ZCWD SBAC SSTP SUPPLEMENTAL BID BULLETIN NO. 2024-04

Subject: PR No. 23-0204 – Proposed Design, Build, Testing & Commissioning of 4,000 Cu. M. per Day Sewage & Septage Treatment Plant

This ZCWD SBAC SSTP SUPPLEMENTAL BID BULLETIN is issued to clarify, modify, or amend items in the issued Bidding Documents for the above-subject procurement in view of the **Pre-Bid Conference** last September 19, 2024, at the Board Room,2nd Floor, ZCWD Bldg.,Pilar Street, Zamboanga City and via Zoom Video Conferencing.

This Supplemental is issued in line with Government Procurement Policy Board (GPPB) Circular 02-2018 (March 9, 2018), to "***minimize the occasions of bidders' disqualification due to non-compliance with bidding requirements,***" particularly 4.2.2 which states, ***"The BAC shall likewise discuss the common reasons of bidders' disqualifications based on its experiences in previous procurement projects. Accordingly, the BAC shall present and explain the ways to prevent similar occasions of disqualification."***

	Provisions for clarification:	Clarifications:
1.	Section 6.2.5 – The Non-Performance Damages (NPD) shall be calculated as follows: NPD = (Actual OPEX – Guaranteed OPEX) x 9.077 - 25 years (Useful life of SSTP) - 10% (social discount rate) - 5%- annual inflation rate	6.2.4 xxxxxxxxxxxx If after such modification, the computed actual annual operation cost during the process proving period (including but not limited to costs of labor, chemicals, electric energy) exceed the quoted operation cost and the given variance, the difference, extrapolated linearly up to 25 years using the average design plant loading and an **inflation rate shall be based on the Consumer Price Index issued by Banko Sentral ng Pilipinas at the time the SSTP to be turned over to ZCWD** and discounted to present value at a discounting rate of 10%, shall be charged to the Contractor's collectibles and to the Performance Bond if the former is not enough. 6.2.5. The variance in the OPEX cost will serve

		as the basis for the computation of the Non-Performance Damages (NPD). The computation for Non-Performance Damages shall adopt the following factors: - 25 years (Useful life of SSTP) - 10% (social discount rate based on Investment Coordination Committee) - annual inflation rate shall be based on the Consumer Price Index issued by the Banko Sentral ng Pilipinas at the time the SSTP to be turned over to ZCWD Hence, the simplified NPD formula below shall not be applicable: NPD = (Actual OPEX – Guaranteed OPEX) x 9.077 The computation of the difference in actual as against guaranteed OPEX shall be in accordance with the provision of section 6.2.4 as mentioned in this Supplemental Bid Addendum.
2.	12. Sewage Analysis	Attached are the latest Wastewater Test Result as of March 2024 & May 2024 for reference in this procurement.
3.	Section 2.3.1.2	Corrected tables for Section 2.3.1.2 are shown below the table.
4.	The minimum key personnel	The minimum key personnel for project shall be in accordance with this Addendum (see below).
5.	Special PCAB License	Updated 2016 Revised IRR of RA 9184, Section 23. Eligibility Requirements for the Procurement of Goods and Infrastructure Projects, 23.1 (a) (vi) "In the case of procurement of Infrastructure Projects, a valid Philippine Contractors Accreditation Board (PCAB) License or Special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract to be bid." Refer to below for proper compliance: GPPB RESOLUTION NO. 10-2019 ON THE

