



**Control No.: SBB-23-02**

**SUPPLEMENTAL BID BULLETIN NO. 1**

Project: **“Installation of one (1) unit Deep Well Water System at DIAA”**

PhilGEPS Reference Number: **9699938**

Solicitation Number: **PR# 2023-03-079**

This Supplemental Bid Bulletin No. 1 dated **12 May 2023** is being issued to clarify, modify or amend items in the Bidding Documents of the above-stated government project.

**BIDDING DOCUMENTS**

The following Items are hereby revised/amended:

**Section VIII. Bill of Quantities**

**FROM**

**Name of Project: INSTALLATION OF ONE (1) UNIT DEEP WELL WATER SYSTEM**

**AT DIAA**

**Location: Davao International Airport**

**Subject: BILL OF QUANTITIES**

		Qty	Unit	Unit Cost	Amount
<b>INSTALLATION OF ONE (1) UNIT DEEP WELL WATER SYSTEM AT DIAA</b>					
<b>PHASE 1</b>					
	A. Determining of Deep Well Location	1	ls		
<b>PHASE 2</b>					
	Drilling by Rotary Drilling Method of One (1) Production Well Gravel Pack Design, 300mm (12") Ø with 150mm casing to a depth of approximately 72 meters				
	A. Drilling of Deep Well				
	1.) Mobilization of One (1) Rotary drilling Rig, all equipment and staff to project site. Including mobilization of all staff to project site. Including mobilization of all materials, fuel, drilling water and supervision	1	ls		
	2.) Site Preparation	1	ls		
	3.) Drilling of pilot hole including collection of drilled formation samples every meter of penetration	72	m		
	4.) Geophysical borehole logging	1	ls		
	5.) Supply of B.I. pipe steel casing 150mm (6") x 6mm thick x 6m per length	72	m		
	6.) Installation of casing	72	m		
	7.) Perforation charges 150mm (6") casing	24	m		
	8.) Supply and install of gravel pack	57	m		
	9.) Deflocculate mud cake with polyphosphate	1	ls		
	10.) Development by jetting and Surging	24	hrs		
	11.) Constant discharge pumping test, 5hrs	1	ls		
	12.) Gravel pipe, sounding pipe, well cover	1	ls		
	13.) Cement grouting	15	m		
	14.) Demobilization and site clean-up	1	ls		
	<b>SUB TOTAL</b>				

	B. Supply and Installation of Submersible Pump Set				
	1.) Deep Well Submersible Pump Motor, 3-phase, 7.5HP, 3450 Nameplate RPM, 460 Voltage, 3 Phase, Totally Enclosed Nonventilated, Full Load Amps 23.0, 60 Hz, None Motor Thermal Protection, 1.15 Motor Service Factor, Max. Ambient Temp. 86 Degrees F, Motor Shaft Rotation CCWSE, Dia. 4 In., Height 28-3/16 in., Number of Wires 3, Lead Length 100 In., Shaft Material Splined Stainless Steel, Shell Material Corrosion Resistant Stainless Steel, Pump (model 65GS50 Goulds) 65 gpm output capacity at 210ft TDH and 250meter distance from well to tank (One (1) set to installed, the other set serve as back-up)	2	sets		
	2.) Submersible Cable and grounding cable for submersible pump motor	1	ls		
	3.) Supply of G.I. pipe steel 50mm (2") x 6mm thick x 6m per length, threaded @ both ends, with GI coupling (Sched 40, standard)	9	length		
	4.) EMT Pipe # 1 Standard for electrical (Surface Electrical Connection to Control Panel)	4	length		
	5.) Control Panel with VFD Control Panel with Variable Frequency Drive (VFD). Completely wired and installed in Nema ! General purpose enclosure, rated @7.5Hp, 3 Phase, 60Hz operation. With combination of Wye Delta connection	1	unit		
	6.) Variable Frequency Drive (VFD) For 7.5Hp Submersible Pump (serve as backup/spare)	1	unit		
	7.) Circuit Breaker, with Enclosure 250A 3Ph/460/60Hrs	1	lot		
	8.) Provision of shelter for control box and manhole of cistern tank	1	lot		
	9.) Provision of Spare Parts for Control Panel				
	a.) Magnetic Contactor	5	pcs		
	b.) Thermal Overload	5	pcs		
	c.) On Time Delay	5	pcs		
	d.) Voltage Monitor	5	pcs		
	e.) Stepdown Transformer: Primary 460 Secondary 220 Power 200VA	5	pcs		
	f.) Steel Cabinet (4 drawers)	1	pc		
	<b>SUB TOTAL</b>				
	C. Connection from the additional production Deep Well to Existing DIA Water Tank (Cistern) approximately 100 meters distance				
	1.) Supply of G.I. pipe steel 50mm (2") x 6mm thick x 6m per length, threaded @ both ends, with GI Coupling (Sched 40, standard) 2	3 0	length		
	2.) TW #6 Stranded (Columbia)	9 0 0	m		
	3.) TW #12 Stranded (Columbia)	3	box		
	4.) #2 PVC conduit pipe standard for Electrical	5 0	length		
	5.) EMT Pipe #2 pipe standard for Electrical (for surface electrical connection)	1 0	length		
	6.) Restoration of Existing Main Panel Board for Triplex CPS Pump System of Pressure Booster Pump *Pull out old Controller Panel *Replace all defective Magnetic Contactors, overload relays and other accessories needs	1	ls		

