



CAPE COLLEGE OF ENGINEERING ALAPPUZHA

(Formerly College of Engineering and Management Punnappra)

An ISO 9001: 2015 certified Institution

(Under the Co-operative Academy of Professional Education, Estd. by Government of Kerala)

NOTICE INVITING QUOTATION (NIQ)

Supply of 1 HP Sewage Submersible Pump for Dewatering of Cable Trench at Electrical Substation

NOTICE INVITING QUOTATION

NIQ No.: CEMP/A3/1181/2026

Date: 29.06.2026

Sealed quotations are invited from authorized dealers, distributors, or suppliers for the supply of a 1 HP Sewage Submersible Pump Set for removal of water accumulated in cable trenches of an electrical substation. The offered pump shall be of specifications equivalent to or better than a V-Guard sewage submersible pump suitable for continuous dewatering applications.

1. Scope of Supply

Supply, testing, and delivery of:

Sl. No.	Description	Qty
1	1 HP Sewage Submersible Pump Set complete with cable and accessories	1 No.

2. Technical Specifications

Supplying, approved quality submersible sewage pump set (Lubi, Kirloskar or equivalent make) suitable for pumping sewage and wastewater, complete with submersible motor, pump casing, impeller, delivery arrangement, power cable and all accessories required for satisfactory operation.

The pump shall conform to the following minimum specifications:

- Diameter: 50mm
- Type : Submersible Sewage Pump
- Motor Rating : 1 HP (0.75 kW)
- Power Supply : 230 V, Single Phase, 50 Hz AC
- Flow rate :1000lps/minute
- Vertical Head: 6m
- Ambient temp:Max+50^{0c}
- Liquid Temperature: 0^{0c} to +50^{0c}
- Protection Class : IP68
- Insulation : F Class
- Thermal Protector: Automatic reset motor protector
- Motor stator body: Stainless Steel, Grade AISI 304.

Approved by AICTE New Delhi and Affiliated to APJ Abdulkalam Technological University Thiruvananthapuram

Akshara Nagari, Kalarcode Jn. NH 66 Bypass, Vadackal P.O., Alappuzha – 688 003

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Website : www.cempunnappra.org

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- Pump shaft: Stainless Steel, Grade AISI 410.
- Power cable: Heavy-duty PVC insulated cable of 5m length.
- Impeller: Semi-open, non-clog type suitable for sewage applications.
- Sealing arrangement: Double mechanical seal.
- Bearings: Ball type bearings.
- Mechanical shaft seal:
 - Motor side: Carbon vs Ceramic (for 0.75–2.2 kW pumps).
 - Pump side: Carbon vs Ceramic (for 0.75 kW pumps) and Silicon Carbide vs Silicon Carbide (for 1.5 –2.5 kW pumps).
- Impeller construction: Semi-open/vortex type made of Grey Cast Iron, suitable for handling sewage and preventing clogging.
- Volute, upper cover and volute base: Made of Grey Cast Iron.
- Motor protection: In-built automatic reset thermal overload protector.
- Duty rating: Suitable for S1 duty when fully submerged and S3 duty when partially submerged.
- Flexible delivery hose of 30 m length

The pump set shall be supplied complete in all respects and as directed by the **Engineer-in-Charge**. The rate shall include the cost of supply, conveyance, loading, unloading, handling, stacking at site, taxes, duties and all incidental charges necessary for the satisfactory completion of the supply, complete as required.

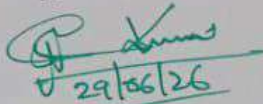
Last Date & Time for Submission: .10.07.2026

Opening Date & Time: 10.07.2026, 03.PM

The Principal

CAPE College of Engineering Alappuzha

Formerly College of Engineering & Management, Punnapra
Alappuzha – 688004, Kerala


29/06/26

Principal

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