

# INTER - TECH

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New Delhi - 110 020

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## Earth Resistance Measurement Report

Report No: **IT/169** Date: **22/12/2014**

Name & address of the Customer : GE (N), Delhi Cantt. MES, Delhi Cantt - 10 Tel :

Purchase Order ref : N/A

Name of the contact person/s : Lt. Col. Arun Sekhar Dept: GE (N), Delhi Cantt MES Tel:

Sh. Joseph Babu Dept: JE E/M Tel: 9868082308

Electrode/s Installation undertaken by : Inter -Tech, New Delhi Installation Completed on : 04/07/2014

Soil Resistivity Measurements of location, if available  $\Omega$ -m : Not Available Soil Found: Generally Normal

Specifications of the Earth Electrode/s :	Marconite Conductive Concrete Earth Electrodes with MS Conductor Dia 16 mm				
	Type of Electrode/s	Sr. Nos.	Length	Dia	Qty.
	Standard Size	1 - 6	3000 mm	100 mm	6 nos.

Use/s of Electrode/s : Connected to Lightning Arrestor of buildings of Central Ordinance Depot at Delhi Cantt., New Delhi.  
Building no: P240/2014 - 2 nos. and P241/2014 - 4 nos.

Measurement Carried out by : Sh. K K Gupta, Inter-Tech Date : 20/12/2014

Method of Measurement : Fall of Potential Method Standard Applicable : CI 36 of IS 3043

Testing Instrument Used : Digital Earth Tester Make: MEGGER Model : DET4TD2

Sr. no of Testing Instrument : 101139510 Calibration ref: No. 1000/347/10713/9510 valid up to 01/06/2015. Copy of certificate attached.

Earth Resistance Measurement Results :	Electrode no	Value Measured $\Omega$	*Maximum Acceptable Value - $\Omega$	Electrode no	Value Measured $\Omega$	*Maximum Acceptable Value - $\Omega$
		Building no: P 240/2014			Building no: P 241/2014	
	1	4.29 $\Omega$	< 10 $\Omega$	1	1.96 $\Omega$	< 10 $\Omega$
	2	3.41 $\Omega$	< 10 $\Omega$	2	1.93 $\Omega$	< 10 $\Omega$
				3	2.15 $\Omega$	< 10 $\Omega$
				4	1.94 $\Omega$	< 10 $\Omega$

\* Copy of PFC document is attached for reference.

Measurements witnessed by the officials from:

Measurements Carried out by :

Ordering Organisation

User Organisation



(K K Gupta)  
Inter-Tech  
New Delhi



(Joseph Babu)  
JE E/M  
GE (N) MES, Delhi Cantt



(Lt. Col Ram Kishan)  
Quarter Master  
COD, Delhi Cantt.

Copy to: 1) QM, COD, Delhi Cantt. 2) GE (N), AGE and JE MES Delhi Cantt