	for system operation *Replace PLC with Scheider Electric Zalio Controller *Programming with triplex system, master slave sequence with daily alternative master pump *Install controller on site *Testing and Commissioning				
	D. Total Labor Cost	1	ls		
	E. Submit detailed as-built drawing (electrical and mechanical)				
	F. Testing and Commissioning				
	<b>SUB TOTAL</b>				
	<b>GRAND TOTAL</b>				
	SUMMARY				
	A. MATERIAL COST				
	B. LABOR COST				
	C. EQUIPMENT COST				
	D. OCM				
	E. PROFIT				
	F. VAT				
	<b>TOTAL COST IN FIGURES</b>				
	<b>TOTAL COST IN WORDS</b>				

Submitted By:

NAME AND SIGNATURE OF BIDDER'S REPRESENTATIVE: \_\_\_\_\_

NAME OF COMPANY: \_\_\_\_\_

DATE: \_\_\_\_\_

(Note: The bidder **shall not** use their own format of Bill of Quantities. The bidder **shall** also provide all the details needed to be provided.)

**TO**

**Name of Project: INSTALLATION OF ONE (1) UNIT DEEP WELL WATER SYSTEM  
AT DIAA**

**Location: Davao International Airport**

**Subject: BILL OF QUANTITIES**

		Qty	Unit	Unit Cost	Amount
<b>INSTALLATION OF ONE (1) UNIT DEEP WELL WATER SYSTEM AT DIAA</b>					
PHASE 1					
	A. Determining of Deep Well Location	1	ls		
PHASE 2					
	Drilling by Rotary Drilling Method of One (1) Production Well Gravel Pack Design, 300mm (12") Ø with 150mm casing to a depth of approximately 72 meters				
A. Drilling of Deep Well					
	1.) Mobilization of One (1) Rotary drilling Rig, all equipment and staff to project site. Including mobilization of all staff to project site. Including mobilization of all materials, fuel, drilling water and supervision	1	ls		
	2.) Site Preparation	1	ls		
	3.) Drilling of pilot hole including collection of drilled formation samples every meter of penetration	72	m		
	4.) Geophysical borehole logging	1	ls		
	5.) Supply of B.I. pipe steel casing 150mm (6") x 6mm thick x 6m per length	72	m		
	6.) Installation of casing	72	m		
	7.) Perforation charges 150mm (6") casing	24	m		
	8.) Supply and install of gravel pack	57	m		
	9.) Deflocculate mud cake with polyphosphate	1	ls		
	10.) Development by jetting, Surging and bailing	24	hrs		
	11.) Air Lifting by compressor	12	hrs		
	12.) Non-stop discharge pumping test, at least 24hrs	1	ls		
	13.) Gravel pipe, sounding pipe, well cover	1	ls		
	14.) Cement grouting	15	m		
	15.) Demobilization and site clean-up	1	ls		
<b>SUB TOTAL</b>					
B. Supply and Installation of Submersible Pump Set					
	4				
	1.) Deep Well Submersible Pump Motor, 3-phase, 7.5HP, 3450 Nameplate RPM, 460 Voltage, 3 Phase, Totally Enclosed Nonventilated, Full Load Amps 23.0, 60 Hz, None Motor Thermal Protection, 1.15 Motor Service Factor, Max. Ambient Temp. 86 Degrees F, Motor Shaft Rotation CCWSE, Dia. 4 In., Height 28-3/16 in., Number of Wires 3, Lead Length 100 In., Shaft Material Splined Stainless Steel, Shell Material Corrosion Resistant Stainless Steel, Pump (model 65GS50 Goulds) 65 gpm output capacity at 210ft TDH and 250meter distance from well to tank (One (1) set to installed, the other set serve as back-up)	2	sets		
	2.) Submersible Cable and grounding cable for	1	ls		

