

# INTER-TECH

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## Earth Resistance Measurement Report

Report no: IT/166

Date: 09/09/2014

Date of Installation : 14/08/2014

Specifications of Earth Electrodes : **Marconite Conductive Concrete Earth Electrodes Grid:-**  
Size L 7500 mm X D 80 mm with 16 mm MS conductor. All the five electrodes were inter-connected with 16 mm MS round conductor and embedded in Marconite conductive concrete and laid at 500 mm below the surface level to make earthing grid.

Soil : **Sandy Soil**

Organization : **HQ 5 Signal Group, New Delhi Pin 917905**

Use : **Connected to ACON Network of HQ 5 Signal Group at New Delhi.**

Test witnessed by : **The Commander, HQ 5 Signal Group and GSO - 1(SSC) B.**

IT Represented by : **Sh. K K Gupta**

Method of Measurement : **Fall of Potential method.** Standard: **IS 3043 Sec 36**

Instrument Used : **Digital Earth Tester** Make : **MEGGER** Calibration valid up to: **06/02/2015**

Model : **DET4TD2** Sr. No. : **101139510**

Result : **Earth Resistance Measurements are mentioned below: -**

No of Earth Electrodes	Earth Resistance Achieved $\Omega$	Expected Earth Resistance $\Omega$
Grid of 5 Earth Electrodes	0.68 $\Omega$	< 1 $\Omega$

Measurement carried by:



(K K Gupta)  
Inter - Tech  
New Delhi



Measurement witnessed by:

(Chiranji Lal)  
DGM ITI ASCON



Lt. Col Virender Singh  
GSO -1 (SSC)B  
HQ 5 Signal Group