

Standard Form Number: SF-GOOD-30
Revised on: May 24, 2004

Republic of the Philippines
METROPOLITAN NAGA WATER DISTRICT
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SUPPLEMENTAL/BID BULLETIN
May 25, 2021

ADDENDUM NO. 07

PROJECT: Procurement of the Outsourcing of Operation and Maintenance of the Metropolitan Naga Water District's Sixty (60) Cubic Meter per day Septage Treatment Facility and Four (4) Septic Sludge Vacuum Trucks (GOODS 2021-004)

This addendum is issued to modify or amend items in Section III. Bid Data Sheet and Section VII. Technical Specifications of the bidding documents posted at PhilGEPS, MNWD Website, and conspicuous places within the MNWD premises of the above stated project.

PER BIDDING DOCUMENTS	PER ADDENDUM
<p>Section III. Bid Data Sheet</p> <p>BDS ITB Clause 5.3</p> <p>For this purpose, contracts similar to the Project shall be:</p> <ol style="list-style-type: none"> a. Kind of Project: Outsourcing of Operation and Maintenance of the Septage Treatment Facility and Septic Sludge Vacuum Trucks with a minimum capacity of Thirty (30) cubic meter (m³) per day; b. Completed a similar project within FIVE (5) YEARS prior to the deadline for the submission and receipt of bids; c. Contracted a similar project with a Philippine water district or with a local government unit; and d. Operated a similar project that has complied with DAO 2016-08 standards. <p>xxx</p>	<p>Section III. Bid Data Sheet</p> <p>BDS ITB Clause 5.3</p> <p>For this purpose, contracts similar to the Project shall be:</p> <ol style="list-style-type: none"> a. Kind of Project: Outsourcing of Operation and Maintenance of the Septage Treatment Facility and Septic Sludge Vacuum Trucks with a minimum capacity of Thirty (30) cubic meter (m³) per day; b. Completed a similar project within FIVE (5) YEARS prior to the deadline for the submission and receipt of bids; c. Contracted a similar project with a Philippine water district or with a local government unit; and d. Operated a similar project that has complied with DAO 2016-08 standards. <p>xxx</p>

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<p>Section VII. Technical Specifications</p> <p>Terms of Reference</p> <p>1.0 DESCRIPTION OF SERVICES</p> <p>1.1 SEPTAGE TREATMENT PLANT OPERATION AND MAINTENANCE</p> <p>1.1.1 DECRPTION...</p> <p>1.1.2 OPERATION. The Contractor shall:</p> <ul style="list-style-type: none"> a. xxx b. Schedule of Vacuum Truck receiving operations from 8AM to 5PM, Monday to Friday, constituting a 22-day operation per month. c. xxx d. xxx 	<p>Section VII. Technical Specifications</p> <p>Terms of Reference</p> <p>1.0 DESCRIPTION OF SERVICES</p> <p>1.1 SEPTAGE TREATMENT PLANT OPERATION AND MAINTENANCE</p> <p>1.1.1 DECRPTION...</p> <p>1.1.2 OPERATION. The Contractor shall:</p> <ul style="list-style-type: none"> a. xxx b. Schedule of Vacuum Truck receiving operations from 8AM to 5PM, Monday to Friday, constituting a 22-day operation per month. <u>In the events of holidays, equipment breakdown or a process downtime that receiving of raw septage may not be practical, the Contractor may conduct an IF-DOWN-DO or a corrective maintenance work in preparation for the normal operation.</u> c. xxx d. xxx

