

Central Portal for Philippine Government Procurement Oppurtunities

Bid Notice Abstract

Invitation to Bid (ITB)

Reference Number	11706218		
Procuring Entity	BAGUIO WATER DISTRICT - BAG	GUIO CITY	
Title	2 sets Submersible Pump and M	otor 25HP & 4 sets Submersible P	ump and Motor 5HP
Area of Delivery	Benguet		
Solicitation Number:	01 - 183P-D-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 3,464,000.00		
Delivery Period:		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 11:37 AM
	Philippines 2600 63-74-4423456 63-74-4424858 bwd.bac2021@gmail.com	Closing Date / Time	26/02/2025 13:30 PM

Description

2 sets (For Camp 7-1 Agpaoa DW) Submersible Pump Capacity: 110 gpm TDH : 550 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: 25 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 30hp, 460v nominal, 3 phase, 60Hz submersible motor Approved Budget Cost: ₱500,000.00 / set

2 sets (For Oracion / Dominguez Barrel) Submersible Pump Capacity: 25 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 : 5 Hp Nominal Voltage: 230 V nominal Number of Phase : 1 Phase Frequency : 60 Hz (Please refer to attached for complete specifications) *Maximum Diameter: 4 inches With Complete Motor Control and capacitor starter Approved Budget Cost: ₱616,000.00 / set 2 sets (For Celestial and BSTP) Submersible Pump Capacity: 20 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 : 5 Hp Nominal Voltage : 230 V nominal Number of Phase : 1 Phase Frequency: 60 Hz (Please refer to attached for complete specifications) *Maximum Diameter: 4 inches With Complete Motor Control and capacitor starter Approved Budget Cost: ₱616,000.00 / 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 хххх 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; • 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 government in lieu of the Certificate of Authorized Distributorship / Dealership (with red ribbon),

Apostille Conven red ribbon requir • For locally prod products, only a Distributorship / required if applic f) ISO Certificate supplier/participa material or equip been submitted t g) International	uced / manufactured certificate of Authorized Dealership w/o red ribbon is able; sissued to the principal ating bidder for the offered oment brand name (if none has to the BAC in its Accreditation); Certificate of Warranty. contain the bid cost per unit.		
C	ate	Time	Venue
14/02/2025	9:30:00 AM		Pre-bid conference: 9:30am via Zoom Application Meeting ID: 452 718 8447 Password: 9Buvqr
Created by	Ma. Luisa C Tenedero		

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30/01/2025

Date Created

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	В	BAGUIO WATER DISTRICT WD Compound, Utility Road, Baguio City 26	500	Document No.	ADM-PUR-F003
CERTIFICATION ACCEPTION				Revision Date	February 1, 2024
ISO 9001:2015 MSA-001	REC	UEST FOR BIDS/QUOTATION	(KQ)	Revision No.	03
То:			RQ No.:	01 – 1	83P-D-R
	(Nai	me of Supplier)	PR / JO N	lo.: 183P	
Contact Person:			Date of F	Q: 01/27	/25
Address:			Purpose	of RQ:	
			For spare	es of submer	sible pump and
Contact no.:			motors f	or various pu	mping stations
	-	ED MUST BE FILLED UP COMPLETELY. FAIL			HE
PRI		ITY, TERMS, WARRANTY PERIOD AND DEL			
		L MEAN OUTRIGHT DISQUALIFICATION O		LL Drie	Total
	Qty.	Description		U-Price	e Total

