

Central Portal for Philippine Government Procurement Oppurtunities

# **Bid Notice Abstract**

## Invitation to Bid (ITB)

Reference Number	11706057					
Procuring Entity	BAGUIO WATER DISTRICT - BAGUIO CITY					
Title	4 sets Submersible Motor 20HP					
Area of Delivery	Benguet					
Solicitation Number:	01 - 183P-C-R	Status	Pending			
Trade Agreement:	Implementing Rules and Regulations					
Procurement Mode:	Public Bidding	Associated Components	1			
Classification:	Goods					
Category:	Industrial pumps and compressors	Bid Supplements	0			
Approved Budget for Contract:	the PHP 1,874,000.00					
<b>Delivery Period:</b>		Document Request List	0			
Client Agency:						
		Date Published	31/01/2025			
Contact Person:	Ma. Luisa C Tenedero Chairperson, Bids and Awards Committee					
	BWD Compound, Utility Road Baguio City Benguet	Last Updated / Time	30/01/2025 11:14 AM			
	Philippines 2600 63-74-4423456 63-74-4424858 bwd.bac2021@gmail.com	Closing Date / Time	26/02/2025 13:30 PM			

### Description

1 set (For Dominican Barrel) Submersible Pump Capacity: 100 gpm TDH: 450 ft Eff. @ Rated Capacity : Not less than 60% Speed (Nominal) : 3600 rpm nominal Discharge Nipple with coupling: 12" Schedule 80, BI Diameter of Nipple and Coupling will depend on the discharge port Coupled to: Submersible Motor Rating: 20 Hp Nominal Voltage : 460 V nominal Number of Phase : 3 Phase Frequency : 60 Hz (Please refer to attached for complete specifications) \*Maximum Diameter: 6 inches With Complete Motor Control Soft Starter Soft Starter Adaptable to 25hp, 460v nominal, 3 phase, 60Hz submersible motor Approved Budget Cost: ₱425,000.00 / set

2 sets (1 set City Camp DW; 1 set City Camp Lagoon DW) Submersible Pump Capacity: 80 gpm TDH : 600 ft Eff. @ Rated Capacity : Not less than 60% Speed (Nominal) : 3600 rpm nominal Discharge Nipple with coupling: 12" Schedule 80, BI Diameter of Nipple and Coupling will depend on the discharge port Coupled to: Submersible Motor Rating: 20 Hp Nominal Voltage: 460 V nominal Number of Phase : 3 Phase Frequency : 60 Hz (Please refer to attached for complete specifications) \*Maximum Diameter: 6 inches With Complete Motor Control Soft Starter Soft Starter Adaptable to 25hp, 460v nominal, 3 phase, 60Hz submersible motor Approved Budget Cost: ₱400,000.00 / set 1 set (For Skating Rink DW) Submersible Pump Capacity: 60 gpm TDH: 700 ft Eff. @ Rated Capacity : Not less than 60% Speed (Nominal) : 3600 rpm nominal Discharge Nipple with coupling: 12" Schedule 80, BI Diameter of Nipple and Coupling will depend on the discharge port Coupled to: Submersible Motor Rating: 20 Hp Nominal Voltage: 460 V nominal Number of Phase : 3 Phase Frequency : 60 Hz (Please refer to attached for complete specifications) \*Maximum Diameter: 6 inches With Complete Motor Control Soft Starter Soft Starter Adaptable to 25hp, 460v nominal, 3 phase, 60Hz submersible motor Approved Budget Cost: ₱649,000.00 / set \* 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 XXXXX Note: Not to be awarded on a one (1) lot basis. This is a two (2) envelope system: Envelope "A" to contain the following; among others: a) A refundable bid bond in the form of cash, Manager's or Cashier's check equivalent to 2% or surety bond callable on demand issued by a surety or insurance company duly certified by the Insurance Commission equivalent to 5% of the total approved budget cost is required for a total purchase bid amount of ₱ 50,000.00 and above. Validity of the surety bond is 120 days from the date of opening of bids OR Bid Securing Declaration regardless of amount of bid; b) Terms of payment, delivery, warranty, bid validity and complete specifications; c) Brochure/s (Original); d) Proof of payment of a non-refundable fee of ₱5,000.00; otherwise, bids shall not be opened e) Certificate of Authorized Distributorship / Dealership issued by the Principal Supplier to the participating bidder (with red ribbon) if none has

been submitted to the BAC in its Accreditation;

