted in proof of the qualification requirements; and/or record of poor performance such as, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.</p> <p>Notes: 1) The post qualification requirements mentioned in the BDS are to be met by the bidder (in case of manufacturer bidders) and the bidder and (in case of non manufacturer bidders) and qualification of group/sister/parent companies will not be considered for meeting the above requirement.</p>	
05.	No margin of domestic preference will apply.	Domestic preference will apply.	No Change
06.	<p>Following shall be the minimum design features of the PLC for pumping plant:</p> <p>16-bit or higher dual core processor based CPU</p> <ul style="list-style-type: none"> – Data and programming memory of 8 MB and 64 MB respectively. – 128 MB flash memory for user program back up. – Having option of data storage=32 GB – 3 nos. of communication ports with communication requirement as specified above. – Real Time Clock. – Timers and counters sufficient as requirement. – While the design of the offered PLC Hardware shall be as per the site design on case-to-case basis, the offered PLC shall have full expandability. – Surge withstand 1 kV for transistor output in common mode conforming to EN/IEC. 	<p>Following shall be the minimum design features of the PLC for pumping plant:</p> <p>16-bit dual core processor based CPU</p> <ul style="list-style-type: none"> – Data and programming memory of 4 MB, Integrated RAM – 128 MB flash memory for user program back up. – Having option of data storage=4 GB – 3 nos. of communication ports with communication requirement as specified above. – Real Time Clock. – Timers and counters sufficient as requirement. – While the design of the offered PLC Hardware shall be as per the site design on case-to-case basis, the offered PLC shall have full expandability. – Surge withstand 1 kV for transistor output in common mode conforming to EN/IEC. 	No Change

	– Surge Protection Device for PLC Panels to be provided at each location.	– Surge Protection Device for PLC Panels to be provided at each location.	
07.	PLC Make Schneider/ Siemens/ ROCKWELL/ EMERSON/ ABB/ Yaskawa/ GE	PLC Make Schneider/ Siemens/ ROCKWELL/ EMERSON/ ABB/ Yaskawa/ GE /Phoenix Contact.	PLC make: Schneider / Siemens / ROCKWELL / EMERSON/ ABB / Yaskawa / GE /or equivalent. (Refer Corrigendum – 3.)
08.	PLC - Programming Memory & Data Memory: 64 MB for System Memory RAM and 8 MB program, 32 GB SD card optional. Analog to digital converter : 12/16 bit Resolution	PLC - Programming Memory & Data Memory 4 MB for System Memory RAM and 8 MB program, 4 GB SD card optional. Analog to digital converter : 10/12 bit Resolution.	No Change
09.	List of Confirmations/ Tender Compliance to be filled in by the bidder in his proposal in case of JV. This is to be confirmed and stamped by the O.E.M. of SCADA system.	Please clarify whether also applicable for single non-manufacturer bidder	Yes
10.	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 respective technical specifications 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 or authorized by OEM.	Accepted. (Refer Corrigendum – 3.)
11.	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 Bid Security (Rs.) - INR 50.00 Lacs	The justification for Bid Security of Rs 50.00 lacs may be provided or a token bid security may be taken say INR 10-15 Lacs or else Bid Security may be waived off as in NHP tenders. INR 50.00 lacs Bid Security is very high amount for NSIC Registered SSI units as per Govt. of India GO dated 29.07.2003 attached & ultimately restricts such bid participation.	No Change. The Govt. Order does not apply to World bank funded projects.