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<p>1.1.3 MONITORING. The Contractor shall ensure that the effluent quality parameters will comply with the effluent quality standards of DENR and in conformance to RA 9275: Philippine Clean Water Act of 2004. The Contractor shall monitor effluent parameters as specified in "ANNEX A", Table 3. Daily effluent monitoring shall be posted visible to all personnel involved in the Septage Treatment Plant facility. Monthly testing of wastewater effluent by an accredited DENR-EMB third party laboratory testing center shall be shouldered by the Contractor. A monthly summary report shall be submitted on the first week of the ensuing month of service rendered to the Pollution Control Officer and/or Plant Engineer/ Supervisor for performance evaluation and discussion. The Contractor shall be liable for any fines, damages and penalties that may be imposed by DENR-EMB for violation or non-compliance with the aforementioned environmental law.</p>	<p>1.1.3 MONITORING. The Contractor shall ensure that the effluent quality parameters will comply with the effluent quality standards of DENR and in conformance to RA 9275: Philippine Clean Water Act of 2004. The Contractor shall monitor effluent parameters as specified in "ANNEX A", Table 3. Daily effluent monitoring shall be posted visible to all personnel involved in the Septage Treatment Plant facility. Monthly testing of wastewater effluent by an accredited DENR-EMB third party laboratory testing center shall be shouldered by the Contractor. A monthly summary report shall be submitted on the first week of the ensuing month of service rendered to the Pollution Control Officer and/or Plant Engineer/ Supervisor for performance evaluation and discussion. The Contractor shall be liable for any fines, damages and penalties that may be imposed by DENR-EMB for violation or non-compliance with the aforementioned environmental law.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <tbody> <tr><td>pH</td><td>Phosphate</td><td>COD</td></tr> <tr><td>DO</td><td>Nitrate</td><td>Color</td></tr> <tr><td>Chlorine Residual</td><td></td><td>Surfactants (MBAS)</td></tr> <tr><td></td><td></td><td>Oil and Grease</td></tr> <tr><td></td><td></td><td>pH</td></tr> <tr><td></td><td></td><td>TSS</td></tr> <tr><td></td><td></td><td>Fecal Coliform</td></tr> <tr><td></td><td></td><td>Total Coliform</td></tr> <tr><td></td><td></td><td>Ammonia</td></tr> <tr><td></td><td></td><td>Phosphate</td></tr> <tr><td></td><td></td><td>Nitrate</td></tr> <tr><td></td><td></td><td>Phenolic</td></tr> <tr><td colspan="3">PERFORMER</td></tr> <tr><td>Contractor</td><td>Contractor</td><td>DENR accredited laboratory</td></tr> </tbody> </table>	pH	Phosphate	COD	DO	Nitrate	Color	Chlorine Residual		Surfactants (MBAS)			Oil and Grease			pH			TSS			Fecal Coliform			Total Coliform			Ammonia			Phosphate			Nitrate			Phenolic	PERFORMER			Contractor	Contractor	DENR accredited laboratory
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<p>1.1.7 SEPTAGE TREATMENT PLANT OPERATION AND MAINTENANCE COSTS. The Contractor shall be responsible for the whole SpTP operation expenses of the following, but not limited to:</p> <ul style="list-style-type: none"> a. Personnel salary, vaccines and trainings b. Personal Protective Equipment (PPE) c. Power and water utility bills d. Generator set fuel and consumable costs e. Laboratory analysis, chemicals, reagents and miscellaneous f. SpTP preventive maintenance costs g. Sludge disposal costs h. Permits: WDP, PTO, ESC, etc. i. Overhead and incidental expenses <p>xxx</p>	<p>1.1.7 SEPTAGE TREATMENT PLANT OPERATION AND MAINTENANCE COSTS. The Contractor shall be responsible for the whole SpTP operation expenses of the following, but not limited to:</p> <ul style="list-style-type: none"> a. Personnel salary, vaccines and trainings b. Personal Protective Equipment (PPE) c. Power and water utility bills d. Generator set fuel and consumable costs e. Laboratory analysis, chemicals, reagents and miscellaneous: <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 33%;">CHEMICALS</th> <th style="width: 33%;">REAGENTS</th> <th style="width: 33%;">MISCELLANEOUS</th> </tr> </thead> <tbody> <tr> <td>Cationic Polymer</td> <td>Ammonia reagent</td> <td>Office Supplies</td> </tr> <tr> <td>Anionic Polymer</td> <td>Phosphate reagent</td> <td>Sacks</td> </tr> <tr> <td>35% Hydrochloric Acid Solution</td> <td>Nitrate reagent</td> <td>Rags and cleaning agents</td> </tr> <tr> <td>25% Sodium Chlorite Solution</td> <td>pH standard solution</td> <td>PPE's</td> </tr> <tr> <td>Ammonia removal chemical</td> <td></td> <td>Samples in-transit expenses</td> </tr> <tr> <td>pH adjuster chemical</td> <td></td> <td>Tech. support expenses</td> </tr> <tr> <td>Polyaluminum Chloride</td> <td></td> <td></td> </tr> <tr> <td>Calcium hydroxide</td> <td></td> <td></td> </tr> </tbody> </table> <ul style="list-style-type: none"> f. SpTP preventive maintenance costs g. Sludge disposal costs h. Permits: WDP, PTO, ESC, etc. i. Overhead and incidental expenses <p>xxx</p>	CHEMICALS	REAGENTS	MISCELLANEOUS	Cationic Polymer	Ammonia reagent	Office Supplies	Anionic Polymer	Phosphate reagent	Sacks	35% Hydrochloric Acid Solution	Nitrate reagent	Rags and cleaning agents	25% Sodium Chlorite Solution	pH standard solution	PPE's	Ammonia removal chemical		Samples in-transit expenses	pH adjuster chemical		Tech. support expenses	Polyaluminum Chloride			Calcium hydroxide		