<ul> <li>For bidders who have f suppliers, the BWD-BAC Apostilled Certificate of / Distributorship / Dealers competent authority of t in lieu of the Certificate Distributorship / Dealers except for non-contractii Apostille Convention, wh red ribbon requirement.</li> <li>For locally produced / n only a certificate of Auth / Dealership w/o red ribl applicable;</li> <li>f) ISO Certificate issued supplier/participating bid material or equipment b been submitted to the B g) International Certificate Envelope "B" to contain</li> </ul>	shall accept an Authorized hip issued by a he host government of Authorized hip (with red ribbon), ng countries to the ich still require the manufactured products, orized Distributorship bon is required if to the principal Ider for the offered rand name (if none has AC in its Accreditation); ite of Warranty.				
Date		Time		Venue	
14/02/2025	Pre-bid conferenc 9:30am via Zoom Meeting ID: 452 7 Password: 9Buvqi	e: Application 718 8447			
Created by	Ma. Luisa C Tenedero				

**Date Created** 30/01/2025

The PhilGEPS team is not responsible for any typographical errors or misinformation presented in the system. PhilGEPS only displays information provided for by its clients, and any queries regarding the postings should be directed to the contact person/s of the concerned party.

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		BAGUIO WATER DISTRICT BWD Compound, Utility Road, Baguio City 2600	Document No.	ADM-PUR-F003
CERTIFICATION ACCORDING CONTINUERNATIONAL	B alted cation Body		Revision Date	February 1, 2024
1975 ISO 9001:2015 ACCredit	RE	QUEST FOR BIDS/QUOTATION (RQ)	Revision No.	03
То:		RQ No.:	: 01 – 18	3P-C-R
	(Ne	ame of Supplier) PR / JO		
Contact Person:		Date of		25
Address:		Purpose	res of submersib	la numn and
Contact no.:			for various pum	• •
		RED MUST BE FILLED UP COMPLETELY. FAILURE TO DITY, TERMS, WARRANTY PERIOD AND DELIVERY I		
r r		ALL MEAN OUTRIGHT DISQUALIFICATION OF BIDS	PERIOD	
	Qty.	Description	U-Price	Total
	<u>_</u>	(For Dominican Barrel)		
VALIDITY DATE:	1 set	Submersible Pump		
		Capacity : <b>100 gpm</b>		
day		TDH : 450 ft		
(30 days minimum)		Eff. @ Rated Capacity : Not less than 60%		
		Speed (Nominal) : 3600 rpm nomina		
DELIVERY:		Discharge Nipple with coupling: <b>12" Schedule 80</b> ,		
working days		Diameter of Nipple and Coupling will depend on the	9	
calendar days FOB warehouse		discharge port		
		Coupled to: Submersible Motor		
		Rating : 20 Hp Nominal Voltage : 460 V nomina		
WARRANTY		Nominal Voltage:460V nominaNumber of Phase:3Phase		
calendar days		Frequency : 60 Hz		
upon acceptance.		(Please refer to attached for complete specifications)	)	
TERMS:			,	
		*Maximum Diameter: <u>6 inches</u>		
		With Complete Motor Control		
		Soft Starter		
		Soft Starter Adaptable to 25hp, 460v nominal,		
		3 phase, 60Hz submersible motor		
		Approved Budget Cost: ₱425,000.00 / set		
-		(1 set City Camp DW; 1 set City Camp Lagoon DW)		
	2 sets	Submersible Pump		
		Capacity : <b>80 gpm</b>		
		TDH : 600 ft		
		Eff. @ Rated Capacity : Not less than 60%		
		Speed (Nominal) : 3600 rpm nominal		
		Discharge Nipple with coupling: <b>12" Schedule 80</b> , Diameter of Nipple and Coupling will depend on the		
		discharge port	5	
		Coupled to: Submersible Motor		
		Rating : 20 Hp		
		Nominal Voltage : 460 V nomina	1	
		Number of Phase : <b>3 Phase</b>		
		Frequency : <b>60 Hz</b>		
		(Please refer to attached for complete specifications)	)	
		*Maximum Diameter: <u>6 inches</u>		