12.	Manufacturer's authorizations are required for Technologies - except for those technologies which the Bidder itself manufactures - for all the types/categories.	Please confirm that Manufacturer's authorization are required only for SCADA & PLC system, Ultrasonic Level Measuring System, Pressure transmitter, Energy meter & Actuators and not for Cables, surveillance system, modems, VSAT etc. since not part of primary measurement & control system.	No Change
13.	Specifications of PLC at Pumping station & HMI: The high performance modular Non Redundant PLC must be designed to log all the pumping station parameters with time stamping in its NON-VOLATILE memory at the defined logging interval.	Please clarify Non Redundant PLC.	The intending bidder should be aware about Non redundant PLC. No further explanation is required.
14.	HMI Specifications PLC MAKE- Schneider/ Siemens/ ROCKWELL/ EMERSON/ ABB/ Yaskawa/ GE	Request to Kindly Consider XYLEM Water solution India Pvt. Ltd PLC MAKE	PLC make: Schneider / Siemens / ROCKWELL / EMERSON/ ABB / Yaskawa / GE /or equivalent. (Refer Corrigendum – 3.)
15.	Ultrasonic Level Measuring System Ultrasonic Level Measuring Transmitter Make	Request to Kindly Consider XYLEM Water solution India Pvt. Ltd Ultrasonic Level Measuring Transmitter Make	No Change.
16.		Page 7, Pt 6, It seems it is offline tender instead of online tender. Please clarify.	Yes, the bids are required to be submitted in hard copies. Online tenders shall not be accepted.
17.	All bids must be accompanied by a "Bid Security" of INR 50.00 Lac	Bid security amount is Rs. 50 Lac but nowhere it is written that it will be exempted for MSME/NSIC Indian company as per Government rule.	No exemption for bid security. These guidelines are not applicable to World Bank funded projects.
18.	Manufacturers Authorization	Whether Manufacturer authorization is required on letter head or stamp paper?	Manufacturer's Authorization is required as per format given in 3.1 bidding forms This authorization should be written on the letterhead of the Manufacturer and be signed & stamped by a person with the proper authority to sign documents that are binding on the Manufacturer. This letter should be submitted in original as part of the bid.

19.	-	For evaluation of BID by dealer, experience certificate from manufacturer should also be considered.	Refer ITB 6.1 (a)
24.	Qualification of the bidder	P46, Pt 6.1, please explain the same in details in terms of qty. ideally it should be related with amount as financial experience and remote controlling/ monitoring as physical experience.	No change
25.	-	Experience in last 5 year should be increased to 10 years.	No change
26.	-	Also 2 years working of system should be deleted for maximum participation.	No change
27.	-	P48, Pt XII, for verification of 5 working site, should we need to submit customer contact details?	Yes
28.	Terms of Payment	Payment condition against supply need to improve for fast execution of job. Instead of 40% on receipt please make it 70% on receipt. Instead of 30% against commissioning please made it 10% on commissioning and 5% each against 2-month trial run and after warranty period. Installation payment should be 90% on installation and balance 10% after 1 st year.	No Change
29.	-	Comprehensive warranty payment:- It should be on pro data basis on monthly basis.	No change
30.	-	Nowhere in tender is it written that every individual station should be handover to department for early finish of the projects. Ideally each station should be completed in all respect and department should take handover.	Refer Implementation Schedule.
31.	-	Late penalty should be 5% instead of 10%.	There is no penalty clause in the bid document. However, Liquidated Damages clause as stipulated in the bid document shall prevail.

32.	-	Storage facility should be at department warehouse for safety.	The contractor has to make own arrangements for storage facility of equipments till the same are installed and taken over by the purchaser.
33.	-	In technical section, Pg no's 157, request you to explain point no's 11 and 12.	The requirements are self-explanatory. No further explanation is required. Further detailing shall be done during project implementation.
34.	-	MCC and BCC room should be at 2 different location means should be apart by at least 200 Kms. As per tender both are at Srinagar.	Both MCC and BCC are required in Kashmir Region of J&K.
35.	-	Pg 164, multiple communications has been selected like VSat, OFC, GSM, GPRS, PSTN, etc. Ideally it should be kept open with bidder with multiple communications. Now-a-days availability of PSTN modem is very rare. Also Vsat may require multiple permission which ideally should be taken by department and we should tell that system should be compatible with Vsat.	No change Multiple communication modes are recommended in minimum specifications, instead of giving choice of communication to bidder, for meeting the SLA. However the bidders are not restricted to propose higher configuration or better redundancy in communication in favour of the project objectives
36.	-	It is written that panel should have double door. Whether this means door on door or two door in front?	The panel should be double door (door on door) with IP 42 protection.
37.	-	Pg no's 194, manpower requirement. For Project Manager category electronic engineer must be included. Even power/ industrial electronics should be accepted.	Accepted. (Refer Corrigendum – 3.)
38.	-	Request you to please upload price schedule in excel.	Provided at project website www.jtfrp.in
39.	Bids submitted by a Joint Venture of two or more firms as partners shall also comply with the following requirements:	Please confirm maximum nos. of members to be associated in joint venture for this tender. Also please confirm that the credentials of all the JV members shall be considered jointly for the purpose of qualification (physical and financial)	Maximum number of members in the JV shall be: One Lead member plus two other members. Credentials of all JV members shall be considered jointly for the purpose of qualification.

