



CEMENT CORPORATION OF INDIA LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE)

RAJBAN CEMENT FACTORY (ISO 9001:2015 Certified Company)

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NIT No.: RCF/MM/308(24)

Dated: 10.02.2025

NOTICE INVITING E-TENDER (NIT)

(Only through e-procurement)

Online electronic bids through Electronic Tendering System (ETS) are inviting e-tender in Two Bid System for Tender for the procurement of **Rolling contact servo stabilizer**. The complete set of tender document is available on websites: www.ccilttd.in, www.eprocure.gov.in.

E-TENDER NO.	RCF/MM/308(24)/
MODE OF TENDER	e-Procurement System (Online Part A - Techno-Commercial Bid and Part B - Price Bid) through www.eprocure.gov.in
Date of NIT available to parties to download	10.02.2025 at 16.45hrs
01 Earnest Money Deposit	Nil
02 Tender Fees	Nil
03 Transaction Fee	Nil
Date of Starting of e-Tender for submission of on line Techno-Commercial Bid and Price Bid at www.eprocure.gov.in	From 10.02.2025 at 16.45hrs Till 24.02.2025 at 14:30hrs
Date & time of opening of Part-A (i.e. Techno-Commercial Bid)	25.02.2025 at 15:00 hrs
Part-B Price Bid: Date of opening of Part-B	To be communicated separately
Closing date of tender	24.02. 2025 at 14:30 hrs
Validity of bids	90 days from the date of the techno- commercial bid opening.

Offer is invited for the following as per details given below:

S. No.	Description of the items (Rolling contact servo stabilizer)	Unit	Quantity Required
1	Three Phase Energy meter, Connection-HT(33Kv) CT/VT-operated-3 phase 4 wire 110V(P-P), 63.5V(P.N), RS485 Communication Current range= -/5(10)A, C.T Ratio=200/5Amp Accuracy class= 0.25 with enclosure including charges for Installation, Com & Completely tested by HPSEBL-M&T division solar (Party shall submit testing repair 4I2C repair)	No's	01

Note:

1. The tenders who fulfill the terms & conditions mentioned in the tender documents shall be considered.
2. The price- bid should be only as per CCI's price - bid format otherwise the tender is liable for rejection.
3. The tenderers are advised to offer their lowest rates taking into account the prevailing market conditions. There would generally be no negotiations hence please submit your most competitive prices while submitting the price bid. However, if the rate is still considered High, action as per prevailing instruction/guideline shall be taken.

HOD (MM)

Tender No.

SPECIAL TERMS& CONDITIONS

Tender for Design, Manufacture, Testing, Supply, Erection and commissioning of 3phase 400KVA(BalanceType) Booster transformer/ servo stabilizer with input voltage range 360 V-480 Volts, 3 Ph, 50 Hz & Output 440 VAC , 3Phase ,50Hz and other required accessories for EOT crane Application comply with I.S -9815at Rajban Cement Factory (H.P). The detailed specifications are given in Annexure -VI.

In addition to the General Terms and Conditions of tender under PART – I & II, the following terms and conditions will also apply to the contract. These special terms and conditions, if contradictory to any conditions given in PART – I & II, will prevail upon the conditions given therein. In addition to the above, the following will also apply.

1. ELIGIBILITY CONDITIONS/CRITERIA:-

1.0 Eligibility Criteria:-

Bidders should have supplied booster transformer of 100 KVA and above in last five years. Order copies or completion certificates to be submitted in this regard.

The bidder have already successfully executed the above similar works in any State Electricity Board/any Public Sector Unit/Central Govt. /State Govt./Semi Govt. having with evidence of work order directly placed on them

2. PAYMENT TERMS

2.1. No advance payment shall be made.

2.2. **70 %** of the ordered value including GST after the supply of the complete Booster transformer along with requisite accessories etc at site (The contractor shall raise bill of 70% of the ordered value after the supply of the complete system at site, as per the technical specification and terms and conditions specified in the contract).

2.3. **25 %** of the ordered value including GST after successful installation & commissioning (The contractor shall raise bill of 25 % of the ordered value after installation of the system) on submission of commissioning report etc.

2.4. Payment shall be released after deduction of applicable taxes within 30 days after acceptance of material at site.

2.5 Security Deposit as Performance Guarantee @ 5 % of value of work order including all taxes shall be deposited by successful tenderer or successful tenderer can submit Bank Guarantee of equal amount. S.D amount will be released after successful completion of performance guarantee period of one year from the date of supply.

Successful tenderer/ bidder should submit performance guarantee on or before 15 days from the date of issue of order acknowledgement.

