



REPUBLIKA NG PILIPINAS
KAGAWARAN NG KATARUNGAN
PANGASIWAAN SA PATALAAN NG LUPAIN
(LAND REGISTRATION AUTHORITY)
East Avenue cor. NIA Road
Quezon City

02 April 2024

FRANCIS F. SEÑORES

Owner

JEMN BUILDERS

150 Sitio Gulod, Sapang Palay Proper,
City of San Jose Del Monte, Bulacan

WORK ORDER No. GSD-2024-02

PROJECT: ACQUISITION OF TWO (2) UNITS OF MOTOR PUMP AND CONTROL PANEL WITH COMPLETE ACCESSORIES, SUBMERSIBLE PUMP AND ALARM SYSTEM IN BASEMENT PUMP ROOM OF LRA CENTRAL OFFICE BUILDING

Dear **Mr. Señores**,

Pursuant to LRA BAC Infrastructure Resolution 2024-04 dated 27 March 2024 and Notice of Award (NOA) dated 27 March 2024, the work stated therein may now be undertaken in the amount of **P841,570.57** the following Scope of Works and Specifications, to wit:

1. General requirements of the project include Mobilization/Demobilization of personnel, materials, equipment, provision of temporary facilities and utilities and upon completion cleaning of the work area and disposal of waste materials and debris to leave the premises in perfect condition, accepted by LRA.
2. Dismantling of existing two (2) units of motor pumps, motor control panel, and cleaning of catch basins of pump room.
3. Supply, delivery, and installation of two (2) new centrifugal pump coupled to motor in cast iron pump case, with bronze impeller, stainless shaft carbon, and ceramic metal seal. The specification of the 2 aforesaid pumps and motor should be 7.5 Horsepower (hp), 3 phase, 230V, 60Hz Motor pump, 2 pole, 3460RPM, suction/discharge is 1 ½" x 2" or any approved equivalent. Realignment of existing pipes is necessary depending on the motor pump to be installed. This also includes installation of one (1) flange check valve (determine actual location and specifications per actual site condition), vibration damper for 2 motor pumps, replacement of one (1) metal flange (specifications are as per actual), and all other materials, labor, and equipment to complete the project.
4. Supply, delivery, and installation of new motor control panel in NEMA 3R Enclosure with float switch and level sensor (rod type). The specification of the aforesaid motor control system is listed below:

ITEM NO.	PARTICULAR	QTY	SPECIFICATION/ REMARKS
1.	Duplex Pump Control	1 assy.	2x7.5hp 220Vac 3 phase, w/ hand/automatic mode, single operation/ alternate function, power on/off/trip indicator, with protection of dry run level, over/under voltage, phase loss detection, and phase reversal protection, or any approved equivalent.
2.	Float Switch	1 set	Float Switch Liquid Water Level Controller Contact Sensor 220V 16A 2m/ 78.7inch or any approved equivalent.
3.	Level Sensor (Rod type)	1 set	Three (3) electrode rod points (high, mid, low points) Conductive level switch, PNP output, threaded mount, PBT-FR body, ATEX-Rated, or any approved equivalent. To be installed at roof deck cistern tank.
4.	1.25mm ² TF Wire	4 boxes (approx.)	Electric wire to Level Sensor and Float Switch or any approved equivalent. To be installed at roof deck cistern tank.
5.	1/2" dia. PVC Conduit Pipe	50 pcs (approx.)	Roughing-ins to be used or any approved equivalent.

5. For the alarm system works, supply, delivery, and installation of two (2) sets of rod sensor connected to an industrial outdoor alarm siren with lights are necessary. The 2 alarms should function that system is when the float switch and level sensor (rod type) fails to stop the motor pump from functioning or when the mechanical float valve at the basement fails to close the water supply from the source, the alarm system will alert LRA Personnel or the guard on duty to take appropriate course of action.
6. For the supply, delivery, and installation of standby 2HP submersible pump, setting up the aforesaid pump with complete accessories together with its discharge pipes with complete fittings, clamps, and brackets necessary. The specifications are as follows:

ITEM NO.	PARTICULAR	QTY	SPECIFICATION/ REMARKS
1.	Submersible Pump	1 unit	2HP High Head Submersible Pump, 2" dia. discharge, three (3) phase, can accommodate clean and dirty water, complete set and accessories, or any approved equal pump.
2.	Discharge Pipes	1 lot	2" diameter series 600 sanitary pipe with complete fittings,

			bracket, and clamps necessary to accomplish its function, or any approved equal pipe.
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After installation, restoration of the area where the pipes were installed should be restored.

7. For the electrical works, provision of power supply for the new control panel, standby submersible pump, and the two (2) units of motor pump are necessary. This includes all materials, labor, equipment needed to accomplish the aforesaid work. The specification of the materials to be used is listed below:

ITEM NO.	PARTICULAR	QTY	SPECIFICATION/ REMARKS
1.	Electrical Wire THHN 8.0mm ²	1 lot	Electrical wire from power supply to the new control panel.
2.	Electrical Wire THHN 5.5mm ²	1 lot	Electrical wire from new control panel to two (2) new units of motor pump and new submersible pump and ground wire for the new motor control.
3.	Electrical Wire THHN 3.5mm ²	1 lot	Electrical wire from new control panel to two (2) new units of motor pump and new submersible pump.
4.	3/4" dia. PVC Conduit Pipe	1 lot	Embedded roughing-ins from new control panel to the two (2) new units of motor pump with complete fittings.
5.	1" dia. EMT Pipe	1 lot	Roughing-ins from the existing power supply to the new control panel and from the new control panel to the new submersible pump with complete fittings, clamps, and brackets necessary.

8. For painting works, repainting of walls and ceiling, steel door and other steel surfaces in the basement pump room is necessary. Before application of the paint, ensure that the surface is properly prepared. Cleaning and application of concrete neutralizer, skim coat, and paint primer is required before the actual application of paint. The color of paint is subject for approval of the end-user. This also includes all labor, materials, and equipment needed to accomplish aforesaid works up until the completion of the project.
9. For drip pan and stainless ladder works, fabrication and installation of drip pan and stainless vertical ladder is necessary. This includes all labor, materials, and equipment needed to accomplish aforesaid works up until the completion of the project. The specification of the materials to be used is listed below:

ITEM NO.	PARTICULAR	QTY	REMARKS
1.	Stainless Steel Sheet (Plain) (4m x 1.5m)	1 lot	For fabrication to serve as the drip pan with complete accessories necessary
2.	10mm dia. Plain Round Bar threaded both ends (Painted)	1 lot	To be used as the hanger for the drip pan with complete bolts, nuts, and washer and any other accessories necessary
3.	10mm dia. Stainless Plain Round Bar	1 lot	For fabrication as the ladder rung for the vertical ladder
4.	20mm dia. Stainless Plain Round Bar (Vertical Ladder)	1 lot	For fabrication as the two (2) vertical members of the vertical ladder
5.	Welding rods	1 lot	Use welding rod compatible to stainless steel

After installation, restoration of the area where the stainless drip pan and vertical ladder were installed should be restored.

10. Site visit/ ocular inspection is required before mobilization to inspect actual site condition. Daily site supervision is required.

It is understood that the payment therefore shall be subject to the usual accounting and auditing requirements after completion of all the above-mentioned works. Period of delivery is Sixty (60) Working Days from receipt hereof.

Very truly yours,


RONALDO C. APILADO
 Engineer III
 General Services Division

UNOBLIGATED FUNDS
 AVAILABLE: **Php 841,570.57**


JAIRUS M. CABUSI
 Chief, Accounting Division

APPROVED:


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 Administrator

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