United States Department of State
General Services Section
Nouakchott, Mauritania

Public Notice

Classification Code: 4320 – PUMPS FOR LIFT STATIONS

NAICS Code: 333911 – Pump and Pumping Equipment Manufacturing

The US Embassy Nouakchott, Mauritania would like to purchase pumps for lift stations. The related Product description is provided as an attachment to this notice.

The U.S. Embassy in Nouakchott has a requirement to purchase pumps for lift stations. Please note that this is a combined synopsis/solicitation for a commercial item, prepared in accordance with the format FAR 12.6, as supplemented with additional information included in this notice.

This announcement constitutes the only solicitation; offers are being requested and a written solicitation will not be issued.

The solicitation number is 19MR6026Q0006 and is issued as a Request for Quotation.

The solicitation/contract includes all applicable provisions and clauses in effect through FAC 2005-55.

Offers are due by June 29, at 18:00.

Contract Clause, in addendum to FAR 52.212-1, Instructions to Offerors-Commercial Items, applies to this acquisition. Award will be made to the lowest priced, technically acceptable offeror.

52.240-90 Security Prohibitions and Exclusions Representations and Certifications.

FAR clause 52.212-4, Contract Terms and Conditions-Commercial items, applies to this acquisition. The following FAR clauses in paragraph (b) of FAR 52.212-5, Contract Terms and Conditions to Implement Statutes or Executive Orders - Commercial Items (https://www.acquisition.gov/far/current/html/52_212_213.html#wp1179527 – include in full text), will apply to the resultant contract: 52.203-10, Price or Fee Adjustment for Illegal or Improper Activity.

The following DOSAR provisions/clauses will also apply: 652.206-70, Competition Advocacy/Ombudsman; 652.214-71, Authorization to Perform; 652.225-70, Arab League Boycott of Israel; 652.225-71, Section 8(a) of the Export Administration Act of 1979, as Amended; 652.242-70, Contracting Officer's Representative; and, 652.243-70, Notices. All offerors must include a completed copy of FAR 52.212-3, Offeror Representations and Certifications - Commercial Items with their offer. Offers are due by September 23, at 18:00.

All responsible sources may submit an offer that shall be considered. If there are any questions regarding the requirements set in the solicitation, please contact Nouakchott Procurement at +222 45 25 26 60.

All contractors must be registered in the SAM (System for Award Management) Database https://www.sam.gov prior to contract award pursuant to FAR provision 52.204-7. Therefore, prospective offerors are encouraged to register prior to the submittal of quotations/proposals.

The guidelines for registration in SAM are also available at:

https://www.statebuy.state.gov/pd/Pages/AdditionalVendorReg.aspx

Furthermore, with the recent FAR update, it is now a mandatory requirement for the Government to inquire if contractors are using or will be using, in government contracting, covered telecommunications equipment produced by Huawei, ZTE, Hikvision, Dahua, and Hytera, or their subsidiaries or affiliates. Consequently, vendors are required to update their SAM registration with that information. Potential offerors are advised to take special attention to clauses FAR 52.204-24, FAR 52.204-25 and FAR 52.204-26 while completing their registration in SAM.

The preferable means of contact for this request for quotation is via electronic mail to the Contracting Officer: NouakchottGSOSolicitations@state.gov .

You will need to check this website periodically for updates.

Thank you in advance for your interest in cooperation with the US Government.

