

Pre Bid Responses
IFB No: GWSP/LCB/C-9/2023-24/03 dated 28.04.23

Central Water Management Centre CWMC – SCADA & Instrumentation
with Comprehensive maintenance for a period of 5 years
Prebid Meeting Date: 10.05.2023

| SI No | Reference | Query/Suggestion | Reply |
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| 1 | | What will be the frequency of data transfer time interval expected between DMA RTU (130nos) to CWMC SCADA. (Eg. once in a day or once in a hour likewise) | The data transfer shall be programmed to transmit at the time of water supply (2 times at every 15 minutes interval) .The same shall be programmed to also transmit data as and when the data is requested by the CSC operator.Note:The entire system shall be programmed to transmit at every one minjute interval or as required by the CSC operator. |
| 2 | | Approximately how much data will be required from WTP-1 & WTP-2 (ALL IO need to be shown in CMWC SCADA or only critical data is enough?) | Inputs from pumps/drives/instruments to be considered for both the WTP's. Provision to be kept for future addition of one more WTP.The details specified in addendum -2. |
| 3 | | In DMA location – what will be the approximate distance from RTU panel to Flowmeter, RTU to Pressure Transmitter for field cable calculation. We also hope Concrete Platform is available in all DMA location to erect the RTU panels. | RTU Panel to Flowmeter & Pressure transmitter distance is around 6 meters (average). The existing contractors installed/will install panels on concrete foundation. Flow transmitter installation is under the scope of existing contractors. |
| 4 | EMD | Kindly clarify whether the EMD exemption is allowed as mentioned in your tender Portal . We have attached the screenshot of this below for EMD exemption allowed. Normally MSME bidder will get exemption for EMD amount. We are an MSME Vendor. We haven't seen any details related to this in tender document. | Bid conditions prevail |
| 5 | | In the subjected tender our name is appearing in the approved vendor list only as RTU manufacturer, not as SCADA supplier/ manufacturer. However, we have been supplying, installing and commissioning more than 30 projects with our RTU & SCADA in the different parts of India including the Assam Urban Water Supply & Sewerage Board,Guwahati (Project Name: Construction of Nagaon Town 24X7 water supply project) last year. Few credentials are attached for your ready reference. Therefore , we request you to please allow us to participate in the subjected tender along with our RTU & SCADA. | Refer addendum-2 |
| 6 | IFB-1 –SI No. 5-Bid Security | Please give sufficient time (48 Hours minimum) for the Bidders to submit the original Bank Guarantee, after the submission date. This is general bid submission practice followed in competitive bidding | Bid conditions prevail |
| 7 | | Please confirm physical copy of the bid to be submitted? if yes ,please provide sufficient time for the submission | Bid conditions prevail |
| 8 | Section III: EQC-2 | We understand the work period is 12 months and 05 Years of Operation and Maintenance. Is this the case then the Price bid evaluation should be done considering all the periods, kindly confirm | The quoted price shall be inclusive of work period and comprehensive operation & maintenance of 5 years.Bid conditions prevail |
| 9 | Section III: EQC-- 7 | What is the value of work to be considered for this criteria? | Bid conditions prevail |
| 10 | 2.4.3 Cyber Security Solution provider | This is very restrictive condition we request you to consider any OEM who is having the experience of supplying Cyber Security Solution and Network Management Software irrespective of the value of work. | Refer addendum-2 |
| 11 | BF – Tech. – 29 Form FIN - 3 - Bidding Capacity | This should be updated as on 31 march 2023. Moreover for calculating bid capacity please consider the value of work executed as on date, irrespective of the Payment received. Most of the PSU/Govt bodies are facing shortage of funds. Hence it is not appropriate to judge any bidder on the basis of receipt of payment. | Bid conditions prevail |
| 12 | Section VI Employer Requirements | Please provide the detailed system architecture of the existing system with communication protocols, makes and model numbers of PLCs / RTUS used, available database format etc. Is there any OPC server available at all these SCADA locations? | Not relevant.The bidder shall refer to the addendum-1 for clarity on the scope of work and functionality. |
| 13 | Section VI - Employer Requirements 1.7. | We understand that the design, monitoring and operations of the system, liaison between Sub-contractors is restricted with the items to be supplied against this work, please confirm | Bid conditions prevail |
| 14 | Section VI -Employer Requirements 3.2 Energy Management. | Contractor under this package cannot be held responsible for the energy meter data. We request you please check the healthiness of the already installed instruments and PLCs/ RTUs and this should be compatible for the further integration with CWMS . For this purpose please share all necessary details of the existing / to be installed instruments –make, model number etc. | Not relevant.The bidder shall refer to the addendum-2 for clarity on the scope of work and functionality. |
