

BAGUIO WATER DISTRICT

BWD Compound, Utility Road, Baguio City 2600

Document No.

ADM-PUR-F006

Revision Date

October 29, 2019

Revision No.

02

PURCHASE ORDER (P.O)

Nº 036361

Supplier / Contractor : KEYLARGO INDUSTRIAL SALES

Purchase Order No. : 36361

Contact Number : 02-284-2856 / 961-52-60 local 218

Date : October 18, 2024

Address / TIN : 1471 Quezon Ave. West Triangle Q.C.

PR No. / Abstract No. : 10-143P-A

Gentlemen / Madam,
Please furnish this Office the following articles subject to the terms and conditions contained herein.

Place of Delivery : ☐ Pick-up
☒ FOB BWD Warehouse
☐ Deliver at Site:

Purchase Order (PO) Valid Until: 30 WORKING DAYS
Warranty: ☐ Six Months ☒ One Year ☐ Others (please specify)

Date of Delivery : ☐ Working Days
☒ Calendar Days upon receipt of PO
20-25 WEEKS

☒ 1% Retention Required
☐ Performance Bond Required (5% if in check / 50% if GSIS surety bond)
☒ Subject to testing / inspection prior to payment

Delivery Term : ☐ Full ☐ Partial Delivery allowed

Payment Term: ☐ COD ☐ 30 Days ☒ Others (please specify)
60 DAYS

Quantity	Unit	Description / Specifications	Unit Cost	Amount
1	set	"Grundfos Denmark" Model: SP17-16 Submersible Deepwell Pump, 100 GPM x 550 feet TDH, 70% efficiency, 3600RPM, 6" Ø std dia. COUPLED TO: "Franklin" (USA) Submersible Deepwell Motor with 25 HP Rating; 230V; 3-phase; 60Hz; 6" std dia.	680,000.00 ₱	680,000.00
1	unit	"Danfoss" (Denmark) MCD60108BT5-S1X-20-CV2 Soft Starter Motor Controller 30HP, 230V, 60Hz, 3-phase, 3600RPM.	150,000.00	150,000.00
1	unit	"Danfoss" (Denmark) Variable Frequency Drive Adaptable to 30HP, 230V, 3-Phase, 60Hz Submersible motor model FC202P22KT2	450,000.00 ₱	450,000.00
X-X-X-X-X-X-X-X-X-X-X-X				1,280,000.00
(Please refer to the attached sheet for complete detailed specifications)				
<div><div>- Maximum Diameter: 6 inches (for item 1)</div><div>- Supplier to provide manufacturer pump test result upon delivery</div><div>- Supplier to provide brochure with full specification and pump curve of offered booster pump</div><div>- Supplier to be present during testing commissioning (for items 2 & 3)</div></div>				

EM

LED

25 OCT 2024

Usage / Requisitioner: For commissioning of Ferguson DW 2

Prepared by: *signed*

Checked by: *signed*

Audited by: *signed*

Recommending Approval: *signed*

Approved by: *signed*

DIC Purchasing Supervisor

Admin. Div.

Internal Auditor

AGM - Adm./Com./Fin.

General Manager

Signature over Printed Name of Supplier

Date




Funds Available: *signed*

Acct.:

Operating / Maintenance Expense ☐




CAPEX ☒

Other Payables ☐




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	PURCHASE ORDER (P.O)		Revision Date	February 15, 2020
			Revision No.	00

Supplier/Contractor	: KEYLARGO INDUSTRIAL SALES	Purchase Order No.	: 36361
Contact Number	: 02-248-2856/961-52-60 local 218	Date	: October 18,2024
Address / TIN	: 1471 Quezon Ave. West Triangle Quezon City	PR No./Abstract No.	: 10-143P-A

Qty	Unit	Description	Unit Cost	Amount
1	set	"Grundfos Denmark" Model: SP17-16 Submersible Deepwell Pump	680,000.00	680,000.00
		I. General Requirements:		
		Capacity: 100 GPM		
		TDH: 550 feet		
		Eff. @ Rated Capacity: 70%		
		Speed (Nominal): 3600 rpm		
		Discharge Nipple with coupling: 3" x 12" Schedule 80, BI		
		Diameter coupling: 3" Ø Schedule 80, BI		
		Check valve and Strainer:		
		- Standard built-in stop ring to prevent upthrust damage during critical start up and stopping phase		
		- Capable to handle sand content from 50 to 150ppm on certain pump sizes.		
		- Coupling: NEMA Standard Spline Type		
		II. Material Components:		
		Valve Casing: Stainless Steel		
		Valve Cup: Stainless Steel		
		For pump capacity: 17-60 cum/hr: NBR-FKM-LSR		
		Bearing:		
		- Replaceable wear ring, bearing and neck ring for easy maintenance		
		- Sealed top bearing for high resistance against sand		
		- Octagonal shape bearings with sand flush channels to reduce abrasive wear		
		For pump capacity: 17-60 cum/hr: NBR-FKM		
		Washer for stop ring: Carbon / Graphite HY22 in PTEE mass		
		Chamber: Stainless Steel		
		Impeller: Stainless Steel		
		Suction interconnector: Cast Stainless Steel		
		Shaft complete: Stainless Steel		
		Strap: Stainless Steel		
		Cable guard: Stainless Steel		
		Strainer: Stainless Steel		
		Valve seat:		
		For pump capacity: 1-5 cum/hr: Rubber Type/NBR		
		For pump capacity: 7-14 cum/hr: NBR-FKM		
		For pump capacity: 17-60 cum/hr: NBR-FKM		
		For pump capacity: 77 cum & above NBR-FKM		
		III. Others		
		Discharge nipple: 3" Ø x 12" L, S-80, BI or SS		
		Discharge coupling: 3" Ø, S-80, BI or SS		