40.	(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.	We understand this was a typo error and it should be GST instead of VAT, please clarify.	Yes, it should be GST instead of VAT. (Refer Corrigendum – 3.)
41.	The Bid-Securing Declaration or the Bid Security of a Joint Venture shall be issued in the name of the Joint Venture submitting the bid provided the Joint Venture has legally been constituted, or else it shall be issued in the name of all partners proposed for the Joint Venture in the bid. Sanctions due to a breach of the terms of a Bid-Securing Declaration pursuant to ITB Clause 17.6 will apply to all partners to the Joint Venture.	We request you to please allow to submit Bid-Securing Declaration or the Bid Security by lead / any bidder in case of consortium/JV. Please note that the JV is formed at award of contract. It is not possible to have a JV at the point of bid submission.	No Change Provision of clause is very clear about who should submit bid security. In case of intend to form a JV it shall be in the name of all partners proposed for the JV
42.	Bidders eligibility	Please note the said clause is restrictive, unclear and confusing, we suggest the same be amended as below “A. If the Bidder is a manufacturer: (a) Financial Capability The bidders, who are also the manufacturers (of SCADA, PLC, VSAT, Instrumentation), should have average annual sales turnover of INR 22.00 Crores in last five financial years (as certified by Chartered Accountant). (b) Experience and Technical Capacity (i) The bidder must have manufactured, supplied, installed and commissioned satisfactorily similar equipment (SCADA System) of the type specified in each schedule of the Schedule of Requirements to the extent of at least 80 % of the	No Change

quantity (for the main requirements viz. a. PLC based Control System with HMI b. Level Sensors c. Pressure Sensors d. VSAT Equipment e. Energy Monitors f. UPS g. Central SCADA Software) (for a value of AT LEAST INR 20.00 Crores AS A SINGLE ORDER) Indicated against each schedule under Schedule of Requirements in ANY ONE OF THE LAST Ten (10) YEARS and should be in use satisfactorily with no adverse report for AT LEAST TWO YEARS preceding the date of bid opening.

- (ii) The bidder should furnish the information on past supplies and satisfactory performance in the Proforma given in the bid document.
- (iii) Bidders shall invariably furnish documentary evidence (End User's certificate) in support of the satisfactory operation of the goods as specified above.
- (iv) The bidder shall furnish data to support that he has the financial and production capacity to perform the contract and complete the supplies within the stipulated delivery period.
- (v) Further, bidder should be in continuous business of manufacturing / supplying and after sale services of products
- (vi) similar to that specified in the 'Schedule of requirement' during the last 5 years prior to bid opening
- (vii) The documentary evidence of the Bidder's eligibility to bid shall establish to the Purchaser's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under the bid.

- (viii) The legal status, place of registration and principal place of business of the company or firm or partnership, etc.;
- (ix) Details of experience and past performance of the bidder on equipment offered and on those of similar nature within the past five years and details of current contracts in hand and other commitments (suggested Proforma given in bid).
- (x) The Bidder should furnish a detailed write-up, backed with adequate data, explaining his available capacity and experience (both technical and commercial) for the manufacture and supply of the required equipment within the specified time of completion after meeting all their current commitments.
- (xi) The bidder should clearly confirm that all the facilities exist in his factory for inspection and testing and these will be made available to the purchaser or his representative for inspection.
- (xii) Reports on financial standing of the bidder such as profit and loss statements, balance sheets and auditor's report for the past five FY, bankers certificate, etc.
- (xiii) The bidder should clearly confirm that the SCADA System (solution) proposed is available live at 05 places (minimum) for cross verification and satisfactory performance certificates from the end users shall be submitted along with the bid.

B. If Bidder is not manufacturer:

(a) Experience and Technical Capacity

In the case of a Bidder offering to supply Goods under the Contract that the Bidder does not manufacture or otherwise produce, the Bidder should be duly authorized by the manufacturer of the Goods (SCADA, PLC, VSAT , Instrumentation), and The manufacturer furnishes a legally enforceable authorization in the prescribed Form assuring full guarantee and warranty obligations as per GCC and SCC for the goods offered; and The bidder, as authorized by the manufacturers, has executed similar work (SCADA System) satisfactorily and provided after sales service to the extent of at least for a value of INR 20.00 Crores AS A SINGLE ORDER indicated against each schedule specified in the Schedule of Requirements to the extent of at least 80 % of the quantity (for the main requirements viz. a. PLC based Control System with HMI b. Level Sensors c. Pressure Sensors d. VSAT Equipment e. Energy Monitors f. UPS g. Central SCADA Software) in ANY ONE OF THE LAST Ten (10) YEARS, which must be in satisfactory operation AT LEAST FOR TWO YEARS on the date of bid opening.

