

ANNEX “A”

PROJECT : CONSTRUCTION OF SEWAGE TREATMENT PLANT FOR MAIN BUILDING (DESIGN AND BUILD)

QUERIES/CLARIFICATIONS RAISED DURING THE PRE-BID CONFERENCE:

	Query/Clarifications	TWG/BAC Reply
1	What influent wastewater characteristics for BOD are we to follow? Under project specifications, it stated that it should be able to process more than 1000 PPM influent Biochemical Oxygen Demand (BOD), but on the Terms of Reference (TOR), the influent characteristics for the BOD to be considered is around only 350PPM.	<p>To consider “more than 350ppm influent BOD”</p> <p>This amends item 6.1.3.d. of the Terms of Reference.</p> <p><i>“designed and constructed such that its footprint occupies the area provided but still can process more than 1000ppm influent BOD”</i></p> <p style="text-align: center;">To</p> <p><i>“designed and constructed such that its footprint occupies the area provided but still can process more than 350ppm influent BOD”</i></p>
2	<p>For the Moving Bed Biofilm Reactor (MBBR) process flow diagram that was presented, do we need to follow the process flow exactly or can we propose another flow diagram?</p> <p>As long as it is Moving Bed Biofilm Reactor (MBBR)?</p>	<p>Yes, you can propose another conceptual flow diagram if it satisfies the requirements of the SSS as specified in the Terms of Reference.</p> <p>Not necessarily. If you have a better system that is more applicable, then SSS will evaluate the proposal.</p>
3	With the operation and maintenance, is the 1st year for warranty and the 2nd year for maintenance (OMM)?	Yes.
4	Can you provide us for a copy of this presentation?	Yes, however, this is the same as the in the Terms of Reference (TOR) in the Bidding Documents.
5	The payment of bidding documents is until September 28, right?	Yes. Bidders may purchase or secure the Bidding Documents before the schedule submission and opening of bids.
6	With the Bill of Quantity (BOQ) can you provide an excel file?	Yes. Bidders will be provided soft copy of the BOQ together with Bid Bulletin.

WRITTEN QUERIES:

	Query/Clarifications	TWG/BAC Reply
1.	Would like to clarify if we are to consider the 350ppm influent BOD or the 1000ppm influent BOD.	<p>To consider “more than 350ppm influent BOD”</p> <p>This amends item 6.1.3.d. of the Terms of Reference.</p>

		<p>“designed and constructed such that its footprint occupies the area provided but still can process more than 1000ppm influent BOD”</p> <p>To</p> <p>“designed and constructed such that its footprint occupies the area provided but still can process more than 350ppm influent BOD”</p>
2.	Can we propose other technologies aside from MBBR?	Yes, as long as the proposed technology is compliant with the requirements as specified in the Terms of Reference
3.	May we request for the excel format of the BOQ and word file for the other forms.	These will be provided by the BACSD.
4.	<p>Propose to revise Terms of Reference & Technical Specifications, Item #4 Procurement of Services:</p> <p><i>The SSS will engage a Wastewater Specialty Contractor which specializes in the design and construction of sewage, water, and wastewater treatment plants, with at least five (5) years of experience in the field of sanitary and environmental engineering particularly in the design of sewage treatment plants, rainwater collection and recycling facility, including building water and sewerage systems and with at least three (3) completed successful installations with proof of Laboratory Results for at least three (3) months complying to DENR effluent standards for Class “C” waters</i></p>	<p>Revise to:</p> <p><i>“The SSS will engage a Wastewater Specialty Contractor which specializes in the design and construction of sewage, water, and wastewater treatment plants, with at least five (5) years of experience in the field of sanitary and environmental engineering particularly in the design of sewage treatment plants, rainwater collection and recycling facility, including building water and sewerage systems and with at least three (3) completed successful installations with certified true copy of latest Quarterly Laboratory Result from DENR or LLDA with results complying with DENR effluent standards for Class “C” waters.”</i></p> <p><u>Bidder must submit list of completed projects with certified true copy of latest quarterly laboratory result as proof of completed successful installation</u></p> <p>This amends Item #4 Procurement of Services of the Terms of Reference and Technical Specifications</p>
5.	<p>Propose to revise Terms of Reference & Technical Specifications, Item #6 Project Specifications:</p> <p><i>The STP system should provide /present technologies most appropriate for the local needs, institutional capacities, environment, sustainability, operation and maintenance capacities, and process technology which is designed to be centralized STP capable to handle the wastewater</i></p>	<p>To include “or any technology that can fit in the proposed location and can comply consistently to DENR effluent standards.” in the paragraph.</p> <p>This amends Item #6 Procurement of Services of the Terms of Reference and Technical Specifications</p>

