

# **BIDS AND AWARDS COMMITTEE**

### SECTION I - INVITATION TO RE-BID

### ONE (1) - YEAR CONTRACT FOR THE DAILY OPERATION AND MAINTENANCE SERVICE OF THE PICC' SEWAGE TREATMENT PLANT

The Philippine International Convention Center (PICC), through its Approved Budget for CY 2021, intends to apply the sum **EIGHT HUNDRED THIRTY-FOUR THOUSAND NINE HUNDRED PESOS (P834,900.00)**, being the Approved Budget for the Contract (ABC) of the abovementioned project. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The PICC now invites bids for the above procurement of the abovementioned requirement. Contract duration is for one (1) year. Bidders should have completed, within the last ten (10) years from the date of submission and receipt of bids, a contract similar to the project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II – Instruction to Bidders.

Bidding will be conducted through open competitive bidding procedures using a non-discretionary "*Pass/Fail*" criterion as specified in the 2016 Revised Implementing Rules and Regulations (RIRR) of Republic Act (RA) 9184, otherwise known as the "Government Procurement Reform Act". Bidding is open to all interested bidders, subject to the conditions for eligibility as provided in the RIRR of RA 9184.

Prospective bidders may obtain further information from the PICC-BAC and inspect the Bidding Documents at the address given below during office hours.

A complete set of Bid Documents may be acquired by interested Bidders from March 8, 2021 to 9:30 a.m. of March 29, 2021, from the given address and website below and upon payment in cash of a non-refundable fee, pursuant to the latest guidelines issued by the GPPB, in the amount of NINE HUNDRED PESOS (P900.00). It may also be downloaded, free of charge, from the website of the Philippine Government Electronic Procurement System (Phil-GEPS) and the website of the Procuring Entity, provided that participating Bidders shall pay the applicable fee for the Bidding Documents.

The PICC-BAC will hold a Pre-Bid Conference on **March 15, 2021 at 10:00 a.m.**, at MR10 Third Floor, Delegation Building, PICC. Bids must be duly received by the BAC Secretariat, at the address specified below, on or before 9:30 a.m. of March 29, 2021. Late bids shall not be accepted.

Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.

Bid opening shall be conducted on **March 29, 2021**, at **10:00 a.m.** at MR10 Third Floor, Delegation Building, PICC. Bids will be opened in the presence of the bidders' representatives who choose to attend.

In case the Pre-bid Conference, the deadline for submission of the Bid Documents and the opening of bids fall on a non-working day, legal holiday or special non-working holiday, the activity involved shall be moved to 3:00 p.m. of the next working day. The PICC-BAC reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award, in accordance with Section 35.6 and 41 of the 2016 revised IRR of RA 9184, without thereby incurring any liability to the affected bidder or bidders.

For further information, please refer to: BIDS AND AWARDS COMMITTEE (BAC) PHILIPPINE INTERNATIONAL CONVENTION CENTER PICC Complex, Pasay City 1307 7894758, 7894759, and 7894760 Telefax No. 7894761

**MELPIN A. GONZAGA** Chairman

PHILIPPINE INTERNATIONAL CONVENTION CENTER PICC COMPLEX 1307 PASAY CITY



# **BIDDING DOCUMENTS**

# TITLE: ONE (1) - YEAR CONTRACT FOR THE DAILY OPERATION AND PREVENTIVE MAINTENANCE SERVICE OF PICC SEWAGE TREATMENT PLANT (STP) (Re-bid)

TOTAL ABC: **P834,900.00** 

Reference No. P.R. No. MSD-TSD-2020-12-002

ITB 2021 March 2, 2021

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# Section I. Invitation to Bid

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# Section III. Bid Data Sheet

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# **Bid Data Sheet**

| ITB Clause |  |
|------------|--|
| 1.1        | The Procuring Entity is<br>PHILIPPINE INTERNATIONAL CONVENTION CENTER (PICC)   |
| 1.2        | The lot(s) and reference is/are:   |
|            | ONE (1)-YEAR CONTRACT FOR THE DAILY OPERATION AND<br>PREVENTIVE MAINTENANCE SERVICE OF PICC SEWAGE<br>TREATMENT PLANT (STP)  |
| 2          | The Funding Source is:<br>PICC APPROVED BUDGET FOR CY 2021   |
| 5          | Eligible Bidders   |
|            | The following persons shall be eligible to participate in this bidding:  |
|            | a. Must be engaged in the business of operation and maintenance<br>of Sewage Treatment Plant (STP) for the last ten (10) years.  |
|            | <ul> <li>b. Must have an experience in the design, construction, operation<br/>and maintenance of STP using Sequential Batch-Bio Reactor<br/>technology for the last five (5) years.</li> </ul>  |
|            | c. Must have at least three (3) completed or on-going projects in<br>design, construction, operation and maintenance of STP using<br>Sequential Batch-Bio Reactor technology one of which has a<br>contract amount equivalent to 50% of the approved budget for<br>contract subject of this bid.   |
|            | d. Must be fully aware and updated on the current DENR/LLDA<br>policies and requirements on environmental compliance,<br>controlled values of wastewater standard parameters and can<br>prepare self-monitoring reports and other requirements.<br>Contractor must submit a copy of its Pollution Control Officer's<br>DENR/or LLDA accreditation certificate. |
| 5.4        | The Bidder must have completed, within the last ten (10) years a single contract, that is similar to this project the amount of which shall be at least fifty percent (50%) of the ABC.  |
|            | For this purpose, similar contract shall refer to operation and preventive maintenance service of sewage treatment plant.  |
| 7          | No further instructions.   |
| 8.1        | Subcontracting is not allowed.   |
| 8.2        | Not applicable.  |
| 8.1        | Sub-contracting is not allowed   |
| 9.1        | The PICC will hold a pre-bid conference on March 15, 2021 at 10:00 a.m.  |

| 10.1        | The PICC'S address is:   |  |  |
|-------------|--|--|--|
|             | Philippine International Convention Center<br>PICC Complex, 1307 Roxas Boulevard   |  |  |
|             | BAC Secretariat<br>Tel. No. 7894759; Telefax: 7894761<br><u>picc-bac@picc.gov.ph</u>   |  |  |
| 12.1(a)     | No further instructions.   |  |  |
| 12.1(a)(ii) | The bidder's SLCC similar to the contract to be bid should have been<br>completed within the last ten (10) years prior to the deadline for<br>submission and receipt of bids. The SLCC shall be supported with certified<br>photocopy of its Contract and Certificate of Completion and Acceptance<br>or Official Receipt /Sales Invoice issued for the contract.  |  |  |
| 13.1        | No additional requirements.  |  |  |
| 13.1(b)     | No further instructions.   |  |  |
| 13.1(c)     | No additional requirements.  |  |  |
| 13.2        | The ABC is <b>EIGHT HUNDRED THIRTY-FOUR THOUSAND NINE</b><br><b>HUNDREED PESOS (₱834,900.00).</b> Any bid with a financial component<br>exceeding this amount shall not be accepted.   |  |  |
| 15.4(a)(iv) | No incidental services are required.   |  |  |
| 15.4(b)     | No incidental services are required.   |  |  |
| 16.1(b)     | Bid Currencies<br>The bid prices shall be quoted in Philippine Pesos.  |  |  |
| 16.3        | Payment shall be made in Philippine Pesos.   |  |  |
| 17.1        | Bid Validity Period  |  |  |
|             | Bids will be valid for one hundred twenty (120) calendar days from the date of opening of bids.  |  |  |
| 18.1        | <ul> <li>The bid security shall be;</li> <li>Notarized Bid Securing Declaration; or</li> <li>Cash or Cashier's/Manager's check (confirmed by universal or commercial bank), in an amount equivalent to 2% of the ABC; or</li> <li>Bank draft/guarantee issued by a Universal or Commercial Bank in the amount of 2% of the ABC; or</li> <li>Surety Bond, callable upon demand and issued by a surety or insurance company in the amount of not less than5% of the ABC, with attached certification issued by the Office of the Insurance Commission that said insurance company is authorized to issue such security.</li> </ul> |  |  |
| 18.2        | The bid security shall be valid for one hundred twenty (120) calendar days from the date of opening of bids.   |  |  |

