	<b>BAGUIO WATER DISTRICT</b> BWD Compound, Utility Road, Baguio City 2600	Document No.	ADM-PUR-F006
	<b>PURCHASE ORDER (P.O.)</b>	Revision Date	October 29, 2019
		Revision No.	02

Nº 036383

Supplier / Contractor	: KEYLARGO INDUSTRIAL SALES	Purchase Order No.	: 36383
Contact Number	: 02-284-2856 / 961-52-60 local 218	Date	: October 29, 2024
Address / TIN	: 1471 Quezon Ave. West Triangle Q.C.	PR No. / Abstract No.	: 10-103P-A-R

Gentlemen / Madam,

Please furnish this Office the following articles subject to the terms and conditions contained herein.

Place of Delivery : <input type="checkbox"/> Pick-up <input checked="" type="checkbox"/> FOB BWD Warehouse <input type="checkbox"/> Deliver at Site:	Purchase Order (PO) Valid Until: 30 DAYS Warranty: <input type="checkbox"/> Six Months <input checked="" type="checkbox"/> One Year <input type="checkbox"/> Others (please specify)
Date of Delivery : <input type="checkbox"/> Working Days <input checked="" type="checkbox"/> Calendar Days upon receipt of PO 20-25 WEEKS	<input checked="" type="checkbox"/> 1% Retention Required <input type="checkbox"/> Performance Bond Required (5% if in check / 50% if GSIS surety bond) <input checked="" type="checkbox"/> Subject to testing / inspection prior to payment
Delivery Term : <input type="checkbox"/> Full <input type="checkbox"/> Partial Delivery allowed	Payment Term: <input type="checkbox"/> COD <input type="checkbox"/> 30 Days <input checked="" type="checkbox"/> Others (please specify) 60 DAYS

Quantity	Unit	Description / Specifications	Unit Cost	Amount
1	set	"Grundfos Denmark" Model: SP46-15 Submersible Deepwell Pump, 200 GPM x 700 feet TDH, 75% efficiency, 3600RPM, 6" Ø std dia. COUPLED TO: "Franklin" (USA) Submersible Deepwell Motor with 60 HP, Rating: 460V; 3-phase; 60Hz; 6" std dia.	800,000.00 P	800,000.00
1	unit	"Danfoss"(Denmark)MCD60129BT7-S1X-20-CV2 Soft Starter Motor Controller 75HP, 460V, 60Hz, 3-phase, 3600RPM.	180,000.00	180,000.00
1	unit	"Danfoss"(Denmark) Variable Frequency Drive Adaptable to 75HP, 460V, 3-Phase, 60Hz Submersible motor model FC202P55KT4	500,000.00	500,000.00
X-X-X-X-X-X-X-X-X-X-X			P	1,480,000.00
(Please refer to the attached sheet for complete detailed specifications)				

- Maximum Diameter: 6 inches (for item 1)
- Supplier to provide manufacturer pump test result upon delivery
- Supplier to provide brochure with full specification and pump curve of offered booster pump
- Supplier to be present during testing commissioning (for items 2 & 3)






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05 NOV 2024

Usage / Requisitioner: For commissioning of Amparo DW 7


Prepared by: <u>signed</u> PAUL RAJANO OIC Purchasing Supervisor	Checked by: <u>signed</u> ATTY. CHANELL DOLOR D/LE GUZMAN-BITAO Admin. Divis.	Audited by: <u>signed</u> JOSEVIMIN G. RAMOS Internal Auditor	Recommending Approval: <u>signed</u> ATTY. MA. LIZMA C. TENEDERO AGM-Adm./Com./Fin.	Approved by: <u>signed</u> ENGR. SALVADOR M. ROYCEA General Manager
Conforme: _____ Signature over Printed Name of Supplier		Date: _____		
Funds Available: <u>signed</u> JELYN O. PENALES Finance Manager	Acct.: Operating / Maintenance Expense <input type="checkbox"/> CAPEX <input checked="" type="checkbox"/> Other Payables <input type="checkbox"/>			



  	<b>BAGUIO WATER DISTRICT</b> <b>BWD Compound, Utility Road, Baguio City 2600</b>		Document No.	ADM-PUR-F006
	<b>PURCHASE ORDER (P.O)</b>		Revision Date	February 15, 2020
			Revision No.	00

Supplier/Contractor	: KEYLARGO INDUSTRIAL SALES	Purchase Order No.	: 36383
Contact Number	: 02-248-2856/961-52-60 local 218	Date	: October 29,2024
Address / TIN	: 1471 Quezon Ave. West Triangle Quezon City	PR No./Abstract No.	: 10-103P-A-R