| 15 | Section VI - Employer Requirements 5.2. SCADA Control Room Design | Please elaborate, what is meant by" technical room" any separate room to be constructed? Or any civil works to be considered for the same. | The UPS, Server, router, Battery set etc will be kept in this room adjacent to the SCADA room in the Admin. Bldg in Kharguli WTP premises. No civil work is involved. |
| 16 | Section VI -Employer Requirements 5.6. Technical Security Centre (Future) | What are the items to be considered by the bidder for the same? it is not clear from the given descriptions, Please elaborate | Not Applicable. |
| 17 | Section VI - Employer Requirements | We understand ,Providing the Source programs and protocol for the respective WTPs, Pump houses and other locations (not in the scope of this contract) for integrating with the CWMS SCADA is in other agencies scope ,Please confirm | Refer addendum-2.The bidder scope of work shall essentially include liasioning and interoperability testing with contractors of all packages as required to achieve integration of data. |

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| 18 | Section VI -Employer Requirements Water Demand Forecast and Planning Software:Page 113 | Please note this will be possible only when all the field instruments installed under various other Package of work is working smoothly and its data is transmitted to CWMS .We request the department to check the healthiness of the already installed instruments and please also confirm these instruments are compatible for integrating with CWMS | Refer addendum-2.The bidder scope of work shall essentially include liasioning and interoperability testing with contractors of all packages as required to achieve integration of data which shall be used for water demand forecast and planning. |
| 19 | Section VI - Employer Requirements-Page 114 | Is there any GIS mapping done for the existing installations and its coordinates are mapped in GIS Software, Please confirm | Bidder shall note that any GIS maps currently being used by GJB shall be provided access during DDE to the successful bidder for implementation and design of the network |
| 20 | Section VI - Employer Requirements Water Leakage Management Software | Please note this will be possible only when all the field instruments installed under various other Package of work is working smoothly and its data is transmitted to CWMS .We request the department to check the healthiness of the already installed instruments and please also confirm these instruments are compatible for integrating with CWMS | Refer addendum-2.The bidder scope of work shall essentially include liasioning and interoperability testing with contractors of all packages as required to achieve integration of data which shall be used for water demand forecast and planning. |
| 21 | SUB SECTION 6 REMOTE TERMINAL UNIT& PROCESS INSTRUMENT | Please provide the available space in the existing enclosure; however we recommend to consider a new enclosure for RTUs ,this will be easy for the contractor to assemble the accessories and tested at OEM/Integrators works and then installed at the place | Noted. Bidder shall consider new enclosure as extension to be fitted with the existing panels in 15 locations for easy access of instruments connectivity with the RTU. Rest of the panels (dimension: 1000mmHx 750mmWx 450mmD) having space/compertments to accommodate all the items. |
| 22 | SUB SECTION 6 REMOTE TERMINAL UNIT & PROCESS INSTRUMENT: Page 115 | We understand that Earthing cable to be connected with the existing Earthing Please confirm | Bidder to consider to provide earthing as per OEM recommendation.Refer addendum-2 for earthing requirements. |
| 23 | SUB SECTION 6 REMOTE TERMINAL UNIT & PROCESS INSTRUMENT | Please provide the maximum distance from the lighting poles to the desired RTU Locations. Please confirm is there any expense or deposit (to the electricity board) required to be borne by the contractor for the same? | The distance is around 12 meters, however the power cable for 15 locations in DMA is already exists & rest will be hookup by the existing contractor. |
| 24 | Section VI - Employer Requirements 6.4. Connectivity of Flow Measuring device: | Please confirm a. All these Flow Meters are installed as per the norms of Flow meter installations b. All these Flow meters are in working conditions? c. Are these Flow meter datas have been logged locally? d. What is the communication protocol available in these flow meters | a. Yes b. Flowmeters are under the process of procurement & installation. (15 nos. installed as on date) c. Data will be logged in RTU. d. These are wired into the RTU to feed 4-20mA's. However, the bidder is encouraged to visit the site and ascertain the information required and include the same in his price proposal. |
| 25 | Section: VIII - Particular Conditions (PC) Part A- Contract Data –4.2 Performance Security | Does this means there is a retention of 15% of contract value? (2.5% + 7.5% + 5%) This is way above in any contract norms, this will result the bidder quote very high rates. We request you, a. Please consider the Performance Security in the form of BGB and as per Government of India Ministry of Finance notification No. F.9/4/2020-PPD dated 12th Nov, 2020 b. Please allow to submit the Performance security separately for Capex and Opex period And release the same as per the completion of each phases. c. Allow to submit the retention money in the form of BGB | a. Performance Security form of BG can be accepted. B) Separate PBG for Capex and Opex is acceptable. However the release of PBG for Capex will be after completion of 365 days defects notification period. The O&M BG will be submitted before commencement of the O&M period. The Opex PS BG to be kept for the full contract period. c) Retention money in form of BG not acceptable. |