		NON-ACCEPTABILITY OF TEMPORARY PCAB LICENSE AS AN ELIGIBILITY REQUIREMENT GPPB CIRCULAR 04-2019 22 April 2019, Clarification on the acceptability of a Temporary PCAB License as a requirement in government procurement activities WHEN TO SUBMIT: The submission of the Special PCAB license for JV bidders is required pursuant to Section 38 of RA 4566 and Section 3.5 of its associated IRR as part of the technical eligibility documents to be submitted, **together with the bid proposal, on or before the deadline for submission and receipt of bids.**
5.	PCAB License Classification	GB-2 (Sewerage or Sewage System) Per PCAB Categorization – Classification Table Size Range: Medium B License Category: A
6.	Joint Venture Agreement (JVA)	Updated 2016 Revised IRR of RA 9184, Section 23. Eligibility Requirements for the Procurement of Goods and Infrastructure Projects, (b) Class "B" Document, "For Infrastructure Projects, JV bidders shall submit a JVA in accordance with R.A. 4566 and its IRR. Each partner of the joint venture shall submit their respective PhilGEPS Certificates of Registration in accordance with Section 8.5.2 of this IRR. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance: Provided, That the partner responsible to submit the NFCC shall likewise submit the Statement of all of its ongoing contracts and Audited Financial Statements."
6.	Single Largest Completed Contract (SLCC)	Updated 2016 Revised IRR of RA 9184, Annex "G", 9.2 ii Eligibility Criteria: a) The eligibility of design and build contractors shall be based on the legal, technical and financial requirements abovementioned. In the technical requirements, the design and build contractor (as solo or in joint venture/consortia)

		should be able to comply with the experience requirement under the IRR of R.A. 9184, where one of the parties (in a joint venture/consortia) should have at least one similar project, both in design and construction, with at least 50% of the cost of the ABC.
7.	Variation Order	Updated 2016 Revised IRR of RA 9184, Annex "G" 13.4 Any errors, omissions, inconsistencies, inadequacies or failure submitted by the contractor that do not comply with the requirements shall be rectified, resubmitted and reviewed at the contractor's cost. If the Contractor wishes to modify any design or document which has been previously submitted, reviewed and approved, the contractor shall notify the procuring entity within a reasonable period of time and shall shoulder the cost of such changes. 13.5 As a rule, changes in design and construction requirements shall be limited only to those that have not been anticipated in the contract documents prior to contract signing and approval. The following guidelines shall govern approval for change or variation orders: i. Change Orders resulting from design errors, omissions or nonconformance with the performance specifications and parameters and the contract documents by the contractor shall be implemented by the contractor at no additional cost to the procuring entity. ii. Provided that the contractor suffers delay and/or incurs costs due to changes or errors in the procuring entity's performance specifications and parameters, he shall be entitled to either one of the following: a) an extension of time for any such delays under Section 10 of Annex "E"; or

<table>
<tr><td></td><td></td><td>b) payment for such costs as specified in the contract documents, provided, that the cumulative amount of the variation order does not exceed ten percent (10%) of the original contract price.</td></tr>
<tr><td>8.</td><td>Section 6.1.3 Effluent Quality Discharge and Section 6.1.4</td><td>6.1.3 The effluent quality discharged from the SSTP shall comply with the standards set by DENR Administrative Order (DAO) No. 2016-08, May 24, 2016 as amended by DAO 2021-19 for Class C Freshwater Body.

<table><tr><th>Parameters</th><th>Units</th><th>Effluent Limits</th></tr><tr><td>Ammonia as NH_3-N</td><td>mg/l</td><td>4</td></tr><tr><td>BOD_5</td><td>mg/l</td><td>50</td></tr><tr><td>Nitrate as NO_3-N</td><td>mg/l</td><td>14</td></tr><tr><td>Phosphate</td><td>mg/l</td><td>4</td></tr><tr><td>Surfactants</td><td>mg/l</td><td>15</td></tr><tr><td>Oil and Grease</td><td>mg/l</td><td>5</td></tr><tr><td>Fecal Coliforms</td><td>MPN/100 ml</td><td>400</td></tr></table>Table 7 Significant Effluent Quality Parameters for Sewerage (Operation of Sewer Systems or Sewage Treatment Plant Facilities that Collect, Treat and Dispose of Sewage)

6.1.4 Notwithstanding the above requirements, this project will require the STP to produce better effluent quality such that the BOD5 shall be 30 mg/l, Fecal Coliform of 200 MPNB/100 ml and Total Coliforms shall be 3,000 MPN/100 ml or better.</td></tr>
<tr><td>9.</td><td>Preparation of the Bill of Quantities and Detailed Cost Estimates</td><td>The preparation of the Bill of Quantities and Detailed Cost Estimates of the bidders shall follow the DPWH Department Order No. 197, Series of 2016.</td></tr>
</table>

These clarifications shall form an integral part of the Bidding Documents. All items, conditions and instruction to bidders specified in the Bidding Documents inconsistent with this Supplemental Bid Bulletin are hereby superseded and modified accordingly.

