



Republic of the Philippines
Department of Health
Metro Manila Center for Health Development
VALENZUELA MEDICAL CENTER



BIDS AND AWARDS COMMITTEE

January 24, 2025

NOTICE OF AWARD

PREVENTIVE MAINTENANCE OF AUTOMATIC SUPPRESSION SYSTEM AND STP OF VMC
Public Bidding No. VMC-2025-026 dated December 27, 2024

MR. RONNIE P. HAPSON

Sales Executive

FLUID SYSTEMS AND DESIGN INC

Unit 6a14 Victoria Station 1 Bldg., #793 EDSA,
Kamuning, Quezon City

Contact No.: 0995-433-3601

Email Add.: ronniehapson1609@gmail.com

Dear Mr. Hapson:

We are happy to notify your Bid dated **December 27, 2024** for execution of the Valenzuela Medical Center's IAEB Ref. No. 11575981 for contract price equivalent to **NINE HUNDRED SIXTY-SEVEN THOUSAND ONE HUNDRED FIFTY-FIVE PESOS AND 84/100 ONLY (Php 967,155.84)** for the Preventive Maintenance of Automatic Suppression System and STP Of VMC as corrected and defined in accordance with the Instruction to Bidders is hereby accepted.

ITEM NO	QTY	UNIT	ITEM DESCRIPTION	BID PRICE	TOTAL BID PRICE
1	12	Month	Preventive Maintenance of Sewage Treatment Plant of VMC (50 GPM)	80,596.32	967,155.84
			Scope of Works:		
			The Service provider shall render but is not limited to the following:		
			a. Provision of Treatment Chemicals (Chlorine and Enzyme) and Maintenance Supplies (Oil and Grease) including housekeeping and safety paraphernalia. Maintenance Chemicals such as but not limited to Chlorine, Coagulant and Flocculant as necessary Provision of Materials Safety Data Sheet (MSDS) for		

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			treatment Chemicals.		
			b. Provision of necessary to consumables and spare parts to ensure that STP is in good running condition		
			c. Monthly Influent and Effluent Sample		
			d. Laboratory Analysis of collected influent and effluent sample, and transmittal of report to VMC in accordance DENR DAO 2021-19 Effluent Standards for Class C Waters		
			e. Recording of daily operation and maintenance activities such as routine checks, inspection, and observation on the STP process equipment. It shall be available anytime upon request.		
			f. Minor repair, maintenance, and adjustment such as re-tightening, lubrication, de-clogging, and housekeeping works to maintain its normal operating performance efficiency and correct any deviation from standard parameters and ensure compliance with DENR		
			g. Supply of technical labor to perform as STP operator of eight (8) hours daily		
			h. Response of not more than forty-eight (48) hours for preventive maintenance and emergency repair upon the call of an on-site operator		
			i. Submit a technical report in line with the VMC STP project, including a quantitative assessment of estimated water usage or wastewater pollution reduction.		
			j. Submit daily, quarterly, yearly reports standards operating procedures (SOP) for the operation and maintenance of STP.		
			Preventive Maintenance of Sewage Treatment Plant of VMC (50 GPM)		
			TERMS OF REFERENCE		
			A. INTRODUCTION		
			To ensure a safe and healthy environment and surroundings through adherence to compliance with the DENR requirements, the Valenzuela Medical Center (VMC) aims to achieve its adherence to the Department of Environmental and Natural Resources		