| 26 | Annexure -1 Terms and Procedures of Payment | We understand the payments will be released on pro rata basis at all stages please confirm. | Bid conditions prevail |
| 27 | Annexure -1 Terms and Procedures of Payment | 4) Performance Guarantee Test and Commissioning - 5 % of Schedule I & II-What are the tests to be conducted by the contractor to claim the said payment please elaborate | Refer addendum-2 |
| 28 | BOQ- Schedule 1-CWMC-Commissioning Charges | As per Annexure 1- Terms and conditions of payment it is mentioned in periodical payment Sr No. 4 - 5% of payment will be released against test and commissioning. Please confirm, Is the bidder to consider the same amount against "Commissioning charges" in the BOQ? | Refer addendum-1.Every equipment to be provided under this contract along with its interface and integration is subjected to testing and commissioning. |
| 29 | BOQ- Schedule 1-CWMC Sr No. 17 | It is confirmed in the pre bid meeting that CCTV item is not required in the scope of work. Kindly delete the same from the BOQ line item | CCTV system stands deleted. |
| 30 | BOQ- Schedule 1-CWMC | Is Broad band connection available at the SCADA Centre? | Refer addendum-2 |
| 31 | General | Recurring cost for broad band, GPRS charges, Electricity charges-We understand the recurring costs during construction period and O & M Period for all these items shall be borne by the client, please confirm. | Refer addendum-2 |
| 32 | Manpower deployment during O&M Period | Please provide minimum requirement of manpower to be considered by the contractor during the Operation & Maintenance period | Refer addendum-2 |

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| 33 | Completion | <p>The final completion of the said project seemsto depend on multiple contractors working on different packages viz. WTP contractors, distribution and transmission contractors etc.</p> <p>In case the successful Contractor completes his entire work under this package 9, but is not able to display data from certain RTUs, due to unavailability of the flowmeter / work pending from the transmission and distribution / WTP contractor; the department should give completion (on the basis of contractor showing simulated proof of having commissioned all work) and start M&O for 5 years (on prorata basis) for the installed, tested and commissioned equipment. This is a necessity as in case 100% of the associated work is not completed by the time the successful contractor completes the work under this package 9, then unless M&O commences immediately - the actual M&O for the commissioned equipment would be much more than 5 years. Also the warranty of all supplied equipment would have long expired and contractor would suffer for no fault of theirs? Subsequently we request please add</p> <p>a. Phase completion of the workand start of O&M for that portion. b. " Escalation Clause" to safeguard the contractor in case the project period gets extended which is no fault of the contractor</p> | <p>Bidder shall note that it is desired that all components as illustrated in the bid document and addendum-2 shall be made available to the bidder for integration within the project execution period. However in the event of the non availability of few of the components,the bidder shall note that the project execution completion shall consist of the following in sequence:</p> <p>1 . Completion & Integration of all water quality monitoring devices to be installed in the distribution network along with its data to be integrated with the CWMC.</p> <p>2. Completion of SAT for all systems as illustarted in the bid document and addendum-2.For equipment which are not available,the same shall be simulated to display the data to complete the execution.Bidder to note thatt the same is only applicable for field data like WTP or WPS of flow & pressure data.The systems to be deployed at CWMC do not come under this criteria and essentially need to fulfill the requirments of SAT as per the bid conditions.</p> |
| 34 | 6.3. Supply &Installation of Pressure measuring device | <p>We recommend that the pressure transmitter be without display as this would be out in the open and subject to pilferage / damage /environmental conditions. We suggest RTUwith display to be installed in the existing enclosure which would serve as a remote display for the PT. the PT would therefore need to be blind PT and can be installed at the outlet of PRV, where the process line fixing port is already available.</p> | <p>The display type pressure transmitter will be installed inside the Panel & SS tubing to be extended from port in PRV to the Panel, so there will not be any chance of damage.</p> |
| 35 | Cables | <p>Power supply cables and instrument cables not considered in the BOQ item. Please confirm will these cables supplied by the client?</p> | <p>External Power/ Instrumentation cables are not required. Cable work for UPS/Battery/Battery Charger etc to be carried out inside the technical room/SCADA room.</p> |