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

# **REQUEST FOR BIDS/QUOTATION (RQ)**

Document No. ADM-PUR-F003
Revision Date February 1, 2024
Revision No. 03

			- 1		
	With Complete Mote Soft Starter	or Contr	οι		
	Soft Starter	ale to 25	hn 460v	nominal	
	3 phase, 60Hz subm		-	nomnai,	
	Approved Budget Co	ost: ₱40(	),000.00	/ set	
	(For Skating Rink DW)	)			
1 set	Submersible Pump				
	Capacity		: <b>60</b>		
	TDH		: 700		
	Eff. @ Rated Capacity				
	Speed (Nominal)			•	
	Discharge Nipple with	•	-		
	Diameter of Nipple ar	na Coupi	ing will a	epend on the	
	discharge port	ciblo Ma	tor		
	Coupled to: Submer		20	Нр	
	Nominal Voltage	•		•	
	Number of Phase				
	Frequency	:	60	Hz	
	(Please refer to attached for complete specifications)				
	*Maximum Diameter: <u>6 inches</u>				
	With Complete Motor Control				
	Soft Starter				
	Soft Starter Adaptable to 25hp, 460v nominal,				
	3 phase, 60Hz subm	ersible n	notor		
	Approved Budget Co	ost: ₱649	9,000.00	/ set	
	* Supplier to provide upon delivery	manufac	turer pun	np test result	
	* Supplier to provide brochure with full specification and pump curve of offered booster pump				
	* Supplier to be prese	ent during x x x x		commissioning	
	Note: Not to be a	awarded	on a one	(1) lot basis.	
	This is a two (2) enve	lope syst	em:		
	Envelope "A" to conta		-	-	
	a) A refundable b			•	
	5		•	ivalent to 2% or issued by a surety	
	or insurance co			• •	
	Insurance Com	• •	•	•	
			•	uired for a total	
	purchasa hid a	mounto	F 🖶 E O O O O	00 and above	

purchase bid amount of ₱ 50,000.00 and above.

	BWD Co	BAGUIO WATER DISTRICT mpound, Utility Road, Baguio City 2600	Document No.	ADM-PUR-F003
CERTIFICATION 1975 CERTIFICATIONAL INTERNATIONAL ISO 9001:2015 MSA-001	REQUES	T FOR BIDS/QUOTATION (RQ)	Revision Date	February 1, 2024
	b) c) d) e) f) g) Envelo Pre-bio 9:30an Meetin	<ul> <li>Validity of the surety bond is 120 days from the date of opening of bids <u>OR</u> Bid Securing Declaration regardless of amount of bid;</li> <li>Terms of payment, delivery, warranty, bid validit and complete specifications;</li> <li>Brochure/s (Original);</li> <li>Proof of payment of a non-refundable fee of <b>P5,000.00</b>; otherwise, bids shall not be opened Certificate of Authorized Distributorship / Dealership issued by the Principal Supplier to th participating bidder (with red ribbon) if none has been submitted to the BAC in its Accreditation;</li> <li>For bidders who have foreign principal suppliers, the BWD-BAC shall accept an Apostilled Certificate of Authorized Distributorship / Dealership issued by a competent authority of the host governmer in lieu of the Certificate of Authorized Distributorship / Dealership issued by a competent authority of the host governmer in lieu of the Certificate of Authorized Distributorship / Dealership (with red ribbon except for non-contracting countries to the Apostille Convention, which still require the red ribbon requirement.</li> <li>For locally produced / manufactured producionly a certificate of Authorized Distributors / Dealership w/o red ribbon is required if applicable;</li> <li>ISO Certificate issued to the principal supplier/participating bidder for the offered material or equipment brand name (if none has been submitted to the BAC in its Accreditation); International Certificate of Warranty.</li> <li><b>pe "B" to contain the bid cost per unit.</b></li> <li><b>February 14, 2025</b></li> <li><b>nyia Zoom Application</b></li> <li><b>ryia Zoom Application</b></li> </ul>	e s nt n), cts, nip	

