

June 21, 2022

**BID BULLETIN NO. 4**

**PROCUREMENT FOR THE DESIGN AND BUILD OF AUTOMATIC  
FIRE SPRINKLER SYSTEM (AFSS) AND FIRE DETECTION  
AND ALARM SYSTEM  
(FDAS) AT THE I & I BUILDING  
(the "Project")**

**(Project Reference No. MR21-12-135)**

This **Supplemental/Bid Bulletin No. 4** is being issued in relation to matters arising from queries of the prospective bidder during the Pre-Bid Conference conducted on June 9, 2022 and to modify and/or amend items in the Bidding Documents. This shall form an integral part of the bidding documents.

1. Query: On the inclusion of the APPLICATION OF BUILDING PERMIT.  
**Answer: ALL permits and fees, including application, processing, coordination, and the like, as required by the LGU and all concerned agencies relative to the implementation and completion of the Project, must be included in the bid.**
2. Query: On Annex A, DESIGN REQUIREMENT, page 41 of the Bidding Document, the minimum residual pressure is 65 psi at most remote area sprinkler system and fire hose system. Clarification at the most remote fire hose size 40mm dia., the residual pressure is 65 psi but for remotest sprinkler head is only 7psi.  
**Answer: Minimum residual pressure for sprinkler is dependent on the pressure of the wet stand pipe, the 7 psi is the minimum operating pressure that a sprinkler can operate (check specs of a UL/FM sprinklers). The 65 psi is for fire hose cabinets 40mm.**
3. Query: The fire hose system minimum flow rate at hydraulically most remote area is 250 gpm. Is this applicable also to 65mm. dia.-fire hose with pressure discharge of 100 psi.  
**Answer: Yes. We are referring to 65mm. dia.-fire hose valves at stand pipes with a discharge pressure of 100 psi as per NFPA 14.**
4. Query: On ACCESSORIES, Item 4, page 45 of the Bidding Document, floor control valve shall be OS&Y (UL/FM approved) rated at least 200 psi. Is 175 psi rating allowable to use?  
**Answer: No. The 175 psi is the maximum operating pressure of sprinklers, however, for factor of safety USE 200 psi rating of valves.**

5. Query: On PUMPS AND MOTORS, including controllers with ATS (controllers are Building Automation System 'BAS'-ready with dry contact). Please elaborate this pump feature.

**Answer: ATS is not needed since the generator system has this feature for back-up power. BAS-ready meaning the controller has also provision for FDAS integration for monitoring purposes. i.e. Dry contact.**

6. Query: On PUMPS AND MOTORS, supply and installation of controller with ATS. Is ATS a separate unit to be supplied by the Contractor (the 'Contractor')?

**Answer: No. Please refer to this Bid Bulletin No. 4, Item No. 5.**

7. Query: On TESTING AND COMMISSIONING, Item 5, page 48 of the Bidding Document, the Contractor is required to provide THIRD-PARTY Testing and Commissioning group to validate the system. Is the THIRD-PARTY referring to the pump supplier?

**Answer: Aside from the pump supplier, the Contractor must provide a THIRD-PARTY testing and commission team.**

8. Query: On MANAGEMENT OF WORKS, Item 6B, page 48 of the Bidding Document, the Contractor shall be responsible to conduct a disinfection and flushing of the system. Is the application of disinfection solution to fire water included?

**Answer: Since the fire tank and potable tank is common, bidders to include and required to clean and disinfect the tank.**

9. Query: On MANAGEMENT OF WORKS, Item 6E, page 48 of the Bidding Document, the contractor shall be responsible for testing and cleaning of all piping works for the Fire Protection System before any enclosure to made but not limited to the cleaning of Fire Reserve Tank. Is cleaning of Fire Tank included?

**Answer: Yes. Please refer to this Bid Bulletin No. 4, Item No. 8.**

10. Query: Do we need to provide a Safety Engineer or Safety Officer and QA/QC Engineer?

**Answer: Please refer to Item V. CONSTRUCTION STAGE MANPOWER. For Safety Officer, please provide one (1) officer. The Project Engineers, one (1) for Fire Pro and one (1) for FDAs, shall function as QA/QC Engineers.**



11. Query: Will NDC provide the Contractor for the temporary facilities, staging area and toilet?

**Answer:** NDC will assign the location, however, NDC will not provide the structures, equipment, utilities, furniture and the like for the temporary facilities, staging area and toilet. Barracks for workers is strictly prohibited. Contractor shall submit proposed layout for NDC's approval.