| 36 | | <p>List of Documents to be submitted with the bid to be given.</p> | <p>Refer addendum-2.Bidder to note the documentation to be submitted for technical evaluation and documents to be submitted during executuin period.</p> |
| 37 | | <p>Price Variation formula based on wholesale price index (WPI) has not been clearly mentioned.</p> | <p>Bid conditions prevail</p> |
| 38 | | <p>The cost for the necessary required signal cables and GI conduit for making connections between field equipments and RTU has not been considered.</p> | <p>Refer addendum-2 for better clarity and describing the functioning and requirements to be met by the bidder</p> |
| 39 | | <p>Cost of SIMs and internet connection needs to be borne by the employer. Plz Confirm</p> | <p>Refer addendum-2 for better clarity and describing the functioning and requirements to be met by the bidder</p> |
| 40 | | <p>CWMC control room shall require some civil/electrical/related cabling which is not mentioned in the BoQ needs to be included.</p> | <p>No any civil work is involved. Electrical works like UPS/Battery/Charger etc inside the technical room/SCADA room is required.</p> |
| 41 | | <p>The detailed specifications for many equipments including Servers, CCTV,and allied systems, Videowall and other hardware needs to be clarified.</p> | <p>Refer addendum-2 for better clarity and describing the functioning and requirements to be met by the bidder</p> |
| 42 | 1.1.3 EQC 1 | <p>The equipment list provided exceeds the actual requirement as specified in Scope of work. Kindly review so as to match the requirement of the tender.</p> | <p>Refer addendum-2 for better clarity and describing the functioning and requirements to be met by the bidder</p> |
| 43 | 2.3.2 EQC 4 | <p>Request to amend to "Average annual Construction Turnover of INR 10 Cr in the last three years, from 1st April 2019"</p> | <p>Bid conditions prevail</p> |
| 44 | 2.4.1 EQC-7 | <p>Request to amend to " One Member must meet requirement"</p> | <p>Bid conditions prevail</p> |
| 45 | 2.4.2 EQC-7 | <p>Request to amend to "ISO 9001 Certificate: shall have ISO 9001 certification for engineering services, execution, SCADA solutions"</p> | <p>Refer addendum-2</p> |
| 46 | 2.4.3 EQC-7 | <p>Request to consider ISO 27001 and CMMI Lvl 5 Certification. Cyber Security Solution (CSS) provider can be considered on a later date during detailed engineering. At this moment it will be restrictive to include credentials of a CSS provider</p> | <p>Refer addendum-2</p> |

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| 47 | 2.4.5 EQC-8 | Request to replace Supplier by Bidder | Refer addendum-2 |
| 48 | EQC 8/9 | Kindly consider OEM authorized System Integrator who shall require to submit manufacturer's authorization and has been working with the OEM for a minimum continuous period of last 5 years. | Refer addendum-2 |
| 49 | EQC 8/9 | Request to review requirement for cyber security solution provider at the bidding stage and requirement for authorization certificate from OEM for Cyber Security product suit | Refer addendum-2 |
| 50 | EQC 9 | ISO Certification: This clause is not applicable. Kindly reconsider as the instrument manufacturer shall be finalized at the time of detailed engineering | Bid conditions prevail |
| 51 | Employer Requirement 1.2 | Needs to be reviewed. Please clarify the method by which the consumer meter data and the GIS database map will be made available along with timelines | Bidder shall note that any data and any GIS maps currently being used by GJB shall be provided access during DDE to the successful bidder for implementation and design of the network |
| 52 | Employer Requirement 2.1 | Please clarify the point of responsibility for providing GIS database and map of the entire project area. | Bidder shall note that any data and any GIS maps currently being used by GJB shall be provided access during DDE to the successful bidder for implementation and design of the network. |
| 53 | Employer Requirement 5.9 | NRW for a DMA can only be computed if the consumer meter data is available along with the inlet and outlets of DMA. Please clarify | Bidder shall note that any data and any GIS maps currently being used by GJB shall be provided access during DDE to the successful bidder for implementation and design of the network. |
| 54 | Employer Requirement 5.12 | Please include Phoenix Contact in the list of approved suppliers. | Refer addendum-2 for better clarity and functionality of the CWMC |
| 55 | 1.1.3 Equipments (SL 2) | Kindly explain. It is for bidder or PLC provider | Refer addendum-2 |
| 56 | 1.1.3 Equipments (SL 3) | Kindly explain. It is for bidder or PLC provider | Refer addendum-2 |
| 57 | 1.1.3 Equipments (SL 4) | Kindly explain. It is for bidder or PLC provider | Refer addendum-2 |
| 58 | 1.1.3 Equipments (SL 6) | Kindly explain. It is for bidder or PLC provider | Refer addendum-2 |
| 59 | 2.4.1 General Construction Experience | Any one member must meet requirement | Bid conditions prevail |
| 60 | 2.4.3 Cyber Security Solution Provider | As already mentioned that lead member has to appoint cyber security provider, not necessarily he should be JV partner but a nominated sub contractor or vendor and undertaking can be submitted from such experience vendors | Refer addendum-2 |