Important Notes:

It is the responsibility of the bidder to take steps to carefully examine all of the Bidding Documents. The Procuring Entity shall not assume any responsibility regarding erroneous interpretations or conclusions by the prospective or eligible bidder out of the data furnished by the Procuring Entity.

A prospective eligible bidder must be responsible for having: 1. Taken steps to carefully examine all of the bidding documents; 2. Acknowledged all conditions, local or otherwise, affecting the implementation of the contract; 3. Made an estimate of the facilities available and needed for the contract to be bid, if any; and 4. Complied with his responsibility that it shall be the responsibility of all those who have properly secured the bidding documents to inquire and secure supplemental/bid bulletins that may be issued by the BAC (Government Procurement Manual Volume 3).

Failure to observe any of the above responsibilities shall be at the risk of the prospective bidder concerned. The Procuring Entity shall not be responsible for any erroneous interpretation or conclusions by the prospective or eligible bidders of the data it furnished (Government Procurement Manual Volume 3).

For guidance and information of all concerned.

ATTY. VINCENT F. FERNANDEZ
Chairperson
Bids and Awards Committee

Posting date: September 24, 2024
Posted in the Phil-GEPS, ZCWD Website & Bid Bulletin

Corrected Table in Section 2.3.1.1:

2.3.1.1. In relation to the Projected Monthly Operating Expense computed for the next 25 years, the following shall also be submitted as a functional guarantee which shall form part of the contract:

b.1 Guaranteed Power Consumption

Power Usage	kW/m^3 wastewater		kW/day	
	0- 1.99 MLD	2-4 MLD	0- 1.59 MLD	2-4 MLD
Base Power (not influenced by inlet flow)				
Main process (liquid stream)				
Sludge Treatment				

b.2 Guaranteed Chemical Consumption

Chemical Usage	L/m^3 wastewater		L/day	
	0- 1.99 MLD	2-4 MLD	0-1 MLD	2-4 MLD
Main process (liquid stream)				
Sludge Treatment				

b.3 Guaranteed Sludge generation

Sludge generation	m^3 sludge/m^3 wastewater		m^3 sludge/day	
	0- 1.99 MLD	2-4MLD	0- 1 MLD	2-4 MLD
Sludge				

The Minimum Key Personnel

For Design Phase:

Key Personnel	General Experience	Relevant Experience
Sanitary Engineer or Environmental Engineer	5 years	3 years
Civil Engineer	5 years	3 years
Professional Mechanical Engineer	5 years	3 years
Professional Electrical Engineer	5 years	3 years
Architect	5 years	3 years

For Construction Phase:

Key Personnel	General Experience	Relevant Experience
Project Manager	5 years	3 years
Project Engineer	5 years	3 years
Sanitary Engineer or Environmental Engineer	5 years	3 years
Civil Engineer	5 years	3 years
Professional Mechanical Engineer	5 years	3 years
Professional Electrical Engineer	5 years	3 years
Geodetic Engineer	5 years	3 years
Safety Officer	5 years	3 years
Accredited Materials Engineer (ME-II)	5 years	3 years
Certified Material's Laboratory Technician	N.A.	N.A.
Construction Foreman	5 years	3 years

12. Sewage Analysis

Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY – IX
Regional Standards and Testing Laboratories
Petit Barracks, Zamboanga City
Contact number: 991-1024 | E-mail: ord@ro9.dost.gov.ph