Qty	Unit	Description	Unit Cost	Amount
1	set	"Grundfos Denmark" Model: SP46-15 Submersible Deepwell Pump	800,000.00	800,000.00
		<b>I. General Requirements:</b>		
		Capacity: <b>200 GPM</b>		
		TDH: <b>700 feet</b>		
		Eff. @ Rated Capacity: <b>75%</b>		
		Speed (Nominal): <b>3600 rpm</b>		
		Discharge Nipple with coupling: <b>3" x 12" Schedule 80, BI</b>		
		Diameter coupling: <b>3" Ø Schedule 80, BI</b>		
		<b>Check valve and Strainer:</b>		
		- 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		
		<b>II. Material Components:</b>		
		Valve Casing: <b>Stainless Steel</b>		
		Valve Cup: <b>Stainless Steel</b>		
		For pump capacity: 17-60 cum/hr: <b>NBR-FKM-LSR</b>		
		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: <b>NBR-FKM</b>		
		Washer for stop ring: <b>Carbon / Graphite HY22 in PTEE mass</b>		
		Chamber: <b>Stainless Steel</b>		
		Impeller: <b>Stainless Steel</b>		
		Suction interconnector: <b>Cast Stainless Steel</b>		
		Shaft complete: <b>Stainless Steel</b>		
		Strap: <b>Stainless Steel</b>		
		Cable guard: <b>Stainless Steel</b>		
		Strainer: <b>Stainless Steel</b>		
		Valve seat:		
		For pump capacity: 17-60 cum/hr: <b>NBR-FKM</b>		
		<b>III. Others</b>		
		Discharge nipple: <b>3" Ø x 12" S-80, BI</b>		
		Discharge coupling: <b>3" Ø, S-80, BI</b>		
		<b>IV. Must Submit Authenticated Certificate of Dealership / Distributorship with Red Ribbon</b>		
		<b>V. ISO Certified</b>		



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  	<b>BAGUIO WATER DISTRICT</b> <b>BWD Compound, Utility Road, Baguio City 2600</b>		Document No.	ADM-PUR-F006
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Qty	Unit	Description	Unit Cost	Amount
		<b>Coupled and aligned with Heavy Duty Mounting Base to:</b>		
		<b>"Franklin" (USA) Submersible Motor</b>		
		<b>Submersible Motor features as follow:</b>		
		<b>I. General Requirements:</b>		
		Rating: <b>60HP</b>		
		Nominal Voltage (V): <b>460 Volts</b>		
		Number of Phase: <b>3 Phase</b>		
		Frequency: <b>60Hz.</b>		
		Standard Diameter: <b>6 Inch</b>		
		Lead Wire / Cables: <b>Plug-in or Detachable</b>		
		Rotor Spline: <b>NEMA Standard</b>		
		<b>II. Material Components for standard water well 6" Ø Standard</b>		
		End Castings: <b>Gray Iron</b>		
		Stator Shell: <b>301 SS</b>		
		Stator Ends: <b>Low Carbon Steel</b>		
		Shaft Extension: <b>17-4 SS (40-60 Hp)</b>		
		Fasteners: <b>300 &amp; 400 Series SS</b>		
		Seal Cover: <b>304 SS &amp; Sintered Bronze</b>		
		Seal: <b>Carbon Ceramic Face</b>		
		Diaphragm: <b>Nitrile</b>		
		Diaphragm Plate: <b>304 SS</b>		
		Diaphragm Spring: <b>302 SS</b>		
		Diaphragm Cover:		
		Slinger: <b>Nitrile</b>		
		Lead Wire (or Cable): <b>XLPE 125°C</b>		
		Lead Potting: <b>Epoxy</b>		
		Lead Jam Nut:		
		Filter: <b>Delrin &amp; Polyester</b>		
		<b>III. Must submit the authenticated certificate of dealership/distributorship with a red ribbon</b>		
		<b>IV. ISO certified</b>		
		• 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	<b>"Danfoss" (Denmark) Soft Starter Motor Controller</b>	180,000.00	180,000.00
		<b>Model: MCD60129BT7-S1X-20-CV2</b>		
		Capacity of Motor to be controlled by the Soft Starter		
		Motor rating: <b>75HP</b>		
		Voltage Rating: <b>460V nominal</b>		
		Supply Frequency: <b>60Hz</b>		






