



**वाष्कोस लिमिटेड**  
**WAPCOS LIMITED**

(भारत सरकार का उपक्रम)  
जल संसाधन, नदी विकास व गंगा संरक्षण मंत्रालय  
(A Government of India Undertaking)  
Ministry of Water Resources, River Development & Ganga Rejuvenation

ISO 9001: 2015  
Consultancy Services  
Engineering, Procurement &  
Construction (EPC)

**NIT No.: WAP/ENVT/H-3082/CSEZ/2023-24/3, Dt. 01.11.2023**

**NOTICE INVITING TENDER (NIT)**

**For**

**REPLACEMENT OF THE MANUALLY OPERATED 250 A CHANGE OVER SWITCH, 250 A INCOMER WITH STARTER PANEL, PROVIDING FCMA SOFT STARTER AND 25 KVAR APFC (AUTOMATIC POWER FACTOR CONTROLLER) PANEL AT EDACHIRA PUMP HOUSE, CSEZ, KAKKANAD**

**WAPCOS Limited**  
(A Government of India Undertaking)  
Project Office, Cochin Special Economic Zone,  
CSEZ Administrative Building,  
Kakkanad, Cochin – 682 037  
Telephone: 0484-2413544  
E-mail: [cochincsez@wapcos.co.in](mailto:cochincsez@wapcos.co.in); [wapcos.csez@gmail.com](mailto:wapcos.csez@gmail.com)

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**Section-I****NOTICE INVITING TENDER (NIT)****NIT No.: WAP/ENVT/H-3082/CSEZ/2023-24/3 dated 1.11.2023****Subject: NIT Replacement of the manually operated 250 A change over switch, 250 A incomer with starter panel, providing FCMA Soft starter and 25 kVAr APFC (Automatic power factor controller) panel at Edachira pump house, CSEZ, Kakkanad**

Sealed Tenders are invited by WAPCOS Limited, CSEZ Project Office on behalf of Chairman CSEZ Authority, from experienced agencies for Replacement of the manually operated 250 A change over switch, 250 A incomer with starter panel, providing FCMA Soft starter and 25 kVAr APFC (Automatic power factor controller) panel at Edachira pump house, CSEZ, Kakkanad. covering the scope of services specified/detailed herein in this NIT.

1.	Name of Work:	:	<b>Replacement of the manually operated 250 A change over switch, 250 A incomer with starter panel, providing FCMA Soft starter and 25 kVAr APFC (Automatic power factor controller) panel at Edachira pump house, CSEZ, Kakkanad</b>
2.	Location	:	Edachira pump house, CSEZ, Kakkanad, Kerala
3.	Website for upload tender/Corrigendum/Addendum	:	<a href="http://www.csezauthority.in">www.csezauthority.in</a> ,
4.	Project Completion Period	:	2 month from the date of award
5.	Estimated Cost	:	Rs. 10,27,100/-
6.	Validity of Bid/Tender	:	90 Days
7.	EMD	:	Rs. 20,542/- in the form of RTGS/NEFT/D.D./Banker's Cheque/ FDR/Insurance Surety Bond in favour of "WAPCOS Limited" payable at Cochin
8.	Tender Fee	:	Rs.1,180/- (Non-refundable, inclusive of GST in the forms of DD in favour of WAPCOS Limited, payable at Ernakulam)
9.	Last date & time of Procurement / download of tender Document	:	14.11.2023 at 15:00 Hrs
10.	Last date & time for submission Bid.	:	14.11.2023 up to 15:30 hours in the office of WAPCOS Limited (Cochin Special Economic Zone Project Office), CSEZ Administrative Building, Kakkanad, Cochin – 682 037
11.	WAPCOS information	Contact :	WAPCOS Limited (Cochin Special Economic Zone Project Office), CSEZ Administrative Building, Kakkanad, Cochin – 682 037; Telephone: 0484-2413544; E-mail: <a href="mailto:cochincsez@wapcos.co.in">cochincsez@wapcos.co.in</a> ; <a href="mailto:wapcos.csez@gmail.com">wapcos.csez@gmail.com</a>

Note-1. If the office of WAPCOS Limited, Cochin SEZ happens to be closed on the last date and time mentioned for any of the event, the said event will take place on the next working day at the same time and venue

Note: - 2. Bids without EMD and Tender fee in the acceptable format will be summarily rejected.