| 61 | 2.4.4 Specific Experience; SCADA experience for Water Supply Project | Evaluation of providing SCADA cannot be done by the size of a water carrying capacity, but by complexity and activities handled in the project. So we request to change this to the experience of specific activities of SCADA like WTP, Pumping Station, ESR/GLR and water distribution. Bidder must have experience of all the activities completed in single project in past 10 years. | Bid conditions prevail |
| 62 | 2.4.5 Specific Construction Experience | This experience asked for qualification itself is irrelevant, because to provide NABL certified process instrument is technical requirement of a particular client and it does not matter if any bidder has provided instrument without NABL accreditation but with some other specification. Client should ask for the experience of integration of process instrument with SCADA for similar project. | Bid conditions prevail |
| 63 | 1.1.3 EQC-1 | The requirements seem to be very generic. Request to include as per requirements of this tender. | Refer addendum-2 |
| 64 | 2.3.2 EQC-4 | As work was impacted during the Covid-19 pandemic, request to amend as "Average Annual Construction Turnover of INR 10 crore in any three of the last five financial years, from 1st April 2017" | Bid conditions prevail |
| 65 | 2.4.1 EQC-7 | In a Joint Venture each member has a specialised role -and all members do not have composite experience set. Kindly consider modifying it to read "One Member must meet requirement" | Bid conditions prevail |

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| 66 | 2.4.2 EQC-7 | As the wording for the requirement differs with respect to various services under the same Electrical and automation Scope of Work, for maximum participation from all bidders, request to modify as "ISO 9001-2015 Certification: Shall have ISO 9001-2015 certification for engineering services, execution, SCADA solutions". | Refer addendum-2 |
| 67 | 2.4.3 EQC 7 | The inclusion of a Cyber Security Solution provider as eligibility criteria, makes the bidding restrictive as only one or two firms may meet the requirement as stipulated, which shall lead to restrictive bidding and high cost. We request you kindly review the requirement to ensure maximum participation and to avoid high cost to the employer the Govt of Assam. | Refer addendum-2 |
| 68 | 2.4.5 EQC-8 | As the requirements is for supply of equipment and integration of the equipment to the SCADA system by the bidder, we understand that there is a typographical error in the document. The same should be modified to read as " Shall have experience in supply & installation of process instruments from NABL certified [testing & calibration lab- as per ISO/IEC 17025 for flow /pressure transmitter, etc.] Bidder/Contractor shall have experience of integration of process instruments with SCADA. | Refer addendum-2 |
| 69 | EQC 8/9 | Kindly note that Automation System similar to the Scope of Work described has been around only for the last 5-7 years duration in India. Based on the same, we request you to revise the bid notes to read "The bidder shall be essentially an OEM for SCADA software and automation products (PLC/RTU) or shall be an authorized system integrator / specialist sub-contractor for the OEM for a minimum continuous period of past 10 years" to "continuous period of last 5 years". This shall ensure maximum participation from OEM and system integrators. | Refer addendum-2 |
| 70 | EQC 8/9 | The clause is restrictive. Request to review requirement for Cyber Security Solution Provider at the bidding stage and requirement for authorization certificate from the OEM for Cyber Security product suite | Refer addendum-2 |
| 71 | EQC 9-ISO Certification | This clause is not applicable as the requirement is for Supply and Integration of field equipment, where the equipment are of specifications provided. Request that the clause be reviewed to ensure maximum participation. | Bid conditions prevail |
| 72 | Tech 9- Basic Design | As per our understanding "interoperability" is not an objective. Please review and clarify | Refer addendum-2 for better clarity and functioning of the CWMC |
| 73 | Tech 9- b) Instrumentation and Automation (ICA) Design | Real-time communication cannot be implemented over GSM/GPRS (as specified in the Bid document). Will request to review and consider "near Real-time" instead of Real-time. | Refer addendum-2 for better clarity and functioning of the CWMC |
| 74 | BF-TECH-19 Online Real time Influent & Effluent sewage quality multi-parameter instruments | This equipment is not within the scope of work or supply. Kindly review and consider. | Noted. To be termed as "Deleted" |
| 75 | Employers requirement 1.1 SUB-SECTION 1 | " control (through overriding functions" contradicts the subsequent section of the clause. Kindly review the requirement to allow the Bidder to prepare an effective control and operation design"-Review Request | Refer addendum-2 for better clarity and functioning of the CWMC. Bidder shall note that "No Control" is envisaged and only remote monitoring of operational parameters of WTP, WPS, Flow & Pressure and online water quality in the distribution network is to be considered. |
