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| I Amendment / Corrigendum to TENDER | | | | |
| Sub: TENDER FOR ADVANCED ENERGY MONITORING SYSTEM using Supervisory Control & Data acquisition (SCADA) based system  at Akkulam Factory of HLL Lifecare Limited, Thiruvananthapuram  Ref: IFB NO: HLL/AFT/PUR/Engg/SCADA/2022-23 Dated.26.03.2022     |  |  |  | | --- | --- | --- | | **Sl**  **No** | **Original Tender Details** | **Amended Tender Details** | | 1. | **Bid Submission Closing Date**  12/04/2022 at 14.00 Hrs | **Bid Submission Closing Date**  26/04/2022 at 14.00 Hrs | | 2. | **Bid Opening Date**  12/04/2022 at 15.30 Hrs | **Bid Opening Date**  26/04/2022 at 15.30 Hrs | | | | | |
| **Sl.No** | **Vendor** | **Query** | **HLL Reply** | **Remarks** |
| 1 | RBH Solutions | Complete tender document not able to get | It is available in HLL website [www.lifecarehll.com](http://www.lifecarehll.com). Please down load it. |  |
|  |  | Request for extension of tender submission date by 10- 15 days | The corrigendum will be published in HLL website [www.lifecarehll.com](http://www.lifecarehll.com). |  |
| 2 | Cadillac Automation | Can we add Schneider make CITEC SCADA in the list? | Yes, As we are familiar with this make at AFT. This make will be included in preferred list. |  |
|  |  | Please inform about the UPS back up supply for computer whether you will provide or not | UPS supply for Server computer will be provided by HLL. |  |
|  |  | Please give the confirmation about EMD exemption for the attached certificate or else we need to pay the EMD Amount |  |  |
| 3 | Consyst | Warranty period  The support should essentially mean rectification of errors and correction or addition of reports etc without any additional charge to HLL.  As HLL is looking for an advanced EMS system, please confirm that no other reports apart from section "h) Reports" will be asked to develop during the execution stage. | The reports list in tender is an indicative one. There will be minimum 50 customized reports. The templates will be shared to the successful bidder. |  |
|  |  | SECTION III Eligibility Criteria  5) The bidder shall complete minimum 1 similar work with SCADA application of 1000 tags or above in last 3 years.  Please confirm if "similar work" means Energy Management System or is it any SCADA based projects.  Generally Industrial projects execution timeline can vary from 4 months to 1 year based on the complexity and size of the project and Govt Institutions commonly consider projects that are executed in min last 5 years for eligibility & pre-qualification check. Considering this we request HLL to change previous project timeline from min 3 years to min 5 years. | Similar work means process parameters monitoring SCADA based system. Not need to be Energy Management System. |  |
|  |  | Technical Specification  The implementation shall include configuration of licensed SCADA software application (Minimum 1000 Tags) to capture electrical parameters from Multifunction Meters installed at electrical panels. The SCADA system implemented shall be of reputed make (make Allen Bradley/Siemens/Fuji/Mitsubishi).  As HLL is looking for SCADA based EMS system from reputed manufactures, we would like to seek if SCADA from AVEVA (Schneider Electric) can be proposed as its not mentioned in the approved list. | Yes, As we are familiar with this make at AFT. This make will be included in preferred list. |  |
|  |  | The SCADA system shall have a customized dashboard with different diagrams and area/product wise energy consumption details. The SCADA system shall be accessible over LAN network of HLL. 5 remote user access need to be provided. The SCADA system shall be accessible through internet using configured desktop/laptops  5 remote users mean, 5 web clients that can accessed from any PC connected to same LAN? or whether HLL is looking to remotely monitor the EMS screen outside HLL premised through Internet | The SCADA system need to be accessible over LAN and through internet. Minimum 5 remote users access required. |  |
|  |  | COMMENCEMENT & COMPLETION TIME Date of commencement of work should be reckoned from the date of issuance of work order. The whole work must be completed within 45 (Forty five) days from the date of commencement. A detailed time schedule for the work has to be prepared and submitted by the successful bidder with the Detailed Design Report.  Completion time of 45 day is too short considering the jobs like field cabling, SCADA development. Can we get the completion time revised to min 2 months time from the date of design approval? | Completion period has been amended as 60 days from the date Purchase Order |  |
