





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 036466

Contact Number	02 204 2056 (061 52 60 local 219		Date December 26, 2024 PR No. / Abstract No.2-154P-A		
Address / TIN	: 02-284-2856 / 961-52-60 local 218 : 1471 Quezon Ave. West Triangle Q.C.				
		1140.7	Abstract No.		
Gentlemen / Madam,	the following articles subject to the terr	ms and conditions contains	d herein		
lace of Delivery : Pic		Purchase Order (PO) Valid			
	B BWD Warehouse	Warranty: Six Months		lease specify)	
	liver at Site:	I SIX MONOTO	Z one real others (p	rease speeding,	
Date of Delivery :	Working Days	≥ 1% Retention Require	ed .		
	Calendar Days upon receipt of PO		equired (5% if in check/ 50% if GSIS	surety bond)	
20-25	with.		spection prior to payment	1	
elivery Term : Ful	Partial Delivery allowed	Payment Term: COD	30 Days Others (p		
			CO Drot	,	
Quantity Unit	Description/ Sp	ecifications	Unit Cost	Amount	
1 set	"Grundfos"(Denmark) Model: SP30-16 St 150 GPM (34.05 cu m/hr)x 600 ft (182.93 Discharge Nipple with coupling: 12" School COUPLED TO: "Franklin" (USA) Submersible Deepwell M 60 Hz, 6 inch, Plug-in or detachable Lead	M) TDH, 70% efficiency, 360 edule 80, Bl; 6"Ø Std. Notor, 40HP, 460Volts, 3 pha	окрм.	419,000.00	
1 set	"Danfoss" (Denmark) Soft Starter Motor Submersible Deepwell Motor model: MC Rating: 40HP, 460V (Nominal), 3-Phase, Capacity of Pressure Transmitter of: 25 b Control Body: IP20_(can be utilized as control panel)	D60086BT7S120CV2 60Hz _{pars}	164,000.00	164,000.00	
1 unit	"Danfoss" (Denmark) Variable Frequency Submersible Deepwell Motor model: FC2 Rating: 40HP, 230V, 3-Phase, 60Hz Capacity of Pressure Transmitter of: 25 b Control Body: IP55 Enclosure (can be util control panel)	02P37KT4 \	393,000.00	393,000.00 976,000.00	
	x-x-x-x-x-x-x	-x-x-x-x			
	(Please refer to the attached sheet for c	complete detailed specifiaction	ons)	Marie Address of the Control of the	
Usage / Requisitioner:	For Commissioning of new Queen of Ang			LED N 2025	
repared by: Che	cked by. At	udited by Recomm	ending Approval: Appro	med by:	
signed PAUJTRAJANO ATT	TY. CHAMELL DOLOG D. DE GUZMAN-BITAO I	signed UZVIMING RAPIOS ATTY		signed R. SALVADOR M. ROYE	
Conforme:	Admin. Division Wallager	Internal Auditor	AGM-Adm./Com./Fin.	General Manager	
			100	a/27/2	
pi .	over Printed Name of Supplier	Date			
Signature	· · · · · · · · · · · · · · · · · · ·	Acct:			
Funds Available:					



ADM-PUR-F006 February 15, 2020 Revision Date Revision No.

PURCHASE ORDER (P.O)

Supplier/Contractor	:	KEYLARGO INDUSTRIAL SALES	Purchase Order No.	:	36466
Contact Number	:	02-248-2856/961-52-60 local 218	Date	:	December 26,2024
Address/ TIN	:	1471 Quezon Ave. West Triangle Quezon City ,	PR No./Abstract No.	:	12-154P-A

