



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

Document No.

ADM-PUR-F006

PURCHASE ORDER (P.O)

Revision Date

October 29, 2019

Revision No.

02

Nº 036554

Supplier / Contractor : KEYLARGO INDUSTRIAL SALES
Contact Number : 02-284-2856 / 961-52-60 local 218
Address / TIN : 1471 Quezon Ave. West Triangle Q.C.

Purchase Order No. : 36554
Date : February 11, 2025
PR No. / Abstract No. : 02-225P-A/226P-A/227P-A/228P-A/229P-A/230P-A/231P-A/232P-A/233P-A/234P-A/235P-A

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: <u>30 days</u> 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 <u>20-25 days</u>	<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) <u>60 days</u>

Quantity	Unit	Description / Specifications	Unit Cost	Amount
5	sets	"Grundfos"(Denmark) Model: SP18-24 Submersible Deepwell Pump, 100 GPM (22.7 cu m/hr) x 750 ft (229M) TDH, 75% efficiency, 3600RPM. Discharge Nipple with coupling: 3" x 12" Schedule 40, BI COUPLED TO: "Franklin"(USA) Submersible Deepwell Motor, 30HP, 460 Volts, 3 phase, 60 Hz, 6 inch, Plug-in or detachable Lead Wires, NEMA Standard Complete w/ "Danfoss" (Denmark) Soft Starter Controller Model: MCD60063BT5S1X20CV2 and "Danfoss" (Denmark) Variable Frequency Drive Model: FC202P30KT2	1,117,471.00 P	5,587,355.00
5	sets	"Grundfos"(Denmark) Model: SP18-20 Submersible Deepwell Pump, 80 GPM (18.16 cu m/hr) x 750 ft (229M) TDH, 77% efficiency, 3600RPM. Discharge Nipple with coupling: 3" x 12" Schedule 40, BI COUPLED TO: "Franklin"(USA) Submersible Deepwell Motor, 25HP, 460 Volts, 3 phase, 60 Hz, 6 inch, Plug-in or detachable Lead Wires, NEMA Standard Complete w/ "Danfoss" (Denmark) Soft Starter Controller Model: MCD60063BT5S1X20CV2 and "Danfoss" (Denmark) Variable Frequency Drive Model: FC202P22KT2	894,424.00	4,472,120.00
1	unit	"Grundfos"(Denmark) Model: SP30-21 Submersible Deepwell Pump, 170 GPM (38.60 cu m/hr) x 700 ft (213.42M) TDH, 77% efficiency, 3600RPM. Discharge Nipple with coupling: 3" x 12" Schedule 40, BI COUPLED TO: "Franklin"(USA) Submersible Deepwell Motor, 50HP, 460 Volts, 3 phase, 60 Hz, 6 inch, Plug-in or detachable Lead Wires, NEMA Standard Complete w/ "Danfoss" (Denmark) Soft Starter Controller Model: MCD60086BT5S1X20CV2 and "Danfoss" (Denmark) Variable Frequency Drive Model: FC202P45KT4 x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x (Please refer to the attached sheet for complete detailed speciifiations)	1,336,310.00 P	1,336,310.00 11,395,785.00

Usage / Requisitioner: For the commissioning of Ciudad Grande DW, Buyog DW2, Happy Glenn DW2, Queen of Angels DW, Slaughter DW, Richwood DW, Montinola DW, Purok 2 Irian DW, Irishville DW, Kisad DW2 & Cuidad Grande DW Barrel
c/o Engr. NCC / Engr. JBP

Prepared by: <u>signed</u> PAUL TRAJANO OIC Purchasing Supervisor	Checked by: <u>signed</u> ATTY. CHANEL DOLOR D. DE SUZMAN-BITAO Admin. Div.	Audited by: <u>signed</u> LUZVIMIN G. RAMOS Internal Aud	Recommending Approval: <u>signed</u> ATTY. MA. JESSE TENEDERO AGM - num./Com./Fin.	Approved by: <u>signed</u> ENGR. SALVADOR M. ROYCEA General Manager
Signature over Printed Name of Supplier		Date: <u>8/3/25</u>		
Funds Available: <u>signed</u> JELYN LIGAYO Finance Manager	Acct.: Operating / Maintenance Expense <input type="checkbox"/> CAPEX <input checked="" type="checkbox"/> Other Payables <input type="checkbox"/>			

 	BAGUIO WATER DISTRICT 003 Purok BWD, Barangay Marcoville, Baguio City (074) 442-4858 / (074) 444-7245		Document No.	ADM-PUR-F008
	PURCHASE ORDER (P.O.)		Effectivity & Revision Date	July 7, 2023
			Revision No.	2

