



Minutes of the meeting of the Prebidding Conference for the project Supply, Installation, Integration, Programming, Testing and Commissioning of Four (4) units SCADA System for SRWD Pumping Stations held on December 1, 2020.

**PRESENT:**

Engr. Julius Caesar M. Badilla	Chairman
Mr. Jerome Tee	Member
Mrs. Armie B. Tuazon	Member
Ms. Meldy C. Seviilla	Member
Mr. Emerson Sarabia	Member
Mr. Pablo Suarez	Representative, FCD ENTERPRISES
Mr. Manuel C. Dionisio	Representative, FCD ENTERPRISES
Mr. Pablo T. Reyes	Representative, RADIUM ENGINEERING SUPPLIES INCORPORATED

**ABSENT:** None

- The meeting was called to order by Chairman, Engr. Julius Caesar M. Badilla at 2:00 pm, and started with reading of the Invitation to Bid.
- Engr. Badilla asked the prospective bidders for questions and clarifications wherein Mr. Reyes asked if Bid Securing Declaration (BSD) is accepted as form of Bid Security because other agency do not accept BDS as form of Bid Security. Engr. Badilla stated that SRWD BAC accept BDS as form of Bid Security for Bidding purpose but not as form of Warranty Security which is limited to Cash or Letter of Credit issued by a Universal or Commercial Bank, Bank Guarantee, and Surety Bond only.
- Mr. Suarez queried about the After Sales Support for equipment because their supplier usually gives only one year After Sales Support. Engr. Badilla confirmed that the required After Sales Support for the project is 2 years for the equipment and 3 years for services without any cost/ liability from SRWD. Engr. Badilla also added that Brochure with ISO Certification of the equipment is also needed. The bidders were recapped that aftersales and warranty period for the SCADA project are 2 years for equipment and 3 years for labor that should be shouldered by the winning contractor.
- Mr. Dionisio questioned if there is an operational CCTV and if flow meters are available. Engr. Badilla assured that there are CCTV and electronic flow meters installed at four pumping stations included in the project and they can have a site inspection after the meeting.


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- Mr. Dionisio also inquired about GSM and if SCADA System includes CCTV monitoring at real time. Engr. Badilla said that the SCADA system is capable of GSM and CCTV real time monitoring.
- In addition to the inquiry of Mr. Dionisio on the existing SCADA system's capability/features, bidders were informed of the following SRWD SCADA features that will be considered as the minimum required specifications:
  1. Automated systems operations which includes:
    - a. Historical operator reporting
    - b. Historical event visualization
    - c. Animated and graphical display
    - d. SMS sending alarm
    - e. Data logging with real time clock
    - f. Printing
    - g. Monitoring
    - h. Controlling and remote communication via internet, wireless LAN or Wi-Fi router
  2. Monitoring includes:
    - a. Flow rate monitoring with history log
    - b. Line pressure monitoring with history log
    - c. Line voltage monitoring with history log
    - d. Line current monitoring with history log
    - e. Line frequency monitoring with history log
    - f. Storage tank level monitoring with logs
    - g. Generator set status monitoring
    - h. CCTV utilization
  3. Control operations and remote communication includes:
    - a. Motorized valve control
    - b. Booster pump control with status monitoring
    - c. Submersible pump control
    - d. VFD control
  4. Other features not listed will be discussed during the site inspection.
- Mr. Suarez enquired if additional features can be offered and would not cause disqualification for the said project. Engr. Badilla responded that SRWD welcomes new features provided that minimum requirements are met and without additional cost.
- Mr. Reyes inquired about the necessary wirings and accessories for the installation/ tapping and integration of the SCADA Equipment to the existing pumping station facilities. The bidders were informed that all necessary wirings and accessories for the installation, tapping and integration of SCADA equipment to the existing SRWD pumping station facilities is included in the Scope of Work for the said SCADA project.
- Mr. Reyes also queried about the schedule of Site Inspection in which Engr. Badilla answered that it can be reschedule per preference of the prospective bidder as long that the BAC should be informed first to ask the availability of the pump operator who will accompany them.

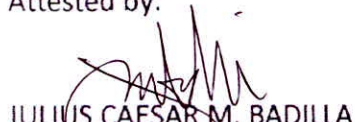
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- Mr. Dionisio also asked if there are personnel already trained for SCADA system that can be called for reporting and simple trouble shooting. Engr. Badilla responded that SRWD has its own MIS personnel and pump operators are assigned at the Command Center monitoring all the pumping stations.
- Mr. Suarez requested if they can have an inspection on the pumping stations with existing SCADA system. Engr. Badilla retorted that site inspection is limited only at Command Center and four pumping stations included in the project.
- Mr. Suarez also asked for the copies of Bidding Documents to be submitted, Engr. Badilla retold the prospective bidders on the copies of Bidding Documents that should be one set original and 2 sets certified true copies, all sealed and with signature of authorized representative.
- When no question was raised, the meeting was adjourned at 2:45pm. After which representatives from both company paid for Biding Documents and proceeded to Site Inspection with Mr. Fidel Castro, Pump Operator on duty.


Prepared by:

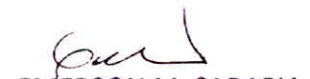
  
ARMIE B. TUAZON  
Member, BAC

Attested by:

  
JULIUS CAESAR M. BADILLA  
Chairman, BAC

  
JEROME TEE  
Member, BAC

  
MELDY C. SEVILLA  
Member, BAC

  
EMERSON M. SARABIA  
Member, BAC