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| 20.3         | Each Bidder shall submit One (1) original copy and two (2) duplicate copies of the Eligibility documents and the Financial Bid Proposal signed by the bidder and/or the authorized representative.  |  |  |  |
|--------------|---|--|--|--|
| 21           | The address for submission of bids is:  |  |  |  |
|              | PICC-Bids and Awards Committee (BAC) Secretariat  |  |  |  |
|              | Ground Floor, Delegation Building<br>PICC Complex, 1307 Pasay City  |  |  |  |
|              | The deadline for submission of bids is March 29, 2021 at 9:30 a.m.  |  |  |  |
| 24.1         | The place of bid opening is:  |  |  |  |
|              | BAC CONFERENCE ROOM<br>MR10 3 <sup>rd</sup> Floor, Delegation Building<br>PICC Complex, Pasay City 1307   |  |  |  |
|              | The date and time of bid opening is March 29, 2021 at 10:00 a.m.  |  |  |  |
| 24.2         | No further instructions.  |  |  |  |
| 24.3         | No further instructions.  |  |  |  |
| 27.1         | No further instructions.  |  |  |  |
| 28.3(a)      | Partial bids are not allowed.   |  |  |  |
| 28.4<br>29.2 | No further instructions.  |  |  |  |
|              | <ul> <li>Within a non-extendible period of five (5) calendar days from receipt by the bidder of the notice from the BAC that it submitted the LCB, the Bidder shall submit the following documentary requirements: <ul> <li>a. Certified photocopy of the CY 2019 Income and Business Tax Returns filed and paid through the BIR Electronic Filing and Payment System (eFPS);</li> <li>b. Sections III and V of the bid documents, signed on each and every page by the bidder's authorized representative;</li> <li>c. Company Profile with Organizational Chart and sketch of office location;</li> <li>d. Resume of company's key officer and technical personnel detailing the skills and technical experience;</li> <li>e. LLDA Accreditation certificate of its Pollution Control Officer;</li> <li>f. Certification from PICC' Mechanical Services Division that the participating bidder has conducted ocular inspection of the equipment that are included in the scope of work and the equipment' vicinity.</li> <li>g. Certificate of Satisfactory Completion &amp; Acceptance of previous PICC projects undertaken within the last three (3) years, if any.</li> </ul> </li> <li>Failure of the bidder declared as lowest calculated bid to submit the above requirements or a finding against the veracity of such shall be ground for forfeiture of the bid security and disqualification of the bidder for award.</li> </ul> |  |  |  |
| 32.4         | No additional requirements  |  |  |  |

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# Section V. Special Conditions of Contract

| GCC Clause |  | · · · ·  |  |
|------------|--|--|--|
| 1.1(g)     | The Procuring Entity is <i>The</i> <b>Philippine International Convention</b><br><b>Center (PICC)</b>  |  |  |
| 1.1(j)     | The Supplier is [to be inserted at the time of contract award].  |  |  |
| 1.1(j)     | The Funding Source is:   |  |  |
|            | PICC APPROVED BUDGET FO  | R CY 2021  |  |
| 1.1(k)     | The Project Site is PICC Comple.   | x, 1307 Pasay City   |  |
| 5.1        | The PICC's address for Notices i   | s:   |  |
|            | PICC-Bids and Awards Comn<br>PICC Complex, 1307 Pasay C  |  |  |
| 6.2        | Implementation of the project shall be made by the Contractor in accordance with the terms specified in Section VI – Schedule of Requirements. For purposes of this Clause the Authorized Representative of PICC is Engr. Mario B. Macanas, Asst. Director MSD – TSD.  |  |  |
| 10.4       | Payment shall be made in Philippine Pesos.   |  |  |
| 11.3       | PAYMENTS   |  |  |
|            | For the services to be undertaken by the CONTRACTOR in<br>accordance with the PICC specifications enumerated above, the<br>latter shall pay the former the contract amount on per month basis<br>for one (1) year period, inclusive of Expanded Value Added Tax (E-<br>VAT); payments to be made upon presentation of the billing and<br>submission of the required reports to the Mechanical Services<br>Division, Technical Services Department who, in turn, shall issue a<br>Certification of Acceptance and Full Satisfaction on Services<br>delivered by the CONTRACTOR, subject to the usual government<br>auditing and accounting rules and regulations. |  |  |
| 13         | Performance Security   |  |  |
|            | Within ten (10) calendar days from receipt of the Notice of Award,<br>but in no case later than the signing of the contract by both parties,<br>the successful Bidder shall furnish the performance security in any<br>of the following forms:   |  |  |
|            | Form of Performance Security   | Amount of Performance Security<br>(Equal to Percentage of the Total<br>Contract Price) |  |
|            | Cash or Cashier's/Manager's<br>Check issued by a Universal or<br>Commercial Bank.  | Five percent (5%)  |  |
|            | Bankdraft/guaranteeissuedby a Universal or CommercialFive percent (5%)BankBank   |  |  |

# Section V. Special Conditions of Contract

| Surety bond callable upon<br>demand issued by a surety or<br>insurance company duly<br>certified by the Insurance<br>Commission as authorized to<br>issue such security.   | Thirty percent (30%)   |  |
|--|--|--|
| The period of correction of defects is seven (7) calendar days from the date the contractor is notified in writing.  |  |  |
| Liquidated Damages<br>The applicable rate is one tenth (1/10) of one (1) percent of the cost<br>of the unperformed portion for every day of delay.<br>The maximum deduction shall be ten percent (10%) of the amount<br>of contract. Once the cumulative amount of liquidated damages<br>reaches ten percent (10%) of the amount of the contract, the PICC<br>shall rescind the contract, without prejudice to other courses of<br>action and remedies open to it. |  |  |
|  | demand issued by a surety or<br>insurance company duly<br>certified by the Insurance<br>Commission as authorized to<br>issue such security.<br>The period of correction of defect<br>the date the contractor is notified<br><b>Liquidated Damages</b><br>The applicable rate is one tenth (<br>of the unperformed portion for even<br>The maximum deduction shall be<br>of contract. Once the cumulative<br>reaches ten percent (10%) of the<br>shall rescind the contract, with |  |

# **Section VI. Schedule of Requirements**

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# **Section VI. Schedule of Requirements**

| Item<br>No. | Description Contract Duration |                                   |
|-------------|-------------------------------|-----------------------------------|
| 1           |                               | delivery shall be for a period of |

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

Name of Company / Bidder

Signature over printed Name of Authorized Representative

Position

Date

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# **Section VII. Technical Specifications**