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			(DENR) Administrative Order No. 35 otherwise known as Revised Effluent Regulations of 1990 wherein it states that the wastewater effluent from STP shall be able to meet the Effluent Standard for receiving body of water class "C" or inland water intended for the propagation and growth of fish and other aquatic resources (as adopted by Laguna Lake Development Authority of LLDA).		
			The completed STP facility, located at the rear of Main Hospital Building, is designed to treat wastewater based on the following criteria and parameters:		
			Volume flowrate: 50 cu.m./day		
			Treatment Operating System: Sequencing Batch Reactor (SBR)		
			Operating Cycles: Four (4) cycles per day		
			B. SCOPE OF WORKS		
			The Service provider shall render but is not limited to the following:		
			a. The Service Provider shall supply the supervision, operatorship, labor, equipment, tools, materials, parts and expertise for the Operation and Preventive Maintenance Service (PMS) of the Valenzuela Medical Center (VMC) Sewerage Treatment Plant (STP).		
			b. The Service Provider shall provide monthly preventive maintenance and minor repair on the VMC STP and submit a report on or before the fifteenth (15th) day of the following month.		
			c. The preventive maintenance program of the STP shall include the following:		
			Electrical:		
			i. Inspection/ cleaning of main circuit breaker, control board, contactors, overload relays and others;		
			ii. Cleaning and re-tightening of control connections and mounting;		
			iii. Check/ re-tightening of motor		

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			terminals;		
			iv. Check motor winding (insulation test resistance);		
			Mechanical:		
			i. Check/ alignment of pulley and sheave;		
			ii. Check shaft and seal for possible leaks;		
			iii. Lubrication of bearings;		
			iv. Check V-belts on blowers, replace if needed;		
			v. General cleaning of blowers including cleaning of intake air;		
			vi. Change oil blowers twice a year;		
			vii. Check/ cleaning of sub-pumps and check winding (insulation test);		
			viii. General cleaning of chlorinators and mixers;		
			ix. Comprehensive checking of dosing pumps;		
			Civil:		
			i. Checking of pipe lines;		
			ii. Dewatering and cleaning of final tank 1 and final tank 2 (chlorine contact tank) twice a month;		
			ii. Desludging of aerobic digester as needed depending on the volume of accumulated sludge;		
			iii. General cleaning of Aeration Tank, Mixing Tank and Anoxic Tank once a year; and		
			Others:		
			i. Minor Repairs (if needed).		
			d. Provision of treatment chemicals (Chlorine and Enzyme) and Maintenance supplies (Oil and Grease) including housekeeping and safety paraphernalia. Provision of Materials Safety data sheet (MSDS) for the Treatment Chemicals.		
			e. The Service Provider shall supply and deliver the following consumable items:		
			a. Appropriate V-belts – Eighteen (18) pieces		

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			b. Appropriate bearings for motor blowers – Six (6) pieces		
			c. Grease/ gear oil – Six (6) liters		
			d. Appropriate filter – One (1) roll		
			e. 3-inches Spring hose – One (1) meter		
			f. High Temperature Gasket Maker – Three (3) tubes		
			f. Recording of daily operation maintenance activities such as routine checks, inspection, and observation the STP process equipment. It shall be available anytime upon request.		
			g. The Service Provider grease the blower bearings every three (3) months.		
			e. Minor repair, maintenance, and adjustment such as retightening, lubrication, de-clogging, and housekeeping works to maintain its normal operating performance efficiency and correct any deviation from standard parameters and ensure compliance with DENR.		
			h. Supply of technical labor to perform as STP operator of eight (8) hours daily covering four (4) cycles equivalent to 24 hours or 3 hours per SBR cycle.		
			g. Response of not more than 48 hours for preventive maintenance and emergency repair upon the call of an on-site operator.		
			i. Submit a technical report in line with the VMC-STP project, including a quantitative assessment of estimated water usage or wastewater pollution reduction.		
			j. The Service Provider shall monitor the effluent discharge and must be within the acceptable standards (DAO 2016-08 and DAO 2021-19) of the Department of Environment and Natural Resources – Environmental Management Bureau, NCR (DENR-EMB, NCR). The Service Provider must be abreast with the latest regulations		

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			of the DENR-EMB, NCR and inform the VMC as soon as these are implemented.		
			k. The Service Provider with the presence of VMC authorized representative shall submit STP effluent for a Physical-Chemical Analysis and Microbiological Test (parameters in the Water Quality Guidelines table below) monthly to an accredited testing laboratory of the Department of Health and Department of Environment and Natural Resources.		