2.6 Earnest Money: . NIL

2.7 Validity of Offer: 120 days from the date of opening.

3. MODE OF PAYMENT: Payment to the tenderer through e-payment only and the payment shall be released by RTGS / NEFT.

4.0. Documents to be submitted with Technical Bid:-

4.1. Tenderer has to submit technical data sheet, G.A drawing.

4.2. Tenderer has to submit copy of work order as specified in clause 1, of eligibility criteria & its sub clauses.

4.3 Party shall furnish a copy of technical literature for the model booster transformer /servo stabilizer, which is being offered.

5.0 Scope of work for Supply:

The supplier is required to carry out the supply, of the subject items at the CCI Rajban Himachal Pradesh installation site within the delivery period; otherwise the penalty clause will be the same as per the supply of material (refer to the liquidated damages clause in part-II general terms & conditions).

6.0 DELIVERY: Delivery as per scope of supply is within 4weeks. The delivery period shall be reckoned from the date of receipt of technically and commercially clear order whichever is later.

7.0 PRICES: The rates should be quoted in our prescribed Price bid Performa only. Other conditions shall be same as per the clause 16 to 17 of Part-II of documents. Price quoted other than INR will be rejected outright.

8.0 The tenderers are advised to offer their lowest rates taking into account the prevailing market conditions. There would generally be no negotiations hence please submit your most competitive prices while submitting the price bid. However, if the rate is still considered High, action as per prevailing instruction/guideline shall be taken.

9. Dispute and Jurisdiction:

Any legal disputes arising out of any breach of contract pertaining to the whole process of this tendershall be settled in the court of competent jurisdiction in the district of CCI RAJBAN Himachal Pradesh

I/We will not withdraw or modify the bid submitted by me/us during the period of validity or if awarded the contract and fail to sign the contract or to submit a performance security before the deadline defined in the tender document.

Yours sincerely

(Authorised signature & seal of the bidder)

Date:

Address:

ANNEXURE-VI

Tender No.

Technical specification of the equipment to be supplied (3phase 100KVA (Balance Type) Booster transformer/ servo stabilizer with input voltage range 360 V-480 Volts, 3 Ph, 50 Hz & Output 415 VAC , 3Phase ,50Hz and other required accessories for Packer MCC Application comply with I.S -9815.

SCOPE of this specification covers the general design and requirement of servo controlled voltage stabilisers for efficient and trouble free operation.

STANDARDS

The equipment covered by this specification shall unless otherwise stated be designed constructed and tested in accordance with the latest revision of relevant standards (IS 9815)

DESCRIPTION

Supply, installation, testing and commissioning of 100 KVA free standing floor mounting In door type, servo controlled voltage stabiliser (SCVS) naturally oil cooled, (**including first filling of oil make APAR only**) suitable for voltage range of input phase voltage (360-480 volts & the output phase voltage should be maintained at 415Volt $\pm 1\%$, with a speed of correction not less than 7-8V/sec. phase to phase voltage. The SCVS shall have an output voltage setting of 440 volts and shall be supplied with Digital voltmeter & Ammeter with selector switch to read input/output voltages & Currents, Auto/manual control selector switch, sensitivity control LED indication lamps within fuses & controls, and protection against OVER/UNDER voltages, OVERLOAD, Single phasing & protection for sensing elements with two output through MCCB of 250Amps. SCVS shall have all accessories like cable end boxes, earthing terminals oil gauge silica gel breather, earthing terminal and complete as required. The SCVS shall conform to IS 9815 (with latest amendments)

Note **Voltage Regulator:- Columnar design voltage regulator with carbon roller (Motorized).**

Series Transformer :- 1 nos. balanced series transformers will be used

CONTROL AND INDICATION

The following alarm and annunciation shall be provided Alarm

- 1 Low / High Voltage (out of input range)
- 2 Single Phase Prevention Alarm
- 3 High Temperature Alarm

Indication :- LED Indications for Input Voltage 'High' / 'Low'

DEGREE OF PROTECTION :-The degree of protection for the enclosure shall be IP55 as it is an outdoor installation.

COOLING METHOD :-Cooling method shall be Natural / Oil cooled

TESTS :-All routine tests as per standards shall be conducted, for proper functioning of the equipment in the presence of Departmental representatives.

DRAWINGS & DOCUMENTS

The following drawings and documents shall be furnished.

- a. General arrangement drawing showing

- i. Overall dimensions
- ii. Total Weight
- iii. Section View
- iv. Bill of material
- b. Manufacturing schedule & Test schedule
- c. SLD for Main AC circuits, control circuits and connections
- d. Protocol of functional tests and measurements.