	<p>generated in the SSS Main Office Building daily. The STP system to be considered for this project is the Moving Bed Biofilm Reactor (MBBR) System or any technology that can fit in the proposed location and can comply consistently to DENR effluent standards.</p>	
6.	<p>Propose to revise Terms of Reference & Technical Specifications, Item #6 Project Specifications, under sub-item 6.1.3.d. The STP shall be:</p> <p><i>d. designed and constructed such that its footprint occupies the area provided but still can process more than 350ppm influent BOD but not exceeding 800ppm.</i></p> <p>Since your building is producing domestic wastewater only, it is impossible for the influent BOD to reach 1000ppm. Only those commercial buildings, malls, and industrial facilities can reach a BOD loading of more than 800ppm.</p>	<p>Revised to “more than 350ppm influent BOD”</p> <p>This amends item 6.1.3.d. of the Terms of Reference.</p> <p><i>“designed and constructed such that its footprint occupies the area provided but still can process more than 1000ppm influent BOD”</i></p> <p>To</p> <p><i>“designed and constructed such that its footprint occupies the area provided but still can process more than 350ppm influent BOD”</i></p>
7.	<p>Please clarify Terms of Reference & Technical Specifications, Item #6 Project Specifications, under sub-item 6.4.2 Influent Water Characteristics:</p> <p><i>Total Suspended Solids (TSS) Influent Characteristic: Original: 3,150 mg/L Propose to revise to: 350 mg/L</i></p> <p>Please take note that the Influent concentration for the TSS is equivalent or less than the BOD loading. We believe that the original input value is just a typographical error.</p>	<p>Revised to “> 350mg/L”</p> <p>This amends Item No. 6.4.2 Influent Water Characteristics, Total Suspended Solids (TSS)</p>
8.	<p>Please provide the Invert elevation of the sewer line of the existing buildings to be tapped in the centralized STP. This is required for us to consider if we need to construct a Lift Station prior to the STP.</p>	<p>No need to provide lift station since proposed location of the STP is at the lowest portion in the area.</p> <p>Bidder is suggested to conduct site inspection for further verification.</p>
9.	<p>Is the sewer pipe laying of the existing buildings to be tapped in the centralized STP included under this contract?</p>	<p>Yes, this is included in the design and build contract.</p>
10	<p>Who will do the STP discharge line to the nearest drainage? If this is included under this contract, please provide the location and the length of the nearest drain from the STP.</p>	<p>STP discharge line to the nearest drainage is included in the design and build contract. Nearest drain can be found at East Avenue located at approximately 2 meters measured from SSS property line.</p>

		Bidder is suggested to conduct site inspection for further verification.
11	<p>Propose to revise Terms of Reference & Technical Specifications, Item #6 Project Specifications, under sub-item 6.5 Sewage Treatment Plant (STP) Unit Process Description: Paragraphs 4-7, the STP process flow is specifically for MBBR. The contract is for a Design and Build scheme. If you will retain these paragraphs, it already screened the number of prospective bidders and bidders' offering and capabilities. There are also other STP treatment technologies that can fit in the area provided and can pass/comply to the DENR General Effluent Standards (GES) for Class "C" waters. With this, we propose to retain the paragraphs 1-3 and revise paragraphs 4-7 with the following:</p> <p>The STP process may include the pre-treatment, primary, secondary, and tertiary treatment of the wastewater. Technologies being offered by the contractor may omit or change to its equivalent any of the mentioned processes, provided that the discharge of wastewater into water bodies is compliant with the DENR effluent standards.</p> <ul style="list-style-type: none"> <i>Pre-treatment may include at the minimum, screens, grit removal, flow equalization, and oil and grease removal.</i> <i>Primary Treatment may include at the minimum, primary settling basins, primary sedimentation tanks or primary clarifiers. The purpose of requiring primary treatment of the wastewater is to remove floating and settleable solids in the wastewater. If the proposed treatment process has an equivalent process that meets the same objective of reducing floating and settleable solids in the wastewater, then a primary settling basin/tank can be dispensed with. The proposal to dispense the primary sedimentation tank will be considered if it complies with the intended purpose of the primary sedimentation tank, which is to remove floating and settleable</i> 	<p>The process description shown in the Terms of Reference is for MBBR which is what was considered in the project. However, Bidder may propose another technology as long as the proposed technology is compliant with the requirements as specified in the Terms of Reference</p> <p>As required in the bidding documents, Bidder must submit the preliminary conceptual plan, design and construction methodology, and value engineering analysis for their proposed technology which describes their process flow and pertinent details of the technology they deem appropriate for SSS.</p>