By: Supplier or Authorized Representative:( sign over printed name )						
Deadline of submission of bids:		February 26, 2025	_ Opening of bids: <b>1:30 pm</b>			
signed Prepared by: <u>PAULTRAJANO</u>		signed Noted by: ATTY. MA. LUISA C. TENEDERO	signed ENGR. REYNALDO C. JAYCO			
	OIC - PURCHASING	BAC IN-HOUSE	BAC-TECHNICAL			
BWD RESERVES THE RIGHT TO REJECT BIDS &/OR DECLARE A FAILURE OF BIDDING PURSUANT TO THE PERTINENT PROVISIONS OF RA 9184						
BWD DOES I	NOT ENGAGE IN SOLICI	TATION OF FUNDS FROM ANY INDIVIDUALS OR EN	NTITIES, AND WE STRONGLY ADVISE	1		

AGAINST RESPONDING TO ANY UNAUTHORIZED REQUESTS CLAIMING ASSOCIATION WITH OUR ORGANIZATION.

E	BAGUIO WATER DI	STRICT	Document Code	TWG-TECH EVALUAT
	"Serving Mankind is Servi	ing God"	Document No.	TWG-2023-
5 CERTIFICATION INTERNATIONAL ISO 9001:2015 CAN Control Find Marcol	TWG SPECIFICA	TION	Effectivity Date	January 2020
			Revision No.	00
<u>ST</u>	ANDARD SPECIFICATIO	IN FOR SU	BMERSIBLE MO	TOR
I. GENERAL REQU	JIREMENT:			
Rating	:	_ Hp		
Nominal Voltag	e :	_ V		
No. of Phase	:	_		
Frequency	:	_Hz		
Std. Diameter	:	_Inches		
Lead Wire / Cak	0 /			
Rotor Spline	: NEMA Stan	dard		
II. MATERIAL CON	IPONENTS			
	4"		6″	8″
Factor at	<u>303 / 304 SS over</u>	Epox	y Coated Grey	Epoxy Coated Grey
End Casting	Iron		on / 316 SS	<u>Iron / 316 SS</u>
Ctatan Chall	201.00		SS / 301 SS /	<u>300 SS / 304 SS /</u>
Stator Shell	<u>301 SS</u>		316 SS	316 SS
Stator Ends	Low Carbon Steel	Low	Carbon Steel /	Low Carbon Steel
Stator Ends	I OW Carbon Steel		and the second	
2			316 SS	
Shaft Extension		300		<u>316 SS</u>
Shaft Extension	<u>17-4 SS</u>		SS (5 – 30hp)	
Shaft Extension Fasteners / Bushing	<u>17-4 SS</u>	<u>17-4</u>	<u>SS (5 – 30hp)</u> SS (40-60hp)	<u>316 SS</u> <u>17-4 SS</u>
		<u>17-4</u>	SS (5 – 30hp)	<u>316 SS</u>
Fasteners / Bushing Retainer	<u>17-4 SS</u>	<u>17-4</u> <u>300</u>	<u>SS (5 – 30hp)</u> SS (40-60hp)	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u>
Fasteners / Bushing	<u>17-4 SS</u> <u>300 Series SS</u>	<u>17-4</u> <u>300</u> <u>304</u>	<u>SS (5 – 30hp)</u> SS (40-60hp) OSS / 316 SS	<u>316 SS</u> <u>17-4 SS</u>
Fasteners / Bushing Retainer	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u>	<u>17-4</u> <u>300</u> <u>304</u> <u>Bro</u>	<u>SS (5 – 30hp)</u> SS (40-60hp) OSS / 316 SS SS / Sintered	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u> <u>Bronze / 316 SS</u>
Fasteners / Bushing Retainer	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u> <u>Nitrile Rubber Lip /</u>	<u>17-4</u> <u>300</u> <u>304</u> <u>Bro</u> <u>Carbo</u>	<u>SS (5 – 30hp)</u> SS (40-60hp) OSS / 316 SS SS / Sintered onze / 316 SS	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u> <u>Bronze / 316 SS</u> <u>Carbon Ceramic Sea</u>
<u>Fasteners / Bushing</u> <u>Retainer</u> <u>Seal Cover</u>	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u>	<u>17-4</u> <u>300</u> <u>304</u> <u>Bro</u> <u>Carbo</u> <u>/ Nitr</u>	<u>SS (5 – 30hp)</u> SS (40-60hp) <u>OSS / 316 SS</u> <u>SS / Sintered</u> <u>onze / 316 SS</u> on Ceramic Seal	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u>