The Bidder shall however submit the documents relevant to the manufacturer as below

The information on past supplies and satisfactory performance in the Proforma given in the bid document.

The Manufacturer should be in continuous business of manufacturing / supplying and after sale services of products similar to that specified in the 'Schedule of requirement' during the last 5 years prior to bid opening.

The documentary evidence of the Bidder's eligibility to bid shall establish to the Purchaser's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country

as defined under the bid.

The legal status, place of registration and principal place of business of the company or firm or partnership, etc.;

The bidder should clearly confirm that the SCADA System (solution) proposed is available live at 05 places (minimum) for cross verification and satisfactory performance certificates from the end users shall be submitted along with the bid.

(b) Financial Capability

The bidder should have average annual sales turnover of INR 22.00 Crores in last five financial years (as certified by Chartered Accountant).

Notwithstanding anything stated above, the purchaser reserves the right to assess the bidder's capabilities and capacity to execute the contract satisfactorily before deciding on award
The Bidder should be authorized by OEM / OEM Authorized Partner/ Distributor of the products to quote for the bid. The bidder must attach Authorization Certificate as per the Manufacturer's Authorizations Form. Manufacturer's authorizations are required for Technologies - except for those technologies which the Bidder itself manufactures - for all the types/categories.

In case of a Joint Venture Bid the above may be individually satisfied by any of the partners individually

Following enhancement factors will be used for the cost of works executed to a common base for

		<p>the value of the works completed.</p> <p>Multiplying (Enhancement) factor</p> <p>For arriving at updated value of work of any financial year shall be multiplied by the enhancement factor corresponding to that year. Following enhancement factors (as demonstrated below) will be applied to completion cost of works to bring them to the base year. The current financial year in which bid is invited shall be considered as the base year.</p> <p>A multiplication factor at the rate of 10 % per annum shall be applied on the original value of the work schedule of work/completion certificate. For e.g. The works completed in the year 2019-20 shall have no multiplication factor, those completed in 2018-19 shall have a multiplication factor of 1.1</p> <p>Similarly those works completed in 2017-18 shall have a multiplication factor of $1.1 \times 1.1 = 1.21$ and so on and so forth.</p> <p>Note: Sub contracted Purchase Orders/Work Orders shall not be allowed.</p> <p>Only works done with the Central / State Government / Semi Government Organisations / PSUs shall be considered.</p>	
43.	<p>For Supply:</p> <p>a) Advance Payment: 10% of the contract price (supply) shall be paid within thirty (30) days of signing of the Contract and upon submission of claim and an unconditional bank guarantee for equivalent amount valid until the Goods are delivered and in the form provided in the bidding document or another form acceptable to the Purchaser.</p> <p>b) 40% of the contract price (supply) shall be paid on receipt of Goods at respective</p>	<p>We request you to relax this payment schedule as</p> <p>a) Advance Payment: 10% of the contract price (supply) shall be paid within thirty (30) days of signing of the Contract and upon submission of claim and an unconditional bank guarantee for equivalent amount valid until the Goods are delivered and in the form provided in the bidding document or another form acceptable to the Purchaser.</p> <p>b) 60% of the contract price (supply) shall be paid on receipt of Goods at respective</p>	No Change

