



Energy Management Centre

(State Designated Agency to enforce Energy Conservation Act 2001)

Department of Power, Government of Kerala

Sreekrishna Nagar, Sreekariyam P.O.

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NOTICE INVITING QUOTATIONS

File No: EMC/148/2021-ETB-4(ESS)

Date: 16/03/2021

Sub: - Inviting quotation for installation of 2 nos of earth pits in LED Testing Lab-reg

Competitive quotations are invited from qualified service providers for supply and installation of 2 nos of earth pits, earth strip, earth pit covers at Energy Management Centre Kerala.

Details of the Work:

Installation of 2nos of earth pit as per IS standard, work includes all civil works Back fill materials like charcoal and salt of required quantity has to be put in the pit. Providing necessary frame around the pit and providing pit cover. The earth resistance should be less than 1 ohm and the earth to neutral voltage should be less than 1 volt.

Specification

- Shall meet IS 3043 : 1987 or latest
- Required resistance : less than 1 ohm
- Earth to neutral voltage : less than 1 V
- Earth pit shall contain 2x2ft 3mm thickness copper plate (Fully Copper) at a depth of 2.5meter.
- 1.5" B grade GI pipe of length 3 meter at the centre of the plates and also provides 25x5mm copper strips at the side. This pipe and strip are interconnected at the top
- 25*5mm copper strip/6 swg wire (**total 28 meter for 2 pits**) for connecting the pit and the Labs wiring.
- The copper plate and pipe are fully covered with earth enhancement material like charcoal and salt.
- On the top provides a chamber, made of cement bricks at the sides and openable cast iron plate at the top.

Last date of receipt of quotation is 2.00 pm on 23/03/2021.

The envelope containing the quotation should bear the superscription "**Bid for construction of earth pits in LED Testing LAB- EMC**" and should be addressed to **Director, Energy Management Centre- Kerala, Sreekrishna Nagar, Sreekaryam, Thiruvananthapuram-17**

DIRECTOR