| 76 | Employers requirement 1.2 | NRW in a DMA can be quantified if the consumer meter readings are provided. Kindly review and clarify the mechanism by which the consumer meter data and the GIS map will be available | Bidder shall note that any data and any GIS maps currently being used by GJB shall be provided access during DDE to the successful bidder for implementation and design of the network. |
| 77 | Employers requirement 1.5 | The interlock between PLC and CWMC-SCADA contradicts other sections in the Bid document. Kindly review and clarify so that the bidder can provide an efficient system design | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 78 | Employers requirement 2.1 | Kindly clarify the point of responsibility for providing GIS database and map of the entire project area | Bidder shall note that any data and any GIS maps currently being used by GJB shall be provided access during DDE to the successful bidder for implementation and design of the network. |

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| 79 | Employers requirement 5.9 | NRW in a DMA can be computed if consumer meter data is available and GIS map, including attributes are provided. Please review and clarify. | Bidder shall note that any data and any GIS maps currently being used by GJB shall be provided access during DDE to the successful bidder for implementation and design of the network. |
| 80 | Employers requirement 5.19- Approved Suppliers | In the interest of wider competition, without compromising the quality of deliverables, please consider including Yokogawa Electric and Phoenix Contact in the list of Approved Suppliers | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 81 | Section III: EQC - 3 -Eligibility and Qualification Criteria -2.4.4_Specific Experience | Request you to please accept similar capacity experience for lift irrigation Pumping Stations above 1 TMC capacity, Smaller Capacity (15 MLD and above) WTP & Distribution System, Desalination plant for Design, procurement, supply, Installation, testing and commissioning of electrical integration of SCADA system completed within 10 years as on the date of Bid submission. | Bid conditions prevail |
| 82 | Section III: EQC - 3 -Eligibility and Qualification Criteria -2.4.4_Specific Experience | Request you to please accept global references as well for Design, procurement, supply, Installation, testing and commissioning of electrical integration of SCADA system . | Noted and accepted.However the bidder shall note that in case of global reference, the qualifying company of the eligibility criteria should be part of the JV.All members of the JV will be jointly and severally liable for the project. |
| 83 | BDS-2_C. Preparation of Bids | The RTU specification provided in the tender document is of a particular make and model and may not be possible to match by other OEMs. We appreciate that CWMC-Guwahati is open to welcome alternative technical solutions .We shall quote our own OEM make product and solutions wherever applicable to meet the requirement of the project . . | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 84 | Form SOG: Schedule of Guarantee | Only comprehensive AMC is considered in our scope , Deputation of manpower for O&M is not considered in scope. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 85 | Form SOG: Schedule of Guarantee | Network availability (Leaseline , broadband, sim card etc. as applicable) depends on the service provider and can not be guaranteed by us. | Not acceptable.Refer addendum-2 for better clarity and functioning of the CWMC. |
| 86 | BF – Tech. – 12 _Form SOG: Schedule of Guarantee | Since this is not a part of price schedule we consider this as not a part of tender scope. In case this is in scope , please clarify the specifications, expectations, where to consider in the price schedule. | Bidder shall note that only Functional guarantees of Centralized SCADA & Other equipment- The contractor's guarantee for the performance in the works execution period namely - 1). Taking handover of centralized SCADA center from existing operator 2. Implementation of MIS system stand "Deleted". The contractor's guarantee for the performance in the execution & O&M period shall be provided by the bidder as per bid requirements. |
| 87 | Form SPA: Spare Parts | Please clarify the spare requirement . | Refer the addendum-2 |
| 88 | Section VI -Employer Requirements- CWMC - SCADA & INSTRUMENTATION WORK SUB-SECTION 1 | Apart from this scope, whether any other existing Pump House/OHSR/ESR/WTP needs to be integrated with CWMC or not, please specify. | Bidder is required to integrate the WTP,WPS,ESR/Rservoires,Flow & Pressure,Water quality parameter etc in the JICA funded area.In addition to the above on a minimum,the bidder shall be required to integrate all facilities in Guwahati (JICA,ADB,JNnuRM) etc during the comprehensive 5 years of operation and maintenance period. |
| 89 | Section VI -Employer Requirements- CWMC - SCADA & INSTRUMENTATION WORK SUB-SECTION 1 | How many data points are required to be taken from WTP, for transmitting to CWMC ? | Inputs from pumps/drives/instruments to be considered for both the WTP's. Provision to be kept for future addition of one more WTP.The details specified in addendum -2. |
