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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 Ω	Expected Earth Resistance Ω
Grid of 5 Earth Electrodes	0.68 Ω	< 1 Ω

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