No.	Description	Qty	Unit
1	Model #1: Zoeller 70 Series Model 7012 (3-Phase, 380V) Technical Specifications: • Motor: 2.5 KW, 2800 RPM, 380V/3Ph/50Hz • Discharge Size: 1.25" NPT • Impeller: Bronze vortex design, 6.125" diameter • Construction: Cast iron ASTM A-48 Class 30 with epoxy powder coating • Seals: Dual mechanical - Carbon/ceramic upper, Carbon/silicon carbide lower • Cutter & Plate: 440 SS hardened to Rockwell C55-60 • Weight: 132 lbs (60 kg) • Power Cord: 20' standard (25', 35', 50' available) • Service Factor: 1.2 • FLA/LRA: 4.4A / 18A • Features: Moisture detection system, Viton O-rings, Class F insulation, thermal cutout	2	each
2	Model #2: Zoeller 70 Series Model 7012 (1-Phase, 220V) Technical Specifications: • Motor: 2.5 KW, 2800 RPM, 220V/1Ph/50Hz • Discharge Size: 1.25" NPT • Impeller: Bronze vortex design, 6.125" diameter • Construction: Cast iron ASTM A-48 Class 30 with epoxy powder coating • Seals: Dual mechanical - Carbon/ceramic upper, Carbon/silicon carbide lower • Cutter & Plate: 440 SS hardened to Rockwell C55-60 • Weight: 132 lbs (60 kg) • Power Cord: 20' (6.1 m) standard, CE compliant 33' (10 m) • Service Factor: 1.2 • Features: Moisture detection system, Viton O-rings, Class F insulation, cast-in support legs, stainless steel lifting bail	2	each
3	Model #3: Zoeller 7110 Series (High Flow, 380V/3Ph) Technical Specifications: • Model: AK7110 HFV 380V/3Ph/50Hz/2800/3.2KW • Motor: 3.2 KW, 2800 RPM, 380V/3Ph/50Hz • Discharge Size: 2.5" (64 mm) flanged, adaptable to 3" (76 mm) flange, 2" NPT optional • Impeller: Bronze vortex design • Construction: Cast iron ASTM A-48 Class 30 with epoxy powder coating • Seals: Dual mechanical - Carbon/ceramic upper, Carbon/silicon carbide lower, Buna-N elastomers • Cutter & Plate: 440 SS hardened to Rockwell C55-	4	each

	60 • Weight: 245 lbs (111 kg) • Power Cord: 25' (7.6 m), CE 33' (10 m), #12-4 SO • Service Factor: 1.2 • FLA/LRA: 6.2A / 41A • Features: Moisture detection system, Buna-N O-rings, Class F insulation, balanced concentric pump housing		
4	Model #4: Zoeller V6282 (1-Phase, 220V) Technical Specifications: • Model: V6282 2F/220V/1Ph/50Hz • Motor: 1.0 KW, 1400 RPM, 220V/1Ph/50Hz • Discharge Size: 2" NPT vertical female • Solid Handling: 51 mm (2") spherical solids • Head Range: 1.5 m (5') minimum to 7.0 m (23') maximum • Max Flow: 8.0 L/S (28.7 m^3/hr) @ 1.5 m • Impeller: Cast iron vortex design • Construction: Epoxy coated cast iron • Seals: Dual mechanical - Upper carbon/ceramic, Lower silicon carbide/carbon • Weight: 40 kg (89 lbs) • Power Cord: 8 m (25') standard, UL Listed 3-wire neoprene • Service Factor: 1.15 • FLA/LRA: 5.7A / 17A • Features: Viton O-rings, Class B insulation, thermal overload with automatic reset, optional moisture detection	2	each
5	**Ship to: DA NY Address:** **NEW YORK DA OFFICE DA-NY** **ATTN IKUN LLC** **2801 ROUTE 130 UNIT 1** **NORTH BRUNSWICK, NJ 08902-4309** **UNITED STATES**	1	All

Model #1

70 SERIES • MODELS 7012

Discharge size - 1¼" NPT
Seals - dual mechanical carbon/ceramic upper carbon/silicon carbide lower
Moisture detection system
Construction - Cast iron ASTM A-48 Class 30 30,000# tensile strength, protected with a

corrosion resistant baked epoxy powder coating
Attaching hardware - 304 stainless steel
O-ring seals - Viton
Impeller - Bronze vortex design
High head model

- 2.5 KW 2800 RPM
- 3 Phase - 380 Volt
- Stator - Class F insulation and lead wires Nema B design
- Thermal with leads
- Housing - Cast iron oil-filled
- Ball bearings - Upper and lower high carbon chromium steel

MODELS:	**7012**
CONFIGURATION:	HIGH HEAD
SERVICE FACTOR:	1.2
NEC LOCKED ROTOR CODE:	G
MAXIMUM KW INPUT:	2.5
STANDARD IMPELLER DIAMETER:	6.125"
DISCHARGE SIZE:	1.25" NPT

IMPELLER TYPE:	BRONZE VORT X	**TANDEM SEALS:**	STANDARD
CUTTER & PLATE:	SS HARDENED TO 55-60 ROCKWELL	**MOTOR DESIGN LETTER:**	NEMA B (3 Ph)
PUMP NET WEIGHT:	132 bs. (60 Kg)	**POWER CORD LENGTH: ft (m)** **(20' STANDARD)**	☐ 25' ☐ 35' ☐ 50' (7.6 m) (10.7 m)(15.2 m)
O-RINGS:	VITON		
MOTOR SHAFT:	416 SS	**POWER CORD:**	14 AWG SOW / CE PUMP - H07RN-F4G1.5
RPM:	2800	**STATOR & LEAD WIRES INSULATION:**	CLASS F
MOTOR TYPE:	SUBMERSIBLE	**MAXIMUM STATOR TEMPERATURE:**	311°F (155°C)

