

Government of Kerala
Department of Electrical Inspectorate
Office of the Chief Electrical Inspector
Housing Board Buildings, Shanthi Nagar
Thiruvananthapuram 695 001
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An IS 15700 : 2005 Certified Department

No. G1-23016/2011/CEI

Thiruvananthapuram,
Date:23 / 01 / 2012

Window No. :
Short Tender No.07/ 2011 – 2012 / CEI

Chief Electrical Inspector,
Office of the Chief Electrical Inspector
Housing Board Buildings,
Santhi Nagar,
Thiruvananthapuram – 695 001.

Phone No. 0471 – 2331159

Sl. No.	Name of Equipment	Quantity requirements
1	Decade resistance box (5 kV)	1 No.
	Cost of Tender Form (Original)	Rs.600 + 24
	Cost of Tender Form (Duplicate)	Rs.300 + 12
	Last date and time of sale of tender form	22-02-2012 12 noon
	Last date and time of receipt of sealed tenders	22-02-2012 3 p.m.
	Date of opening of Tender	22-02-2012 3.30 p.m
	E.M.D.	Rs.3000

Chief Electrical Inspector.

Tender Form (Original) and Tender Form (Duplicate) can be purchased from the office of the Chief Electrical Inspector to Government of Kerala, Housing Board Buildings, Santhi Nagar, Thiruvananthapuram- 695 001.

** Down loaded tender forms are not accepted*

** Cost of tender forms (Original and Duplicate) is accepted only in Cash*

For further details visit **www.cei.kerala.gov.in**

Tender No. 07/ 2011 – 2012 / CEI

Decade Resistance Box (5 kV)

1	For the supply of	Decade Resistance Box (5 kV)
2	Quantity	1 No.
3	Closing date for sale of Tenders	22-02-2012 - 12 noon
4	Due date & time for receipt of tenders	22-02-2012 - 3 p.m.
5	Due date & time for opening of tenders	22-02-2012 - 3.30 p.m
6	Earnest Money Deposit	Rs.3000
7	Tender outer cover should be addressed to	The Chief Electrical Inspector Department of Electrical Inspectorate, Housing Board Building, Shanti Nagar, Thiruvananthapuram
8	Method of submission of Tender	Open Tender
9	Required number of tender copies	In duplicate
10	Place at which tenders will be opened	Chamber of the Chief Electrical Inspector to Government of Kerala Housing board Building, Shanthi Nagar, Thiruvananthapuram
11	Cost of Tender form (Original)	Rs.600+Rs.24
12	Cost of tender form (duplicate)	Rs.300 +12

NOTE:

Tender documents should be duly signed and stamped on each and every page and all Schedules duly filled in will be submitted by the tenderer along with his offer. Otherwise the offer will be liable for rejection.

**Tender No. 07/ 2011 – 2012 / CEI
Section – I**

Earnest Money Deposit

- 1) Tenderer should pay the specified amount towards Earnest Money Deposit as follows:

Earnest Money Deposit	Rs 3000
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- 2) The Earnest Money Deposit specified above should be in the form of a DEMAND DRAFT/ BANKER CHEQUE payable at Thiruvananthapuram for the above amount from any of the Nationalised / Scheduled/ Foreign Banks with branches in India payable to the **Chief Electrical Inspector to Government of Kerala.**
- 3) The EMD will not carry any interest.
- 4) The Earnest Money Deposit will be refunded to the unsuccessful tenderers.
- 5) CHEQUE will not be accepted towards EMD and the tenders shall be rejected if EMD is not paid in the prescribed manner.
- 6) Agreement in Rs.100.00 Kerala Stamp paper as per the Format given in the standard terms & conditions must be enclosed along with the Earnest Money Deposit.

Tender No.07 / 2011 – 2012 / CEI

Section II

Bid Qualification Requirements (BQR)

The Bidders shall become eligible to bid on satisfying the following Bid Qualification Requirements and on production of the required documentary evidence along with tender.

- The bid shall be submitted by the manufacturer having manufacturing facility / or their branch office in India either directly or through their authorised dealers.
- The bidder should be in a position to assume, on a single point responsibility basis, the full obligation and responsibility for supplying the materials within the specified time schedule.
- The manufacturer must have ISO certification and have at least 10 years of experience in design and manufacturing of the offered equipments.
- Tenderers shall submit particulars of similar equipments supplied by them to some of the important customers in India or Abroad especially in tropical regions. Preference will be given to the manufacturer having his own organization or accredited representatives of long standing possessing suitable technical and installation experience.
- The bidder should not have been Black Listed (De-barred from quoting further tenders) on the ground of poor performance/ poor supply records from any Indian utility/ test house.
- The offered Equipment shall conform to safety requirement .
- The manufacturer must have their own service/ testing centre capable of repairing major components of the offered equipments in India.

Tender No. 07 / 2011 / 2012 / CEI
Section III
Specification for Decade Resistance Box (5 kV)

Working Voltage	5kV DC
Power Consumption	1.5 W
Resistance Ranges	0.1 MΩ, to 1 TΩ in 7 decade ranges
Stability	0.5 %
Accuracy	+/- 2% until 1 Giga ohm +/- 5% from 1 Giga Ohm to 1000 Gig ohm range

Decade	Resistance per step	Total Resistance on decade dial	Impressed Voltage
First	0.1 Meg.	1.0 Meg.	1000 Volts DC
Second	1.0 Meg.	10.0 Meg.	1000 Volts DC
Third	10.0 Meg.	100.0 Meg.	5000 Volts DC
Fourth	100.0 Meg.	1000.0 Meg.	5000 Volts DC
Fifth	1.0 Giga	10.0 Giga	5000 Volts DC
Sixth	10.0 Giga	100.0 Giga	5000 Volts DC
Seventh	100.0 Giga	1000.0 Giga	5000 Volts DC

Total Available Resistance : 1111.111 Giga Ohm

MEASUREMENT RANGE

Decade Dial	Resistance/Step	Total Resistance	Impressed Voltage ⁴
First	0.1 Mega ohm	1.0 Mega ohm	10000 Volt DC
Second	1.0 Mega ohm	10.0 Mega ohm	1000 Volt DC
Third	10.0 Mega ohm	100.0 Mega ohm	5000 Volt DC
Fourth	100.0 Mega ohm	1000.0 Mega ohm	5000 Volt DC
Fifth	1.0 giga ohm	10.0 Giga ohm	5000 Volt DC
Sixth	10.0 Giga ohm	100.0 Giga ohm	5000 Volt DC
Seventh	100.0 Giga ohm	1000.0 Giga ohm	5000 Volt DC

Total Available Resistance : 1111.111 Giga ohm

TECHNICAL SPECIFICATION

Type	Portable
Function	Resistance calibration standard
Resistance range	0.1 Meg ohm to 1111.111 Giga ohm (in seven decade dials)
Accuracy	2% upto 1.0 Giga ohm 5% from 1.0 Giga ohm to 10000 Giga ohm range
Power rating (at 70C)	2 watt
Rated Maximum Voltage	<u>1000V from 0.1 to 10.0 Mega ohm dial</u> 5000V for 10.0 Meg ohm dial and above overall rated max. voltage 5000 Volts, DC