<u>Fasteners / Bushing</u> <u>Retainer</u> <u>Seal Cover</u>	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u> <u>Nitrile Rubber Lip /</u>	<u>17-4</u> <u>300</u> <u>304</u> <u>Bro</u> <u>Carbo</u> <u>/ Nitr</u>	<u>SS (5 – 30hp)</u> <u>SS (40-60hp)</u> <u>OSS / 316 SS</u> <u>SS / Sintered</u> <u>onze / 316 SS</u> <u>on Ceramic Seal</u> rile (5-40hp) /	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u> <u>Bronze / 316 SS</u> <u>Carbon Ceramic Sea</u> <u>(40-125hp)</u>
<u>Fasteners / Bushing</u> <u>Retainer</u> <u>Seal Cover</u> <u>Seal</u>	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u> <u>Nitrile Rubber Lip /</u> <u>SiC Mech Seal</u> <u>Nitrile Rubber</u>	<u>17-4</u> <u>300</u> <u>304</u> <u>Bro</u> <u>Carbo</u> <u>/ Niti</u> <u>Vito</u>	<u>SS (5 – 30hp)</u> <u>SS (40-60hp)</u> <u>OSS / 316 SS</u> <u>SS / Sintered</u> <u>onze / 316 SS</u> <u>on Ceramic Seal</u> rile (5-40hp) /	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u> <u>Bronze / 316 SS</u> <u>Carbon Ceramic Sea</u>
<u>Fasteners / Bushing</u> <u>Retainer</u> <u>Seal Cover</u> <u>Seal</u> <u>Diaphragm</u>	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u> <u>Nitrile Rubber Lip /</u> <u>SiC Mech Seal</u>	<u>17-4</u> <u>300</u> <u>304</u> <u>Bro</u> <u>Carbo</u> <u>/ Niti</u> <u>Vito</u>	<u>SS (5 – 30hp)</u> <u>SS (40-60hp)</u> <u>OSS / 316 SS</u> <u>SS / Sintered</u> <u>onze / 316 SS</u> <u>on Ceramic Seal</u> <u>rile (5-40hp) /</u> <u>on (50-60hp)</u>	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u> <u>Bronze / 316 SS</u> <u>Carbon Ceramic Sea</u> <u>(40-125hp)</u> <u>Nitrile / Viton</u> <u>300 SS / 304 SS /</u>
<u>Fasteners / Bushing</u> <u>Retainer</u> <u>Seal Cover</u> <u>Seal</u> <u>Diaphragm</u> <u>Diaphragm Cup /</u> <u>Plate</u>	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u> <u>Nitrile Rubber Lip /</u> <u>SiC Mech Seal</u> <u>Nitrile Rubber</u> <u>304 / 316 SS</u>	<u>17-4</u> <u>304</u> <u>Bro</u> <u>Carbo</u> <u>/ Nitu</u> <u>Vito</u> <u>300</u>	<u>SS (5 – 30hp)</u> <u>SS (40-60hp)</u> <u>OSS / 316 SS</u> <u>SS / Sintered</u> <u>onze / 316 SS</u> <u>on Ceramic Seal</u> <u>rile (5-40hp) /</u> <u>on (50-60hp)</u> <u>SS / 304 SS /</u>	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u> <u>Bronze / 316 SS</u> <u>Carbon Ceramic Sea</u> <u>(40-125hp)</u> <u>Nitrile / Viton</u> <u>300 SS / 304 SS / <u>316 SS</u></u>
<u>Fasteners / Bushing</u> <u>Retainer</u> <u>Seal Cover</u> <u>Seal</u> <u>Diaphragm</u> <u>Diaphragm Cup /</u>	<u>17-4 SS</u> <u>300 Series SS</u> <u>Acetal / Sintered</u> <u>Bronze</u> <u>Nitrile Rubber Lip /</u> <u>SiC Mech Seal</u> <u>Nitrile Rubber</u>	<u>17-4</u> <u>300</u> <u>304</u> <u>Bro</u> <u>Carbo</u> <u>/ Nitr</u> <u>Vitc</u> <u>300</u> <u>300</u>	<u>SS (5 – 30hp)</u> <u>SS (40-60hp)</u> <u>OSS / 316 SS</u> <u>SS / Sintered</u> <u>onze / 316 SS</u> <u>on Ceramic Seal</u> <u>rile (5-40hp) /</u> <u>on (50-60hp)</u> <u>SS / 304 SS /</u> <u>316 SS</u>	<u>316 SS</u> <u>17-4 SS</u> <u>300SS / 316 SS</u> <u>304 SS / Sintered</u> <u>Bronze / 316 SS</u> <u>Carbon Ceramic Sea</u> <u>(40-125hp)</u> <u>Nitrile / Viton</u> <u>300 SS / 304 SS /</u>

