

Earth Resistance Measurement Report

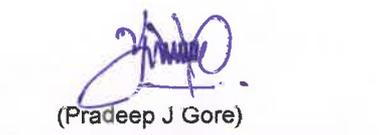
Report No: IT/231		Date: 22/09/2016	
Name & address of the Customer :		Maha Transco Co. Ltd., 100/22 kV Roha Substation, Plot no 5 Near Kirda Sankul, Dhatav MIDC area, Roha, Dist Raigarh - 402 116 Maharashtra	
Purchase Order ref : 6000036495 dtd. 06/05/2016		To be completed : - Days	
Name of the contact 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.	
		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	

Earth Resistance Measurement Results :	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, MSETCL