PARAMETERS	UNIT	STANDARD EFFLUENT VALUES
Biochemical Oxygen Demand, BODs	mg/L	≤50
Chemical Oxygen Demand, COD	mg/L	≤100
Total Suspended Solid, TSS	mg/L	≤100
Color	TCU	≤150
Oil and Grease	mg/L	≤5
Surfactant	mg/L	≤15
Fecal Coliform	MPN/100ml	≤400
pH	Unit	6.5-9.0
Ammonia	mg/L	≤4
Phosphate	mg/L	≤4
Nitrate	mg/L	≤14

			l. Monthly Influent and Effluent Sample.		
			m. Laboratory Analysis of collected influent and effluent sample, and transmittal of report to VMC.		
			n. All test results must pass the Water Quality and General Effluent Standards of DAO 2016-08 and DAO 2021-19 for Class C. In the event that certain parameters fail, the service provider must implement corrective measures for the parameter to be within the allowable limit. Any fine/s incurred by the VMC due to noncompliance to DENR-EMB, NCR standards for the VMC STP effluent shall be for the account of the Service Provider until remedied. Penalties such as refusal of effluent sampling that maybe imposed by DENR-EMB, NCR shall be automatically charged to the Service Provider.		
			o. The Service Provider shall assist		

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			VMC on the environmental compliance reporting, such as, application for renewal of STP Discharge Permit, submission of Quarterly Self-Monitoring Report (SMR), and as any/and all compliance requirements from the DENR-EMB, NCR.		
			p. The Service Provider shall maintain at all times good housekeeping inside and outside of the premises of the STP.		
			q. The Service Provider shall conduct training on the sequence of Operation of the STP for VMC Engineer and Facilities Management Section (EFMS) personnel.		
			r. Maintain STP operation, maintenance and administrative records.		
			C. MANPOWER REQUIREMENTS		
			i. The Service Provider shall have manpower that is properly and fully qualified to perform the class of work provided herein, and that they are all authorized, properly trained, equipped, organized and finance to perform such work. The Service Provider shall perform all work in accordance with all conditions stipulated in the contract.		
			ii. The Service Provider shall provide experienced and qualified manpower, tools and equipment capable of producing the quality and quantity of work and materials to complete the project as specified in the approved scope of work and specifications, within time specified in the approved contract.		
			iii. The STP operators and their supervisor must have a minimum of one (1) year and three (3) years operation of STP experience, respectively.		
			D. SUPPORT SERVICE REQUIREMENTS		
			It is essential that the Service Provider maintain local parts and services facility. The Service Provider must carry sufficient inventory to cover the spare parts of STP equipment and inspection/ services within		

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			twenty (24) hours after receipt of call or notification from the VMC. Further, the Service Provider shall have trained service representatives and supervisors to furnish all preventive maintenance, installations, tests and start-ups for final approval and acceptance on all components as required.		
			E. SCHEDULE AND PLACE OF DELIVERY		
			The project duration is for twelve (12) months. The VMC STP shall be operated 24 hours a day, 7 days a week. The Operation of the Preventive Maintenance must be completed every month from the effectivity date specified in the Notice to Proceed.		
			F. RESPONSIBILITIES OF THE VMC DURING PROJECT IMPLEMENTATION		
			i. The VMC EFMS authorized representative shall supervise the operation and maintenance of the VMC STP.		
			ii. In the implementation of work, the VMC or its representative shall not be responsible for any accident such; as death injuries and diseases received by the Service Provider or any of his employee or laborers. Likewise, the VMC shall not be responsible for any loss or damage of materials, tools, equipment delivered on the job site. Damages on the VMC properties and equipment caused by the Service Provider shall be replaced / repaired at his own expense to the satisfaction of the VMC. In the event of failure of repair and or replacement of the same, the VMC shall deduct the cost of such repairs from the payment due to the Service Provider.		
			iii. The execution of all works shall be subject to the inspection and acceptance by the VMC authorized representatives.		
			G. OTHER CONDITIONS		
			i. The Service Provider represents and warrants that it has the capacity to		

