

4007/Gen/ 204 /EM-I

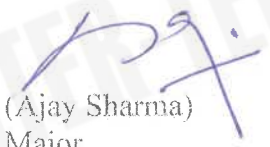
11 Feb 2013

M/S Inter Tech  
B-83 Flatted Factory Complex  
Near Modi Mills Okhla New Delhi -110020

**PERFORMANCE REPORT OF EARTHING INTER-TECH**

Dear Sir,

1. Reference your office letter No. IT/2272 dated 17 Jan 2013
2. The earthing with Marconite conductive concrete in 73 RMU Tech area AF Station Palam was done on 14 Dec 2012 as a sample presentation by the Firm M/S Inter-Tech with the following specification
  - (a) Earth enhancing conductive concrete Marconite
  - (b) Conductor – 16 mm copper rod.
  - (c) Casting size Dia 120 mm x length 30.50 Mtr.
3. The performance test of earth electrode were carried out jointly by the firm representation and the department and there was zero maintenance duint the period :
  - (a) First test on 14.12.2012 Result : 0.76 Ohms
  - (b) Second test on 22.01.2013 Result : 0.78 Ohms

  
(Ajay Sharma)  
Major  
Garrison Engineer

Copy to

HQ CWE (AF ) Palam : for info please  
Delhi Cantt-10

# INTER-TECH

B-83 Flatted Factory Complex,  
Near Modi Mills  
Okhla New Delhi - 110 020

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## Earth Resistance Measurement Report

Report no: IT/

Date: 22<sup>th</sup> Jan 2013

Date of Measurement : 22/01/2013

Specifications of Earth Electrode U/T: i) Conductor Material: Steel Rod ii) 16 mm Dia  
\*30.80 m depth  
Rod Embedding Material: Marconite-Conductive Concrete iv) 120 mm Dia  
\*30.50 depth

Organization : Air Force

Site Location : AF Technical Area Palam, Delhi Cantt. - 110010

Under Supervision : Sh. SK Pandey M F JE E/M - I, GE - N

IT Represented by : S. Manmohan Singh

Method of Measurement : EB Curd,s method  
[Remote Electrode placed at 305.00 m and voltage probe at 188.490 m  
from the Earth electrode under test]

Standards : Section 36.4 of IS 3043/1987

Instrument Used : Megger Earth Tester Make : MEGGER

Model : DET4TD2 Sr. No. : 1000347101139510

Calibration Validity : Upto 23/04/2013

Readings : Earth Resistance Measurements:- 0.78Ω

Measurement done by:

*Manmohan Singh*  
(Manmohan Singh)  
Inter - Tech

*SK Pandey*

(SK Pandey M F)  
Sub JE E/M  
Officiating AG E E/M - (Elect Supply)  
GE (A) Palam

Measurement witnessed by:

*BP Tripathi*  
(BP Tripathi)  
Representative of the User  
Tech Adjutant  
73 RMU Air Force