TECHNICAL SPECIFICATION/ DATA:

Sr.no	Technical Parameters	Requirements
1.	Name of Manufacturer	
2.	Product	Rolling Contact Servo Stabilizer
3.	Application	Indoor Type
4.	Type	Oil Immersed Type (Balanced Type)
5.	Rating	100 KVA, Copper Wound
a.	Primary Winding	100 KVA, Copper Wound
b.	Secondary Winding	100 KVA, Copper Wound
6.	Rated Voltage	
a.	Input Range	360 - 480 V
b.	Output Voltage	415+/-1% (Phase to Phase)
7.	Rated Current	
a.	At 360 V (Input Voltage)	To be quoted by tenderer
b.	At 480 V (Input Voltage)	To be quoted by tenderer
c.	At 415 V (Output Voltage)	To be quoted by tenderer
8.	Rated Frequency	50 Hz (+/-5%)
9.	Waveform Distortion	Nil (Negligible)
10.	Response time	<10 millisecond
11.	Speed of Correction	>18 V/Sec
12.	Number of Phases	Three
13.	Connections	In Series
14.	Mode of Operation	a. Auto Mode
		b. Manual Mode
		c. With help of "T" Handle if motor fails
15.	Temperature Rise	
a.	Ambient Temperature	0-45°C
b.	Top Oil	50°C
c.	Winding	55°C
16.	Loading Capacity	100%
17.	Overload Capacity	50% overload for 30 second and 75% of 10 second (as per technical specification)

18.	Total Losses at rated voltage at Principal tapping and rated Frequency	To be quoted by tenderer
19.	Correction method	Step-less correction using linear Variable Auto Regulators
20.	Control Technology	Linear rolling contact type Regulator Fully Automatic
21.	Suitability	Balanced supply & Unbalanced load Suitable for all power factors
22.	Display	True RMS Digital/LCD Voltmeter, ammeter system scanning with microprocessor along with push controls for increase & decrease / Auto manual etc.
Sr. no	Technical Parameters	Requirements
23.	Duty Cycle	24 hrs continuous on 100% load (Natural Cooling)
24.	Class of insulation	Class A for oil cooled (as per IS standard)
25.	Laminations Used	Imported Low Losses CRGO Lamination – M4 Grade / M5 Grade (0.27 mm to 0.33 mm thickness)
26.	Copper Used	Hindalco copper (99.97% purity)
27.	Carbon Roller Used	Imported High Grade Graphite Rollers
28.	Oil Used	Transformer oil – A Grade Tested & Certified as per IS 335
29.	Voltage Regulator	Columnar design voltage regulator with carbon roller (Motorized)
30.	Series Transformer	1 nos. balanced series transformers will be used
31.	High Voltage test	
a.	Only Transformers	2 kV
b.	Complete System	1.5 kV
32.	Fault Level	25kA/1sec
33.	Alarm & Trip signal details	YES
34.	Efficiency at 75°C at unity power factor (%)	More than 98.5%
35.	Output accuracy	Plus/Minus 1%
36.	Terminal Arrangement	Aluminum bus bar
37.	Expected Working life	More than 15 years
38.	Motor Drive	Heavy duty AC Synchronous motor
39.	Servo transformer	Confirm to latest version of IS : 9815 standard
40.	Performance	Free from hunting during operations

41.	Protection	Over current, short circuit and earth fault OVER/UNDER voltages, OVERLOAD, Single phasing & protection for sensing elements with two output through MCCB
42.	Approx. Masses	To be quoted by tenderer
43.	Approx. overall dimensions (Tolerance+/-10%)	
a.	Length	To be quoted by tenderer
b.	Breadth	To be quoted by tenderer
c.	Height	To be quoted by tenderer
d.	Un-tanking Height	To be quoted by tenderer
44.	Reference	IS 2026 & IS 9815

Acknowledgement by the Bidder:

It is hereby acknowledged that we have gone through all the schedules as well as the conditions mentioned above and we agree to abide by these.

Signature of the Bidder along with official seal.

Place:

PRICE - BID

Tender No.

Sr. No	Description of the item	Qty.	Basic Rate	GST %	GST Amount	Grand Total
01	Design, Manufacture, Testing, Supply of 3 phase 100 KVA (Balance Type) Booster transformer/ servo stabilizer with input voltage range 360 V-480 Volts,3 Ph, 50 Hz & Output 415 VAC , and other required accessories comply with I.S -9815.as per technical details attached in our tender documents. (including Freight by Road FOR Rajban) as per technical data sheet	01 No.				

Note:

- No payment will be made other than the above elements.
- All the taxes statutory benefits shall be as per various acts/related provisions.
- The L-1 shall be decided considering landed cost

Signature of Tenderer

Name & address with seal & Date