PAB ACCREDITED TESTING LABORATORY PNS ISO/IEC 17025:2017 LA-2005-07SE

TEST REPORT

TSR Number	:	R9-032024-CHE-0166
Date Submitted	:	March 13, 2024
Date Analyzed	:	March 13 – 20, 2024
Sample Submitted	:	*Wastewater*
Sample Descriptions	:	*Source: East Pumping Station* *Date and Time of Sampling: March 13, 2024 at 09:00 AM* in two PET bottles with approximately 1 L in each, turbid, and two wide mouth glass jars with approximately 800 mL in each, turbid. For in-house monitoring purposes only.
Submitted by	:	***ZAMBOANGA CITY WATER DISTRICT***
Address	:	*Pasonanca, Zamboanga City*

CHEMICAL / PHYSICAL TEST RESULT(S):

PARAMETER	RESULT	TEST METHOD
pH	6.78 @ 25 °C	Electrometric Method, SMEWW[1] 4500-H+ B., 23rd Ed., 2017
Oil and Grease, mg/L	51.7*	Liquid-Liquid, Partition-Gravimetric Method, SMEWW[1] 5520 B., 23rd Ed., 2017
Biochemical Oxygen Demand, mg/L	594*	Incubation (Dilution Technique) Method, SMEWW[1] 5210 B., 23rd Ed., 2017
Phosphate, mg/L	1.30*	Vanadomolybdophosphoric Acid Colorimetric Method, SMEWW[1] 4500-P C., 23rd Ed., 2017
*****Nothing Follows*****		

[1]SMEWW -Standard Methods for the Examination of Water and Wastewater, APHA/AWWA/WEF
*Not PAB accredited

REMARKS:

- This report is based on the samples received by this office and should not be used for advertising purposes or sales promotion nor as basis for tariff or customs classification of imported commodity.
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Analyzed by:

NOEL T. ARQUIZA, RCT
PRC Reg. No.: 0001440
Approved Signatory

Analyzed and Certified by:

JANICE T. ONG, RCh
PRC Reg. No.: 0010271
Approved Signatory

Approved for release:

JULIUS T. FOJAS
Deputy Laboratory Head

Report Number : **03272024-CHE-0328**
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Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY – IX
Regional Standards and Testing Laboratories
Pettit Barracks, Zamboanga City
Contact number: 991-1024 | E-mail: ord@ro9.dost.gov.ph

PAB ACCREDITED TESTING LABORATORY PNS ISO/IEC 17025:2017 LA-2006-0708

TEST REPORT

TSR Number	:	R9-032024-CHE-0166
Date Submitted	:	March 13, 2024
Date Analyzed	:	March 13 – 20, 2024
Sample Submitted	:	*Wastewater*
Sample Descriptions	:	*Source: West Pumping Station,* *Date and Time of Sampling: March 13, 2024 at 09:00 AM* in two PET bottles with approximately 1 L in each, turbid, and two wide mouth glass jars with approximately 800 mL in each, turbid. For in-house monitoring purposes only.
Submitted by	:	***ZAMBOANGA CITY WATER DISTRICT***
Address	:	*Pasonanca, Zamboanga City*

CHEMICAL / PHYSICAL TEST RESULT(S):

PARAMETER	RESULT	TEST METHOD
pH	6.98 @ 25 °C	Electrometric Method, SMEWW[1] 4500-H+ B., 23rd Ed., 2017
Oil and Grease, mg/L	8.32*	Liquid-Liquid, Partition-Gravimetric Method, SMEWW[1] 5520 B., 23rd Ed., 2017
Biochemical Oxygen Demand, mg/L	1,697*	Incubation (Dilution Technique) Method, SMEWW[1] 5210 B., 23rd Ed., 2017
Phosphate, mg/L	0.710*	Vanadomolybdophosphoric Acid Colorimetric Method, SMEWW[1] 4500-P C., 23rd Ed., 2017
*****Nothing Follows*****		

[1]SMEWW -Standard Methods for the Examination of Water and Wastewater, APHA/AWWA/WEF
*Not PAB accredited

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Approved for release:

JULIUS T. FOJAS
Deputy Laboratory Head

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