			B 140				
		(For Camp 7-1 Agpao	a DW)				
VALIDITY DATE:	2 sets	Submersible Pump					
		Capacity		: 110	gpm		
day		TDH		: 550	ft		
30 days minimum)		Eff. @ Rated Capacity		: Not le	ess than 60%		
		Speed (Nominal)		: 3600	rpm nominal		
DELIVERY:		Discharge Nipple with	coupline	g : 12″ Se	chedule 80, BI		
		Diameter of Nipple ar	nd Coupli	ng will dep	pend on the		
working days		discharge port					
calendar days FOB warehouse		Coupled to: Submer	sible Mo	tor			
		Rating	:	25	Нр		
		Nominal Voltage	:	460	V nominal		
WARRANTY		Number of Phase	:	3	Phase		
calendar days		Frequency	:	60	Hz		
ipon acceptance.		(Please refer to attach	ed for co	mplete sp	ecifications)		
TERMS:		*Maximum Diameter:	<u>6 inches</u>				
		With Complete Mote	or Contre				
		-					
		Soft Starter			ominal 3		
		Soft Starter Soft Starter Adaptab	ole to 30	hp, 460v n	nominal, 3		
		Soft Starter	ole to 30	hp, 460v n	nominal, 3		
		Soft Starter Soft Starter Adaptab	le to 30 sible mo	hp, 460v n tor			
		Soft Starter Soft Starter Adaptak phase, 60Hz submer	ole to 30 sible mo ost: ₱500	hp, 460v n tor),000.00 /		-	
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co	ole to 30 sible mo ost: ₱500	hp, 460v n tor),000.00 /			
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin	ole to 30 sible mo ost: ₱500	hp, 460v n tor 9,000.00 / 1 rrel)			
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump	ole to 30 sible mo ost: ₱500	hp, 460v n tor 9,000.00 / 1 rrel)	set		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity	ole to 30 sible mo ost: ₱500 nguez Ba	hp, 460v n tor),000.00 / rrel) : 25 : 450	set gpm ft		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity	ole to 30 sible mo ost: ₱500 nguez Ba	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not k	set gpm ft ess than 60%		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal)	ole to 30 sible mo ost: ₱500 nguez Ba	hp, 460v n tor ,000.00 / rrel) : 25 : 450 : Not le : 3600	set gpm ft ess than 60%) rpm nominal		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit	ole to 30 sible mo ost: ₱500 nguez Ba	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not la : 3600 ng: 12″ S	set gpm ft ess than 60% prpm nominal chedule 80, Bl		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit Diameter of Nipple a	ole to 30 sible mo ost: ₱500 nguez Ba	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not la : 3600 ng: 12″ S	set gpm ft ess than 60% prpm nominal chedule 80, Bl		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit Diameter of Nipple a discharge port	ole to 30 sible mo ost: ₱500 nguez Ba / ch coupli ind Coup	hp, 460v n tor ,000.00 / rrel) : 25 : 450 : Not le : 3600 ng: 12″ S oling will d	set gpm ft ess than 60% prpm nominal chedule 80, Bl		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit Diameter of Nipple a discharge port Coupled to: Subme	ole to 30 sible mo ost: ₱500 nguez Ba / ch coupli ind Coup	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not le : 3600 ng: 12″ S oling will d	set gpm ft ess than 60% prpm nominal chedule 80, Bl lepend on the		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit Diameter of Nipple a discharge port Coupled to: Subme Rating	ole to 30 sible mo ost: ₱500 nguez Ba / ch coupli ind Coup	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not le : 3600 ng: 12″ S oling will d otor 5	set gpm ft ess than 60% 0 rpm nominal chedule 80, Bl lepend on the Hp		
	2 sets	Soft Starter Soft Starter Adaptation phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit Diameter of Nipple a discharge port Coupled to: Subme Rating Nominal Voltage	ole to 30 sible mo ost: ₱500 nguez Ba / ch coupli ind Coup	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not k : 3600 ng: 12″ S oling will d otor 5 230	set gpm ft ess than 60% 0 rpm nominal chedule 80, Bl lepend on the Hp V nominal		
	2 sets	Soft Starter Soft Starter Adaptak phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit Diameter of Nipple a discharge port Coupled to: Subme Rating Nominal Voltage Number of Phase	ole to 30 sible mo ost: ₱500 nguez Ba / ch coupli ind Coup	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not le : 3600 ng: 12″ S oling will d otor 5 230 1	set gpm ft ess than 60% rpm nominal chedule 80, Bl lepend on the Hp V nominal Phase		
	2 sets	Soft Starter Soft Starter Adaptation phase, 60Hz submer Approved Budget Co (For Oracion / Domin Submersible Pump Capacity TDH Eff. @ Rated Capacity Speed (Nominal) Discharge Nipple wit Diameter of Nipple a discharge port Coupled to: Subme Rating Nominal Voltage	ole to 30 sible mo ost: ₱500 nguez Ba nguez Ba nguez Ba rsible M : : :	hp, 460v n tor ,000.00 / 1 rrel) : 25 : 450 : Not le : 3600 ng: 12" S oling will d otor 5 230 1 60	set gpm ft ess than 60% 0 rpm nominal chedule 80, Bl depend on the Hp V nominal Phase Hz		