| 90 | Section VI -Employer Requirements- CWMC - SCADA & INSTRUMENTATION WORK SUB-SECTION 1 | Please specify the following points- 1- Are the data of all 3 WTP's already available at CWMC over wireless /Wired media ? 2- If the data is not already available at CWMC what is the provision available at WTP for taking the data. | Refer addendum-2 |
| 91 | Section VI -Employer Requirements- | Please clarify the Make and model of PLC & SCADA system available in the 3 existing WTP's. | Not relevant.The bidder shall refer to the addendum-2 for clarity on the scope of work and functionality. |
| 92 | Section VI -Employer Requirements- | Please clarify what are the communication provision available in the existing WTPs PLC & SCADA for taking the data. | Not relevant.The bidder shall refer to the addendum-2 for clarity on the scope of work and functionality. |
| 93 | Section VI -Employer Requirements | We understand that for Energy Management we need to monitor the data of energy meter at CWMC, for this please let us know the quantities and locations of these Energy meter | Not relevant.The bidder shall refer to the addendum-2 for clarity on the scope of work and functionality. |
| 94 | Section VI -Employer Requirements | Please let us know the communication protocol available for the energy meter | Not relevant.The bidder shall refer to the addendum-2 for clarity on the scope of work and functionality. |
| 95 | Section VI -Employer Requirements | As per the tender is concerned energy meter installed for monitoring and RTU's for respective energy meter should be same quantity in case there is difference in quantity either in RTU or energy meter needs to be considered in offer. | Bid conditions prevail |
| 96 | Schedule IV - O&M & SUB-SECTION 4 MAINTENANCE CONTRACT | As per "Sub Section IV Maintenance Contract" of the tender document we consider only comprehensive AMC of 5 years in scope of this tender .Operation is not considered the part of this tender. Please confirm.. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 97 | BOQ & SUB SECTION 5 | We understand that specification and work requirement is mentioned in the tender documents are general and we have to follow item & quantities mentioned in the BOQ sheet only. Kindly confirm. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 98 | Section VI -Employer Requirements | 5.2. SCADA Control Room Design - The Contractor shall provide a special neighboring "technical" room for separating the UPS, servers, routers, modems etc. from the workplaces.Is there any civil work required or not , please clarify the requirement. | The UPS, Server, router, Battery set etc will be kept in this room adjacent to the SCADA room in the Admin. Bldg in Kharguli WTP premises. No civil work is involved. |

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| 99 | Section VI -Employer Requirements | 5.2. SCADA Control Room Design - The Contractor shall provide a special neighboring "technical" room for separating the UPS, servers, routers, modems etc. from the workplaces. Please provide the dimension of the room . | The UPS, Server, router, Battery set etc will be kept in this room adjacent to the SCADA room in the Admin. Bldg in Kharguli WTP premises. Room dimension= 12m x 18m (inclusive 6m x 6m MIS/IT room) |
| 100 | Section VI -Employer Requirements | 5.2. SCADA Control Room Design - The Contractor shall provide a special neighboring "technical" room for separating the UPS, servers, routers, modems etc. from the workplaces. Any renovation required or not , please clarify. | The UPS, Server, router, Battery set etc will be kept in this room adjacent to the SCADA room in the Admin. Bldg in Kharguli WTP premises. No renovation is required. |
| 101 | SUB SECTION 5 _SCADA AT THE CWMC | We assume that only monitors / screen for CCTV system is in scope of this tender . Please clarify the scope of CCTV works , bill of material , locations and also request you to kindly arrange to provide specification for CCTV system. | CCTV system stands deleted. |
| 102 | Section VI Employer Requirements - | 6.3. Supply & Installation of Pressure measuring device- high and low alarm set pointHigh and low alarms shall be generated in DCS/PLC . | The High Low setting shall be generated in CWMC SCADA on the basis of water network hydraulic design. |
| 103 | Section VI Employer Requirements - | 6.3. Supply & Installation of Pressure measuring device- In case of DPM, retransmission facility shall be available.Instrument shall be 2 wire as per BOQ specs. Hence, retransmission is not applicable. | Retransmission facility is required in case DPM is provided inside the Panel. Pressure transmitter to be directly wireup with RTU. |
| 104 | Section VI Employer Requirements - | What is the desired Security Level (SL) for cybersecurity? | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 105 | Section VI Employer Requirements - | Tender only covers some of the functional security controls such as IDS/IPS/Firewall. Is the scope of cybersecurity is limited to only the supply of these products? Please clarify | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 106 | Section VI Employer Requirements - | Is there any requirement for cybersecurity Policies & Procedures requirements? Please clarify. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 107 | Section VI Employer Requirements - | Is there any requirement for Cybersecurity Assessment post-implementation or during any phase of the project? Please clarify. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 108 | Section VI Employer Requirements - | Is there any cybersecurity consultation involved in scope? Please clarify. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 109 | Section VI Employer Requirements - | We assume that we will get hydraulic modeling data over EPANet and OPC format , kindly confirm. | Bidder understanding is not correct.Bid conditions prevail |