	<p>site and upon submission of the requisite documents. Invoice to be raised for above % only.</p> <p>c) 30% of the contract price (supply) shall be paid on completion of the installation work after the verification of the work from acceptance certificate is issued by the Purchaser. Invoice to be raised for above % only.</p> <p>d) 10% of the contract price (supply) shall be paid after 2 months of satisfactory operation from the date of completion of works on Receipt of report from site from Purchaser's representative. Invoice to be raised for above % only.</p> <p>e) Balance 10% of the contract price (supply) shall be paid after completion of warranty/guarantee period. Invoice to be raised for above % only.</p> <p>For Installation Works:</p> <p>a) 80% of the contract price (Installation Works & related services) shall be paid on completion of 100% installation works after the verification of the work from site from Purchaser's representative and issuance of Operational Acceptance Certificate issued by the Purchaser's representative in the Performa given in Section VII - item 6. Invoice to be raised for above % only.</p> <p>b) Balance 20% of the contract price (Installation Works and related services) shall be paid in eight equal instalments (half yearly) starting after the end of 1st year of O&M period.</p>	<p>site and upon submission of the requisite documents. On pro rata basis.</p> <p>c) 20% of the contract price (supply) shall be paid on completion of the installation work after the verification of the work from acceptance certificate is issued by the Purchaser. On pro rata basis.</p> <p>d) 5% of the contract price (supply) shall be paid after 2 months of satisfactory operation from the date of completion of works on Receipt of report from site from Purchaser's representative. Invoice to be raised for above % only.</p> <p>e) Balance 5% of the contract price (supply) shall be paid after completion of warranty/guarantee period. Invoice to be raised for above % only.</p> <p>For Installation Works:</p> <p>a) 80% of the contract price (Installation Works & related services) shall be paid on completion of 100% installation works after the verification of the work from site from Purchaser's representative and issuance of Operational Acceptance Certificate issued by the Purchaser's representative in the Performa given in Section VII - item 6. On pro rata basis</p> <p>b) Balance 20% of the contract price (Installation Works and related services) shall be paid in eight equal instalments (half yearly) starting after the end of 1st year of O&M period.</p>	
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	<p>For Comprehensive AMC: Charges for Comprehensive AMC shall be paid after the successful completion of warranty period in equal six monthly instalments at the end of each half year period as per the rates quoted in the price schedule on submission of relevant supporting documents.</p>	<p>Please confirm that the payment terms are made applicable on “pro rata” basis for a improved cash flow and more competitive prices</p>	
44.	<p>A Performance Security shall be required. Performance Security payable to the Purchaser shall be for an amount of 5% of the accepted contract value, valid up to 60 days after the date of completion of performance obligations including warranty obligations. However, 28 days before the date of release of this performance security the supplier is required to submit a fresh performance security for the amount equivalent to his quoted price for O&M services, valid for 45 days beyond O&M period, which will be released after successful completion of O&M period</p>	<p>We request you to relax this clause as “Performance Security payable to the Purchaser shall be for an amount of 5% of the Capex value, valid up to 60 days after the date of completion of capex period. And the supplier is required to submit the performance security for the amount equivalent to his quoted price for O&M services, valid for 45 days beyond O&M period”</p>	<p>No Change</p>
45.	<p>The MCC (Main Control Centre) Room shall be temporarily located at ERA Complex, Rambagh Srinagar and then to be permanently shifted to Central Control Building at GOGO, Humhama.</p>	<p>We understand that the MCC Equipment shall be installed in the permanent building at GOGO. Please confirm our understanding is correct.</p>	<p>MCC room shall be temporarily located at ERA complex, Rambagh Srinagar till the Central Control Building at Humhama or any other suitable place is ready; where the permanent control centre will be located.</p>
46.	<p>Technical Specification of LARGE Video Screen- Laser Type for Master Control Room (M.C.S)</p>	<p>We understand that this specification is meant for the item mentioned as” monitoring screen” in item 17 of the price schedule. Please confirm our understanding is correct.</p>	<p>Yes</p>
47.	<p>The PLC System shall have Resilient and advanced auto-switching between primary communication as OFC Cable, secondary Communications as GPRS and tertiary communication as VSAT</p>	<p>OFC cable is not considered in the price schedule; please confirm whether the bidder needs to be considered the OFC cable as a primary communication? If so please provide detailed specifications and approximate quantity of the OFC cable and accessories and same shall be include in the price schedule.</p>	<p>The communication cables of all types and of required specifications are covered under item 8 in the price schedule. The bidder is required to access the quantity required before submitting their bid.</p>