Qty	Unit	Description	Unit Cost	Amount
1 .	set 💉	"Grundfos" (Denmark) Model: SP30-16 Submersible Deepwell Pump	419,000.00	419,000.00
		I. General Requirements: '	10	
		Capacity: 150 GPM		
	must on	TDH: 600 feet		
		Eff. @ Rated Capacity: 70% **		
		Speed (Nominal): 3600 rpm		
		Discharge Nipple with coupling: 3"Ø x 12" Schedule 80, BI •		
		Diameter coupling: 3" Ø Schedule 80, Bl		
		Check valve and Strainer:		
	mir Xon	- 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	HARLIN TAY	
		II. Material Components:		
	674 SY	Valve Casing: Stainless Steel		
	L'Eggs	Valve Cup: Stainless Steel		
100	1	For pump capacity: 17-60 cum/hr: NBR-FKM-LSR		
- Day	-	Bearing:		
		- Replaceable wear ring, bearing and neck ring for easy maintenance.	III 8 1 1 1 2 2	367 -
		- Sealed top bearing for high resistance against sand	Charles and the	50
	II ZINA	- Octagonal shape bearings with sand flush channels to reduce abrasive wear		
		For pump capacity: 17-60 cum/hr: NBR-FKM		
	at tweety	Washer for stop ring: Carbon / Graphite HY22 in PTEE mass		
1100	40	Chamber: Stainless Steel		
		Impeller: Stainless Steel	THE PART OF THE	
		Suction interconnector: Cast Stainless Steel		
	4	Shaft complete: Stainless Steel		
		Strap: Stainless Steel	FN	LED
		Cable guard: Stainless Steel	0.0	
		Strainer: Stainless Steel	U 3 JAN	2025
	E. 21	Valve seat:	I San All San	
	(1)	For pump capacity: 17-60 cum/hr: NBR-FKM		
2		III. Others	Mark Street	of the second
		Discharge nipple: 3" Ø x 12" ,S-80 , BI	4	
		Discharge coupling: 3" Ø, S-80,BI	100	



Document No. ADM-PUR-F006

Revision Date February 15, 2020

Revision No. 00

PURCHASE ORDER (P.O)

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: 40HP		
		Nominal Voltage (V): 460 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: 17-4 SS (40-60HP)		
		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		
911		Diaphragm Cover:	3-92 11-3	
		Slinger: Nitrile		
		Lead Wire (or Cable): XLPE 125°C	FM	TED
		Lead Potting: Epoxy		
		Lead Jam Nut:	0 3 101	v 2025
		Filter: Delrin & Polyester	U U JA	2023
		III. Must submit the authenticated certificate of		
		dealership/distributorship with a red ribbon		
		IV. ISO certified		
		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	164,000.00	164,000.00
	3.7.114	Model: MCD 60086BT7S1X20CV2		104,000.00
		Capacity of Motor to be controlled by the Soft Starter		



Document No. ADM-PUR-F006

Revision Date February 15, 2020

Revision No. 00

PURCHASE ORDER (P.O)

Qty	Unit	Description	Unit Cost	Amount
		Motor rating: 40HP		
		Voltage Rating: 460V 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%) Motor voltage Rating	460V '	
		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		
	2000	Maximum load: 600Ω (12VDC @ 20mA accuracy +/-5%)	111111111111111111111111111111111111111	
		24VDC output, maximum load: 200Ma (accuracy +/-10%)	~ W = = = = = = = = = = = = = = = = = =	
		5. Environmental	FN	T TITL
		Protection: IP20 & NEMA, UL indoor type 1		
		Operating temperature: -10°C to 60°C	0.3	381
	- 570	Storage temperature: -25°C to 60°C	0 3 JAN	2025
		6. Heat Dissipation		
		During start: 4.5 watts per ampere		
		Note: Soft Starter should be equipped with SCADA ready device		
		-Bidder to submit certificate of sole distributorship		
1	unit	"Danfoss" (Denmark) Variable Frequency Drive Adaptable to	393,000.00	393,000.0
		40HP, 230V, 3-phase, 60Hz Submersible Motor	14	
		Model: FC202P37KT4		
		Standard Specifications for Variable Frequency Drive		
		1. MAIN SUPPLY (L1, L2, L3)		
		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		
		2. OUTPUT DATA (U, V, W)		
		Output Voltage: 0-100%		
		The standard of the standard o		



Document No. ADM-PUR-F006 Revision Date February 15, 2020 Revision No. 00

PURCHASE ORDER (P.O)

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 (scal∉able) -		
		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 55 Enclosure		
		11. OTHER ACCESSORIES		
		Pressure Transmitter: 25 Bars	AFMA	TED
		With connection-based monitoring	7	
	1	- Motor Insulation winding	0 3 JA	N 2025
		- Load envelope		1 1 10 100
		- Vibration		
		With DC link for harmonic suppression		
	7.5	Real time clock battery		
		With SEMI Certification for POWER RIDE Through in the event of		
		voltage drop. The motor will continuously run 50% @ 12 cycles		
		Note: Supplier to submit sole/exclusive distributorship certificate		
		-Suppler to be present during testing commissioning		Warm and the