	BAGUIO WATER DISTRICT BWD Compound, Utility Road, Baguio City 2600	Document No.	ADM-PUR-F003
CERTIFICATION ABB Accredited MAC Certification Body INTERNATIONAL ACCREDITION BODY		Revision Date	February 1, 2024
1975 INTERNATIONAL Correction for MSA-001	QUEST FOR BIDS/QUOTATION (RQ)	Revision No.	03
	*Maximum Diameter: <u>4 inches</u> With Complete Motor Control and capacitor start Approved Budget Cost: P 616,000.00 / set	er	
2 sets	(For Celestial and BSTP)		
	Submersible PumpCapacity: 20 gpmTDH: 600 ftEff. @ Rated Capacity: Not less than 60%Speed (Nominal): 3600 rpm nominaDischarge Nipple with coupling:12" Schedule 80, EDiameter of Nipple and Coupling will depend on thedischarge portCoupled to:Submersible MotorRating: 5 HpNominal Voltage: 230 V nominalNumber of Phase: 1 PhaseFrequency: 60 Hz(Please refer to attached for complete specifications)*Maximum Diameter:4 inches	al 31	
	With Complete Motor Control and capacitor start Approved Budget Cost: ₱616,000.00 / set	er	
	* 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 commissionin x x x x x	ig	
	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 other a) A refundable bid bond in the form of cash, Manager's or Cashier's check equivalent to 2% surety bond callable on demand issued by a surety or insurance company duly certified by t Insurance Commission equivalent to 5% of the total approved budget cost is required for a tot 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 	or he al	

	BWD Co	BAGUIO WATER DISTRICT mpound, Utility Road, Baguio City 2600	Document No.	ADM-PUR-F003
1975 CERTIFICATION Accidation to Accidation	REQUES	T FOR BIDS/QUOTATION (RQ)	Revision Date Revision No.	February 1, 2024 03
	c) d) e) f) g) Envelo 9:30am Meetin	 Declaration regardless of amount of bid; Terms of payment, delivery, warranty, bid validit, and complete specifications; Brochure/S (Original); Proof of payment of a non-refundable fee of P5,000.00; otherwise, bids shall not be opened 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; 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 (with red ribbon except for non-contracting countries to the Apostille Convention, which still require the red ribbon requirement. For locally produced / manufactured products, only a certificate of Authorized Distributorship / Dealership w/o red ribbon required if applicable; 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. Pe "B" to contain the bid cost per unit. Aconference: February 14, 2025 in via Zoom Application ing ID: 452 718 8447 ord: 9Buvqr 	e s nt n),	

By: Supplier or Authorized Representative:(sign over printed na			inted name)	
Deadline of submission of bids:		February 26, 2025	_ Opening of bids:	<u>1:30 pm</u>
Prepared by:	signed <u>PAUL TRAJANO</u> OIC - PURCHASING	signed Noted by: <u>ATTY. MA. LUISA C. TENEDERO</u> BAC IN-HOUSE	signed ENGR. REYNALDO C. JAYCO BAC-TECHNICAL	
	PU NOT ENGAGE IN SOLICI	THE RIGHT TO REJECT BIDS &/OR DECLARE A FAIL IRSUANT TO THE PERTINENT PROVISIONS OF RA 9 TATION OF FUNDS FROM ANY INDIVIDUALS OR EN (UNAUTHORIZED REQUESTS CLAIMING ASSOCIAT	184 NTITIES, AND WE STRC	

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	BAGUIO WATER DISTRIC	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

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e '1)	BAGUIO WATER DISTRICT	Document Code	TWG-TECH EVALUATION
	"Serving Mankind is Serving God"	Document No.	TWG-2023-
1975 CERTIFICATION INTERNATIONAL ISO 9001:2015 ACCONTINUE MIA.001	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	BAGUIO WATER DISTRICT	Document Code	TWG-TECH EVALUATION
$\bigcirc \bigcirc $	"Serving Mankind is Serving God"	Document No.	TWG-2023-
1975 CERTIFICATIONAL INTERNATIONAL ISO 9001:2015 ACCREDUTION BODY MACONTONION BODY MACONTONIONA BODY MACONTONIO BODY MACONTONINA DODIN	TWG SPECIFICATION	Effectivity Date	January 2020
		Revision No.	00

- 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

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				
II.	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:						
	 Replaceable wear ring, bearing and neck ring for easy maintenance 						
	 Sealed top bearing for high resistance against sand 						
	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

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