

MECHANICAL ENGINEERING DEPARTMENT
OFFICE OF THE SENIOR DEPUTY MATERIALS MANAGER
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e-QUOTATION NOTICE

NO: E1/UPS & BATTERY/110 KV SUBSTATION/ELE/2026-MM

Date: 21.09.2026

1. Electronic Quotations (e-Quotations) on item rate basis are invited for the “Supply and installation of 01 No. 6 kVA True Online UPS with 2years warranty and CAMC for 3 years after two years warranty period and with 20 Nos. 12 V, 42 AH batteries with 5 years warranty for 110 KV Substation of Cochin Port Authority”. The old 10 KVA UPS and 20 Nos. batteries will be given on buy back basis.
2. Quotations shall be submitted before **2.30 pm on 01.10.2026** and shall be opened at **3.00 pm on the same day.** Bill of Quantities, General Conditions, Scope of Work& Technical Specifications for are enclosed.
3. The e-Quotations are invited on item rate basis. The estimated amount (PAC) is **Rs.1,56,771/- excluding GST**. The Bidders shall quote rates excluding GST in the Bill of Quantities (BoQ) and submit it ONLINE in e-tender portal www.tenderwizard.com/CPT. GST at the applicable rates will be paid extra.
4. The Contract shall be awarded to the L1 Bidder based on the combined total amount of the UPS, Battery and 3 years of CAMC.
5. The bidders are to obtain the one time User ID & password for log-in to the e-tendering Portal www.tenderwizard.com/CoPT from the service provider M/s.KEONICS by paying registration amount of Rs.1124/- through online Payment using Credit/Debit Card/Net banking or DD in favour of “KSEDCL, Bangalore”.
6. The intending bidder must have valid Class-II or III digital signature certificate to submit the bid. For further details, please contact e-Tender Help Desk No. 080-40482000/ 080-49352000/ 9746118529/ 9605557738.
7. The Quotation document will be available as two separate files in the e-quotation Portal; containing the following:
 - a. E-Quotation Notice with General Conditions, Scope of work & Technical Specifications.
 - b. Bill of Quantities.
8. Both 7(i) & filled in 7(ii) above shall be submitted “Online” only. The name and address of the Bidder shall be necessarily entered in the space provided in the Bill of Quantities.
9. The Bidders should submit detailed Technical Specifications/Brochure of the quoted UPS and Batteries offered.
10. The Quotations shall be valid for a period of **90 days from** the due date of submission of quotation.
11. The Bidder shall inspect the site, buyback UPS and Batteries in advance before quoting for the bid (if required) on all Office working days between 10.00 AM and 4.00 PM.
12. Cochin Port Authority reserves the right to reject part or whole of the quotation without assigning any reason.

SCOPE OF WORK & TECHNICAL SPECIFICATIONS

I. Scope of Work:

1. Supply, installation & commissioning of a new 6 KVA True Online UPS, with single-phase input and single-phase output in the 110 KV sub-station of Cochin Port Authority, as a replacement of the presently provided 10 KVA UPS. The AC output from the battery bank connected through this UPS acts as the backup supply for station lighting, fans and other equipment's when the station LT supply fails. Hence, the UPS system is crucial for the smooth functioning of the 110 KV sub-station operations. The UPS shall have 2 years warranty and thereafter will be under 3 years CAMC. A 10 kVA Emerson make Model: S410D UPS presently installed at the 110 kV Substation, CoPA will be given on buy-back option.

Makes: Delta (Unicorn) / Vertiv / APC

2. Supply, installation & commissioning of 20 Nos. 12 V, 42 AH SMF batteries. The newly provided batteries shall have 5 years warranty. Battery rack, linking cables and all accessories necessary for commissioning shall be provided by the successful bidder. 20 Nos. 12 V, 42 AH SMF batteries presently installed (2023) will be given on buy-back option

Makes : Exide / Amaron / Prestolite / Amco / Standard Furukawa

3. The successful bidder should dismantle the old UPS and Batteries and have to install the supplied new UPS and Batteries and make it ready for working.
4. The successful bidder should remove the buyback items from CoPA premises. Transportation of buy back items from CoPA premises should be arranged by the successful bidder at their own cost.
5. The rate quoted should be inclusive of dismantling old UPS & Batteries, supply and installation of new 6 KVA UPS and 20 nos. Batteries along with all accessories specified in the RFQ on buyback basis of old UPS and Batteries in as is where is conditionand, make it ready for working at Cochin Port Authority.
6. All care and precautionary measures for avoiding any kind of damage/ accidents in the work site shall be taken by the Contractor. All safety precautions shall be taken while carrying out the work. The Contractor shall supply the necessary safety equipment's to the workers employed by him and also ensure that they use it, while carrying out the work. The Contractor shall be solely liable and responsible for accidents if any, occurring during the period of Contract. The Port will in no way be responsible for any loss/damages caused in connection with the work.