The tender document has to be downloaded from above specified websites. Bidders are advised to visit above specified websites regularly for updates /Amendments/ Corrigendum, if any. The Updates/Corrigendum/Addendum shall be followed up to submission of tender and it will be the part of tender. The full details about the work, specifications, Drawings, terms and conditions shall be available in the Tender Document.

The purpose of this NIT is to provide interested parties with information to assist the preparation of their bid. While WAPCOS Limited has taken due care in the preparation of the information contained herein, and believe it to be complete and accurate, neither it nor any of its authorities or agencies nor any of its respective officers, employees, agents or advisors give any warranty or make any representations, expressed or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

Further, WAPCOS/CSEZA does not claim that the information is exhaustive. Respondents to this NIT are required to make their own inquiries/ surveys/site visit and will be required to confirm, in writing, that they have done so and they did not rely solely on the information in NIT. WAPCOS Limited is not responsible if no due diligence is performed by the bidders.

### **IMPORTANT POINTS**

- i. The bidder should be an Indian Registered Company under Companies Act 1956/ Proprietorship Company/ Partnership Company/Registered under any statute in India.
- ii. Bidder should have experience in similar work and Proof of similar works executed Including work orders, completion certificate
- iii. All Bidders are hereby cautioned that Bids containing any deviation or reservation shall be considered as non-responsive and shall be summarily rejected.
- iv. WAPCOS Ltd. reserves the right to accept or reject any or all bids without assigning any reasons thereof. No Bidder shall have any cause of action or claim against WAPCOS/CSEZA for rejection of his Bid and will not be bound to accept the lowest or any other tender. No reimbursement of cost of any type or on any account will be paid to persons or entities submitting their Bid.
- v. All information submitted in response to this NIT shall be the property of WAPCOS Limited and it shall be free to use the concept of the same at its will.
- vi. It is hereby declared that WAPCOS is committed to follow the principle of transparency, equity and competitiveness in public procurement. The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender/bid documents, failing which the tenderer/bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected. This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the WAPCOS.

- vii. In the case of discrepancy between the schedule of Quantities/Project Components, the Specifications and/ or the Drawings, the following order of preference shall be observed:
- a. Description of Bill of Quantities/ Project Components.
  - b. Particular Specification and Special Condition, Drawings if any.
  - c. Relevant Indian Standard codes and CPWD Specifications.
  - d. Any other valid Guidelines issued by finance Dept. of GoI or CPWD.

Final decision on the discrepancy shall be the sole discretion of WAPCOS Authorities

**For and on behalf of WAPCOS LIMITED**

**(Sd/-)**

**WAPCOS Limited**

## Section-II

### 1.0 INTRODUCTION

Cochin Special Economic Zone (CSEZ) is a Special Economic Zone functioning under the Administrative control of the Department of Commerce, Ministry of Commerce & Industry, Government of India. The Zone acts as an export hub for the industries whose products are marketed overseas. Cochin Special Economic Zone Authority (CSEZA) is an authority created under Special Economic Zone Act, 2005. It functions as an infrastructure facilitator of the Zone by assuming the role of a Developer of the Zone. CSEZA distributes power and water required by the industries in the Zone. It also manages a common effluent treatment plant within the Zone. CSEZA has appointed **WAPCOS Limited**, A Government of India Undertaking under the Ministry of Water Resources, River Development and Ganga Rejuvenation as '**Owner's Engineer**'. WAPCOS intends to select an agency for Replacement of the manually operated 250 A change over switch, 250 A incomer with starter panel, providing FCMA Soft starter and 25 kVAr APFC (Automatic power factor controller) panel at Edachira pump house, CSEZ, Kakkanad in an efficient manner through engagement of reputed agencies having relevant experience.

### 2.0 CONDITIONS OF CONTRACT

#### 2.1 Validity of offer

The offer shall be valid for a period of 90 days from the date of submission.

#### 2.2 Rates

The rates quoted shall include all the taxes, duties, levies, cess etc. in respect of this contract shall be payable by the contractor and WAPCOS shall not entertain any claim whatsoever in this respect.

