A DA	BAGUIO W	ATER DISTRICT lity Road, Baguio City 2600		Document No.	ADM-PUR-F00
CEPTIFICATION CEPTIFICATION BERMATIONAL SO WOTODIAL SO WOTODIAL		ORDER (P.O)		Revision Date	October 29, 201
	· orienasi	. ORDER (P.U)		Revision No.	02
			I	NTO O	20407
Supplier / Contractor : KEY	LARGO INDUSTRIAL SALES	Purchase Order	No	Nº U	36437.
Address (Th)	284-2856 / 961-52-60 local 218	Date	:	Dece	36437 ember 10, 2024
Gentlemen / Madam,	Quezon Ave. West Triangle Q.C.	PR No. / Abstra	act No. :		11-181P
Please furnish this Office the follo	owing articles subject to the terms a	nd can liti			
, Liner up	ID u	rchase Order (PO) Valid Until:	1. PC) Do		
FOB BWD W	valenouse MA/	arranty: $\Box$ Six Months $\textcircled{O}$ On		and the state of t	
Date of Delivery : Wor				Others (please	specity)
		1% Retention Required			
CO-LS WEE	NS I	Performance Bond Required (	5% if in check /	50% if GSIS surety	bond)
Delivery Term : Full Pa	artial Delivery allowed Pay	Subject to testing / inspection	prior to pay	/ment	
Ouentite II is				Others (please	specity)
Quantity Unit	Description / Specifie	cations		it Cost	Amount
2 sets "Grundfo	os" (Denmark) Vertical Multistage Cen	trifugal Pump & Motor	1,222,00		Amount
Class F In Complete adaptable	odel: CRN32-7 E-F-A-E-HQQE, 150 USG Motor 30HP, 230V/460V, 60Hz, 3600 Isulation, 93.6% efficiency at full load, with Motor Control: "Danfoss" (Den e to Vertical Multistage Centrifugal M	D RPM, 2 Poles, 3-Phase, TEFC enclose class. mark) Variable Frequency Drive			
Complete adaptable Rating: 44 Capacity Control B	n Motor 30HP, 230V/460V, 60Hz, 360( isulation, 93.6% efficiency at full load, e with Motor Control: "Danfoss" (Denn e to Vertical Multistage Centrifugal M 0HP, 460V, 3-Phase, 60Hz of Pressure Transmitter of: 25 bars ody: IP55 Enclosure (can be utilized as	D RPM, 2 Poles, 3-Phase, TEFC enclose class. mark) Variable Frequency Drive otor model: FC202P30KT4			
Class F In Complete adaptable Rating: 40 Capacity Control B control pa	n Motor 30HP, 230V/460V, 60Hz, 360( isulation, 93.6% efficiency at full load, e with Motor Control: "Danfoss" (Denn e to Vertical Multistage Centrifugal M 0HP, 460V, 3-Phase, 60Hz of Pressure Transmitter of: 25 bars ody: IP55 Enclosure (can be utilized as anel) X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-	D RPM, 2 Poles, 3-Phase, TEFC enclose class. mark) Variable Frequency Drive otor model: FC202P30KT4 s control shall be installed with ir			
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Supplier Checked by: DEC 1 1	n Motor 30HP, 230V/460V, 60Hz, 3600 isulation, 93.6% efficiency at full load, with Motor Control: "Danfoss" (Deni e to Vertical Multistage Centrifugal M 0HP, 460V, 3-Phase, 60Hz of Pressure Transmitter of: 25 bars ody: IP55 Enclosure (can be utilized as anel) x-x-x-x-x-x-x-x-x-x-x-x fer to the attached sheet for complete ite delivery to provide high tensile mounting bol to provide BNG and flanges for both to provide brochure with full specific ump on Booster	D RPM, 2 Poles, 3-Phase, TEFC enclose class. mark) Variable Frequency Drive otor model: FC202P30KT4 s control shall be installed with ir e detailed specifiactions) ts for pump base suction and discharge ports esult upon delivery ation and pump curve of offered	n EM i 6		D

Signature over Printed Name of Supplier	Date	6/2/23
JEL/NIO. PENALES A	Acct.: Operating / Maintenance Expense CAPEX Other Payables	3