an gen anten f	<b>BAGUIO WATER DISTRIC</b>	T Document Code	TWG-TECH EVALUATION
	"Serving Mankind is Serving God"	Document No.	TWG-2023-
CERTIFICATION 1975 CERTIFICATIONAL ISO 9001:2015 Accredition Page	TWG SPECIFICATION	Effectivity Date	January 2020
		Revision No.	00

Slinger	Nitrile Rubber	Nitrile (5-40hp) Viton 50-60hp)	<u>Nitrile / Viton</u>
Lead Wire (or Cable)	XLPE	XLPE	<u>XLPE (#8 AWG)</u> <u>Hypalon (#4 and #2</u> <u>AWG)</u>
Lead Potting	Epoxy	<u>Epoxy</u>	Epoxy
Lead Screws / Clamp	<u>300 / 316 ss</u>	<u>Brass / 316 SS</u>	<u>Brass / 316 SS (40 – 125 hp)</u> <u>316 SS Plate (150 – 200hp)</u>
Filter	Delrin and Polyester		

# III. <u>Must submit authenticated certificate of dealership / distributorship with Red</u> <u>Ribbon</u>

IV. ISO Certified

NOTE: Blank Spaces to be filled up by the end user

## **TECHNICAL WORKING GROUP:**

Signed KERNANDOA PERIA Vice Chayperson

EDGARY Y. SUPNET

Signed HEN'F MANAXIGAN

Signed TIFFANY A. GANADEN Member

Signed KEITH'L. CACAS Member

Signed STEPHEN F. MANANGAN Member

Signed JOSHUA B. PAMAYLAON Member

Recommending Approval;

Signed REWNAL DO C. JAYCO Cnairperson

Approved by:

SAI VADOR M. ROYECA C-mieral Manager

	·····	67.612/cubres another a contract
BAGUIO	WATE	R DISTRICT
PURCHA	SEMO	SECTION
DATE: MAN	1/14/	125 +====================
RECEIVEN		igned

BAGUIO WATER DISTRICT " Serving mankind is serving God "

# REVISED STANDARD SPECIFICATIONS FOR SUBMERSIBLE PUMP

I.	GENERAL REQUIREMENTS: CAPACITY							
	TDH		gpm					
		:	ft					
	EFF @ RATED CAPACITY	:	%					
	SPEED	:	rpm					
	STD. DIA,	:	inches					
	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 std spline type					
П.	MATERIAL COMPONENTS:							
	Valve Casing	:	Stainless steel					
	Valve cup	:	Stainless steel					
	Neck ring:							
	For pump capacity: 1-5 cum/hr	:	NBR/TPU					
	For pump capacity: 7-14 cum/hr		TPU/PPS-FKM					
	For pump capacity: 17-60 cum/hr	:	NBR-FKM-LSR					
	For pump capacity: 77 cum & above	NBR-FKM						
	Bearing:							
	<ul> <li>Replaceable wear ring, bearing and neck ring for easy maintenance</li> </ul>							
	<ul> <li>Sealed top bearing for high resis</li> </ul>							
			d flush channels to reduce abrasive wear					
	For pump capacity: 1-5 cum/hr		NBR					
	For pump capacity: 7-14 cum/hr	;	LSR-FKM					
	For pump capacity: 17-60 cum/hr	÷	NBR-FKM					
	For pump capacity: 77 cum & above	:	NBR-FKM					
	Chamber	:	Stainless steel					
	Impeller	:	Stainless steel					
	Section interconnector	:	Cast stainless steel					
	Shaft complete	:	Stainless steel					
	Strap	:	Stainless steel					
	Cable guard	:	Stainless steel					
	Washer for stop ring	:	Carbon/graphite HY22 in PTFE mass					
	Strainer		Stainless steel					
	Valve seat:							
	For pump capacity: 1-5 cum/hr	:	Rubber type/NBR					
	For pump capacity: 7-14 cum/hr		NBR-FKM					
	For pump capacity: 17-60 cum/hr		NBR-FKM					
	For pump capacity: 77 cum & above		NBR-FKM					