Cost for all the statutory and safety precautions shall include in the rates quoted and WAPCOS will not entertain any claim, whatsoever in this respect. The rates shall be firm for the period from the date of the award of contract for a period of 90 days or till the completion and release of payment for the work and no escalation whatsoever will be allowed during this period. If pursuant to or under any law, notification or order any royalty, cess or the like becomes payable by the WAPCOS and does not any time become payable by the contractor to the State Government, Local authorities in respect of any material used by the contractor in the works, then in such a case, it shall be lawful to the WAPCOS and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from dues of the contractor

#### 2.3 Billing and Payment

Bidders are advised to execute LUT and should be able to supply goods and services at zero rate through LUT. The CSEZ Developers/units have been exempted from Payment of Customs Duty for goods or services imported into SEZ for its authorised operations in terms of Section 26 of SEZ Act, 2005. As per 16(1) of Chapter VII of IGST Act, all supplies of goods or services or both to SEZ Developer and Units are zero rated. Accordingly bidder shall submit LUT if already registered. If not registered till date of submission of bid, bidder shall hereby agree that they will get registered before submission of bills.

For the purpose of availing this exemption, billing address should be taken as “The Chairperson, CSEZ Administrative Building, and Kakkanad -682037.” Invoice maybe raised after completion of each part of the BOQ, as per directions from Engineer-In-Charge.

## 2.4 Obligations of WAPCOS/CSEZA

WAPCOS/CSEZA shall -

- Facilitate entry pass

## 2.5 Defect Liability Period

The Contractor is expected to rectify any defects found in the Works due to defective construction practice or poor quality of work and/or material. The Defect Liability Period for the work is 1 year.

Notwithstanding anything mentioned with respect to the period of limitation of defect liability here in this contract, the contractor shall be liable to compensate the Client for any damages sustained either to the Project or to the Client/any third party (by virtue of the Project) attributable either to the defects/fault in the design of the Project or to the defects in materials/workmanship which could have been detected during the period of the Project. If such above rectification is not done by the contractor, the Client shall have the right to rectify the defect during the defect liability period and recover the expenses/cost incurred in such instance, along with compensation, if any from the contractor.

## 2.6 Time period

- Time period for completion of whole work is 2 month.

## 3.0 INSTRUCTIONS TO BIDDERS

The bid will be sealed in an envelope which will bear the address of WAPCOS, NIT No., Agency name and the name and address of the applicant. The cover shall be named as following:

**“NIT-For Replacement of the manually operated 250 A change over switch, 250 A incomer with starter panel, providing FCMA Soft starter and 25 kVAr APFC (Automatic power factor controller) panel at Edachira pump house, CSEZ, Kakkanad,”** and addressed to:

**WAPCOS Limited, Cochin Special Economic Zone Project Office, Kakkanad - 682 037**

The tender should contain the following documents.

- **Signed NIT – signed on all pages by the authorised person**
- **Financial proposal in the Format at Annexure–A**
- **Details of similar works executed (work orders and completion certificate)**

- **GST Certificate: Bidders should enclose certificate of registration under GST, if applicable**
- **The bidder should be an Indian Registered Company under Companies Act 1956/ Proprietorship Company/ Partnership Company/ Limited company private or public or corporation. Joint Ventures are not accepted. Copy of Certificate of Incorporation/ Registration/ Partnership Deed or any other relevant document, as applicable, should be submitted along with a copy of address proof.**
- **Copy of PAN Number.**
- **Tender FEE and EMD**
- **Bidder should have a valid Electrical Contract license with a capacity not less than B-Class 150 kW or the bidder should submit a MOU from an Electrical contractor who have a valid contract license with a capacity not less than B-Class 150 kW.**
- **After awarding the work Bidder has to submit all panel drawings along with corresponding BOQ and obtain prior approval from WAPCOS LTD.**
- **Bidder has to obtain prior approval from WAPCOS LTD in case of using any or equivalent items.**

If the envelope is not sealed and marked as instructed above, WAPCOS assumes no responsibility for the misplacement or premature opening of the contents of the proposal submitted. If WAPCOS found that the bidder is not competent and experienced to carry out the work, bid shall be summarily rejected without assigning any reason thereof.