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| Section | VII. | Technical | Specifications |
|---------|------|-----------|----------------|
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| Item<br>No. | Article /Description  | COMPLIANCE |
|-------------|---|------------|
|             | I. ONE (1) YEAR CONTRACT FOR THE DAILY OPERATION AND<br>MAINTENANCE SERVICE OF THE PICC'S SEWAGE TREATMENT<br>PLANT/SYSTEM  |            |
|             | II. SPECIFIC WORKS  |            |
|             | Supply of labor, expertise and supervision, provision of tools and instruments, repair equipment, personal protective equipment (PPE) and miscellaneous materials for the daily operation and preventive maintenance service of the PICC's Sewage Treatment Plant (STP)/System for a period of one year to include, but not limited to the following: |            |
|             | <ol> <li>Operate daily in automatic and/or manual mode (if<br/>necessary) and maintain regularly the 900 M<sup>3</sup> effluent<br/>volume flow rate - design capacity sewage treatment<br/>plant/system. This is to include the following process<br/>equipment including their controllers, pipings and<br/>accessories:</li> </ol>                 |            |
| 1           | <ul> <li>1.1. Three (3) units Sequencing Batch Reactor (SBR) air blowers complete with open-drive motor- 20 Hp, 460V, 23.7 A, 3 Phase, 60Hz., coupled with 5,000 mm/Hg, 12.9 M<sup>3</sup> /min. capacity air blower/ compressor and Programmatic Logic Controller</li> </ul>   |            |
|             | <ul> <li>(PLC), control safety devices and other accessories.</li> <li>1.2. Three (3) units Influent Submersible Pumps – 5 Hp, 460V, 7.2 A, 3 Phase, 10 Total Dynamic Head (TDH) and maximum volume flow rate capacity of 2 M<sup>3</sup> /min.</li> </ul>  |            |
|             | <ul> <li>1.3. Two (2) units Effluent Submersible Pumps – 5 Hp,<br/>460V, 7.2 A, 3 Phase, Total Dynamic Head (TDH) of<br/>10M maximum volume flow rate capacity of 2 M<sup>3</sup><br/>/min.</li> </ul>  |            |
|             | 1.4. Three (3) units Waste and Sludge Submersible<br>Pumps – 0.5 Hp, 460V, 0.85 A, 3 Phase  |            |
|             | 1.5. Two (2) units Tertiary or Re-use Pumps – Total<br>Dynamic Head (TDH) of 28M and maximum volume<br>flow rate capacity of 0.9 M <sup>3</sup> /min. coupled with a<br>drive motor - 5 Hp, 460V, 7.2A, 3 Phase, 60Hz.,   |            |
|             | <ol> <li>1.6. One (1) unit Sludge Digester Submersible Pumps –</li> <li>0.5 Hp, 460V, 0.85 A, 3 Phase</li> </ol>  |            |
|             | <ol> <li>Six (6) units Lift Stations Submersible Pumps – 2 Hp,<br/>230V, 7.2 A, 3 Phase, Total Dynamic Head (TDH) of<br/>8M maximum volume flow rate capacity of 0.72 M<sup>3</sup><br/>(min</li> </ol>   |            |
|             | /min.<br>1.8. Sludge Mechanical Filter Press (Manual Plate Shifting)<br>1.9. Influent's Bar Screen  |            |
|             | 1.10.Lift Station Nos. 1, 2 & 3<br>1.11.Equalization Tank   |            |
|             | 1.12.SBR 1, 2 & 3   |            |

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1.13.Contact Tank

1.14. Sludge Digester Tank

1.15.Re - use Tank

- 1.16.Sewer lines and service manholes
- 1.17.Tertiary Treatment Process System and it's allied Installations

2. Perform the following services for the above-mentioned equipment:

2.1. Operation

### 2.1.1 Sequencing Batch Reactor (SBR) Tank/s

- 1. Conduct daily inspection on the three (3) units SBR Tanks.
- Perform regular monitoring of the SBR Tank in operation. Take note on the quality of wastewater being treated. Be alarmed on abnormal color, odor and foam formation while influent is in settle or as being aerated.
- Manually remove floating plastic/s or any other solid wastes from the water surface using improvised waste catcher/remover.
- Regularly dewater the two (2) units stand by SBR tanks during rainy season to prevent build-up of algae and moss and deter breeding of mosquitoes inside the tanks. Coordinate with the ground maintenance for useful application of the contained water.
- Monitor growth and multiplication of the useful bacteria, sludge formation, influent feeding frequency, aeration as well as required transfer of surplus/excess sludge from the subject tank/s to the Sludge Digester Tank
- Monitor operation of the solenoid valve and other controllers for the Decant Process
- 7. Wear proper Personal Protective Equipment (PPE) in the performance of required activities/duties for safety.

### 2.1.2. Sequencing Batch Reactor (SBR) Air Blowers

- 1. Conduct daily inspection of the Air Blower that is scheduled for operation during shutdowns. That is, every 3-hr cycle time of the process operation.
- 2. Monitor operation
- 3. Change/rotate operation of the three (3) Air Blowers everyday and during emergency shutdown due to occurrence of any abnormality on the subject equipment/or its controller while it is in active operation.

|   | <ol> <li>Manually shift individual control valves of<br/>each three (3) Blower units to implement a<br/>change in operation. As designed, each<br/>units are dedicated for individual SBR tank<br/>only.</li> <li>Monitor regularly the operation using<br/>voltmeter and ammeter to determine actual<br/>operating condition of the subject<br/>equipment</li> </ol> |
|---|---|
|   | 2.1.3. Equalization Tank and Three (3) units<br>Influent Submersible Pumps  |
|   | <ol> <li>Conduct daily inspection on the three (3)<br/>Influent Submersible Pumps</li> <li>Observe/assess pumps' frequency of<br/>operation and efficiency. Regularly heck<br/>influent condition inside the Equalization<br/>Tank as well as level sensors'<br/>position/condition.</li> </ol>   |
|   | <ol> <li>Remove plastics and other solid wastes<br/>inside the tank to prevent clogging at the<br/>pumps/lines, stock - up and burn-out of<br/>drive motor.</li> <li>Alternately operate the subject pumps.</li> <li>Monitor regularly the operation using<br/>voltmeter and ammeter<br/>to determine actual operating condition of</li> </ol>                        |
|   | the submersible pumps.<br>2.1.4. Contact Tank and Two (2) units Effluent<br>Submersible Pumps   |
|   | <ol> <li>Conduct daily inspection of the Contact Tank<br/>for possible intrusion of solid wastes from<br/>the SBR and leaves of trees from the<br/>surrounding trees. Remove/ clean as<br/>needed.</li> </ol>   |
|   | <ol> <li>Conduct daily/hourly inspection of the two<br/>(2) Effluent Pumps and their controllers.</li> <li>Monitor regularly the operation of the<br/>subject effluent submersible pumps using<br/>voltmeter and ammeter to determine actual<br/>operating condition of the subject<br/>equipment</li> </ol>  |
|   | 2.1.5. Three (3) units Waste and Sludge<br>Submersible Pumps  |
|   | <ol> <li>Conduct periodic inspection on the three (3)<br/>Waste and Sludge Pumps.</li> <li>As the subject pumps are not yet used or<br/>seldom to be used, there is a need to<br/>conduct at least 5 seconds weekly test-runs<br/>to prevent stock-up of bearings.</li> </ol>   |
| - | <ol><li>Monitor the test-operations using voltmeter<br/>and ammeter</li></ol>   |

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to determine actual operating condition of the subject equipment

### 2.1.6. One (1) unit Sludge Digester Submersible Pumps

- Conduct periodic inspection of the Sludge Digester Pump.
- 2. As the subject pumps are not yet used or seldom to be used, there is a need to conduct at least 5 seconds weekly test-runs to prevent stock-up of bearings.
- Monitor the test-operations using voltmeter and ammeter to determine actual operating condition of the subject equipment

### 2.1.7. Re - use Tank/pipelines Two (2) units Tertiary or Re-use Pumps

- Conduct daily inspection of the Re-use Tank/pipelines and of the two (2) Tertiary or Re-use Pumps which are basically designed for the watering of plants using the sprinkler system. Take not of possible leakage/s on the concrete tank and at the pipelines.
- 2. Alternately operate the subject pumps.
- 3. Coordinate with the PICC Ground Maintenance personnel for the schedule of watering of plants.
- Monitor the operation of the subject Tertiary Pumps using voltmeter and ammeter to determine actual operating condition of the subject equipment

### 2.1.8. Three (3) units Lift Stations/pipelines and six (6) units Submersible Pumps

- Conduct daily inspection (to be conducted at the start and end of the two (2) daily shift schedules) on the three (3) Lift Stations and of the six (6) Submersible Pumps. Assess pumps' operating efficiency and condition of influent level sensors and their controllers via actual verification at site, by observation/recording of frequency and volume of influent flow/delivery from Lift Stations to the Equalization Tank or both. Conduct dailv inspection on the wastewater/influent pipelines for possible leak/s and cloggings.
- Monitor the operation of submersible pumps using voltmeter and ammeter to determine actual operating condition of the subject equipment