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Qty	Unit	Description	Unit Cost	Amount
		IV. Must Submit Authenticated Certificate of Dealership / Distributorship with Red Ribbon		
		V. ISO Certified		
		Coupled and aligned with Heavy Duty Mounting Base to:		
		"Franklin" (USA) Submersible Motor		
		Submersible Motor features as follow:		
		I. General Requirements:		
		Rating: 25HP		
		Nominal Voltage (V): 230 Volts		
		Number of Phase: 3 Phase		
		Frequency: 60Hz.		
		Standard Diameter: 6 Inch		
		Lead Wire / Cables: Plug-in or Detachable		
		Rotor Spline: NEMA Standard		
		II. Material Components for standard water well 6" Ø Standard		
		End Castings: Gray Iron		
		Stator Shell: 301 SS		
		Stator Ends: Low Carbon Steel		
		Shaft Extension: 303 SS (5-30HP)		
		Fasteners: 300 & 400 Series SS		
		Seal Cover: 304 SS & Sintered Bronze		
		Seal: Carbon Ceramic Face		
		Diaphragm: Nitrile		
		Diaphragm Plate: 304 SS		
		Diaphragm Spring: 302 SS		
		Diaphragm Cover:		
		Slinger: Nitrile		
		Lead Wire (or Cable): XLPE 125°C		
		Lead Potting: Epoxy		
		Lead Jam Nut:		
		Filter: Delrin & Polyester		
		III. Must submit the authenticated certificate of dealership/distributorship with a red ribbon		
		IV. ISO certified		
		<ul style="list-style-type: none"> Maximum Diameter: 6 inches Supplier to provide manufacturer pump test result upon delivery Supplier to provide brochure with full specifications and pump curve of offered booster pump 		
1	unit	"Danfoss" (Denmark) Soft Starter Motor Controller	150,000.00	150,000.00
		Model: MCD60108BT5-S1X-20-CV2		
		Capacity of Motor to be controlled by the Soft Starter		




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Qty	Unit	Description	Unit Cost	Amount
		Motor rating: 30HP		
		Voltage Rating: 230V nominal		
		Supply Frequency: 60Hz		
		Number of Phase: 3 Phase		
		Speed (Nom): 3600 RPM		
		Soft Starter Specifications:		
		1. Main Voltage		
		L1, L2, L3 200VAC – 230VAC (+/-10%)		
		2. Control Voltage		
		(A4, A6) 220VAC – 240VAC (+/-15%)		
		Main Frequency 60Hz (+/-10%)		
		Rated insulation Voltage to earth: 600VAC		
		Rated impulse withstand voltage: 4kV		
		3. Short Circuit Capability		
		Coordination: Semi-conductor fuses		
		Prospective current: 65kA		
		4. Outputs		
		Relay outputs: 10A@250VAC resistive		
		Programmable outputs: 1 (NC), 1 (NO), 1 (CO)		
		Analogue outputs: 4-20mA		
		Maximum load: 600Ω (12VDC @ 20mA accuracy +/-5%)		
		24VDC output, maximum load: 200Ma (accuracy +/-10%)		
		5. Environmental		
		Protection: IP20 & NEMA, UL indoor type 1		
		Operating temperature: -10°C to 60°C		
		Storage temperature: -25°C to 60°C		
		6. Heat Dissipation		
		During start: 4.5 watts per ampere		
		-Supplier to be present during testing commissioning		
1	unit	"Danfoss" (Denmark) Variable Frequency Drive Adaptable to 30HP, 230V, 3-phase, 60Hz Submersible Motor	450,000.00	450,000.00
		Model: FC202P22KT2		
		Standard Specifications for Variable Frequency Drive		
		1. MAIN SUPPLY (L1, L2, L3)		
		Supply Voltage: 3 x 230V-240 VAC		
		Supply Frequency: 60Hz		
		Displacement Power Factor: > 0.98		
		True Power Factor: 0.9		
		Switching on Input Supply L1, L2, L3: 1 – 2 times / minute		
		2. OUTPUT DATA (U, V, W)		
		Output Voltage: 0-100%		
		Switching on Output: Unlimited		



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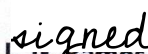