**For and on behalf of WAPCOS LIMITED**  
**(Sd/-)**  
**WAPCOS Limited**



**ANNEXURE-A****FINANCIAL PROPOSAL****SUMMARY OF BOQ**

<b>Name of Work:</b> Replacement of the manually operated 250 A change over switch, 250 A incomer with starter panel, providing FCMA Soft starter and 25 kVAr APFC (Automatic power factor controller) panel at Edachira pump house, CSEZ, Kakkanad		
<b>ABSTRACT OF BILL OF QUANTITIES</b>		
<b>Sl. No.</b>	<b>Description</b>	<b>Amount in INR</b>
1	Replacement of the manually operated 250 A change over switch, 250 A incomer with starter panel, providing FCMA Soft starter and 25 kVAr APFC (Automatic power factor controller) panel at Edachira pump house, CSEZ, Kakkanad	
	<b>GRAND TOTAL</b>	

## Bill of Quantities

Item No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1.0	<p>Supply, installation, testing &amp; commissioning of cubical type ATS Panel, made out of 1.6 mm thick CRCA sheet, totally enclosed, IP 42, free standing, Wall mounting, dust and vermin proof, suitable for operation on 3 phase, 415 V, 50 Hz, AC supply with provision for fixing incoming &amp; outgoing switch fabricated using 1.6 mm CRCA sheet powder coated, including internal wiring with suitable size wires/cable, inter connection, the panel shall be fabricated from a reputed manufacturer including following switchgears, metering instruments and accessories for the LT panel and as per drawing and specifications. Dismantling of existing 2 Nos. starter panel and incomer switch panel re termination of cables, re glanding, buy back existing panel are also include in the scope. Painting / Lettering on switches and control panels, the location they serve, providing on each panels its circuit diagram, panel shall have common copper earth bar of suitable size in cable alleys with 2 Nos. earth stud, cable alleys, removable gland plates, including providing following switch gears and as required.</p> <p>Switch Gear Make : Schneider / L&amp;T/ BCH/Siemens or Equivalent  ATS Make : L&amp;T / Socomec/ or Equivalent  AMF relay make : C&amp;S / or Equivalent</p>				
	Incomer				
	250A,FP,36 kA, microprocessor based MCCB with adjustable OL,SC&E/F release, ELR and CBCT protection for EB incomer -1No. and 250A,FP,36 kA, microprocessor based MCCB with adjustable OL,SC&E/F release for DG incomer- 1 No.				
	250 A TPN ATS-1 Nos				
	AMF Relay- 1 No.				
	Bus bar				
	300 A TPN bus bar of high conductivity electrolytic quality aluminum alloy-1 set				
	Instruments				
	4A,c curve SP MCB-6 Nos				

Item No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	Multi-function meter with suitable for energy, current, voltage and PF measurement -2 Nos (EB&DG side)				
	LED type RYB phase indicating lamps with 2 Amp back up HRC fuse / MCB - -2 sets				
	All motor feeders MCCB's shall be of motor duty				
	<b>Outgoing:</b>				
	2 Nos. 125A TPN MCCB (36KA) lcs = 100% lcu				
	4 Nos. 63A TPN MCCB (36KA) lcs = 100% lcu				
	Two (2) Nos. Star delta starter for 25 HP motor with Power contactors rating should be minimum 40A , motor protection device to protect single phase prevention, short circuit, Over/under voltage, over/under current, Over/under frequency, Phase loss, lock rotor, phase sequence, Voltage Unbalancing, current unbalancing, ON/OFF / Trip indication lamps and push buttons, provision for remote / local operations,	<b>Each</b>	<b>1</b>		
<b>3.0</b>	Supplying, installation, testing & commissioning of cubical type LT panel suitable for 415V, 3 phase, 4 Wire 50 Hz AC supply system, fabricated in compartmentalized design from 1.6 mm CRCA sheet powder coated, including internal wiring with suitable size wires/cable, inter connection with powder coating in approved shade, having suitable capacity TPN Copper bus bars, base frame of MS channel 75mm x 40 mm size, panel shall have common copper earth bar of suitable size in cable alleys with 2 Nos. earth stud, cable alleys, removable gland plates, including providing following switch gears and as required:  Switch Gear Make : Schneider / L&T/ BCH/Siemens or Equivalent				
	Painting / Lettering on switches and control panels, the location they serve, providing on each panels its circuit diagram				
	All motor feeders MCCB's shall be of motor duty				