| 2.1.9. Sludge Mechanical Filter Press (Manual<br>Plate Shifting)   |  |  |  |  |
|--|--|--|--|--|
| <ol> <li>Before the start of sludge pressing<br/>operation, be sure that filter canvass are<br/>properly inserted and pressed to avoid<br/>unwanted leakage.</li> <li>Check alignment and tightness of plate<br/>contacts. Retighten adjuster if found<br/>necessary.</li> <li>Observe cleanliness and proper handling of<br/>caked sludge. Be sure that manually<br/>scrapped filtered and pressed sludge are<br/>initially deposited at the provided Stainless<br/>steel pan. Dump waste sludge only at an<br/>environmentally safe/appropriate area<br/>designated for the purpose.</li> <li>Assist DENR/LLDA accredited Transporter<br/>and Treater during the hauling of the caked<br/>sludge for proper treatment and disposal.</li> </ol> |  |  |  |  |
| 2.1.10. Influent's Bar Screen  |  |  |  |  |
| <ol> <li>Check - up Bar Screen upon start of duty of<br/>each shift operator. Be sure that the Bar<br/>Screen is seating properly at the bottom of<br/>the metal framing to ensure trapping of solid<br/>wastes from the raw influent.</li> <li>Monitor inflow of raw wastewater/influent<br/>from Lift Stations.<br/>Remove immediately all solid wastes that are<br/>trapped in the screen to prevent being<br/>clogged and possible overflow.</li> <li>Immediately wash/rinse the Bar<br/>Screen/enclosure at the end of every<br/>wastewater delivery/inflow to prevent build-<br/>up of dirt and emission of foul odor.</li> </ol>  |  |  |  |  |
| 2.1.11. Tertiary Treatment Process System and allied Installations   |  |  |  |  |
| <ol> <li>Conduct daily inspection on the Coagulant<br/>Tank and Flocculation Tank for possible<br/>intrusion of leaves of trees from the<br/>surrounding trees. Remove/ clean as<br/>needed.</li> <li>Monitor the operation of the subject Dosing<br/>Pump/s using voltmeter and ammeter to<br/>determine actual operating condition of the<br/>subject equipment.</li> <li>Monitor automatic process operation of the<br/>Tertiary Treatment Process as programmed<br/>in the PLC.</li> </ol>   |  |  |  |  |
| 2.2. Other Operation-related services  |  |  |  |  |

| <ol> <li>In the occurrence of voltage fluctuation/or<br/>power failure, manually reset the<br/>bell/alarm as well as the equipment control<br/>system (if necessary). Coordinate with the<br/>assigned electrical/or mechanical<br/>technicians at the main powerhouse<br/>building on the cause and expected<br/>duration of power interruption for the on-<br/>time resumption of operation.</li> </ol> |                   |                               |  |  |
|---|-------------------|-------------------------------|--|--|
| <ol> <li>Shut down process equipment found to be<br/>operating beyond<br/>normal limits in terms of ampere-drawn,<br/>observed/ noticed to be in abnormal<br/>operating condition and those that failed to<br/>operate in normal sequence as programmed<br/>until corrective action/s are done.</li> </ol>  |                   |                               |  |  |
| 3. Monitor automatic process operation of the<br>STP as programmed in the PLC. Adapt the<br>most efficient and effective operating<br>system that would ensure continuous<br>compliance on the new General Effluent<br>Standard (GES) parametric values as set by<br>the Department of Environment and Natural<br>Resources (DENR) and of the Laguna Lake<br>Development Authority (LLDA):                |                   |                               |  |  |
| Parameters  | Unit              | DENR<br>Effluent<br>Standards |  |  |
| Biological Oxygen Demand, BOD   | mg/L              | 50                            |  |  |
| Chemical Oxygen Demand, COD   | mg/L              | 100 <sup>·</sup>              |  |  |
| Total Suspended Solids, TSS   | mg/L              | 100                           |  |  |
| Oil and Grease  | mg/L              | 5.0                           |  |  |
| Color   | NTU               | 150                           |  |  |
| Total Coliform  | MPN/<br>100m<br>L | 10.000                        |  |  |
| рН  |                   | 6.5-9.0                       |  |  |
| Chloride  | mg/L              | 350                           |  |  |
| Nitrate as NO3-N  | mg/L              | 14                            |  |  |
| Phosphate   | mg/L              | 1                             |  |  |
| Ammonia as NH <sub>3</sub> -N   | mg/L              | 0.5                           |  |  |
| Fecal Coliform  | MPN/<br>100m<br>L | 400                           |  |  |
| Sulfactants (MBAS)  | mg/L              | 15                            |  |  |
| 4. Assist the pollution Control Officer (PCO) of<br>PICC in the preparation of quarterly Self-  |                   |                               |  |  |

| Monitoring Report (SMR) on water component as required by the Laguna Lake Development Authority.  |
|---|
| <ol> <li>Assists in conducting quarterly or as needed<br/>effluent sampling for laboratory analysis by a<br/>DENR/LLDA accredited service provider as part<br/>of the process and effluent quality monitoring<br/>system.</li> <li>Assists in the processing of renewal of LLDA<br/>Discharge Permit.</li> </ol>  |
| <ol> <li>Records day-to-day activities and operating<br/>conditions of all the process equipment and of<br/>the STP as a whole for reference. The daily<br/>volume of decanted or treated wastewater as<br/>metered/recorded at the decant pump's<br/>discharge flow meter must be included in the<br/>daily recording.</li> </ol>  |
| 8. Weekly (or as needed) taking of SBR water with sludge to determine the sludge level or Sludge Volume Index (SVI). Maximum level of sludge as read from graduated cylinder for an hour settlement is 300ml/L of the sample water. This is an indication that there is already a need for reduction of the existing sludge on the SBR tank for an ideal influent treatment process operation.  |
| 9. Monthly taking of water samples from SBR water for pH and Dissolve Oxygen (D.O.). The pH and the D.O. of the SBR water must be maintained at normal ranges of 6.5-8.5 and 2-5 mg/L/ppm respectively. Also, monthly sampling of effluent shall be done by the Contractor for laboratory testing/analysis. Said effluent sample/s could be tested/analyzed by a third party testing laboratory to be contracted by the winning Contractor. The cost of laboratory analysis shall be shouldered by the said Contractor. |
| <ul> <li>10. Prepare and submit monthly STP Monitoring<br/>Report outlined as follows: <ol> <li>Plant Operation Status</li> <li>Flow Monitoring Report</li> <li>Process Equipment Monitoring</li> </ol> </li> <li>Process Operation Status <ol> <li>Process Operation Concerns</li> <li>Effluent Quality Monitoring/Result of<br/>laboratory <ol> <li>Analysis</li> <li>Attachments (site/inspection reports, PM servicing etc.)</li> </ol> </li> </ol></li></ul>   |
| •   |

| <b>n n n n n n n n n n</b> | Descentive Materia  |
|----------------------------|---|
| 2.3. Regular               | Preventive Maintenance  |
| 2.3.1.                     | Sequencing Batch Reactor (SBR) Tank/s,<br>Equalization Tank, ontact Tank, Lift<br>Stations, Re – use Tank & Accessories<br>and Tertiary Treatment Process System<br>and allied Installations  |
| Мо                         | nthly Check – up and Servicing  |
| 1.                         | Check and service water level sensors, solenoid valve and other control system to ensure reliability of operation.  |
| 2.                         | Perform routine maintenance checks on the piping system. Retighten loose pipe joints, bracket/s and supports.   |
| 3.                         |   |
| 4.                         | Service/clean the two (2) stand – by SBR<br>tanks. Remove dirt, tree leaves and any other<br>waste contained in these tanks. Scrape moss<br>or algae using metal scraper or other cleaning<br>device that would not damage the concrete<br>interior finish of the tanks. The Equalization<br>Tanks, Lift Stations, Contact Tank , Sludge<br>Digester Tank as well as the Re – use Tank<br>must be serviced/cleaned of dirt and other<br>solid wastes. |
| 5.                         | Clean surroundings of the subject tanks.  |
| Qua                        | arterly Check - up and Servicing  |
| 1.                         | Dewater the two stand – by tanks using portable submersible tanks or by using the built – in Waste and Sludge pump whichever is appropriate/or economical when the need arises.   |
| 2.                         | Service/clean inlet holes of the decant pipe for faster discharge of effluent during the decant stage/process.  |
| 3.                         | De – rust and repaint light fixtures, holders,<br>pipes and their supports and other accessories<br>atop the SBR tanks as well as the metal<br>stands and supports of the control panels of<br>the the three (3) Lift Stations. Paint and other<br>related materials will be supplied by the PICC.  |
| Ser                        | ni-Annual Check – up and Servicing  |
|                            | Transfer contained influent of SBR tank that is in operation for  |