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			perform its obligations and undertakings according to the terms and conditions of this Contract, and hereby agrees and warrants that it shall faithfully observe and comply therewith		
			ii. The Service Provider should submit a Certificate of Site Inspection issued by the VMC EFMS during submission of bid.		
			iii. The Service Provider should have a similar operatorship and preventive maintenance contract for a sewerage treatment plant the last five (5) years and provide the VMC the list with the contact person and numbers.		
			iv. The Service Provider shall assign trained and skilled personnel in its employ who are qualified to operate and perform preventive maintenance of the VMC STP and shall submit the resume of the supervisor/s and operators assigned to the VMC for approval prior to being assigned to the VMC STP. The VMC has the right to request for replacement of the Service Provider's personnel for whatever reason.		
			v. All the equipment, parts, consumables to be supplied by the Service Provider have to be approved by the VMC prior to acceptance and/or installation.		
			vi. The Service Provider shall carry out at a survey of all the equipment by a qualified technician and give a written report to the VMC EFMS on any item that may require repair, alteration or change beyond the scope of this project as soon as observed or found during the Operation and PMS of the VMC STP.		
			vii. In case of breakdown of any blower/s, submersible pump/s, controls and other equipment during the operation and conduct of preventive maintenance on the VMC STP, it will be the Service Provider's responsibility to restore the VMC STP to normal operation.		
			viii. The Service Provider's liability for		

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			any loss, damage or delay arising from any act, default or omission, negligence or otherwise, in or about the performance and completion of this project shall be restricted to liability for physical damage or injury to any person and damage to property, which in any such case is the natural, immediate and foreseeable result of such act, default or omission caused by the Service Provider, its servants or agents and for which it is solely responsible.		
			ix. The Service Provider shall at all times be directly responsible for the acts or conduct of the personnel under its employ, for their salaries, wages or compensation or for other benefits provided for under existing and applicable labor laws.		
			x. The Service Provider shall clean the vicinity of the VMC STP including the electrical and blower rooms at all times.		
			xi. The Service Provider shall not disclose any confidential, proprietary and private information belonging to the VMC they may become aware without the expressed permission of the VMC.		
				TOTAL:	967,155.84

You are required to submit performance security in the form and amount stipulated in the Instruction to Bidders. Failure to provide the performance security shall constitute sufficient grounds for cancellation of the award and failure of the bid security.

The Valenzuela Medical Center reserves the right to withdraw / terminate this Notice of Award in view of non-delivery on the time specified, delivery of items of poor quality / substandard and any other violation of the terms and conditions provided in the Instruction to Bidders.

Form of Performance Security	Amount of Performance Security (Equal to Percentage of the Total Contract Price)
a) Cash or Cashier's/manager (payable to BUREAU OF TREASURY), check issued by a Universal or Commercial Bank	Goods and Consulting Services - Five percent (5%); Infrastructure Projects - Ten percent (10%)
b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.	

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c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.

Thirty percent (30%)

INSTRUCTIONS:

If you have no corrections to the contents of this NOTICE OF AWARD (NOA), please submit Performance Security. The original copy of the NOA should be signed and claimed at the BAC Office, Valenzuela Medical Center. Further, please submit a certificate stating your Bank Account details.

Approved by:

E. Cavaneyro
JAN 28 2025
EDILBERTO V. CAVANEYRO, MD, MHA, FPCS, FPSGS
OIC-Medical Center Chief II

Conformed:

Rennie R. Haysen

Authorized Representative
FLUID SYSTEMS AND DESIGN, INC
Company

Date: 1/28/25

*Emailed
1/28/25*

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