Supplier/Contractor	: KEYLARGO INDUSTRIAL SALES	Purchase Order No.	: 36554
Contact Number	: 02-248-2856/961-52-60 local 218	Date	: February 11, 2025
Address / TIN	: 1471 Quezon Ave. West Triangle Quezon City	PR No./Abstract No.	: 02 – 225P-A / 226P-A / 227P-A / 228P-A / 229P-A / 230P-A / 231P-A / 232P-A / 233P-A / 234P-A / 235P-A

Qty	Unit	Description	Unit Cost	Amount
5	sets	"Grundfos" (Denmark) Model: SP18-24 Submersible Deepwell Pump	1,117,471.00	5,587,355.00
		I. General Requirements:		
		Capacity: 100 GPM		
		TDH: 750 feet (229 meters)		
		Eff. @ Rated Capacity: 75%		
		Speed (Nominal): 3600 rpm		
		Discharge Nipple with coupling: 3"Ø x 12" Schedule 40, 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		
		Section interconnector: Cast Stainless Steel		
		Shaft complete: Stainless Steel		
		Strap: Stainless Steel		
		Cable guard: Stainless Steel		
		Strainer: Stainless Steel		
		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: 30HP		
		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		
		End Castings: Gray Iron		
		Stator Shell: 301 SS		



BAGUIO WATER DISTRICT
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Qty	Unit	Description	Unit Cost	Amount
		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 Rubber		
		Diaphragm Plate: 304 SS		
		Diaphragm Spring: 302 SS		
		Diaphragm Cover:		
		Slinger: Nitrile Rubber		
		Lead Wire (or Cable): XLPE 125°C		
		Lead Potting: Epoxy		
		Lead Jam Nut: 300 Series SS		
		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		
		With Complete Motor Control		
		DANFOSS (Denmark) Soft Starter Motor Controller		
		Model: MCD60063BT5S1X20CV2		
		Capacity of Motor to be controlled by the soft starter		
		Motor Rating: 30HP		
		Motor Voltage Rating: 230 / 460V		
		Supply Frequency: 60Hz		
		Number of Phase: 3ph		
		Speed (Nominal): 3600 rpm		
		Soft Starter Specifications:		
		1 Main Voltage		
		L1, L2, L3	200VAC – 230VAC (+/- 10%)	
		2 Control Voltage		
		(A4, A6)	220-240VAC (+10% / -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%)	



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Qty	Unit	Description	Unit Cost	Amount
		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		
		Note: Soft Starter should be equipped with SCADA ready device		
		-Bidder to submit certificate of sole distributorship		
		"Danfoss" (Denmark) Variable Frequency Drive Adaptable to 40HP, 230V, 3-phase, 60Hz Submersible Motor		
		Model: FC202P30KT2		
		Capacity of Pressure Transmitter: 0-25 bars		
		Standard Specifications for Variable Frequency Drive		
		1. MAIN SUPPLY (L1, L2, L3)		
		Supply Voltage: 3 x 200V-240; 3 x 380-480V		
		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		
		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. FIELD BUS COMMUNICATION: Ethernet IP		
		9. AMBIENT TEMPERATURE: Up to 55°C		
		10. HARDWARE SPECIFICATIONS: IP 55 Enclosure		
		11. OTHER ACCESSORIES		
		Pressure Transmitter: 25 Bars		
		Note: Supplier to submit sole/exclusive distributorship certificate.		



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Qty	Unit	Description	Unit Cost	Amount
		1 set For Ciudad Grande DW commissioning, 1 set For Buyog 2 DW commissioning 1 set For Happy Glenn DW commissioning 1 set For Queen of Angels DW commissioning 1 set for Slaughter DW commissioning		
5	sets	"Grundfos" (Denmark) Model: SP18-20 Submersible Deepwell Pump I. General Requirements: Capacity: 80 GPM TDH: 750 feet (229 meters) Eff. @ Rated Capacity: 77% Speed (Nominal): 3600 rpm Discharge Nipple with coupling: 3"Ø x 12" Schedule 40, 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 Section interconnector: Cast Stainless Steel Shaft complete: Stainless Steel Strap: Stainless Steel Cable guard: Stainless Steel Strainer: Stainless Steel 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): 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 End Castings: Gray Iron Stator Shell: 301 SS	894,424.00	4,472,120.00