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  	<p align="center"><b>BAGUIO WATER DISTRICT</b>  <b>BWD Compound, Utility Road, Baguio City 2600</b></p> <p align="center"><b>PURCHASE ORDER (P.O)</b></p>	Document No. Revision Date Revision No.	ADM-PUR-F006 February 15, 2020 00
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Qty	Unit	Description	Unit Cost	Amount
		Number of Phase: <b>3 Phase</b>		
		Speed (Nom): <b>3600 RPM</b>		
		<b>Soft Starter Specifications:</b>		
		<b>1. Main Voltage</b>		
		L1, L2, L3 380VAC – 600VAC (+/-10%)		
		<b>2. Control Voltage</b>		
		(A4, A6) 220VAC – 240VAC (+/-15%)		
		Main Frequency 60Hz (+/-10%)		
		Rated insulation Voltage to earth: 600VAC		
		Rated impulse withstand voltage: 4kV		
		<b>3. Short Circuit Capability</b>		
		Coordination: Semi-conductor fuses		
		Prospective current: 65kA		
		<b>4. Outputs</b>		
		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%)		
		<b>5. Environmental</b>		
		Protection: IP20 & NEMA, UL indoor type 1		
		Operating temperature: -10°C to 60°C		
		Storage temperature: -25°C to 60°C		
		<b>6. Heat Dissipation</b>		
		During start: 4.5 watts per ampere		
		-Supplier to be present during testing commissioning		
		Note: Soft Starter should be equipped with SCADA ready device		
		- Bidder to submit certificate of sole distributorship		
1	unit	<b>"Danfoss" (Denmark) Variable Frequency Drive Adaptable to 75HP, 460V, 3-phase, 60Hz Submersible Motor</b>	500,000.00	500,000.00
		<b>Model: FC202P55KT4</b>		
		<b>Standard Specifications for Variable Frequency Drive</b>		
		<b>1. MAIN SUPPLY (L1, L2, L3)</b>		
		Supply Voltage: 3 x 380V-480 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		
		<b>2. OUTPUT DATA (U, V, W)</b>		
		Output Voltage: 0-100%		
		Switching on Output: Unlimited		
		Ramp Times: 0.1 – 3600 seconds		
		Maximum Output Frequency: 590 Hz		







  	<b>BAGUIO WATER DISTRICT</b> <b>BWD Compound, Utility Road, Baguio City 2600</b>	Document No.	ADM-PUR-F006
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Qty	Unit	Description	Unit Cost	Amount
		<b>3. DIGITAL INPUTS</b>		
		Programmable Digital Inputs: 6		
		Logic: PNP		
		Voltage Level: 0-24V DC		
		<b>4. ANALOGUE INPUTS</b>		
		Number of Analogue Inputs: 2		
		Modes: Current		
		Voltage Level: -10 to +10 (scaleable)		
		Current Level: 0/4 to 20mA (scaleable)		
		<b>5. PULSE INPUTS</b>		
		Programmable Pulse Inputs: 2		
		Voltage Level: 0-24V DC (PNP positive logic)		
		Pulse Input Accuracy: Max. error: 0.1% of full scale		
		<b>6. ANALOGUE OUTPUT</b>		
		Programmable Analogue Outputs: 1		
		Current Range at Analogue Output: 0/4 – 20mA		
		<b>7. RELAY OUTPUTS</b>		
		Programmable Relay Outputs: 2		
		<b>8. FIELDBUS COMMUNICATION:</b> Ethernet IP		
		<b>9. AMBIENT TEMPERATURE:</b> Up to 55°C		
		<b>10. HARDWARE SPECIFICATIONS:</b> IP 55 Enclosure		
		<b>11. OTHER ACCESSORIES</b>		
		Pressure Transmitter: 25 Bars		
		-Supplier to be present during testing commissioning.		
		Note Supplier to submit sole/exclusive distributorship certificate.		

Total: ₱1,480,000.00

Usage: For Commissioning of Amparo DW 7

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

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

**BIDS AND AWARDS COMMITTEE**  
**RESOLUTION NO. 154-2024**  
Request for Quotation (RQ) No. 08-103P-A-R  
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. 08-103P-A-R dated 19 August 2024, under a two-envelope system of bidding to be awarded on a one (1) lot basis, and with the respective approved budget costs (ABC) of:

Quantity	Description	ABC (per set/unit)
1 set	Submersible Pump, 200gpm coupled to Submersible Motor 60 Hp	Php800,000.00
1 unit	Soft Starter Adaptable to 75hp, 460v nominal, 3 phase, 60Hz submersible motor	Php180,000.00
1 unit	Variable Frequency Drive Adaptable to 75hp, 460v, 3 phase, 60Hz submersible motor	Php500,000.00

**WHEREAS,** only **KEYLARGO INDUSTRIAL SALES** submitted its bids and during the opening of the technical bids on 18 September 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 on 30 September 2024 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, 200gpm coupled to Submersible Motor 60 Hp	1 set	Php800,000.00	-0-	Php800,000.00
Soft Starter Adaptable to 75hp, 460v nominal, 3 phase, 60Hz submersible motor	1 unit	Php180,000.00	-0-	Php180,000.00
Variable Frequency Drive Adaptable to 75hp, 460v, 3 phase, 60Hz submersible motor	1 unit	Php500,000.00	-0-	Php500,000.00

**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 one (1) set Submersible Pump, 200gpm coupled to Submersible Motor 60 Hp, one (1) unit Soft Starter Adaptable to 75hp, 460v nominal, 3 phase, 60Hz submersible motor and one (1) unit Variable Frequency Drive Adaptable to 75hp, 460v, 3 phase, 60Hz submersible motor* to **KEYLARGO INDUSTRIAL SALES**, with the offered brands, specifications, and bid prices for being the lone calculated responsive bidder.

**UNANIMOUSLY APPROVED (30 September 2024)**

*Signed*  
**Geovani L. Piza**  
Vice-Chairperson

*Signed*  
**Engr. Jake D. Bawing**  
Member

*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