| 110 | Section VI Employer Requirements - | Which Software tool is being used by customer to carry out hydraulic modeling .Please specify. | Successful Bidder to co-ordinate with the end user for the information during detailed design engineering. |
| 111 | D-System Protection-BoQ | What is the application of NGFW and where to be used, please clarify. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 112 | Price Schedule | Please clarify the no of DMA / Booster Pumping Stations / ESR where these 130 RTU;s will be located | Refer addendum-2. The bidder shall note that the locations shall be finalized during detailed design engineering |
| 113 | INSTRUMENTATION - GENERAL, 1.1 Scope of work BOQ - Part B Software for CWMC SCADA | Water demand forecast and planning is not a part of part B of price schedule in the BOQ hence we consider that it is not to be provided. In case it is needed, please specify. | shall be considered as integral part of scope pf work under this contract and shall be part of SCADA software only.Refer addendum-2 for better clarity and functioning of the CWMC. |
| 114 | BOQ - Schedule 1 CWMC - Part B Software for CWMC SCADA | Weather forecasting is not a part of the tender but is mentioned in the BOQ, we assume it is not to be supplied. Ready apps from IMD are already available for weather forecasting. | Weather forecasting feature to be considered as "Deleted" |
| 115 | BOQ | Anti malware and lockdown control for Scada systems:It has been asked in the clause " solution should have self-protection enabled from day 1" Request to provide clarity whether self-protection means uninstall protection from user or stopping and deleting related agent services" | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 116 | BOQ | Antimalware for Air gapped systems for SCADA: It has been asked in the clause "that solution shall not install software of the systems." Request to provide option for both agent and agentless solution for maximum vendor participation. Hence request you to modify the clause as "that solution shall install software of the systems as agent/agent-less" | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 117 | BoQ | Requesting authority to please number of IP enabled Devices which are going to use in this RFP scope so that we can prepare License BOQ and Hardware sizing requirements accordingly. Also, please let us know if there any requirement of Device Configuration management as well on top of monitoring requirements. If Yes please let us know number of Critical Network devices as well. | Refer addendum-2 for better clarity and functioning of the CWMC. |
| 118 | | Neither Party shall be liable to the other Party for loss of use of any Works, loss of profit, loss of any contract or for any indirect or consequential loss or damage including loss of profit, loss of production, interruption of operations, loss of information and data. Kindly remove the exclusions i.e. 8.7, 11.2, 15.4, 16.4, 17.1 17.4 (b) and 17.5 from the list. | Bid conditions prevail |

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| 119 | | The total liability of the Contractor to the Employer, under or in connection with the Contract other than under Sub-Clause 4.19 [Electricity, Water and Gas], Sub-Clause 4.20 [Employer's Equipment and Free Issue Material], Sub- Clause 17.1 [Indemnities] and Sub-Clause 17.5 [third party Intellectual and Industrial Property Rights infringements], shall not exceed the sum resulting from the application of a multiplier (less or greater than one) to the Accepted Contract Amount, as stated in the Contract Data, or (if such multiplier or other sum is not so stated), the Accepted Contract Amount. | Refer Particular Conditions of Contract Section III, Part A: Clause 17.6 |
| 120 | | Time for Completion: Section - II: Operate the works during the Defects Notification Period of 12 Months, from the Date of issuing Taking over Certificate [GC 10] OR 18 months from the date of supply completion whichever is earlier and Maintenance of the works for 48 Months thereafter, from the Date of issuing Performance Certificate | Refer answer to earlier query |
| 121 | | Defects Notification Period 365 Days from the Date of issuing Taking over Certificate [GC 10] OR 18 months from the date of supply completion whichever is earlier | Refer answer to earlier query |
| 122 | | Annexure -1 Terms of Payment Break up of advance Payment & periodic payment does not add up to 100%. Kindly confirm the credit period for each periodic payment | Mobilization Advance is an Advance Amount which shall adjusted in periodic payments. Total of periodic payments add up to 100% of the contract value. |
| 123 | General | Extension of Bid Submission Deadline | Refer Addendum 1 |

Paran

Project Director

PIU, JICA Assisted Guwahati Water Supply Project