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Qty	Unit	Description	Unit Cost	Amount
		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 Rubber		
		Diaphragm Plate: 304 SS		
		Diaphragm Spring: 302 SS		
		Diaphragm Cover:		
		Slinger: Nitrile Rubber		
		Lead Wire (or Cable): XLPE 125°C		
		Lead Potting: Epoxy		
		Lead Jam Nut: 300 Series SS		
		Filter: Delrin & Polyester		
		III. Must submit the authenticated certificate of dealership/distributorship with a red ribbon		
		IV. ISO certified		
		With Complete Motor Control		
		"DANFOSS" (Denmark) Soft Starter Motor Controller		
		Model: MCD60063BT5S1X20CV2		
		Capacity of motor to be controlled by the Soft Starter		
		Motor Rating: 30Hp		
		Motor Voltage Rating: 230 / 460V		
		Supply Frequency: 60Hz		
		Number of Phase: 3ph		
		Speed (nominal): 3600 rpm		
		Soft Starter Specifications:		
		1 Main Voltage L1, L2, L3 200 VAC – 230 VAC (+/- 10%)		
		2 Control Voltage (A4, A6) 220-240VAC (+10% / -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		



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Qty	Unit	Description	Unit Cost	Amount
		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		
		"Danfoss" (Denmark) Variable Frequency Drive Adaptable to 30HP, 230V, 3-phase, 60Hz Submersible Motor Model: FC202P22KT2 Standard Specifications for Variable Frequency Drive 1. MAIN SUPPLY (L1, L2, L3) Supply Voltage: 3 x 200V-240; 3 x 380-480V 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 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 55 Enclosure 11. OTHER ACCESSORIES Pressure Transmitter: 25 Bars Note: Supplier to submit sole/exclusive distributorship certificate. 1 set for Richwood DW commissioning 1 set for Montinola DW commissioning 1 set for Purok 2 Irisan DW commissioning 1 set for Irishville DW commissioning 1 set for Kisad DW commissioning		
1	set	"Grundfos" (Denmark) Model: SP30-21 Submersible Deepwell Pump I. General Requirements: Capacity: 170 GPM TDH: 700 feet (213.42 meters) Eff. @ Rated Capacity: 77%	1,336,310.00	1,336,310.00



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Qty	Unit	Description	Unit Cost	Amount
		Speed (Nominal): 3600 rpm		
		Discharge Nipple with coupling: 3"Ø x 12" Schedule 40, 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		
		Section interconnector: Cast Stainless Steel		
		Shaft complete: Stainless Steel		
		Strap: Stainless Steel		
		Cable guard: Stainless Steel		
		Strainer: Stainless Steel		
		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: 50HP		
		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		
		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 Rubber		
		Diaphragm Plate: 304 SS		
		Diaphragm Spring: 302 SS		
		Diaphragm Cover:		
		Slinger: Nitrile Rubber		
		Lead Wire (or Cable): XLPE 125°C		



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Qty	Unit	Description	Unit Cost	Amount
		Lead Potting: Epoxy		
		Lead Jam Nut: 300 Series SS		
		Filter: Delrin & Polyester		
		III. Must submit the authenticated certificate of dealership/distributorship with a red ribbon		
		IV. ISO certified		
		• Maximum Diameter: 6 inches		
		With Complete Motor Control		
		"DANFOSS" (Denmark) Soft Starter Motor Controller		
		Model: MCD60086BT5S1X20CV2		
		Capacity of motor to be controlled by the soft starter		
		Motor Rating: 50hp		
		Motor Voltage Rating: 230 / 460V		
		Supply Frequency: 60Hz		
		Number of Phase: 3ph		
		Speed (nominal): 3600 rpm		
		Soft Starter Specifications:		
		1 Main Voltage L1, L2, L3 200 VAC – 230 VAC (+/- 0%)		
		2 Control Voltage (A4, A6) 220 - 240VAC (+10% / -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		
		Note: Soft Starter should be equipped with SCADA ready device		
		-Bidder to submit certificate of sole distributorship		
		"Danfoss" (Denmark) Variable Frequency Drive Adaptable to 30HP, 230V, 3-phase, 60Hz Submersible Motor		
		Model: FC202P45KT4		
		Standard Specifications for Variable Frequency Drive		

 	BAGUIO WATER DISTRICT 003 Purok BWD, Barangay Marcoville, Baguio City (074) 442-4858 / (074) 444-7245 PURCHASE ORDER (P.O.)		Document No.	ADM-PUR-F008
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Qty	Unit	Description	Unit Cost	Amount
		1. MAIN SUPPLY (L1, L2, L3)		
		Supply Voltage: 3 x 200V- 240; 3 x 380-480V		
		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		
		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 55 Enclosure		
		11. OTHER ACCESSORIES		
		Pressure Transmitter: 25 Bars		
		Note: Supplier to submit sole/exclusive distributorship certificate.		
		For Ciudad Grande DW barrel		