48.	Hart Programmer to be supplied along with 10 Pressure transmitter	<p>The HART requirement is not needed for a project like this and will only hike up the prices of the instrumentation while delivering no real value to the system.</p> <p>Also though the sensors are being asked for with HART the PLC system has no mention of the same making the HART protocol of “no use”.</p> <p>Hence we request the HART requirement may kindly be deleted</p>	<p>No change.</p> <p>The PLC based solution design should be appropriately proposed in best benefit of the project objectives. Hart Programmed needs to be supplied.</p>												
49.	<p>GSM Modem (for data transmission from Pumping station to Main SCADA System) – 80Nos</p> <p>PSTN Modem (for data transmission from Pumping station to Main SCADA System) – 80Nos</p> <p>Dual Broadband Lines from Two separate broadband service providers for communication– LS</p> <p>VSAT at Individual Pumping Station. – 80 Nos</p> <p>GSM Communication for Individual Pumping Station – LS</p>	<p>Method of communications listed in the price schedule is confusing.</p> <p>We request you to please provide detailed scope with architecture for the better understanding of the system.</p>	<p>It is clearly stated in the bid document (<u>Specifications of PLC at Pumping station & HMI</u>) that the System shall have resilient and advanced auto-switching between different modes of communications viz. primary communication as OFC Cable, secondary Communications as GPRS and tertiary communication as VSAT.</p>												
50.	VSAT at Individual Pumping Station. – 80 Nos	<p>Please provide detailed specification for the VSAT equipment. It is advised that the bandwidth requirements are clearly mentioned or calculations for the same are asked from the bidder to ensure clear understanding.</p>	<p>The minimum requirements for VSAT shall be as follows:-</p> <table border="1" data-bbox="1534 1007 2168 1487"> <tr> <td data-bbox="1534 1007 1787 1075">Operating Temperature</td> <td data-bbox="1787 1007 2168 1075">From – 20 to + 60° C</td> </tr> <tr> <td data-bbox="1534 1075 1787 1110">Antenna cable</td> <td data-bbox="1787 1075 2168 1110">LMR400 grade or better</td> </tr> <tr> <td data-bbox="1534 1110 1787 1179">Performance</td> <td data-bbox="1787 1110 2168 1179">Data Reception availability of 99% or better</td> </tr> <tr> <td colspan="2" data-bbox="1534 1179 2168 1214">Specific Features</td> </tr> <tr> <td data-bbox="1534 1214 1787 1385">Communication Direction</td> <td data-bbox="1787 1214 2168 1385">VSAT Radio system to allow two-way communication system between data Centre and remote station</td> </tr> <tr> <td data-bbox="1534 1385 1787 1487">Single Hop or double hop</td> <td data-bbox="1787 1385 2168 1487">Provision to use either single hop (leased lines between user and service provider</td> </tr> </table>	Operating Temperature	From – 20 to + 60° C	Antenna cable	LMR400 grade or better	Performance	Data Reception availability of 99% or better	Specific Features		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
Operating Temperature	From – 20 to + 60° C														
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51.	CCTV at each pump station with communication to Central SCADA.	Please provide detailed specification for the CCTV. The prices for the same vary a lot based on the specifications for the same.	<p>The minimum requirements for CCTV shall be;</p> <ul style="list-style-type: none"> i. High definition, IP type. ii. internal storage iii. Low light sensitivity with night vision. iv. 2 way Audio communication. <p>(Refer Corrigendum – 3.)</p>								
52.	Actuators for following size Cast Iron Double Flanged Valves in Existing Pumping Stations. The Scope includes supply of gearbox assembly for operating through actuators.	<p>Please provide the type of existing valve, whether it is a sluice or a butterfly valve. If it is sluice type valve then please also provide the torque details for the same.</p> <p>We also understand that all these valves are installed above the ground, and there is no requirement of additional chambers for the safe installation of the electrical actuator, Please confirm.</p> <p>And please provide the detailed specification for these electrical actuator, like power supply, degree of protection etc.</p>	<p>The existing valves are Sluice Valves installed above the ground.</p> <p>The minimum requirements for actuators shall be as under:-</p> <p>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.</p> <p>Actuator enclosure shall be NEMA 4 (watertight). All external fasteners on the electric actuator will be stainless steel</p> <p>All gearing shall be grease lubricated and</p>								

			<p>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.</p> <p>Actuators will be capable of operating in an ambient temperature range of – 20 to + 60 degrees C.</p> <p>(Refer Corrigendum – 3.)</p>
53.	Geo-tracking devices with ON/OFF status for mobile pumping units. – 42 Nos	Please provide the detailed specifications for the item.	The Geo-tracking devices are required to be installed on mobile pumping units. These devices will track and transmit mobile-pumping unit's ON/OFF Status along with its geo location. The bidder is required to quote for the suitable devices at both ends, to ensure this information is instantly available at the central servers for each of the mobile pumping units.
54.	Makes not mentioned for all the items except PLC (Schneider / Siemens / Rockwell / Emerson / ABB / Yaskawa / GE	<p>Most of the RFPs being implemented under the Smart City Mission / other govt. departments clearly specify reputed makes of all major items. Not specifying makes can result in incorporation of sub-standard material and be disastrous to the project.</p> <p>We there urge you to include makes of repute for a fair and balanced quote for each bidder.</p> <p>Suggestion:</p> <p>Please incorporate the makes as below to ensure that reliable, tested, well established quality products are provided for the work and a reliable solution is provided by the bidders for the work</p> <p>Ultrasonic Level Sensors : Banner / Siemens/ Endress & Hauser / ABB</p> <p>PLC : Schneider / Siemens / Rockwell / Emerson / ABB / Yaskawa / GE/Mitsubishi</p> <p>SCADA : Rockwell Automation / Siemens / Schneider</p>	<p>As per World Bank procurement guidelines, makes of equipments are not mentioned. The bidder is required to quote the best make which will meet all technical requirements, including compatibility, interoperability and scalability of the proposed solution, in the best interest of the project. The technical project proposal carries weightage and hence same shall be taken into consideration while evaluating the technical proposals.</p> <p>Also, Refer Corrigendum – 3.</p>