Item No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	<b>Panel - B</b>				
	<b>Incoming (1 No.)</b>				
	1 Nos 125A TP+N MCCB (36KA) lcs = 100% lcu				
	3 Nos. phase indication LED lamps with 2 Amp back up HRC fuse / MCB - 1set.				
	Multi-function Energy meter with suitable CTs ETC.				
	FCMA soft starter for 50 HP motor with motor protection device to protect single phase prevention, short circuit, Over/under voltage, over/under current, Over/under frequency, unbalancing, Phase loss, lock rotor point, phase sequence, Neutral loss, current unbalancing, ON/OFF / Trip indication lamps and provision for for remote / local operations,	<b>Each</b>	<b>2</b>		
4	Supply and erection of following capacity APFC Panel having following stages each consists of the following nos. 440V 3 phase, ISI marked APP power capacitor including suitable MCB protections (for all stages) and capacitor duty contactor (for all stages except direct connected capacitor) along with connections and control wiring for stage wise APFC , testing, commissioning etc as required ( Power Capacitor & Controller Make :Shreem / ABB/ Trinity/ L&T or equivalent )				
	a) Stage 1 &2 :- 2 KVAR APP type Power Capacitor - 2 set				
	b) Stage 3 &4 :- 3 KVAR APP type Power Capacitor - 2 set				
	c) Stage 4 :- 5 KVAR APP type Power Capacitor - 1 set				
	d) Stage 5:- 10 KVAR APP type Power Capacitor - 1 set				
	25 KVAR APFC Panel complete as above	Each	1		
5	Supplying of XLPE insulated, PVC sheathed armored aluminum conductor power cable of 1.1 KV grade conforming to IS: 7098 ( Part-1) with latest amendments of following size as required.  Make : Polycab/ Gloster / KEI/ RR/ or equivalent				

Item No.	Description of Items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
	3.5 x 35 Sq.mm	Mtr	70		
6	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade. (clamped with 1mm thick saddle)				
	3.5x 35 Sq.mm	Mtr	70		
7	Supplying and making end termination with brass compression gland and aluminum lugs for the following size of PVC insulated and PVC sheathed /XLPE copper conductor cable of 1.1 KV grade as required.				
	3.5x 35 Sq.mm	Each	10		
8	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Mtr	40		
9	Re arrangement the all door in working condition of DG acoustic, properly closing with locking facilities and Painting with two coats of approved make Epoxy paint to give an even surfaces. The panel should be cleaned and the surface smoothened with energy paper of suitable grade. Where ever rusted portion of the panel should be replace with new MS sheet. Clean and smoothened the surface of aquatic with emery paper and painting with two coats of primer. The rate include supply of all coats of primer, materials, labour, transportation and arranging the required painting gadgets. Supply and fixing of ELR with NCT protection in existing MCCB of control panel of DG set	LS			
10	Wiring for control wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Mtr	20		
11	Scheme preparation and approval from Electrical Inspectorate	LS			

<b>Item No.</b>	<b>Description of Items</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate (Rs.)</b>	<b>Amount (Rs.)</b>
	<b>Grand total</b>				

**Time period**

- Time period for completion of whole work is 2 month.

**Note:-**

- The CSEZ Developers/units have been exempted from Payment of Customs Duty for goods or services imported into SEZ for its authorised operations in terms of Section 26 of SEZ Act, 2005. As per 16(1) of Chapter VII of IGST Act, all supplies of goods or services or both to SEZ Developer and Units are zero rated.
- The payment will be done based upon the actual quantity of work done at site, certified by Engineer-In-Charge, within the quantity mentioned in BOQ.
- Invoice maybe raised after completion of each part of the BOQ, as per directions from Engineer-In-Charge.

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**Signature of the bidder's authorised representative:**

**Name and designation:**

**Contact address:**