	<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 036434


Supplier / Contractor : KEYLARGO INDUSTRIAL SALES	Purchase Order No. : 36434
Contact Number : 02-284-2856 / 961-52-60 local 218	Date : December 10, 2024
Address / TIN : 1471 Quezon Ave. West Triangle Q.C.	PR No. / Abstract No. : 11-174P

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 : _____ Working Days _____ Calendar Days upon receipt of PO 10-25 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
4	sets	"Grundfos" (Denmark) Vertical Multistage Centrifugal Pump & Motor Pump Model: CRN45-6-1-E-F-A-E-HQQE, 200 USGPM, 600 feet, coupled to Induction Motor 50HP, 230V/460V, 60Hz, 3600 RPM, 2 Poles, 3-Phase, Class F Insulation, 93.0% efficiency at full load, TEFC enclose class.  Complete with Motor Control: "Danfoss" (Denmark) Soft Starter Motor Controller adaptable to Vertical Multistage Centrifugal Motor model: MCD60171BT5S2X00CV2 Rating: 50HP, 230V (Nominal), 3-Phase, 60Hz Capacity of Pressure Transmitter of: 25 bars Control Body: IP20 (can be utilized as control shall be installed with in control panel)  X-X-X-X-X-X-X-X-X-X-X-X (Please refer to the attached sheet for complete detailed speciifications) - For on-site delivery - Supplier to provide high tensile mounting bolts for pump base - Supplier to provide BNG and flanges for both suction and discharge ports - Supplier to provide manufacturer pump test result upon delivery - Supplier to provide brochure with full specification and pump curve of offered booster pump	1,364,000.00 ₱	5,456,000.00

**EMAILED**  
17 DEC 2024

Usage / Requisitioner: For Pinsao 2, Buyog and Celestial Booster Pump

Prepared by: <u>signed</u> PAUL R. RABANO Purchasing Supervisor Conforme:	Checked by: <u>signed</u> DEC 11 2024 ATTY. CHANELL DOLOR D. PEREZ-BITAO Admin. Division Manager	Audited by: <u>signed</u> LUZVIMIN G. RAMON Internal Audit	Recommending Approval: <u>signed</u> JALIT. MAX JESUA C. TENEDERO AGM-Adm./Com./Fin.	Approved by: <u>signed</u> ENGR. SALVADOR M. RUJELA General Manager c/o/25
Signature over Printed Name of Supplier		Date		
Funds Available: <u>signed</u> JELYN V. 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.	: 36434
Contact Number	: 02-248-2856/961-52-60 local 218	Date	: December 10, 2024
Address / TIN	: 1471 Quezon Ave. West Triangle Quezon City	PR No./Abstract No.	: 11-174P

Qty	Unit	Description	Unit Cost	Amount
4	sets	"GRUNDFOS" (Denmark) Vertical Multistage Centrifugal Pump and Motor Model: CRN45-6-1-E-F-A-E-HQQE	1,364,000.00	5,456,000.00
		Motor Specifications:		
		- Type: Induction		
		- HP Rating: 50HP		
		- Nominal Voltage: 230V/460V		
		- Supply Frequency: 60Hz		
		- Number of Poles: 2 Poles		
		- Nominal Speed: 3600 RPM		
		- Number of Phase: 3Φ		
		- Insulation Class: F		
		- Efficiency at full load: 93.0%		
		- Enclose Class: TEFC		
		Coupled and aligned with Heavy Duty Mounting Base to:		
		Pump Requirement:		
		- Capacity: 200 USGPM		
		- TDH: 600ft		
		Construction Material:		
		Shaft Seal: Cartridge Type		
		Shaft Seal Material: HQQE		
		Pump Head: Cast Iron / Stainless Steel (updated specs)		
		Pump Shaft: Stainless Steel		
		Impeller: Stainless Steel		
		Chamber: Stainless Steel		
		Outer Sleeve: Stainless Steel		
		Base: Cast iron / Stainless Steel (updated specs)		
		Neck Ring: Polyetheretherketone (PEEK)		
		Support Bearing: PTFE		
		Bearing Rings: Silicon Carbide		
		Pump Efficiency: 76.1%		
		Complete with Motor Control:		
		"Danfoss" (Denmark) Soft Starter Motor Controller adaptable to 50HP, 230V (nominal), 3 phase, 60Hz, Vertical motor model MCD60171BT5S2X00CV2		
		Soft Starter Specifications:		






EM

LED

17 DEC 2024



  	<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>1. Main Voltage</b>		
		L1, L2, L3 200VAC – 300VAC (+/- 10%)		
		<b>2. Control Voltage</b>		
		(A4, A6) 220-240VAC (+10% / -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		

EM LED  
17 DEC 2024  
Total: ₱5,456,000.00

Usage: For Pinsao 2, Buyog and Celestial Booster Pump

Prepared by:	Checked by:	Audited by:	Recommending Approval:	Approved by:
<i>signed</i> P. A. Trajano OIC-SMPO	<i>signed</i> DEC 11 Atty. C.D. De Guzman-Butao Administrative Manager	<i>signed</i> L. G. Ramos Internal Auditor	<i>signed</i> Atty. M.C. Tenedero AGM Adm./Com./Fin./ICT	<i>signed</i> Engr. Salvador M. Koyeca General Manager



## RESOLUTION

Revision No. 00

*Signed*  
**Engr. Salvador M. Royeca**  
*General Manager*