		<p>/Mitsubishi / ABB Electric Actuator : Rotork / Ritetork / Auma / Marsh Energy Meters: Secure/ HPL/L&T / Selec Modem: Robustel / Maetsro/ VSAT: Nelco / Hughes / Gilat</p>	
55.	Power supply	<p>We understand that the required power supply (3phase / single phase) shall be available at each location. Electricity consumption charges shall be paid by the department. Please confirm our understanding is correct.</p>	Yes
56.	Battery Backup for Power supply	<p>Please accept battery backed up systems in lieu of UPS systems. UPS systems introduce losses, more components and hence more failures. The same is not the case with battery backed up systems.</p>	<p>No Change Bidder may propose battery backed system powered via UPS, to make a better technical proposal, however it is not part of the minimum technical specifications.</p>
57.	Cost of communication	<p>We understand that cost of communication for the mentioned GPRS/VSAT during the construction period and in O&M period shall be borne by the department. Please confirm our understanding is correct.</p>	The cost shall be borne by the bidder during the said period.
58.	Detailed scope of work with architecture provided.	<p>We request you to kindly provide detailed scope of work with system architecture / layout for better understanding of the work.</p>	<p>The conceptual architecture/ layout has already been provided in the bid document. Bidder is expected to provide its technical proposal as per the experience and site visits. Detailed technical planning shall be done during implementation stage.</p>
59.	Site visit	<p>Please allocate a date and time for the physical site visits to be done as per the availability of your staff.</p>	<p>The intending bidders may carry out site visits any time before the bid submission end date. However, intimation may be sent 3 days prior to the proposed visit for availability of field staff.</p>
60.	HMI Specifications PLC MAKE	<p>You are requested to please broaden the purview of the 'makes' of items required in the tender by adding equivalent makes.</p>	<p>PLC make: Schneider / Siemens / ROCKWELL / EMERSON/ ABB / Yaskawa / GE /or</p>

		Sir, for PLC make, the 'makes' of prestigious companies like Delta, Mitsubishi, CIMCON, Omron should also be added for larger participation in the tender. These makes are reputed and addition of these 'makes' will encourage transparent, unbiased and equitable participation by bidders. These makes are already present in most tenders of U.P., Uttrakhand and other states. These makes are also approved by Uttar Pradesh Jal Nigam Uttrakhand Peyjal Nigam and in various Public Health departments and water boards in India.	equivalent. (Refer Corrigendum – 3.)
61.	Qualification of the bidder.	We request you to kindly reduce the average annual turnover to 15 Crores in the last five years (CVC norms) for both manufacturer and non-manufacturer. We also feel that there should be multiplying factor for the works executed in previous financial years as per CVC norms	No Change
62.	Payment Terms	We request you to relax the payment schedule as per CPWD/CVC norms.	No Change.
63.	VSAT	It is our submission that required bandwidth should be mentioned in the tender document.	Refer Corrigendum – 3.
64.	Makes	Makes are not mentioned for most of the items. We request you to kindly provide makes for all the items so that the tender may be quoted at par by all the vendors.	As per World Bank procurement guidelines, makes of equipments are not mentioned. The bidder is required to quote the best make which will meet all technical requirements, including compatibility, interoperability and scalability of the proposed solution, in the best interest of the project. The technical project proposal carries weightage and hence same shall be taken into consideration while evaluating the technical proposals.
65.	Communication expenditure	Expenditure w.r.t communication shall be absorbed by the department as per the given schedule is what we have understood.	Refer response to S.No. 57 above.
66.	Site layout	We request you kindly provide site layout and locations where the installations are to be carried	The installations are to be carried out at various storm water dewatering stations scattered in and

