

Earth Resistance Measurement Report

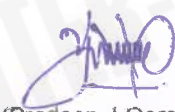
Report No: IT/231		Date: 22/09/2016											
Name & address of the Customer :		Maha Transco Co. Ltd., 100/22 kV Roha Substation, Plot no 5 Near Kirda Sankul, Dhatav MIDC area, Roha, Dist Raigarh - 402 116 Maharashtra											
Purchase Order ref :		Tel : +91 97692 13953											
6000036495 dtd. 06/05/2016		To be completed : - Days											
Name of the contact person/s :		Shri Pradeep J Gore, Dy EE											
Dept: O&M		Tel: 91 9930876937											
Electrode/s Installation undertaken by :		M/s Sai Electromech Pvt Ltd., Pune											
		Installation Completed on : 15 th June 16											
Soil Resistivity Measurements of location, if available Ω -m :		Not Available											
		Soil Found: Sandy soil with gravel and rocks											
Specifications of the Earth Electrode/s / Grid/s :		Marconite Conductive Concrete Earth Electrodes with 40 mm Dia Cu bonded MS rods and test links.											
		<table border="1"> <thead> <tr> <th>Type of Electrode/s</th> <th>Sr. Nos.</th> <th>Length</th> <th>Dia</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>1 - 6</td> <td>3000 mm</td> <td>180 mm</td> <td>6 nos.</td> </tr> </tbody> </table>		Type of Electrode/s	Sr. Nos.	Length	Dia	Qty.	Standard	1 - 6	3000 mm	180 mm	6 nos.
Type of Electrode/s	Sr. Nos.	Length	Dia	Qty.									
Standard	1 - 6	3000 mm	180 mm	6 nos.									
Use/s of Electrode/s :		Transformer no 1 - Two interconnected rods to Natural and One to body.											
		Transformer no 2 - Two interconnected rods to Natural and One to body.											
Measurement Carried out by :		Sh. K K Gupta											
		Date : 22/09/2016											
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: CPIPL/16-17/01 valid up to 19/09/2017											

Electrodes no	Value Measured - Ω	Remarks
1	1.34 Ω	
2	1.28 Ω	
3	1.34 Ω	
4	1.57 Ω	
5	1.72 Ω	
6	1.69 Ω	


(K K Gupta)
Inter-Tech,
New Delhi

Measurement witnessed

(Rishikesh Deshpande)


(Pradeep J Gore)
Dy. Executive Engineer
100/22KV Roha SAS, MCTCL