SHAFT SEAL CONSTRUCTION:	**STANDARD**	CARBON/CERAMIC UPPER CARBON/SILICON CARBIDE LOWER
	OPTIONAL UPPER	☐ CARBON /SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL LOWER	☐ SILICON CARBIDE/SILICON CARBIDE
STANDARD SENSING DEVICES*	**MOTOR THERMAL SHUTOFF** **MOISTURE DETECTION**	THERMAL CUT-OUT (3 PH) MOISTURE SENSING PROBES
IMPELLER TRIM - REVERSING MODELS ONLY: OPTIONAL ☐		DESIGN POINT: _____GPM @ _____' TDH, IMPELLER DIA. _____ _____" DESIGN POINT:

	_____LPM @ _M, IMPELLER DIA. _____mm
MAXIMUM WATER TEMPERATURE:	104°F (40°C)

MODEL	**SERVICE FACTOR**	**380V / 3 PH**	
		FLA	**LRA**
7011	1.2	4.4	18
7012	1.2	4.4	18
7013	1.2	4.4	18

Model #2

70 SERIES • MODELS 7012

440 stainless steel cutter and plate hardened to Rockwell C55-60
Discharge size - 1¼" NPT
Seals - dual mechanical carbon/ceramic upper carbon/silicon carbide lower
Moisture detection system
Construction - Cast iron ASTM A-48 Class 30 30,000# tensile strength, protected with a corrosion resistant baked epoxy powder coating
Attaching hardware - 304 stainless steel
O-ring seals - Viton
Impeller - Bronze vortex design
High head model
Motor
2.5 KW, 2800 RPM
220V/1ph/50hz
Stator - Class F insulation and lead wires Nema B design
Thermal with leads
Housing - Cast iron oil-filled
Ball bearings - Upper and lower high carbon chromium steel
Power and cable length - 20' (6.1 m). C.E. Compliant pump has 33' (10 m)

EATURES

1. 20' (6.1 m) power and sensor cable. C.E. Compliant pump has 33' (10 m)
2. Cast in support legs enabling the pump to be free standing.

3. Stainless steel lifting bail.
4. Stator - Class F insulation and lead wires Nema B design.
5. Thermal sensor protection. Oil-filled motor housing assures uniform heat distribution, lubricates bearings, and conducts heat for cooler running.
6. Upper and lower high carbon chromium steel ball bearings.
7. Finned motor housing and adapter for quicker heat dissipation.
8. "Star" type stainless steel cutter and plate hardened to Rockwell C55-60.
9. Stainless steel shaft and hardware resists corrosion.
10. Protective cutter ring helps to extend cutter life.
11. Heavy duty motor features ball bearing construction. Class F motor insulation is double dipped and baked. End connections and lead wires are Class F. At maximum load, winding temperature will not exceed 250°F (121°C) with motor housing not submerged.
12. Viton O-ring seals.
13. Heavy duty cord connections.
14. Class 30 cast iron housing protected with corrosion resistant baked on epoxy powder coating.
15. Tandem seals. Carbon/rotating, ceramic/stationary upper, carbon/silicon carbide lower, Buna-N elastomers.
16. Patented moisture detection system with upper and lower probes, protecting the motor from liquid entry.
17. Vortex impeller design made of cast bronze, fully balanced with integral pump out vane to clear debris.
18. 1¼" NPT vertical discharge.
19. Concentric pump housing with centerline discharge reduces radial loading for longer bearing and shaft seal life.
20.

MODELS:	**7012**
CONFIGURATION:	HIGH HEAD
SERVICE FACTOR:	1.2
NEC LOCKED ROTOR CODE:	G
MAXIMUM KW INPUT:	2.5
STANDARD IMPELLER DIAMETER:	6.125"
DISCHARGE SIZE:	1.25" NPT