Total: ₱976,000.00

Usage: For Commissioning of new Queen of Angels DW

Prepared by:

Checked by:

Audited by:

Recommending

Approval:

Approved by:

signed P.M. A. Trajano OIC-SMPO

Atty C.D.D. Guzman-Bitao Administrative Div. Manager signed L. G. Kamos nternal Auditor Atty m. M. Tenedero AGM Adm. /Com. /Fin./ICT Engr. Safvador IVI. Koyeca General Manager



BAGUIO WATER DISTRICT Bids and Awards Committee (In-house)

Document No. BAC IH F002

Document Code: BAC_IH

Effective Date: 16 March 2020

Revision No. 00 **RESOLUTION**

BIDS AND AWARDS COMMITTEE RESOLUTION NO. 174-2024

Request for Quotation (RQ) No. 09-154P-A Submersible Pump and Motor, Soft Starter and Variable Frequency Drive

PURCHASING'S COPY Emailed: 16 Dec 2024

WHEREAS, the Baguio Water District-Bids and Awards Committee (BWD-BAC), in accordance with the provisions of Republic Act (RA) No. 9184 and its Implementing Rules and Regulations (IRR), conducted the bidding for the procurement of the following, all with required specifications under RQ No. 09-154P-A dated 23 September 2024, under a two-envelope system of bidding but not to be awarded on a one (1) lot basis, and with the respective approved budget cost (ABC) of:

Item	Quantity	Description	ABC (per unit/set)
1	1 set	Submersible Pump, 150 gpm Coupled to Submersible Motor, 40 Hp	Php419,000.00
2	1 unit	Soft Starter Adaptable to 40hp, 460v nominal, 3 phase, 30 Hz submersible motor	Php164,000.00
3	1 unit	Variable Frequency Drive Adaptable to 40 Hp, 460V, 3 phase, 60 Hz submersible motor	Php393,000.00

WHEREAS, only KEYLARGO INDUSTRIAL SALES (KEYLARGO) submitted its bids and during the opening of the technical proposals (Envelope "A") on 23 October 2024, it was determined that the lone bidder submitted complete documentary requirements thus. its bid was rated "initially passed";

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 for items 1-3, thus, its financial proposals (Envelope "B") were opened and the bids as read and calculated are as follows:

ITEM	DESCRIPTION	QTY	BID PRICE (per unit/set)	% VARIANCE FROM ABC	ABC (per unit/set)				
	KEYLARGO INDUSTRIAL SALES								
1	Submersible Pump, 150 gpm Coupled to Submersible Motor, 40 Hp	1	Php419,000.00	-0-	Php419,000.00				
2	Soft Starter Adaptable to 40hp,460v nominal, 3 phase, 30 Hz submersible motor	1	Php164,000.00	-0-	Php164,000.00				
3	Variable Frequency Drive Adaptable to 40 Hp, 460V, 3 phase, 60 Hz submersible motor	1	Php393,000.00	-0-	Php393,000.00				

WHEREAS, upon post-qualification, careful examination, validation, and verification of all the documents submitted by and of the financial bids of the lone bidder, it has been determined that KEYLARGO submitted complete documents and its financial bids for items 1-3 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,* 150gpm coupled to submersible motor, 40 Hp, one (1) unit soft starter adaptable to 40hp, 460v nominal, 3 phase, 30 Hz submersible motor and one (1) variable frequency drive adaptable to 40Hp, 460V, 3 phase 60 Hz submersible motor to **KEYLARGO INDUSTRIAL SALES** with the offered brands, specifications, and bid prices for being the lone calculated responsive bidder.

UNANIMOUSLY APPROVED (29 November 2024)

signed Geovani L. Piza Vice-Chairperson signed Engr. Jake D. Bawing Member

Joana D. Carame Member

Engr. Janel J. Balangcod

Member

Engr. Dominic of Agustian

Member

Atty. Chelseals. De la Rosa

Member

signed
Atty. Ma. Juisa C. Tenedero
Chairperson

Attested by:

Apple Jane 4. Aviles
Secretariat

Sharlene M. Durante Secretariat

Approved by:

signed Engr. Salvador M. Royeca General Manager