## BAGUIO WATER DISTRICT BWD Compound, Utility Road, Baguio City 2600

# PURCHASE ORDER (P.O)

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

	Contrac	UNIT THE CONTRACT ONLLO	Purchase Order No.	:	36437
Contact Number:02-248-2856/961-52-60 local 218DateAddress / TIN:1471 Quezon Ave. West Triangle Quezon CityPR No (Abstract		Date	: Dece	mber 10, 2024	
Audress /		: 1471 Quezon Ave. West Triangle Quezon City	PR No./Abstract No.	:	11-181P
Qty	Unit	Description		Unit Cost	Amount
2	sets	"GRUNDFOS" (Denmark) Vertical Multistage Centrifugal Pump			2,444,000.00
× ×	r	and Motor Model: CRN32-7 E-F-A-E-HQQE			_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		Motor Specifications:			
		- Type: Induction			
		- HP Rating: 30HP			
		- Nominal Voltage: 230V/460V			
		- Supply Frequency: 60Hz			
		- Number of Poles: 2 Poles			
		- Nominal Speed: 3600 RPM			
		- Number of Phase: <b>3Φ</b>			
		- Insulation Class: F		<u></u>	
		- Efficiency at full load: 93.6%			
		- Enclose Class: TEFC			
		Coupled and aligned with Heavy Duty Mounting Ba			
		Pump Requirement:	ise to:		
		- Capacity: 150 USGPM			
		- Capacity: 150 USGPM			
	-	Construction Material:			
		Shaft Seal: Cartridge Type			
		Shaft Seal Material: HQQE			
		Pump Head: Cast Iron / Stainless Steel (updated spec	cs)		
		Pump Shaft: Stainless Steel 🕓			
		Impeller: Stainless Steel			
		Chamber: Stainless Steel		×.	Pro-
		Outer Sleeve: Stainless Steel	E E	VIAII	ED-
		Base: Cast iron / Stainless Steel (updated specs)	1975		
		Neck Ring: Polyetheretherketone (PEEK)		16 DEC	094
		Support Bearing: PTFE		- DLU	024
		Bearing Rings: Silicon Carbide			
		Pump Efficiency: 76.1%			
		Complete with Mark Control			
		Complete with Motor Control:			
	"Danfoss" (Denmark) Variable Frequency Drive adaptable to 40HP, 460V, 3 phase, 60Hz, Vertical motor model FC202P30KT4				
		Standard Specifications for Variable Frequency Drive	UKT4		
		1. MAIN SUPPLY (L1, L2, L3)	) 		
		Supply Voltage 3 x 380-480V A	C		



## BAGUIO WATER DISTRICT BWD Compound, Utility Road, Baguio City 2600

## PURCHASE ORDER (P.O)

 Document No.
 ADM-PUR-F006

 Revision Date
 February 15, 2020

 Revision No.
 00

Qty	Unit	Description		Unit Cost	Amount
		Supply Frequency	60 Hz		
		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		
		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	attended berrords	AND SUMMER COMMENSAL AN A C
		8. FIELDBUS COMMUNICATION	Ethernet IP	The T	Tim
		9. AMBIENT TEMPERATURE	Up to 55°C		EL.
		<b>10. HARDWARE SPECIFICATIONS</b>	IP55 Enclosure	16 000	
		11. OTHER ACCESSORIES		16 DEC	2024
		Pressure Transmitter	0-25 Bars	-	

Total: ₱2,444,000.00

**Usage: For Ferguson Booster** 

Prepared by:

Checked by:

1

Audited by: Recommending Approval:

Approved by:

signed P. Aftrajano O/C-SMPO

DEC 1 1 2 signed Atty. C.D.De farmen Sitao Administrative une manager

L. G. Kamos Internal Auditor

Atty. M.L.C. I enedero AGM Adm./Com./Fin./ICT

signed sugr. salvedor M. Koyeca General Manager

- 2 -



## BAGUIO WATER DISTRICT Bids and Awards Committee

RESOLUTION

Document Code: BAC\_IH Document No. BAC IH F002

Effective Date: 16 March 2020

(In-house)

Revision No. 00

## BIDS AND AWARDS COMMITTEE RESOLUTION NO. 166-2024

Request for Quotation (RQ) No. 09-181P Vertical Centrifugal Pump and Motor with 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 two (2) sets vertical centrifugal pumps and motors, 30 Hp rating, 150 USGPM with variable frequency drive adaptable to 40Hp, 230V/460V, with required specifications under RQ No. 09-181P dated 27 September 2024, under a two-envelope system of bidding;

**WHEREAS,** the approved budget cost is Php1,222,000.00/set;

**WHEREAS,** only **KEYLARGO INDUSTRIAL SALES** submitted its bids and during the opening of the technical bids on 23 October 2024, it was determined that the lone bidder submitted complete documentary requirements;

**WHEREAS,** upon evaluation by the Technical Working Group of the offer of the lone bidder, it was determined that the said bidder submitted complying offer, thus, its financial bid was opened and the bid as read and calculated is as follows:

DESCRIPTION	QUANTITY	<b>BID PRICE</b> (per set)	% VARIANCE FROM ABC	ABC (per set)			
	KEYLARGO INDUSTRIAL SALES						
vertical centrifugal pumps and motors, 30 Hp rating, 150 USGPM with variable frequency drive adaptable to 40Hp, 230V/460V	2 sets	Php1,222,000.00	-0-	Php1,222,000.00			

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

### 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 vertical centrifugal pumps and motors, 30 Hp rating, 150 USGPM with variable frequency drive adaptable to 40Hp, 230V/460V to **KEYLARGO INDUSTRIAL SALES**, with the offered brands, specifications, and bid price for being the lone calculated responsive bidder.

### UNANIMOUSLY APPROVED (20 November 2024)

Geovani L. Piza Vice-Chairperson Signed Engr. Janel J. Balangcod Member Signed Engr. Jake D. Bawing Member Signed Engr. Dominic T. Agusdan Member

Signed Joana D. Carame Member Signed Atty. Chelsea S. De la Rosa Member

Atty. Ma. Luisa C. Tenedero Chairperson

Attested by:

Apple Jane P. Aviles Secretariat

Sharlene M. Durante Secretariat

Approved by:

Signed Engr. Salvador M. Royeca General Manager