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Qty	Unit	Description	Unit Cost	Amount
		Ramp Times: 0.1 – 3600 seconds		
		Maximum Output Frequency: 590 Hz		
		3. DIGITAL INPUTS		
		Programmable Digital Inputs: 6		
		Logic: PNP		
		Voltage Level: 0-24V DC		
		4. ANALOGUE INPUTS		
		Number of Analogue Inputs: 2		
		Modes: Current		
		Voltage Level: -10 to +10 (scaleable)		
		Current Level: 0/4 to 20mA (scaleable)		
		5. PULSE INPUTS		
		Programmable Pulse Inputs: 2		
		Voltage Level: 0-24V DC (PNP positive logic)		
		Pulse Input Accuracy: Max. error: 0.1% of full scale		
		6. ANALOGUE OUTPUT		
		Programmable Analogue Outputs: 1		
		Current Range at Analogue Output: 0/4 – 20mA		
		7. RELAY OUTPUTS		
		Programmable Relay Outputs: 2		
		8. FIELDBUS COMMUNICATION: Ethernet IP		
		9. AMBIENT TEMPERATURE: Up to 55°C		
		10. HARDWARE SPECIFICATIONS: IP 54 Enclosure		
		11. OTHER ACCESSORIES		
		Pressure Transmitter: 25 Bars		
		-Supplier to be present during testing commissioning		

Total: ₱1,280,000.00

Usage: For Commissioning of Ferguson DW

Prepared by:	Checked by:	Audited by:	Recommending Approval:	Approved by:
 P.M.A. Trajano OIC-SMPO	 Atty. C.D. De Guzman-Bitao Administrative Manager	 L.G. Ramos Internal Auditor	 Atty. M.C. Lenedero AGM Adm./Com./Fin./ICT	 Engr. Salvador M. Royeca General Manager

  	BAGUIO WATER DISTRICT		Document Code: BAC_IH
	Bids and Awards Committee		Document No. BAC_IH_F002
	(In-house)		Effective Date: 16 March 2020
	RESOLUTION		Revision No. 00

BIDS AND AWARDS COMMITTEE
RESOLUTION NO. 138-2024
Request for Quotation (RQ) No. 07-143P-A
Submersible Pump and Motor, Soft Starter, and
Variable Frequency Drive

WHEREAS, the Baguio Water District-Bids and Awards Committee (BWD-BAC), in accordance with the provisions of Republic Act (RA) No. 9184 and its Revised Implementing Rules and Regulations (IRR), conducted the bidding for the procurement of the following, all with required specifications under RQ No. 07-143P-A dated 23 July 2024, under a two-envelope system of bidding to be awarded on a one (1) lot basis, and with the respective approved budget unit costs (ABC) of:

Quantity	Description	ABC (per set/unit)
1 set	Submersible Pump coupled to:	Php680,000.00
	Submersible Motor	
1 unit	Soft Starter Adaptable to 30hp, 230v nominal, 3 phase, 60Hz submersible motor	Php150,000.00
1 unit	Variable Frequency Drive Adaptable to 30hp, 230v, 3 phase, 60Hz submersible motor	Php450,000.00

WHEREAS, only **KEYLARGO INDUSTRIAL SALES** submitted its bids and during the opening of the technical bids on 22 August 2024, it was determined that the lone bidder submitted complete documentary requirements;

WHEREAS, upon evaluation by the Technical Working Group of the offers of the lone bidder, it was determined that the said bidder submitted complying offers, thus, its financial bids were opened and the bids as read and calculated are as follows:

DESCRIPTION	QUANTITY	BID PRICE (per set/unit)	% VARIANCE FROM ABC	ABC (per set/unit)
KEYLARGO INDUSTRIAL SALES				
Submersible Pump coupled to: Submersible Motor	1 set	Php680,000.00	-0-	Php680,000.00
Soft Starter Adaptable to 30hp, 230v nominal, 3 phase, 60Hz submersible motor	1 unit	Php150,000.00	-0-	Php150,000.00
Variable Frequency Drive Adaptable to 30hp, 230v, 3 phase, 60Hz submersible motor	1 unit	Php450,000.00	-0-	Php450,000.00

WHEREAS, upon post-qualification, careful examination, validation, and verification of all the documents submitted by and of the financial bids of the complying bidder, it has been determined that **KEYLARGO INDUSTRIAL SALES** submitted complete documents and its financial bids are determined to be the lone calculated responsive bids;

NOW THEREFORE, on motion duly seconded, be it

RESOLVED, as it is hereby resolved, to recommend to the Head of the Procuring Entity (HoPE) awarding the procurement of the above-mentioned items to **KEYLARGO INDUSTRIAL SALES**, with the offered brands, specifications, and bid prices for being the lone calculated responsive bidder.

UNANIMOUSLY APPROVED (19 September 2024)

Signed
Geovani L. Piza
Vice-Chairperson

Signed
Joana D. Caramé
Member

Signed
Engr. Janel J. Balangcod
Member

Signed
Engr. Dominic T. Agusdan
Member

Signed
Atty. Chelsea S. De la Rosa
Member

Signed
Atty. Ma. Luisa C. Tenedero
Chairperson

Attested by:

Signed
Apple Jane P. Aviles
Secretariat

Signed
Sharlene M. Durante
Secretariat

Approved by:

Signed
Engr. Salvador M. Royeca
General Manager