



# Deepak Engineering Works

Govt. Approved 'A Class' Electrical Contractor up to EHT, 132KV

1376, Sector-15, Faridabad-121007, Haryana

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Report no : NDMC/ RT / 01

Date : 25<sup>th</sup> Oct 2016

## Test Report – Earth Grid Resistance

Organization: : New Delhi Municipal Council, New Delhi

Department : M 33kV Division

Location : NDMC 33 kV ESS at Babu Dham, Chanakya Puri, New Delhi - 110021

Work Order no : 38/EE(M-33kV) 2016 – 17 dated 16/09/2016 for one Grid of Marconite conductive concrete earth electrodes for power transformer.

Grid Specifications : 40 mm Dia Cu bonded MS round x 3 m Length with 150 mm Dia Marconite Concrete embedding. Three pits are interconnected with Cu bonded MS flat of 50 mm X 6 mm with all around Marconite embedding to make a grid. Two contact points taken out for connection with bimetal 'L' clamp type test links.

Installation by : Deepak Engineering Works, Faridabad

Date of Installation : 30/09/2016

Date of Testing : 25/10/2016

Test Carried by : Mr. Bhanu Bansal

Test Witnessed by : AE (E) M 33kV and JE (E) M 33kV, Div M 33 kV, NDMC.

Testing Instrument Used : 'Megger' brand digital earth tester. Serial No: 1000346101232451

Calibration Validity : Up-to 10/04/2017. Calibration certificate attached.

Result : Expected - < 2.00 Ω  
: Achieved - **1.56 Ω**

(Harpreet Kaur)  
Testing Engineer

Deepak Engineering Works  
1376, Sec.-15, FARIDABAD

25-10-16  
V.K. Sanyal  
(JE, NDMC)

Test witnessed by

25-10-16  
(Sushil Kumar)



Asstt. Executive Engineer  
M-33 KV (E), N. D. M. C.  
Vidyut Bhawan, New Delhi