|  | the past six months to give way for the check<br>-up and servicing of the air diffuser pipes and<br>vanes and other tank's accessories.<br>Service/clean the SBR tank interior, air<br>diffuser pipes and vanes.<br>Re-tight loose fittings and joints if found<br>necessary.  |
|--|--|
| An                                     | nual Check – up and Servicing  |
|  | De – rust and repaint light fixtures, holders,<br>pipes and their supports and other accessories<br>atop the SBR tanks as well as the metal<br>stands and supports of the control panels of<br>the the three (3) Lift Stations. Paint and other<br>related materials will be supplied by the PICC.<br>Conduct inspection/check – up on the<br>concrete tanks' finishes, top section<br>plastering/waterproofing for possible sign of<br>warping and peeling-off. Apply necessary<br>corrective maintenance using PICC-supplied<br>materials.   |
| 2.3.2.                                 | Air Blowers (Pump and Compressor<br>Assembly)  |
| Мо                                     | nthly Check – up and Servicing   |
| 2.<br>3.<br>4.<br>5.<br>6.<br>7.<br>8. | Check compressor-motor belt drives and their<br>alignment.<br>Check compressor oil level and sign of<br>leakage. Retighten loosened oil plugs and<br>refill if necessary.<br>Check level of noise and vibration of motor<br>and compressor. It must not be abnormal/or<br>excessive.<br>Check sign of possible deterioration of bearing<br>of the compressors and pumps. Replace<br>bearing if necessary.<br>Check air pressure gauges. Replace if found<br>defective<br>Check air control valves if leaky. Service and<br>clean or replace if found necessary.<br>Check and clean air suction filters using<br>appropriate cleaning agent and compressed<br>air.<br>Check air relief valve operation<br>Check electrical terminal connection on |
| 10.                                    | motor, control starter and circuit breaker.<br>Check and record motor insulation resistance,<br>drawn current and power supply/voltages.<br>Check water level sensors and the<br>programmable logic control system if all are<br>set and functioning in accordance with the<br>required design specifications or aeration<br>patterns of the air blowers.  |

|        | Quarterly Check - up and Servicing   |
|--------|--|
|        | <ol> <li>Check electrical terminal connection on<br/>motor, control starter and circuit breaker.<br/>Check and record motor insulation resistance,<br/>drawn current and power supply/voltages.</li> <li>Check holding bolts of the compressor-motor.<br/>Retighten loosened bolts if necessary.</li> <li>Lubricate motor and pump bearings.</li> <li>Check compressor oil level and sign of<br/>leakage. Retighten loosened oil plugs and/or<br/>loose fittings/connections. Refill if necessary.</li> <li>Check compressor-motor belt drives and<br/>their alignment.</li> <li>Check and clean air suction filters using<br/>appropriate cleaning agent and compressed<br/>air.</li> </ol> |
|        | Semi-Annual Check – up and Servicing   |
|        | <ol> <li>Check electrical terminal connection on<br/>motor, control starter and circuit breaker.<br/>Check and record motor insulation resistance,<br/>drawn current and power supply/voltages.</li> <li>Check water level sensors and the<br/>programmable logic control system if all are<br/>set and functioning in accordance with the<br/>required design specifications or aeration<br/>patterns of the air blowers.</li> <li>Lubricate motor and pump bearings.</li> <li>Check compressor-motor belt drives and<br/>their alignment.</li> <li>Check and clean air suction filters using<br/>appropriate cleaning agent and compressed<br/>air.</li> </ol>                             |
|        | Annual Check – up and Servicing  |
|        | <ol> <li>Dismantle motors and conduct cleaning of<br/>stator winding, motor casing internals as well<br/>as the rotor using approve solvents.</li> <li>Replace bearings of motors and compressor<br/>as necessary. Lubricate motor bearings.</li> <li>Change oil of compressor.</li> <li>Check and clean air suction filters using<br/>appropriate cleaning agent and compressed<br/>air.</li> <li>De-rust and repaint corroded portion of<br/>valves, pumps, motors, piping and<br/>accessories. Apply primer and finishing paint.</li> </ol>   |
| 2.3.3. | Lift Station Submersible Pumps, Influent<br>Submersible Pumps,Waste and Sludge<br>Pumps, Contact Tank Submersible Pumps,<br>Sludge Digester Submersible Pump,  |

| Chemical Dosing Pumps and the Tertiary or Re-use Pumps.   |
|---|
| Monthly Check – up and Servicing  |
| <ol> <li>Check and clean submersible pumps' suction<br/>strainer.</li> <li>Check discharge pipeline. De-clog/clean if<br/>necessary.</li> <li>Check submersible pump's oil level and sign<br/>of leakage. Retighten loosened oil plugs<br/>and/or loose fittings/connections. Refill if<br/>necessary.</li> <li>Check level of noise and vibration during test-<br/>run. It must not be abnormal/or excessive.</li> <li>Check sign of possible deterioration of<br/>bearing.</li> <li>Check cable seal on top of the pump.<br/>Retighten and apply appropriate sealant if<br/>found necessary.</li> <li>Check electrical terminal connection on<br/>motor, control starter and circuit breaker.<br/>Check and record motor insulation resistance,<br/>drawn current and power supply/voltages.</li> <li>Check water level sensors and the<br/>programmable logic control system if all are</li> </ol> |
| set and functioning in accordance with the<br>required water discharge patterns of the<br>subject pumps.<br>Quarterly Check - up and Servicing  |
| <ol> <li>Check electrical terminal connection on<br/>motor, control starter and circuit breaker.<br/>Check and record motor insulation resistance,<br/>drawn current and power supply/voltages.</li> <li>Check submersible pump's oil level and sign<br/>of leakage. Retighten loosened oil plugs<br/>and/or loose fittings/connections. Refill if<br/>necessary.</li> <li>Check cable seal on top of the pump.<br/>Retighten and apply appropriate sealant if<br/>found necessary.</li> </ol>  |
| <ol> <li>Check and clean submersible pumps' suction<br/>strainer.</li> <li>Check discharge pipeline. De-clog/clean if<br/>necessary</li> </ol>  |
| Semi-Annual Check – up and Servicing  |
| <ol> <li>Check electrical terminal connection on<br/>motor, control starter and circuit breaker.<br/>Check and record motor insulation resistance,<br/>drawn current and power supply/voltages.</li> </ol>  |

|      | <ol> <li>Check submersible pump's oil level and sign<br/>of leakage. Retighten loosened oil plugs<br/>and/or loose fittings/connections. Refill if<br/>necessary.</li> <li>Check cable seal on top of the pump.<br/>Retighten and apply appropriate sealant if<br/>found necessary.</li> <li>Check and clean submersible pumps' suction<br/>strainer.</li> <li>Check discharge pipeline. De-clog/clean if<br/>necessary</li> <li>Clean submersible pumps' nameplate using<br/>appropriate cleansing agent. Preserve<br/>readability/clarity of stipulated technical<br/>specifications of the subject pump therein.</li> <li>De-rust and repaint pump's casing.</li> <li>De-rust and repaint discharge pipe lines of the<br/>influent pumps at the equalization tank as well<br/>as of the tertiary pumps.</li> </ol>   |
|------|---|
|      | Annual Check – up and Servicing   |
|      | <ol> <li>Check electrical terminal connection on<br/>motor, control starter and circuit breaker.<br/>Check and record motor insulation resistance,<br/>drawn current and power supply/voltages.</li> <li>Check submersible pump's oil level and sign<br/>of leakage. Retighten loosened oil plugs<br/>and/or loose fittings/connections. Refill if<br/>necessary.</li> <li>Check cable seal on top of the pump.<br/>Retighten and apply appropriate sealant if<br/>found necessary.</li> <li>Check and clean submersible pumps' suction<br/>strainer.</li> <li>Check discharge pipeline. De-clog/clean if<br/>necessary</li> <li>Clean submersible pumps' nameplate using<br/>appropriate cleansing agent. Preserve<br/>readability/clarity of stipulated technical<br/>specifications of the subject pump therein.</li> <li>De-rust and repaint pump's casing.</li> <li>De-rust and repaint discharge pipe lines of the<br/>influent pumps at the equalization tank as well<br/>as of the tertiary pumps.</li> </ol> |
|      | 3. Submit monthly accomplishment reports and recommendations signed by the Maintenance Supervisor and Service Manager. Submit said reports together with the monthly billing.   |
| VII. | SPECIAL/OTHER CONDITIONS OF THE CONTRACT:   |
|      | 1. The CONTRACTOR shall be responsible for the supply of labor, technical expertise, supervision, provision of tools and instruments, repair equipment, office supplies and   |

disposables such as waste rugs and other related items needed for the daily operation and proper maintenance of the Sewage Treatment Plant (STP) as specified in the above scope of work.