II. Specifications for 6KVA UPS

Sl. No.	Category		Description
1	Power Rating		6kVA/6KW
2	Input	Nominal Voltage	200/208/220/230/240 Vac
		Voltage Range	200/208 (de-rating to 90%): 100Vac~280Vac 220/230/240: 100Vac~280Vac
		Frequency	40Hz ~ 70Hz
		Power Factor	>0.99 (Full load)
		Current Harmonic Distortion	< 3%
3	Out Put	Power Factor	1
		Nominal Voltage	200/208/220/230/240 Vac
		Frequency	50/60 $\pm$ 0.05 Hz
		Voltage Harmonic Distortion	< 2% (linear load)
		Overload capability	< 105%: continuous; 105% ~ 125%: 2 minutes; 125% ~ 150%: 30 seconds
		Crest Factor	3:1
4	Efficiency	AC-AC	Up to 95%
		ECO mode	Up to 98%
5	Battery	Voltage	192-264Vdc adjustable
		Charge current	1.5-8A selectable
6	Audible Noise		< 50dBA
7	Display		LED indicators and LCD display
8	Communication Interfaces		REPOx1, RS-232 Port x1, USB Port x1, Parallel Port x2, Mini Slot x1
9	Environment	Operating Altitude	1000 meters (without de-rating)
		Operating Temperature	0 ~ 40°C (at 100% load) 45 ~ 55°C (de-rating to 80%)
		Storage Temperature	-15 ~ 50°C
		Relative Humidity	5 ~ 95% (non-condensing)

Terms & Conditions

1. **Rates quoted:** The rates quoted shall be inclusive of all taxes and duties, except GST. GST at the applicable rate will be paid extra.
2. **Delivery Period:** 30 Days from the date of order..
3. **Terms of delivery:** F.O.R. at Site, Divisional stores, Cochin Port Authority, Willingdon Island, Cochin- 682009, Kerala State.
4. **Consignee:** Dy. Materials Manager, Cochin Port Authority, Willingdon Island, Cochin- 682009, Kerala State, Contact No: 6375094263
5. **Engineer – in – charge:** Superintending Engineer (Ele.) Cochin Port Authority shall be the Engineer – in – charge for this procurement.
6. **Payment: 90%** payment will be made within 30 days from the date of completion of work at site to the entire satisfaction of the Engineer– in– charge. Balance 10% will be withheld from the invoice of the supplier against security deposit so as to cover the warranty period and CAMC period and will be refunded after successful completion of CAMC period upon certification from Engineer – in – charge.
7. **Security Deposit:** 10% of total contract value will be withheld from the invoice of the supplier against security deposit so as to cover the warranty period and CAMC period and will be refunded after successful completion of CAMC period upon certification from Engineer–in– charge. If the supplier fails to carry out the defect rectification during warranty period and CAMC period, penalty will be deducted on pro rata basis from the security deposit amount.
8. **Warranty:** The UPS shall have a warranty of **2 Years** and the SMF batteries shall have a warranty of **5 years** from the date of installation and commissioning. In the event of any manufacturing defect during the warranty period, the supplier shall replace the defective items free of cost to Cochin Port Authority. The cost of all replacement of such materials, including freight, insurance, clearance, customs duty, tax, delivery charges, labour charges and service charges. etc. shall be borne by the supplier. On replacement of the spares the system should be made operational up to Operating system level by the OEM/Supplier. **If the supplier does not respond to warranty claim within seven days of intimation of defect, the warranty period of the same shall be extended beyond the normal period by such period, not exceeding the period of idleness, as the Sr. Dy. Materials Manager of the Cochin Port Authority will decide.**

III. Conditions for Comprehensive Annual Maintenance Contract

- a) The Comprehensive Annual Maintenance Contract (CAMC) for 01 No. UPS and 20 Nos. Battery health checking shall commence after the satisfactory completion of 2 years UPS Warranty period.
- b) A separate CAMC order will be issued for the Comprehensive Annual Maintenance Contract, before the satisfactory completion of the warranty period of the installation by the Superintending Engineer (Electrical).

- c) The CAMC shall be fully comprehensive and covers repairs and servicing to the complete UPS system, replacement of all parts required for the satisfactory functioning of the UPS (inclusive of all labour and service charges).
- d) The CAMC rate shall be inclusive of the Cost of spare parts, cables etc. required for the routine and breakdown maintenance.
- e) Labour and service charges for the Battery health check up till the satisfactory completion of CAMC period.
- f) Upon written intimation/ intimation over telephone/ mail/ whatsapp of a complaint/ defect (during the guarantee/ warranty/ CAMC period), the contractor should send representative(s) to attend the defects immediately, but not later than 12 hours. If the equipment become nonfunctional beyond the period of 12 hours due to delay in rectifying the defect, proportionate deduction on pro rata basis shall be effected from the running bill of the contractor on CAMC charges. However the routine maintenance with prior approval from the CoPA will not be counted as non-availability of the system.
- g) The routine /usual visit/ inspection/preventive maintenance should be done at least once in a month and the report submitted to Superintending Engineer (Electrical). This visit shall be done with the permission/in the presence of the officer concerned and should cause only minimum disturbance to the functioning of the system.
- h) **Payment for CAMC:** - The Half yearly payment for CAMC will be released on satisfactory completion of every six months period, upon certification of Engineer-in-charge or the authorized representative of the employer.
- i) In the case of breach of contract / the Contractor fails to carry out the CAMC to the satisfaction of the Engineer in Charge or the authorized representative of the employer, the Security Deposit will be forfeited and the Employer will arrange to carry out the balance CAMC at the risk & cost of the Contractor.
- j) **PENALTY:** During the CAMC period of 3 years, the UPS shall be fully operational and should give the required output. During the CAMC period of 3 years, if the system as a whole or any accessory/ equipment / item of the system is rendered non-operational, a penalty @1% of the CAMC amount for the year per week or part thereof will be levied for the non-operational days, the maximum of which shall be limited to 10% of the contract value for that year. Hours of non-functionality in different spells will be accumulated to arrive at a day and a week. Day shall mean an English Calendar Day and seven such calendar Days will be a week.
- k) **TERMINATION OF CAMC:** The CAMC will be terminated prior to the completion of the CAMC period by the Employer by giving a 15days advance notice, in the case of breach of any contract conditions which result in the nonfunctioning of the UPS.

Sd/-
Sr. Dy. Materials Manager
Cochin Port Authority