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<p>1.1.10 CALIBRATION. Measuring/monitoring equipment shall be calibrated by the Contractor as necessary to ensure accurate results of wastewater effluent parameter analyses. Flowmeters shall be calibrated within one (1) year from the previous calibration date. Certificate of Calibration of equipment must be updated and available at all times. Copy of such must be provided to the MNWD Pollution Control Officer and/or Plant Engineer/ Supervisor. Necessary equipment calibration to be conducted by third party laboratory must also be made by the Contractor as applicable.</p> <p>xxx</p> <p>1.1.12 SLUDGE DISPOSAL. The Contractor shall dispose of the accumulated dewatered sludge at the dumping area designated by MNWD. The Contractor shall perform lime stabilization as applicable using hydrated lime, also known as calcium hydroxide [Ca(OH)₂] to help kill pathogens and condition the sludge to eliminate odors and prevent regrowth of pathogenic bacteria.</p> <p>xxx</p>	<p>1.1.10 CALIBRATION. Measuring/monitoring equipment shall be calibrated by the Contractor as necessary to ensure accurate results of wastewater effluent parameter analyses. Flowmeters shall be calibrated within one (1) year from the previous calibration date. Certificate of Calibration of equipment must be updated and available at all times. Copy of such must be provided to the MNWD Pollution Control Officer and/or Plant Engineer/ Supervisor. Necessary equipment calibration to be conducted by third party laboratory must also be made by the Contractor as applicable.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="3">CALIBRATION</th> </tr> <tr> <th>EQUIPMENT</th> <th>LOCATION</th> <th>PERFORMER</th> </tr> </thead> <tbody> <tr> <td>pH meter</td> <td>Laboratory</td> <td>Contractor</td> </tr> <tr> <td>Analytical balance</td> <td>Laboratory</td> <td>Contractor</td> </tr> <tr> <td>Level sensor</td> <td>On-site</td> <td>Contractor</td> </tr> <tr> <td>Flowmeter</td> <td>In-line</td> <td>Third party</td> </tr> <tr> <td>Spectrophotometer</td> <td>Calibration company /Supplier</td> <td>Third party</td> </tr> </tbody> </table> <p>xxx</p> <p>1.1.12 SLUDGE DISPOSAL. The Contractor shall dispose of the accumulated dewatered sludge at the dumping area designated by MNWD <u>located within STF premises. Only in the event of odor nuisance in any part of septage treatment process and dewatered sludge disposal that</u> the Contractor shall perform lime stabilization as applicable using hydrated lime, also known as calcium hydroxide [Ca(OH)₂] to help kill pathogens and condition the sludge to eliminate odors and prevent regrowth of pathogenic bacteria. <u>Hauling of such shall be manually handled.</u></p> <p>xxx</p>	CALIBRATION			EQUIPMENT	LOCATION	PERFORMER	pH meter	Laboratory	Contractor	Analytical balance	Laboratory	Contractor	Level sensor	On-site	Contractor	Flowmeter	In-line	Third party	Spectrophotometer	Calibration company /Supplier	Third party
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<p>1.3 DESLUDGING OPERATION AND MAINTENANCE</p> <p>1.3.1 DESCRIPTION...</p> <p>1.3.2 OPERATION: The Contractor shall:</p> <p style="margin-left: 20px;">a. Assure a minimum collection of 15,365 cu. m. of raw septage in a year.</p> <p style="margin-left: 20px;">b. xxx</p> <p>xxx</p> <p>4.0 ELIGIBILITY REQUIREMENTS / QUALIFICATION OF BIDDER</p> <p>4.1 The Bidder shall have at least five (5) years of experience operating and maintaining a Septage Treatment Facility for a Philippine water district or for a local government unit</p> <p>4.2 The Bidder should have already completed at least one (1) cycle of septage collection and treatment as certified by the LGU or by a water district</p> <p>4.3 The Bidder should have constructed and operated at least one (1) Septage Treatment Facility that has complied to DAO 2016-08 standards for at least twelve (12) months, as testified by effluent laboratory results from a DENR-EMB accredited laboratory</p> <p>4.4 The Bidder should have an ISO 9001:2015 and ISO 14001:2015 or at least documentations/proofs from the certifying body that these ISO certifications are work in progress. The Contractor must submit the same to the Bids and Awards Committee (BAC) prior to the execution of Service Contract. Non-compliance to the abovementioned will be a ground for disqualification.</p> <p>xxx</p>	<p>1.3 DESLUDGING OPERATION AND MAINTENANCE</p> <p>1.3.1 DESCRIPTION...</p> <p>1.3.2 OPERATION: The Contractor shall:</p> <p style="margin-left: 20px;">a. Assure a minimum collection of 15,365 cu. m. of raw septage in a year <u>defining a 97% collection efficiency in one year.</u> <u>* 2-year desludging schedule will be a part of Terms of Reference (TOR).</u></p> <p style="margin-left: 20px;">b. xxx</p> <p>xxx</p> <p>4.0 ELIGIBILITY REQUIREMENTS / QUALIFICATION OF BIDDER</p> <p>4.1 The Bidder shall have at least five (5) years of experience operating and maintaining a Septage Treatment Facility for a Philippine water district or for a local government unit</p> <p>4.2 The Bidder should have already completed at least one (1) cycle of septage collection and treatment as certified by the LGU or by a water district</p> <p>4.3 The Bidder should have constructed and operated at least one (1) Septage Treatment Facility that has complied to DAO 2016-08 standards for at least twelve (12) months, as testified by effluent laboratory results from a DENR-EMB accredited laboratory</p> <p>4.4 The Bidder should have an ISO 9001:2015 and ISO 14001:2015 <u>or at least documentations/proofs from the certifying body that these ISO certifications are work in progress.</u> The Contractor must submit the same to the Bids and Awards Committee (BAC) prior to the execution of Service Contract. Non-compliance to the abovementioned will be a ground for disqualification.</p> <p>xxx</p>