- 2. The PICC shall supply the materials and spare parts needed in the actual implementation of preventive and corrective maintenance services for the subject STP.
- 3. The CONTRACTOR shall perform the above-mentioned minimum detailed operation and maintenance services on the STP equipment /system on daily basis, seven (7) days a week, twenty eight (28) to thirty one (31) days a month for a period of one (1) year. The daily work schedule/duty of personnel and the STP operation and maintenance servicing schedule shall be as follows:

Daily Schedule

Shift 1 : 6:00 AM to 2:00 PM

Shift 2: 2:00 PM to 10:00 PM

Shift 3: 10:00 PM to 6:00 AM

Scheduled Preventive Maintenance Services shall be performed from 8:00 AM to 5:00PM. Work schedule shall be adjusted from 5:00PM work time-out to "As-Required" to meet scheduled service/work completion for the day.

- 4. The CONTRACTOR shall assign a regular three (3) operators for the daily operation and maintenance services who are qualified to operate, maintain, trouble shoot and can implement emergency activation on all other spare or stand-by equipment/facilities especially on the electrical control system so as not to spoil the process operation of the subject STP. During scheduled process monitoring and, inspection, a process engineer must be assigned for the purpose. A crew composed of one (1) service engineer, one (1) electrical technician and one (1) mechanical technician shall be assigned for the implementation of schedule preventive and emergency repair or corrective maintenance for the STP.
- 5. The CONTRACTOR's personnel for the scheduled process monitoring, operation and inspection shall have the following qualification and experience:
  - a. Process Engineer shall be a licensed chemical engineer with a minimum experience of two (2) years in supervisory capacity and technical works on Sewage Treatment Plant operation and maintenance. He/she must be an accredited Pollution Control Officer by the Department of Environment and Natural Resources (DENR) and the Laguna Lake Development Authority (LLDA).

|    | b. Maintenance Supervisor/Service Engineer - shall be a<br>licensed mechanical or electrical engineer with a<br>minimum experience of two (2) years in supervisory<br>capacity and technical works on Sewage Treatment<br>Plant operation and maintenance.   |
|----|--|
|    | c. Electrical Technician - shall be a electrical engineering<br>graduate or undergraduate or a graduate of two to<br>three-year course on electrical technology with a<br>minimum experience of two (2) years in technical works<br>on Sewage Treatment Plant operation and maintenance.   |
|    | c. Mechanical Technician - shall be a mechanical<br>engineering graduate or undergraduate or a graduate<br>of two to three-year course on mechanical technology<br>with a minimum experience of two (2) years in technical<br>works on Sewage Treatment Plant operation and<br>maintenance.  |
|    | d. STP Operators – shall be a graduate or under graduate<br>of any four to five –year course in engineering or other<br>technical course. He must have attended<br>seminars/trainings on STP operation and maintenance<br>and that, he is aware and knowledgeable on, the<br>environmental compliance requirements on report<br>preparations, waste management, water<br>testing/analysis especially on treated<br>wastewater/effluent quality and standard parameters<br>as set by the Department of Environment and Natural<br>Resources (DENR) and the Laguna Lake Development<br>Authority (LLDA). |
| 6. | The CONTRACTOR's personnel to be assigned regularly to<br>PICC shall subject to interview by the Pollution Control<br>Officer and/or the Assistant Director for Mechanical Services<br>Division and approved by the Director of PICC Technical<br>Services Department.   |
| 7. | The CONTRACTOR shall observe seven (7) days a week<br>regular-duty schedule from Monday thru Sunday regardless<br>of holiday. The CONTRACTOR shall assign personnel to<br>operate, tender and maintain the STP facilities and<br>equipment and accessories during holidays and non-<br>working days without additional cost to the PICC.   |
| 8. | The CONTRACTOR's personnel on each of the three (3) shift<br>duty shall not leave the STP/ PICC premises until such time<br>the reliever arrives. One must secure first all the equipment<br>in operation to ensure continuous treatment process as<br>programmed in the PLC control system prior to turnover of<br>post to his reliever and/or before leaving the STP/PICC  |
| 9. | premises.<br>The CONTRACTOR shall be responsible, with the assistance<br>of the Pollution Control Officer (P.C.O.) of PICC for the<br>process operation, periodic inspection and maintenance,<br>taking of water sample and analysis, submission of<br>quarterly Self-Monitoring Reports to the office of the  |

|     | DENR/LLDA. Notarial services and payment for the renewal of environmental permits and clearances shall be on PICC's account.  |
|-----|---|
| 10. | The CONTRACTOR shall harmoniously work together with<br>the PICC personnel and shall always be ready to assist the<br>P.C.O. in the preparation and submission of DENR/LLDA-<br>required reports and application for any environmental<br>permits or clearances in compliance with the Republic Act<br>9275, otherwise known as the Clean Water Act.  |
| 11. | The following services (labor only) shall be part of the CONTRACTOR's responsibility:   |
|     | <ul> <li>11.1. All services under regular operation and maintenance schedule and scope of works.</li> <li>11.2. Minor adjustment and calibration of electrical and electronic controls and other accessories. This is to include minor trouble shooting on the controllers and reprogramming the PLC in case of malfunctioning or erratic operation.</li> <li>11.3. Replacement of defective parts and accessories of any facility of the STP not requiring extensive services</li> </ul> |
|     | <ul> <li>and manpower.</li> <li>11.4. Replacement of bearings of electric motor, and submersible pump assembly as well as their mechanical seal and valve packing if any.</li> <li>11.5. Minor painting, soldering, welding, brazing and fabrication works.</li> <li>11.6. Replacement of V-belts of the air blowers</li> <li>11.7. Servicing/removal of plastics and other solid wastes of all the tanks of the STP.</li> <li>11.8. Manual Chlorine feeding unto container.</li> </ul>   |
|     | The following services shall not be part of the CONTRACTOR's responsibility:  |
|     | <ul> <li>12.1. Supply of materials like oil, grease, rubber gaskets, paints and related materials, paint brushes, cleaning agents, chlorine and spare parts</li> <li>12.2. Overhauling of compressor, pumps, gear boxes and components.</li> <li>12.3 Rewinding and reconditioning of motors, control gate valves, solenoid controllers, transformers, holding</li> </ul>   |
|     | coils and other accessories.<br>12.4. Major dismantling, installation, disassembly,<br>assembly, alignment, and re-installation of equipment<br>and accessories requiring additional personnel from<br>the Contractor.  |
|     | <ul><li>12.5. Rewiring of electrical and/or electronic controls<br/>andaccessories of the STP.</li><li>12.6. Extensive leak repair or major de-clogging work on</li></ul>   |
|     | the Lift Station tanks and other tanks and pipe lines<br>of the STP.<br>12.7. Any works that necessitates additional personnel from<br>the Contractor and other significant work not included   |

under Operation and Preventive Maintenance services.

- 13. All preventive maintenance services and repair works shall be performed during working hours and within the shifting schedules.
- 14. In case of equipment breakdown, the CONTRACTOR's qualified officer and/or engineer shall immediately inspect and evaluate within 24 hours the cause and extent of damage and shall inform/advise promptly the PICC verbally followed by a detailed written report and recommendations for the needed restoration.
- 15. PICC's procurement of CONTRACTOR's services that are not part of the scope of work of the Contract shall go through the procurement process in accordance with the Government Procurement Law.
- 16. The CONTRACTOR's personnel to be assigned at PICC shall have no employee-employer relationship with PICC. The PICC shall not in any way responsible for claims for personal injury, wages and other employee benefits, and other claims for damages including death of its personnel and third parties brought in by the CONTRACTOR or by its employees for the performance of duties specified herein.
- 17. The CONTRACTOR shall provide its personnel with uniform that is acceptable to and approved by the PICC, being an international convention center.
- 18. The Contractor must submit NBI/Police Clearance of its personnel to be assigned at the PICC.

