



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

No. EMC/153/2021-ETB-4(ESS)

Date: 16/03/2021

Sub: - Inviting quotation for installation of earth pit in LED Testing Equipment in Lab- EMC - reg

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

Details of the Work:

Installation of new 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

- Required resistance : less than 1 ohm
- Shall meet IS 3043 : 1987 or latest
- 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 plate 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 (36 meter) for connecting the pit and the equipment.
- 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.

The last date of receiving quotation is 2.00 pm on 23.03.2021

The envelope containing the quotation should bear the superscription "Bid for construction of earth pit" and should be addressed to **Director, Energy management centre, Sreekrishna Nagar, Sreekaryam, Thiruvananthapuram-17.**

DIRECTOR