|  | Fox solutions | The implementation shall include  configuration of licensed SCADA software application (Minimum 1000 Tags) to capture electrical parameters from Multifunction Meters installed at electrical panels. The SCADA system implemented shall be of reputed make (make Allen  Bradley/ Siemens/ Fuji/ Mitsubishi).  FOX is the OEM of EMS Software and Serial to Ethernet converter (Gateway/RTU) which will fulfill all the site requirements and perform satisfactorily with all professional expertise.  Kindly allow FOX make of EMS- SCADA Software and Serial to Ethernet converter(Gateway/RTU) to bid for this project | The bidder has to study the site and quote.  As EMS Software is not familiar with us. This make can’t be included in the preferred list. |  |
|  |  | Tender Budget  Please share the project estimated value/budget with and without AMC. It is important to know for getting clarity about the scope of  work for this project. |  |  |
|  |  | Bid Security : Rs.10,000/-  Please share the project estimated value/budget with and without AMC. It is important to know for getting clarity about the scope of  work for this project | As per our tendering practice, Estimated cost would not be mentioned in the tender. |  |
|  |  | Bidder shall prepare and submit the detailed design report to HLL Lifecare Limited which must contain schedule of work, detailed specifications of each equipments all necessary drawings and associated calculations for selection of different equipments for the SCADA system. Based on the study the tenderer shall decide the number of multifunction meters need to be installed in each electrical panel.  Please share the detail finalized BOQ and the probable energy meters to be installed in each  area (out of 16 as per tender document).It will make clarity for all bidders and bring them up on same platform to competitive bidding .Else price comparison will not be apple to apple. | Bidder need to study the site and decide the number of meters required and prepare technical proposal along with BOQ as per their design. |  |
|  |  | Bidder shall at his own cost carry out detailed study of existing electrical power distribution system and other relevant  parameters required for design of the SCADA system. Bidder shall prepare and submit the detailed design report to HLL Lifecare Limited which must contain  schedule of work, detailed specifications  of each equipments all necessary drawings and associated calculations for selection of different equipments for  the SCADA system. Based on the study the tenderer shall decide the number of multifunction meters need to be installed in each electrical panel.  Please share the detail finalized BOQ and the probable energy meters to be installed in each  area (out of 16 as per tender document).It will make clarity for all bidders and bring them up on same platform to competitive  bidding .Else price comparison will not be apple to apple. | Bidder need to study the site and decide the number of meters required and prepare technical proposal along with BOQ as per their design. |  |
|  |  | 7) Bidder shall at his own cost carry out detailed study of existing electrical power  distribution system and other relevant parameters required for design the SCADA system after taking prior permission from Controlling Officer ((Engineering). Bidder shall prepare and submit the detailed  design report to HLL Lifecare Limited which must contain schedule of work, detailed  specifications of each equipments all necessary drawings and associated calculations for selection of different equipments  for the SCADA system. This detailed study report shall be submitted in the technical bid  If we get the finalized BOQ with No. of energy meters in each area along with rough layout of  the plant. We could submit the required design/ architecture along with schedule and other necessary information.For the Competitive bidding, the finalized  information is should be share by HLL officials to bring all bidders on same page for avoiding  confusion and efficient costing  Request to share BOQ and No. of energy meters to be installed in each area along with plant layout.  . | Bidder need to study the site and decide the number of meters required and prepare technical proposal along with BOQ as per their design. |  |
|  |  | Supply, installation, commissioning and testing of all materials, hardware and software required for the SCADA system shall be under scope of successful bidder.Allmaterilas include but not limited to the  following:  i. Licensed SCADA application of reputed  make (Allen Bradley, Siemens, Fuji, and  Mitsubishi) of minimum 1000 tags with 5  remote users.  ii. IT hardware and networking items.  iii Consumables (Power cables, Signal  cables, Network cable, all dressing  accessories, conduits, etc).  iv Current transformer  v.Serial to Ethernet converter  vi.MCB  vii.Ethernet Switch  viii.Power supply  ix. Enclosure  x. Any other items required  The tender points are open ended. As the BOQ  is not fixed, it is difficult to come up with  specific cost.  Please share the detail finalized BOQ and the  probable energy meters to be installed in each  area (out of 16 as per tender document).  It will make clarity for all bidders and bring  them up on same platform to competitive  bidding.  Else price comparison will not be apple to  apple.. | Bidder need to study the site and decide the number of meters required and prepare technical proposal along with BOQ as per their design. |  |