# **VIII. TERMINATION OF CONTRACT**

In addition to the above conditions, the contract/scope of services shall be terminated by PICC if the Contractor has rendered services below satisfactory performance rating for two consecutive or accumulated occasions or bi-monthly periods.

Commission of any of the following shall be considered "poor performance or unsatisfactory performance":

- 1. Non-completion of bi-monthly services as required under Specific Activities.
- 2. One-time sabotage of operation or intentional shut down of the STP without valid cause.
- 3. Three (3) times failure to respond to an emergency trouble call within 24 hours from receipt of phone call on monthly basis.
- 4. Any rendition of works that resulted to three (3) written warnings on monthly period from the Office of Mechanical

Services or Technical Services Department due to poor workmanship.

Further, the Contractor shall not be paid for any rendition of monthly services below satisfactory/poor performance rating. The Contractor shall be given written warning for the first periodic offense and shall be penalized immediately by way of non-payment for monthly services for the subject period.

# **Statement of Compliance**

Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered.

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# Section VIII. Bidding Forms

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# Section VIII. Bidding Forms

# Bid Form

Date: \_\_\_\_\_

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To: [name and address of Procuring Entity]

Gentlemen and/or Ladies:

Having examined the Bidding Documents including Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to **ONE (1)** - **YEAR CONTRACT FOR THE DAILY OPERATION AND PREVENTIVE MAINTENANCE** SERVICE OF PICC' SEWAGE TREATMENT PLANT (STP) in conformity with the said Bidding Documents for the sum/s as follows:

# TOTAL ANNUAL CONTRACT RATE: INCLUSIVE OF VALUE ADDED TAX (VAT)

|                   | (P | )                   |
|-------------------|----|---------------------|
| (Amount in Words) |    | (Amount in figures) |

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in **BDS** provision for **ITB** Clause 18.2 and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the lowest or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per **ITB** Clause 5 of the Bidding Documents.

We likewise certify/confirm that the undersigned, [for sole proprietorships, insert: as the owner and sole proprietor or authorized representative of <u>Name of Bidder</u>, has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the One (1) – Year Contract for the Daily Operation and Preventive Maintenance Service of PICC Sewage Treatment Plant (STP) of the Philippine International Convention Center [for partnerships, corporations, cooperatives, or joint ventures, insert: is granted full power and authority by the <u>Name of Bidder</u>, to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for One (1) – Year Contract for the Daily Operation and Preventive Maintenance Service of PICC Sewage Treatment Plant (STP) of Sewage Treatment Plant (STP) of the Philippine International Convention Center

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

| Dated this         | day of                 | 2021                 |  |
|--------------------|------------------------|----------------------|--|
| [signature         | e]                     | [in the capacity of] |  |
| Duly authorized to | sign Bid for and on be | ehalf of             |  |
|                    |                        |                      |  |

### PHILIPPINE INTERNATIONAL CONVENTION CENTER BIDS AND AWARDS COMMITTEE

One (1) Year Contract for the Daily Operation and Preventive Maintenance Service of PICC Sewage Treatment Plant (STP)

# CHECKLIST OF REQUIREMENTS

Bidders shall submit their bids through their duly authorized representative using the forms specified in the Bidding Documents in **two (2)** separate sealed bid envelopes, and which shall be submitted simultaneously. The first envelope shall contain the technical component of the bid including the eligibility requirements and the second shall contain the financial component of the bid.

# I. FIRST ENVELOPE: ELIGIBILITY AND TECHNICAL COMPONENTS;

### A. ELIGIBILITY DOCUMENTS:

- Certified photocopy of the valid and current PhilGEPS Certificate of Registration ~ Platinum Membership. The certificate shall be submitted together with Annex "A". However, if any of the documents mentioned in Annex "A" is not current, the new document should be submitted, except in the case of CY 2021 Mayor's Permit, which shall be submitted as part of the requirements prescribed in the Notice of Award.
- Statement of all on-going government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (ANNEX "A");
- 3. Statement of the Single Largest Completed Contract (SLCC) similar to the contract to be bid, entered into within the last ten (10) years from the date of submission and opening of bids, and whose value is at least fifty percent (50%) of the ABC. (ANNEX "B") Attach to such statement the following;
  - a. Certified photocopy of the SLCC; and
  - b. Certificate of Acceptance or Official Receipt or Sales Invoice
- 4. Net Financial Contracting Capacity (NFCC): (ANNEX "C")

Computation of NFCC must be at least equal to the ABC to be bid, calculated as follows;

NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the contract to be bid.

or a committed Line of Credit from Universal or Commercial Bank, in lieu of its NFCC Computation. The committed Line of Credit must be at least equal to ten percent (10%) of the ABC to be bid.

# B. TECHNICAL COMPONENT:

- 1. Bid Security:
  - Notarized Bid Securing Declaration (ANNEX "D"); or
  - Cash or Manager's Check / Cashier's check issued by a Universal or Commercial Bank in the amount of not less than 2% of the ABC; or
  - Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank in the amount of not less than 2% of the ABC; or
  - Surety Bond, callable upon demand, issued by a private insurance company with attached Certification issued by the Office of the Insurance Commission that said insurance company is authorized to issue such surety, in the amount of not less than 5% of the ABC.
- 2. Sections VI Schedule of requirements and VII- Technical Specifications of the Bidding Documents, fully accomplished, duly signed by the authorized representative on each page.
- 3. Notarized Omnibus Sworn Statement (ANNEX "E") with attached;
  - a. For Corporations, the duly notarized Secretary's Certificate; or
  - b. For Sole Proprietorship, the notarized Special Power of Attorney.

# II. <u>SECOND ENVELOPE: FINANCIAL COMPONENT OF THE BID (BID PROPOSAL</u> FORMS)

1. Financial Bid Form (Section VIII of the Bidding Documents);

|  |  |   |               |   |  |   |   | ANNEX "A"   |
|--|--|---|---------------|---|--|---|---|---|
| Standard For Number : SF-GOOD-13a<br>Revised on: July 28, 2004 | 00D-13a  |   | • • • • •     |   |  |   |   |   |
| LIST OF ALL ON-GOIN  | G GOVERNMENT &                                     | LIST OF ALL ON-GOING GOVERNMENT & PRIVATE CONTRACTS INCLUDING CONTRACTS AWARDED BUT |               | NTRACTS   |  | NOT YET STARTED   | RTED  |   |
| Business Name:   |  | · · · · · · · · · · · · · · · · · · ·   |               |   |  |   |   |   |
| Business Address:  |  | •   |               |   |  |   |   |   |
|  |  |   |               |   |  |   |   |   |
| Name of Project /<br>Project Cost                              | a. Owner's Name<br>b. Address<br>c. Telephone Nos. | Nature of Work  | Bidder's Role | Role  | a. Date Awarded<br>b. Date Started<br>c. Date Completion                                   | % of<br>Accomplishment  | of<br>Ishment   | Value of Outstanding<br>Works / Undelivered<br>Portion                                  |
| Government.  |  |   | Description   | . %   |  | Planned   | Actual  | -   |
|  |  |   |               |   |  |   |   |   |
|  |  |   |               |   |  |   |   |   |
|  |  |   |               |   |  |   |   |   |
|  |  |   |               |   |  |   |   |   |
| Drivate.   |  |   | _             |   |  |   | :   |   |
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|  |  |   |               |   |  |   |   |   |
|  |  |   |               |   |  |   |   |   |
|  |  |   |               |   |  |   |   |   |
| Submitted by:  |  |   |               |   |  |   | internet the second construction of the second s |   |
| -  |  | (Printed Name & Signature)  |               |   |  |   |   |   |
| Designation:   |  |   |               |   |  |   |   | offerer come a fulfying the formula offerer core common community from a fully state in |
| Date:  |  |   |               | vane van he er tri tê ê birê e.   | e la Maller e A carl a sull Marcel e la success Manace vasannas commo e competencia da sul | - LANS- LANS- LANS- LANS- LANS- LANS- LANS- LANS-             | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1  | versenses handerye a a sty types Ais Seervasius unsues provade provade y verses.        |
|  |  |   |               | a na series a series de la series | CONSERVATION AND AND AND AND AND AND AND AND AND AN  | - A MARINE A MARINA A MAKINA AMAKANA MATAKANA AMAMINA AMAMINA | 1.01 March 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 19 | ביור ביור אינט אינט אינט אינט אינט אינט אינט אינט                                       |