	submersible pump motor				
	3.) Supply of G.I. pipe steel 50mm (2") x 6mm thick x 6m per length, threaded @ both ends, with GI coupling (Sched 40, standard)	9	length		
	4.) EMT Pipe # 1 Standard for electrical (Surface Electrical Connection to Control Panel)	4	length		
	5.) Control Panel with VFD Control Panel with Variable Frequency Drive (VFD). Completely wired and installed in Nema ! General purpose enclosure, rated @7.5Hp, 3 Phase, 60Hz operation. With combination of Wye Delta connection	1	unit		
	6.) Variable Frequency Drive (VFD) For 7.5Hp Submersible Pump (serve as backup/spare)	1	unit		
	7.) Circuit Breaker, with Enclosure 250A 3Ph/460/60Hrs	1	lot		
	8.) Provision of shelter for control box and manhole of cistern tank	1	lot		
	9.) Provision of Spare Parts for Control Panel				
	a.) Magnetic Contactor	5	pcs		
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	d.) Voltage Monitor	5	pcs		
	e.) Stepdown Transformer: Primary 460 Secondary 220 Power 200VA	5	pcs		
	f.) Steel Cabinet (4 drawers)	1	pc		
	<b>SUB TOTAL</b>				
	C. Connection from the additional production Deep Well to Existing DIA Water Tank (Cistern) approximately 100 meters distance				
	1.) Supply of G.I. pipe steel 50mm (2") x 6mm thick x 6m per length, threaded @ both ends, with GI Coupling (Sched 40, standard)	30	length		
	2.) TW #6 Stranded (Columbia)	900	m		
	3.) TW #12 Stranded (Columbia)	3	box		
	4.) #2 PVC conduit pipe standard for Electrical	50	length		
	5.) EMT Pipe #2 pipe standard for Electrical (for surface electrical connection)	10	length		
	6.) Restoration of Existing Main Panel Board for Triplex CPS Pump System of Pressure Booster Pump *Pull out old Controller Panel *Replace all defective Magnetic Contactors, overload relays and other accessories needs for system operation *Replace PLC with Scheider Electric Zalio Controller *Programming with triplex system, master slave sequence with daily alternative master pump *Install controller on site *Testing and Commissioning	1	ls		
	D. Total Labor Cost	1	ls		
	E. Submit detailed as-built drawing (electrical and mechanical)				
	F. Testing and Commissioning				
	<b>SUB TOTAL</b>				

	<b>GRAND TOTAL</b>				
SUMMARY					
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NAME OF COMPANY: \_\_\_\_\_

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(Note: The bidder **shall not** use their own format of Bill of Quantities. The bidder **shall** also provide all the details needed to be provided.)

/// NONE FOLLOWS ///

This Supplemental Bid Bulletin No. 1 shall form part of the Bid Documents. Any provisions in the Bid Documents inconsistent herewith is hereby amended, modified and superseded accordingly.

For the information and guidance of all concerned.

  
**EDGARDO C. CUETO**  
 Chairperson  
 Bids and Awards Committee  
 Civil Aviation Authority of the Philippines – Area XI

**SBB-23-02**