|  |  | i. Licensed SCADA application of reputed  make (Allen Bradley, Siemens, Fuji, and  Mitsubishi) of minimum 1000 tags with 5  remote users.  FOX is the OEM of EMS Software and Serial to  Ethernet converter (Gateway/RTU) which will  fulfill all the site requirements and perform  satisfactorily with all professional expertise.  Kindly allow FOX make of EMS- SCADA  Software and Serial to Ethernet converter  (Gateway/RTU) to bid for this project | The bidder has to study the site and quote.  As EMS Software is not familiar with us. This make can’t be included in the preferred list. |  |
|  |  | ii. IT hardware and networking items.  Please confirm if LAN network is already there  and we shall connect the Gateways to it. If not  please share the layout for network design estimation. | Bidder need to study the site and decide the number of meters required and prepare technical proposal along with BOQ as per their design. |  |
|  |  | CURRENT TRANSFORMER  As the meter quantity is not known, the no. of CTs to be considered while costing is not fixed. Please share the meter quantity for estimating  the CT Qty | The bidder has to study the site and quote. Based on study the details can be arrived by bidder. |  |
|  |  | Please share below CT specifications required for CT Selection:  A. Primary to secondary ratio:  B. VA Burden:  C. Accuracy class:  D. ID required:  E. Primary conductor type (cable or busbar) with dimensions:  F. Type of CT (Tape wound or Resin cast):  G. Quantity: |  |  |
|  |  | MCB  Please share  1. quantity.  2. 2 core or 4 core  3. Rating of MCB | The bidder has to study the site and quote. Based on study the details can be arrived by bidder. |  |
|  |  | Serial to Ethernet converter  Please share quantity | The bidder has to study the site and quote. Based on study the details can be arrived by bidder. |  |
|  |  | Ethernet Switch  Please share the layout of plant with meter  quantity and available LAN network. It will  help to decide the Switch with specific ports. | The bidder has to study the site and quote. Based on study the details can be arrived by bidder. |  |
|  |  | Enclosure  Please confirm the use case of Enclosure. For  which equipment it should be considered | Enclosure for mounting the multifunction meter need to be arranged by bidder if existing electrical panel does not have provision. |  |
|  |  | OPERATION AND MAINTENANCE  The successful bidder shall maintain and  support the developed SCADA System for  a period of 6 years i.e. six years after Go-  LIVE. The first year will be the warranty  period and the  next 5 (five) years will be paid  maintenance.  Please confirm if the purchase order will be  given for complete 6 years (i.e. 1 year + 5  years of AMC) Or else it will be given in 2 parts  i.e. for first year and remaining 5 years of  AMC. | Work order will clearly mention project completion and AMC period. |  |
|  |  | d. Last date and time for receipt of bids  : 12/04/2022 at 14.00 Hrs  Please note that after any corrigendum or  Prebid query reply we need at least 10 -12  days for working on bid and hardcopy  submission.  Hence please consider our request to extend  this tender at least by 22nd April 2022. | If any change will be updated in corrigendum.  Last date of submission of Tender is extended to 26/04/2022 |  |
|  |  | 13) The successful bidder/tenderer has to  share the source code/program of SCADA application with HLL from time to time.  All material/ product and related codes  would be property of HLL and the  successful bidder should have no claim  over the same in future. All content should  be stored and kept confidential and the  successful bidder should not reuse/  replicate/ transfer the same to anyone  else. The vendor should provide all  admin/ user manuals. The vendor  should also provide support for all  future upgrades/initiatives of HLL related  to the SCADA Application  Source code/ program of SCADA is the  intellectual property of the company and that cannot be share  Please remove this point from the Tender. | No Change is made on this point |  |

All other terms and conditions in the original tender remain unchanged.

**08-04.2022                                                             Joint General Manager (Materials)**