Total: ₱11,395,785.00

Usage:

- PR 225P: for Ciudad Grande DW commissioning
- PR 226P: for Buyog 2 DW commissioning
- PR 227P: for Happy Glenn DW commissioning
- PR 228P: for Queen of Angels DW commissioning
- PR 229P: for Slaughter DW commissioning
- PR 230P: for Richwood DW commissioning
- PR 231P: for Montinola DW commissioning
- PR 232P: for Purok 2 Irian DW commissioning
- PR 233P: for Irishville DW commissioning
- PR 234P: for Kisad DW commissioning
- PR 235P: for Ciudad Grande DW barrel

Prepared by:	Checked by:	Audited by:	Recommending Approval:	Approved by:
<i>signed</i> P.M. A. Trajano OIC-SMPO	FEB 13 <i>signed</i> Atty. C.D. De Guzman-Bitao Administrative Manager	<i>signed</i> L. G. Ramos Internal Auditor	<i>signed</i> Atty. M. C. Cordero AGM Adm./Com./Fin./ICT	<i>signed</i> 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

<p align="center">BIDS AND AWARDS COMMITTEE RESOLUTION NO. 013-2025 Requests for Quotation (RQ) No. 11-225P-A, 226P-A, 227P-A, 228P-A, 229P-A, 230P-A, 231P-A, 232P-A, 233P-A, 234P-A and 235P-A Submersible Pump and Motor with Soft Starter and Variable Frequency Drive</p>

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. 11-225P-A, 226P-A, 227P-A, 228P-A, 229P-A, 230P-A, 231P-A, 232P-A, 233P-A, 234P-A and 235P-A dated 28 November 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 costs (ABCs) of:

ITEM	QUANTITY	DESCRIPTION	ABC (per set)
1	5 sets	Submersible Pump, 100gpm, coupled to Submersible Motor, 30Hp, complete with Soft Starter Adaptable to 30Hp, and Variable Frequency Drive Adaptable to 40Hp	Php1,117,471.00
2	5 sets	Submersible Pump, 80gpm, coupled to Submersible Motor, 25Hp, complete with Soft Starter Adaptable to 30Hp, and Variable Frequency Drive Adaptable to 30Hp	Php894,424.00
3	1 set	Submersible Pump, 170gpm, coupled to Submersible Motor, 50Hp, complete with Soft Starter Adaptable to 50Hp, and Variable Frequency Drive Adaptable to 60Hp	Php1,336,310.00

WHEREAS, only **KEYLARGO INDUSTRIAL SALES** submitted its bids and during the opening of the technical proposals (Envelope “A”) on 20 December 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 thus, its financial proposals (Envelope “B”) were opened and the bids as read and calculated are as follows:

ITEM	DESCRIPTION	QTY	BID PRICE (per set)	% VARIANCE FROM ABC	ABC (per set)
KEYLARGO INDUSTRIAL SALES					
1	Submersible Pump, 100gpm, coupled to Submersible Motor, 30Hp, complete with Soft Starter Adaptable to 30Hp, and Variable Frequency Drive Adaptable to 40Hp	5 sets	Php1,117,471.00	-0-	Php1,117,471.00
2	Submersible Pump, 80gpm, coupled to Submersible Motor, 25Hp, complete with Soft Starter Adaptable to 30Hp, and Variable	5 sets	Php894,424.00	-0-	Php894,424.00

	Frequency Drive Adaptable to 30Hp				
3	Submersible Pump, 170gpm, coupled to Submersible Motor, 50Hp, complete with Soft Starter Adaptable to 50Hp, and Variable Frequency Drive Adaptable to 60Hp	1 unit	Php1,336,310.00	-0-	Php1,336,310.00

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 INDUSTRIAL SALES** submitted complete documents and its financial bids for items 1, 2 and 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 the aforementioned items subject of RQ No. 11-225P-A, 226P-A, 227P-A, 228P-A, 229P-A, 230P-A, 231P-A, 232P-A, 233P-A, 234P-A and 235P-A to **KEYLARGO INDUSTRIAL SALES** with its offered brands, specifications, and bid prices for being the lone calculated responsive bidder.

UNANIMOUSLY APPROVED (22 January 2025)

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