	<p><i>solids in the wastewater, if this be the case, then a primary settling tank can be dispensed with.</i></p> <ul style="list-style-type: none"> • <i>Secondary Treatment may either be a fixed film or attached growth systems, suspended growth systems or a hybrid or combination thereof.</i> • <i>Tertiary Treatment may include disinfection or effluent polishing before finally discharging to the body of water or reclamation for reuse.</i> 	
12	<p>Propose to revise Bill of Quantities, under II. Construction Stage, and sub-item #4 Supply & Installation of Equipment:</p> <p>Items listed here should be deleted since the project is a Design and Build Contract. The bidder should be the one to fill-in the equipment (and quantities) based on their proposed technology.</p>	<p>Revised Bill of Quantities (BOQ), II. Construction Stage Item #4 Supply & Installation of Equipment Quantity to "1 lot"</p> <p><u>Bidder must submit detailed cost estimates of all equipment to be supplied and installed as supporting document of the BOQ</u></p> <p><u>Bidder must submit detailed cost estimates for all items in the BOQ with quantity of 1 lot</u></p> <p>Revised BOQ is attached.</p>
13	<p>Propose to revise Bill of Quantities, under IV. Operation and Maintenance Stage, and sub-item #3 Chemicals and Consumables:</p> <p>Propose to delete the highlighted portion:</p> <p>3.a Supply of Chemicals (e.g. Calcium Hypochlorite) 3.b Supply of Consumables (e.g. Ammonia Buster A, Ammonia Buster B, Nitrates Buster, Phosphate Binder, Post Chlorinator)</p> <p>The bidder/ contractor should be the one to fill-in the Chemicals and consumables based on their proposed treatment technology.</p>	<p>Highlighted portion in Item IV.3 of the Bill of Quantities deleted to minimize confusion.</p> <p>Revised to:</p> <p>3.a Supply of Chemicals 3.b Supply of Consumables</p> <p><u>Bidder must submit detailed cost estimates of all chemicals and consumables to be used in the operation and maintenance stage as supporting document of the BOQ</u></p> <p>Revised BOQ is attached.</p>

EVALUATION PROCEDURE

Bid Evaluation for this project shall follow RA9184 Annex "G" Guidelines for the Procurement and Implementation of Contracts for Design and Build Infrastructure Projects, to wit:

“11. BID EVALUATION

For the detailed evaluation of the design and build proposals **a two-step procedure shall be adopted** by the BAC, which may be undertaken with the assistance of the DBC.

11.1. First-Step Procedure:

- i. The first step of the evaluation shall involve the review of the preliminary conceptual designs and track record submitted by the contractor as indicated in the Bidding Documents using a **non-discretionary “pass/fail” criteria** that involve compliance with the following requirements:
 - a. Adherence of preliminary design plans to the required performance specifications and parameters and degree of details;
 - b. Concept of approach and methodology for detailed engineering, design and construction with emphasis on the clarity, feasibility, innovativeness and comprehensiveness of the plan approach, and the quality of interpretation of project problems, risks, and suggested solutions;
 - c. Quality of personnel to be assigned to the project which covers suitability of key staff to perform the duties of the particular assignments and general qualifications and competence including education and training of the key staff;
- ii. For complex or unique undertakings, such as those involving highly specialized or advanced engineering technology, eligible bidders may be required, at the option of the agency concerned, to make an oral presentation within fifteen (15) calendar days after the deadline for submission of technical proposals.

11.2. Second-Step Procedure:

Only those bids that passed the above criteria shall be subjected to the second step of evaluation.

The BAC shall open the financial proposal of each “passed” bidder and shall evaluate it using non-discretionary criteria - including arithmetical corrections for computational errors - as stated in the Bidding Documents, and thus determine the correct total calculated bid prices. The BAC shall automatically disqualify any total calculated bid price which exceeds the ABC. The total calculated bid prices (not exceeding the ABC) shall be ranked, in ascending order, from lowest to highest. The bid with the lowest total calculated bid price shall be identified as the Lowest Calculated Bid (LCB).”