12. Query: On Section VI – SPECIFICATIONS, page 56 of the Bidding Documents, please confirm if there is an existing "Elevator Homing System, Elevator Pressurization Fan, Ventilation, Smoke Extraction and Pressurization System, Security and Access Control System and Parking System' within the I&I Bldg. that shall be interfaced/integrated with the new supplied FDAS control panel.

**Answer:** FDAS shall be interfaced with Fire Protection system. No pressurization system, security and access control. For Elevator Homing, please provide provision.

13. Query: On Contractor's workstation (for both complete with printer, tables, furniture and chairs.

**Answer:** Please refer to this Bid Bulletin No. 4, Item No. 11.

14. Query: Please confirm WARRANTY clause.

**Answer:** This is to confirm "Five (5)-year Warranty on design, workmanship and materials (includes quarterly preventive maintenance of the system: draining, flushing, repainting, cleaning, retightening and performance test of equipment)"

15. Query: The quantities stated in the Bill of Quantities (BOQ) are provided by the client without a supporting Drawing/Layout. It shall be the duty of the FDAS Contractor to check and verify the following quantities, if it is sufficient for a complete and operational system. Are the bidders allowed to revise/insert additional items within the Bill of Quantities which are required for the completion of the Project?

There is no pay item for the "Programming Works" which is deemed necessary to complete the Project.

**Answer:** The scope of the Project is Design and Build. The Bidder/Contractor is allowed to revise or insert items (provide SUNDRIES) which is not in the BOQ as long as it is needed to make the design and the system OPERATIONAL.

On the Item **PROGRAMMING WORKS**, it is the Contractor's duty to deliver the system **OPERATIONAL**, thus, programming of the system must be considered and included.

16. Query: On Section VIII – BILL OF QUANTITIES, page 74 of the Bidding Document, pay item for PVC Conduits Sch.40, please verify the installation of PVC conduits as opposed to EMT/IMC.

**Answer**: **USE PVC conduits for concealed above ceiling and IMC for exposed areas.**

17. Query: On Section VIII – BILL OF QUANTITIES, FDAS page 74 of the bidding Document, please verify pay items for 'Boxes, Hangers & Supports, Fittings, Consumables'

**Answer**: Items should be considered and must be included for FDAS. Provide **SUNDRIES** for the said items.

18. Please note that all and each item in the Detailed Financial Bid Form, including all the additional pay items and **SUNDRIES** shall have a corresponding detailed Unit Price Analysis (UPA). **Use the prescribed UPA Form at page 85 of the Bidding Document.**

19. Please verify the inclusion of the electrical tapping on the scope.

**Answer**: Any electrical works related to the Project to make the unit and system **OPERATIONAL** must be included. Verify on-site the possible tapping of power supply.

20. Query: Do we need a license AutoCad Software for this Project?

**Answer**: Bidders may use any software that can generate the required plans and lay-outs for the design. However, it is the contractor's sole responsibility for any copyright infringement in using any software.

21. Query: Please clarify inclusion of Civil Works such as repairs of ceiling and the like, upon execution of the Project.

**Answer**: Please refer to Section VIII BILL OF QUANTITIES, under PRELIMINARIES, it allows item for restoration works for walls, slabs, ceiling and the like, which may cover masonry works, plastering, sealant works, carpentry, painting and others as may require.

22. Please be reminded of the following:

| Activities   | Date / Time / Location   |
|--|--|
| <b>*Submission and Receipt of Bids</b><br>(includes <b>**Opening of Bids and Eligibility Check</b> ) | <b>June 29, 2022</b><br>*(10:00 A.M.)<br>7 <sup>th</sup> Floor, NDC Building<br>**(11:00 A.M.)<br>ABB Hall Penthouse, NDC Building |

Likewise, the issuance and availability of the bidding documents is until June 28, 2022 from 9:00 A.M. to 4:00 P.M.

For further inquiries, you may coordinate with our Bids and Awards Committee Secretariat at 8840-4838 and 0995-138-0595.

This **BID BULLETIN No. 4** is issued this 21<sup>st</sup> day of June 2022 for the guidance and information of all concerned.

  
**AGM SATURNINO H. MEJIA**  
Chairperson  
Bids and Awards Committee