MODEL	**SERVICE FACTOR**	**380V / 3 PH**	
		FLA	**LRA**
7011	1.2	4.4	18
7012	1.2	4.4	18
7013	1.2	4.4	18

IMPELLER	BRONZE VORT X	**TANDEM SEALS:**	STANDARD

TYPE:			
CUTTER & PLATE:	SS HARDENED TO 55-60 ROCKWELL	**MOTOR DESIGN LETTER:**	NEMA B (3 Ph)
PUMP NET WEIGHT:	132 bs. (60 Kg)	**POWER CORD LENGTH: ft (m)**	☐ 25' ☐ 35' ☐ 50'
O-RINGS:	VITON	**(20' STANDARD)**	(7.6 m) (10.7 m)(15.2 m)
MOTOR SHAFT:	416 SS	**POWER CORD:**	14 AWG SOW / CE PUMP - H07RN-F4G1.5
RPM:	2800	**STATOR & LEAD WIRES INSULATION:**	CLASS F
MOTOR TYPE:	SUBMERSIBLE	**MAXIMUM STATOR TEMPERATURE:**	311°F (155°C)

SHAFT SEAL CONSTRUCTION:	**STANDARD**	CARBON/CERAMIC UPPER CARBON/SILICON CARBIDE LOWER
	OPTIONAL UPPER	☐ CARBON /SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL LOWER	☐ SILICON CARBIDE/SILICON CARBIDE
STANDARD SENSING DEVICES*	**MOTOR THERMAL SHUTOFF** **MOISTURE DETECTION**	INTEGRAL ON-LEAD (1 PH) OR THERMAL CUT-OUT (3 PH) MOISTURE SENSING PROBES
IMPELLER TRIM - REVERSING MODELS ONLY: OPTIONAL ☐		DESIGN POINT: _____GPM @ _____' TDH, IMPELLER DIA. _____ _____" DESIGN POINT: _____LPM @ _M, IMPELLER DIA. _____mm
MAXIMUM WATER TEMPERATURE:		104°F (40°C)

Model #3

7110-XXXX AK7110 HFV 380V/3Ph/50Hz/2800/3.2KW/2" NPT

440 stainless steel cutter and plate hardened to Rockwell C55-60
Discharge size - 2½" (64 mm) flanged horizontal adaptable to 3" (76 mm) flange, 2" NPT optional.

Seals - dual mechanical carbon/rotary ceramic/stationary, Buna-N elastomers
Moisture detection system
Construction - Cast iron ASTM A-48 Class 30 30,000# tensile strength, protected with a corrosion resistant baked on epoxy powder coating.
Balanced concentric pump housing and impeller.
Attaching hardware - 304 stainless steel
O-ring seals - Buna-N.
Impeller - Bronze vortex design
High Flow

Motor:

Phase - 380 Volt 2800 RPM.
Stator - Class F insulation and lead wires.
Nema B design.
Thermal sensor with leads.
Housing - Cast iron oil-filled.
Ball bearings - Upper and lower high carbon
Power and sensor cable length - 25' (7.6 m).

MODEL NUMBER:	☐ **7110**	☐ **7111**	☐ **7112**
SERVICE FACTOR:	1.2	1.2	1.2
NEC LOCKED ROTOR CODE:	K	L	J
MAXIMUM KW INPUT:	3.2	4.3	5.3
IMPELLER DIAMETERS: in (mm) STANDARD	REFER TO PUMP PERFORMANCE DATA		
DISCHARGE SIZE:	☐ 2 1/2" (64 mm) Flanged, adaptable to 3" (76 mm)		
☐ **High Head Design**	☐ **High Flow Design**	☐ **Reversible Design (3 Phase Flange Models Only)**	

IMPELLER TYPE:	Bronze Vortex	**TANDEM SEALS:**	S andard
FLANGE:	ANSI B16.	**MOTOR DESIGN LETTER:**	NEMA B (3 Ph)
PUMP NET WEIGHT: lbs. (kg)	245 bs. (111 kg)	**POWER CORD LENGTH: ft (m)**	25' (7.6 m) ☐ ' CE 33' (10m)
MOTOR SHAFT:	416 SS	**POWER CORD:**	#12-4 SO* / CE pump - H07RN-F4G4
RPM:	2800	**STATOR & LEAD WIRES INSULATION:**	Class F