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<p>11.0 ELIGIBILITY REQUIREMENTS / QUALIFICATION OF BIDDER</p> <p>11.1 The Contractor shall provide manpower requirements.</p> <p>11.2 xxx</p> <p>11.3 xxx</p> <p>11.4 xxx</p> <p>11.5 xxx</p> <p>11.6 Leave and Absences - In case of absence, through illness or any reason, the Contractor must notify the MNWD as soon as possible in all cases where a member of the staff is unable to attend at the place of work. A reliever must fill in his position to prevent disruption in the plant's operation. For planned leave, personnel must notify and submit leave form, and the Contractor must fill in temporarily the vacant position. This shall be properly communicated to MNWD through the Plant Engineer/Supervisor.</p> <p>xxx</p>	<p>11.0 ELIGIBILITY REQUIREMENTS / QUALIFICATION OF BIDDER</p> <p>11.1 The Contractor shall provide manpower requirements.</p> <p>11.2 xxx</p> <p>11.3 xxx</p> <p>11.4 xxx</p> <p>11.5 xxx</p> <p>11.6 Leave and Absences - In case of absence, through illness or any reason, the Contractor must notify the MNWD as soon as possible in all cases where a member of the staff is unable to attend at the place of work. <u>The Contractor may conduct reshuffling of personnel to fill-in the position of that particular worker to prevent disruption in the plant's operation, i.e., Supervisor in lieu of the Plant Operator, Plant Mechanic in lieu of VT Operator. For planned leave, personnel must notify and submit leave form. All of this shall be properly communicated to MNWD through the Plant Engineer/Supervisor.</u></p> <p>xxx</p>

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<p>Section VIII. Checklist of Technical and Financial Documents</p> <p>I. TECHNICAL COMPONENT ENVELOPE</p> <p>Legal Documents xxx</p> <p>Technical Documents xxx</p> <p>(i) Statement of Manpower Requirements:</p> <ol style="list-style-type: none"> 1. Resume or Curriculum Vitae; 2. Copies of Vacuum Truck Operators' Driver's Licenses; 3. Copies of Trainings attended by Personnel, if available; and <p>xxx</p>	<p>Section VIII. Checklist of Technical and Financial Documents</p> <p>I. TECHNICAL COMPONENT ENVELOPE</p> <p>Legal Documents xxx</p> <p>Technical Documents xxx</p> <p>(i) Statement of Manpower Requirements:</p> <ol style="list-style-type: none"> 1. Resume or Curriculum Vitae; 2. Copies of Vacuum Truck Operators' Driver's Licenses; and 3. Copies of Trainings attended by Personnel, if available; and <p>xxx</p>

This shall form an integral part of the Bid Documents.

For guidance and information of all concerned.


JON LOUIE A. SANCHEZ
 Chairperson, BAC

Received by the Bidder: _____
 (Signature-over-printed-name)

Date: _____