		out.	around Srinagar city. The bidders may visit the sites for their understanding about execution of the works.
67.	Site visit	We would like to visit the site for better understanding of the execution of works. In this regard we would request you kindly organize a site visit plan.	Refer response to S.No. 59 above.
68.	Qualification of the bidder	<p>The Bidder /OEM shall have successfully executed the similar work in drinking water /Sewage water /Strom water pumping automation having in last 5 years & satisfactorily completed Operation & maintenance/DLP for at least 2 years processing to date of submission of bid</p> <ul style="list-style-type: none"> • Single similar work for value of minimum INR 26.00 Cr. • Two similar works for value of 20 CR. Each • Three similar works for value of 15 Cr. Each . <p>Similar work means “successfully completed work of Supply installation, commissioning Work of Wireless data acquisition /SCADA having must include level transmitters /switches, Pressure Transmitters ,PLC/RTU , HMI, GPRS wireless modem, Central Control room” Bidder need to enclose Authorisation from manufacturers (OEM) for Support in line contract time line .Bidder shall choose OEM & OEM product experience must be proven in his contract executed by firm for the items listed in similar work definition .</p> <p>(a) Financial Capability of Bidder/OEM The bidders/OEM should have average annual sales turnover of INR 44.00 Crores in last five financial years (as certified by Chartered Accountant).</p>	No Change
69.	Hart Programmer to be supplied along with 10	For 80 pressure transmitter 8 No’s hart calibrator	Refer response to S.No. 48 above.

	Pressure transmitter Hart Calibrator : Required	will be required. In specification of Ultrasonic level transmitter Hart calibrator is mentioned required but quantity not mentioned. Calibration of these equipment requires max after 1 or two years & for entire project max 2 calibrators are sufficient secondly HART is unique foundation hence same HART calibrator will be required for level & pressure Request to clarify /amend as “Bidder need to supply min. 2 nos HART calibrator in the quoted cost of level & pressure instruments”	
70.	Pressure Transmitter for Individual and Common Delivery header, compatible to transmit pressure to PLC System	Total Quantity of actuators is approx. 117 no’s as per price schedule that means there will be 117 pumps & 80 no’s common headers. Hence as per decryption page no 212 Quantity shall be 80 no’s (common headers) + 117 no’s (Individual pumps delivery) =197. Request to clarify /amend	Pressure transmitters are required to be installed on common headers only.
71.	Actuators for following size Cast Iron Double Flanged Valves in Existing Pumping Stations. The Scope includes supply of gearbox assembly for operating through actuators.	If we are controlling pump by On/Off & pumps are delivering water to fixed head ,investment in actuators is not required .Delivery valve were not frequently required to throttle if NRV are functioning properly . Secondly, If there is dispute in functionality Actuator OEM & Valve OEM always get entered in debate as due to non maintenance Torque of valve gets increased & Actuator gets tripped Request to clarify /amend /review.	No Change
72.	Central non redundant SCADA system including hardware, server, Engineering Station, Operator Station & Monitoring Screen	System architecture shows Redundant SCADA tripped. Request to clarify /amend /review.	It is Non-redundant SCADA system.
73.	The bidder shall give list of spares for 2 years operation (or as required for the period specified in the evaluation criteria) separately indicating description, quantity, unit price and total price in the above format, for those items whose scope of supply includes spare parts as per technical specification.	Kindly confirm whether This calculation of price will be taken in consideration at the time of price Evolution? We feel that these will be judgemental prices without any base of quantity required in spares. Hence shall be deleted. Request for necessary clarification as these prices will not be	The prices of spare parts shall not be taken into consideration in price evaluation.

		considered in price evaluation.	
74.	Data and programming memory of 8 MB and 64MB respectively. – 128 MB flash memory for user program back up. Having option of data storage of 32 GB	We wish to bring your kind attention that Every OEM have different Type of memory method, programming structure. Keeping specific memory sizing may favour to particular bidder & may be debatable in future if found less .As operational jurisdiction area does not have internet frequently data required to store locally & shall be made available to control room as internet gets restored. Hence request you to allow bidder for offer suitable size memory with min 1 month storage at the interval of hour & Request you to amend specification as follows Bidder shall offer suitable size memory system to store locally data for min 1 month storage at the interval of hour & transmit to control room as internet gets restored in case of disconnection of internet.	No Change
75.	HMI Specifications PLC MAKE	Incorporate ‘CIMCON’ make for PLC/RTU.	PLC make: Schneider / Siemens / ROCKWELL / EMERSON/ ABB / Yaskawa / GE /or equivalent. (Refer Corrigendum – 3.)
76.	Financial Capability	In case of JV, the average turnover of 5 years required of INR 33 Crore will be considered of both the JV partner added together.	Refer response to S.No. 39 above