SHAFT SEAL	**STANDARD**	CARBON/CERAMIC - UPPER

CONSTRUCTION:		CARBON/SILICON CARBIDE - LOWER
	OPTIONAL UPPER	☐ CARBON /SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE
	OPTIONAL LOWER	☐ CARBON /SILICON CARBIDE ☐ SILICON CARBIDE/SILICON CARBIDE
STANDARD SENSING DEVICES**	**MOTOR THERMAL SHUTOFF** **MOISTURE DETECTION**	THERMAL SENSORS WITH AUTOMATIC RESET MOISTURE SENSING PROBES
IMPELLER TRIM: OPTIONAL ☐		DESIGN POINT: _____LPM @ _____m TDH, IMPELLER DIA. _____mm DESIGN POINT: _____GPM @ _____' TDH, IMPELLER DIA. _____"
MAXIMUM WATER TEMPERATURE:		104°F (40°C)
MOTOR TYPE:	Submersible	**MAXIMUM STATOR TEMPERATURE:** 311°F (155°C)

**Units with FLA greater than 20 amps use a #8-4-gauge power cord. **Requires a circuit in control panel to function.

MODEL	KW	SERVICE FACTOR	☐ 380V / 3 PHASE	
			FLA	LRA
7110	3.2	1.2	6.2	41
7111	4.3	1.2	7.7	62
7112	5.3	1.2	9.5	62

Model#4

6282-0089 **V6282 2F/220V/1Ph/50Hz/DS/No Plug**

PUMP NAME PLATE POWER: (kw)	1.0 KW
SOLID SIZE: mm (in)	51 mm (2")
MINIMUM HEAD: m (ft)	1.5 m (5')
MAXIMUM HEAD: m (ft)	7.0 m (23')
MAX.FLOW L/S (m^3/hr) @ MIN. HEAD m (ft)	8.0 L/S (28.7 m^3/hr) @ 1.5 m (4.9')

DISCHARGE SIZE: VERTICAL FEMALE	2" NPT

PUMP NET WEIGHT: kg (lbs)	40 kg (89 lbs)	**MOTOR TYPE:**	SUBMERSIBLE
SERVICE FACTOR:	1.15	**TYPE SOW* POWER CORD LENGTH: m (ft)**	8 m (25')
MOTOR DESIGN LETTER:	NEMA B	**MOTOR SHAFT:**	416 S.S.
IMPELLER TYPE:	CAST IRON VORTEX	**STATOR INSULATION:**	CLASS B
O-RINGS AND COVER GASKET:	VITON	**LEAD WIRES INSULATION:**	CLASS B
RPM:	1400	**MAXIMUM STATOR TEMPERATURE:**	130°C (266°F)

SHAFT SEAL CONSTRUCTION:	**STANDARD**	UPPER-CARBON/CERAMIC, LOWER-SILICON CARBIDE/ CARBON
	OPTIONAL ☐ UPPER ☐ LOWER	☐ SILICON CARBIDE / CARBON ☐ SILICON CARBIDE / SILICON CARBIDE ☐ SILICON CARBIDE / SILICON CARBIDE
MOTOR THERMAL SHUTOFF: STANDARD (Single Phase Only)		THERMAL OVERLOAD WITH AUTOMATIC RESET
MOISTURE DETECTION:	☐ **OPTIONAL****	MOISTURE SENSING PROBES
MINIMUM RECOMMENDED FLUID LEVEL: mm (in)		2.54 mm (10")
MAXIMUM WATER TEMPERATURE:		54°C (130°F)

*CE rated models with H07RN power cord are available upon request.

**Requires a circuit in control panel to function.

Electrical DATA

KW	☐220V/1PH		☐380V/3PH	
	FLA	LRA	FLA	LRA
1.0	5.7	17	1.6	6

Standard all models - 8 m (25') cord

MODEL	Selection Guide		
	Volts	PH	Amps
V6282	220	1	5.7
AK6282	380	3	1.6

FEATURES

- Durable epoxy coated cast iron construction.
- Motor: 1.0 KW, 50 Hz, 1400 RPM, 1 Ph or 3 Ph, OIL/filled, hermetically sealed, automatic reset, thermal overload protected (1 Ph).
- Bearings: upper and lower ball bearings.
- Stainless steel motor shaft.
- Dual mechanical shaft seals - upper carbon/ceramic, lower silicon carbide/ carbon. Optional seal materials available.
- Viton O-ring seals and cover gasket.
- Impeller: non-clogging cast iron vortex design passes 51 mm (2") spherical solids.
- 8 m (25'), UL Listed, 3-wire neoprene cord and plug. Longer cords available in lengths of 11 m (35') or 15 m (50').
- CE models include an HD/FDN power cord.
- No screws to clog.
- Stainless steel screws, bolts and handle. 2’’ NTP discharge with 3" flange available.
- Corrosion-resistant powder coated epoxy finish.
- Moisture sensors available for early warning of seal failure (optional).
- 100% computerized tested