Standard Specifications for Submersible Pump, page 2 Revised on January 09, 2017

III. OTHERS:

Discharge nipple	· · · · _	"Ø x 24" S-40	, BI or SS
Discharge coupling	: <u> </u>	ӯ S-80	, BI or SS

IV. Must submit authenticated certificate of dealership / distributorship with red ribbon

V. ISO certified

NOTE: Blank spaces shall be filled up by the end-user

TECHNICAL STANDARDS COMMITTEE:

Signed GUILLERMO V. LUCERO Vice Chairperson

Signed EDMUND Q. LLANES Member

Signed

RODRIGO O. DE VENECIA, Jr. Member

Recommending Approval:

Signed FERNANDOLA. PERIA Chairperson Signed ALLAN A. ABAD Member

Signed

MARCO G. DELA CRUZ, JR. Member

Signed

ELISEO E. BRILLANTES Member

Approved by:

Signed

SALVADOR M. ROYECA General Manager

FN: TWG Concerns: Standard Specifications for Submersible Pump (Revised 01-09-17).doc

e '1)	<b>BAGUIO WATER DISTRICT</b>	Document Code	TWG-TECH EVALUATION
1975 CERTIFICATION INTERNATIONAL ISO 90012015	"Serving Mankind is Serving God"	Document No.	TWG-2023-
	TWG SPECIFICATION	Effectivity Date	January 2020
		Revision No.	00

### STANDARD SPECIFICATION FOR SOFT STARTER

Capacity of motor to be controlled by Soft Starter

Motor Rating		hp
Motor Voltage Rating	:	, V
Supply Frequency	:	, Hz
Number of Phase	:	
Nominal Speed	:	rpm

Soft Starter Specification

- 1. Main Voltage (L1, L2, L3)
- 2. Control Voltage
  - (A4, A6)
  - Main Frequency
  - Rated Insulation Voltage to Earth
  - Rated Impulse withstand Voltage
- 3. Short Circuit Capability
  - Coordination
  - Prospective Current
- 4. Outputs
  - Relay Outputs
  - Programmable Outputs
  - Analogue Outputs
  - Maximum Load
  - 24VDC Output, Maximum Load

- : 200VAC 300VAC (+/- 10%) / 380VAC - 600VAC (+/- 10%)
- : 200 240 VAC (+10% / -15%) : 60Hz (+/- 10%) : 600VAC
- : 4KV
- : Semi-conductor Fuses : 65KV
- : 10A at 250VAC resistive
- : 1 (NC), 1 (NO), 1 (CO)
- : 4 20 mA
- : 600ohm (12VDC at 20mA)
- : Accuracy +/- 5%
- : 200 mA
- : Accuracy +/- 10%

N	<b>BAGUIO WATER DISTRICT</b>	Document Code	TWG-TECH EVALUATION
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	TWG SPECIFICATION	Effectivity Date	January 2020
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- 5. Environmental
  - Protection
  - Operating Temperature
  - Storage Temperature
- 6. Heat Dissipation during Start

- : IP20 / NEMA UL indoor Type 1
- : -10 deg C to 60 deg C

: -25 deg C - 60 deg C

: 4.5 watts per ampere

## **TECHNICAL WORKING GROUP:**

Signed REPORTED AFERIA Vice Chairperson

Signed

**KEITH L. CACAS** 

Member

Signed EDGAR V. SUPNET Vember

Signed

STEPHEN F. MANANGAN

Member

### Signed TIFFANY A. GANADEN Member

Signed JOSHUA B. PAMAYLAON Member

Recommending, Approval;

Signed REYNALDOJC. JAYCO 1/9/25 Chairpelson Approved by:

### Signed

SALVADOR M. ROYECA General Manager

> BAGUIO WATER DISTRICT PURCHASING SECTION DATE: 17 - Jan - 2025 RECEIVED BY: Signed