| Vision Constraint (M. 1974) 1984 11551 16511 158 1M datable and constraints and some Association and and the second statements of the   |  |   |   |   |
|---|--|---|---|---|
| Anna Anna Anna Anna Anna Anna Anna Anna   | د به می از این از می از این از این از این از این از این                                    | A star by red year on year way were year AD, We Y & D. Media A. Adverse on annual year on year<br>Year on year on yea |   | ANNEX "B"   |
|   | SINGLI   | SINGLE LARGEST COMPLETED CONT   | CONTRACT  |   |
|   | WHICH  | WHICH IS SIMILAR TO THE CONTRACT TO   | ACT TO BE BID   |   |
| Business Name:  | -  |   |   |   |
| Business Address:   | والمعارية بالمحاصر المقام المحاصر المعام المعالية والمعام والمحاصر والمحاصر والمحاصر المحاصر المحاصر المحاصر والمحاصر والمحاصر | ر با در محمد این محمد محمد معروف معروف معمد این در معمد مدرست در معمد مرد معروف محمود این معروف این محمد محمد م<br>محمد محمد محمد محمد محمد مح  | s a serie en  |   |
|   |  |   |   |   |
| Name of Contract  | a. Uwner Name<br>b. Address  | Nature of Item/Service  | a. Amount of Award  | a. Date Awarded   |
|   | r Talanhona Nos  |   |   | a Data Completed  |
|   | c. Telephone Nos.  |   | c. Duration   | c. Date Completed   |
|   |  |   |   |   |
|   |  |   | -   |   |
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|   |  |   |   |   |
|   | nonnen men a - annen men men a men en en en en en en en en en men en e                        |   |   |   |
| Note: This statement shall be supported with:   | I be supported with:   | لا معتمر در استعرابه فتتن الاستعاد محمد محمد محمد معتمران و سماحها الاستعارية محمد المحمد المحم  |   |   |
| 1. Contract   | A A A A A A A MUMAN A MANA A A A A A A A A A A A A A A A   | אוויזי איש ישר לא כוצאל לא בשיק אוויזי איש או   |   |   |
| 2. Certificate of   | Completion & Acceptance c  | or Official Receipt/s or Sales I  | 2. Certificate of Completion & Acceptance or Official Receipt/s or Sales Invoice issued for the contract                                      | ي پارلې و د مېرو د و وو د و د د د د د د د د د د د د د   |
| Note: The Single Largest C  | ompleted Contract shall be c   | ompleted within the last ten (  | Note: The Single Largest Completed Contract shall be completed within the last ten (10) years from the date of submission and receipt of bids | nission and receipt of bids,  |
| that is similar to the  | contract to be bid, the amou   | unt of which shall be at least j  | that is similar to the contract to be bid, the amount of which shall be at least fifty percent (50%) of the ABC.                              |   |
| Submitted by:   | , VIII, VII, Mari, Alanda, Andrés, Andrés, andrés, Nan Ananyadan mana anananan ang ang ang ang ang ang ang                     | یک کام این میکند.<br>این کام این میکند این میکند این این این این این این میکند این میکند این میکند این این این این میکند.<br>این میکند این میکند این میکند این میکند این میکند این میکند.   | ου Νου, τη Ουναρική της της της την τους την ουνομική ματά του  | אראי אייר אוויין אייר אייר אייר אייר אייר אייר אייר א   |
| - Very Private State Stat<br>State State State<br>State State S | (Printed Nami  | (Printed Name & Signature)  |   |   |
| Designation:  | -  |   |   | a na shekara da mana da mana na shekara a na san ana mana a mana a mana a san a san a san a san a san a san a s<br>A na san a da mana mana mana a mana a na san a na san a mana a mana a mana a mana a mana a mana a san a san a sa |
| Date:   |  |   |   |   |
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#### ANNEX "C"

Name of the Procuring Entity

Project Reference Number Name of the Project Location of the Project

Standard Form Number: SF-GOOD-14 Revised on: May 24, 2004

#### FINANCIAL DOCUMENTS FOR ELIGIBILITY CHECK

A. Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached Income Tax Return and Audited Financial Statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.

|    |  | Year 20 |
|----|--|---------|
| 1. | Total Assets   |         |
| 2. | Current Assets   |         |
| 3. | Total Liabilities  |         |
| 4. | Current Liabilities  |         |
| 5. | Net Worth (1-3)  |         |
| 6. | Net Working Capital (2-4)  |         |
| 7. | Value of all outstanding or uncompleted portions of the project under ongoing contracts, including awarded contracts yet to be started coinciding with contract to be bid. |         |

B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = [(Current assets minus current liabilities) (15)] minus value of all outstanding or uncompleted portions of the project under ongoing contracts, including awarded contracts yet to be started coinciding with contract to be bid.

NFCC = P\_\_\_\_

The values of the bidder's current assets and current liabilities shall be based on the data submitted to the BIR.

or

A committed Line of Credit, in an amount to at least ten percent (10%) of the ABC, issued by a Universal of Commercial Bank.

Submitted by:

Name of Supplier / Distributor / Manufacturer

Signature of Authorized Representative Date:

Note:

1. If Partnership or Joint Venture, each Partner or Member Firm of Joint Venture shall submit the above requirements.

# **BID SECURING DECLARATION FORM**

# REPUBLIC OF THE PHILIPPINES) CITY OF \_\_\_\_\_\_) S.S.

X-----X

# **BID SECURING DECLARATION** Invitation to Bid: [Insert Reference number]

To: [Insert name and address of the Procuring Entity]

I/We<sup>1</sup>, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
  - (a) Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
  - (b) I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
  - (c) I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

<sup>&</sup>lt;sup>1</sup> Select one and delete the other. Adopt the same instruction for similar terms throughout the document.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this \_\_\_\_\_ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER'S AUTHORIZED REPRESENTATIVE] [Insert Signatory's Legal Capacity] Affiant

SUBSCRIBED AND SWORN to before me this \_\_\_\_\_ day of [month] [year] at [place of execution], Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_\_ and his/her Community Tax Certificate No. \_\_\_\_\_\_ issued on \_\_\_\_\_ at \_\_\_\_.

Witness my hand and seal this <u>day of [month] [year]</u>.

#### NAME OF NOTARY PUBLIC

| Serial No. of Com | mission                       |
|-------------------|-------------------------------|
| Notary Public for | until                         |
| Roll of Attorneys | No                            |
| PTR No.           | [date issued], [place issued] |
|                   | [date issued], [place issued] |

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# REPUBLIC OF THE PHILIPPINES ) CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

### AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

#### 1. Select one, delete the other:

If a sole proprietorship: I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

If a partnership, corporation, cooperative, or joint venture: I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

### 2. Select one, delete the other:

If a sole proprietorship: As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

If a partnership, corporation, cooperative, or joint venture: I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 3. *[Name of Bidder]* is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

- 5. *[Name of Bidder]* is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. Select one, delete the rest:

*If a sole proprietorship:* The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

If a partnership or cooperative: None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

*If a corporation or joint venture:* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:
  - a) Carefully examine all of the Bidding Documents;
  - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
  - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d) Inquire or secure Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- 9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_\_ day of \_\_\_\_, 20\_\_\_ at \_\_\_\_, Philippines.

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this \_\_\_\_\_ day of [month] [year] at [place of execution], Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_\_ and his/her Community Tax Certificate No. \_\_\_\_\_\_ issued on \_\_\_\_\_\_ at \_\_\_\_.

Witness my hand and seal this \_\_\_\_ day of [month] [year].

### NAME OF NOTARY PUBLIC

| Serial No. of Com | mission                       |   |
|-------------------|-------------------------------|---|
| Notary Public for | until                         |   |
| Roll of Attorneys | No                            |   |
| PTR No.           | [date issued], [place issued] | , |
|                   | [date issued], [place_issued] |   |

Doc. No. \_\_\_\_\_ Page No. \_\_\_\_\_ Book No. \_\_\_\_\_ Series of \_\_\_\_\_