

## Earth Resistance Measurement Report

Report No: <b>IT/210</b>		Date: <b>23/06/2016</b>		
Name & address of the Customer :		M/s Bhushan Steel Ltd. Pilkhuwa 36 KM Delhi Hapur Road, NH 24 Pilkhuwa, Ghaziabad - 201010	Tel: 0120 3028000-99	
Purchase Order ref :	4600001780 dtd. 19/09/2015	To be completed :	Days	
Name of the contact person/s :	Shri Ramesh Mishra	Dept: Electrical	Tel: 91 8979891703	
Electrode/s Installation undertaken by :	Inter - Tech, New Delhi	Installation Completed on :	30 <sup>th</sup> Apr 16	
Soil Resistivity Measurements of location, if available $\Omega$ -m :		Not Available		
		Soil Found: Sandy soil		
Specifications of the Earth Electrode/s / Grid/s :	Marconite Conductive Concrete Earth Electrodes with 16 mm Dia Cu bonded MS rods.			
	Type of Electrode/s	Sr. Nos.	Length	Dia
	Standard	1 - 5,7 & 8	6000 mm	100 mm
		6 & 9	4500 mm	100 mm
				Qty.
				7 nos.
				2 nos.
Use/s of Electrode/s :	Connected to UPS, Control Panel, SAP & LA.			
Measurement Carried out by :	Sh. K K Gupta		Date : 22/06/2016	
Measurement witnessed by :	Sh. Ramesh Mishra			
Method of Measurement :	Fall of Potential Method		Standard Applicable : CI 36 of IS 3043	
Testing Instrument Used :	Digital Earth Tester	Make: MEGGER	Model : DET4TD2	
no of Testing Instrument :	101139510	Calibration ref:	No. 1000/347/10713/9510 valid up to 18/08/2016. Copy of certificate attached.	

Earth Resistance Measurement Results :	Electrodes no	Location	Value Measured - $\Omega$	Maximum Acceptable Value - $\Omega$
	1	Front side of the building	1.60 $\Omega$	< 2 $\Omega$
	2	-----do-----	1.35 $\Omega$	< 2 $\Omega$
	3	-----do-----	1.36 $\Omega$	< 2 $\Omega$
	4	-----do-----	1.18 $\Omega$	< 2 $\Omega$
	5	-----do-----	1.51 $\Omega$	< 2 $\Omega$
	6	Back side of the building	1.90 $\Omega$	< 2 $\Omega$
	7	-----do-----	1.07 $\Omega$	< 2 $\Omega$
	8	-----do-----	1.30 $\Omega$	< 2 $\Omega$
	9	-----do-----	1.40 $\Omega$	< 2 $\Omega$



*(K K Gupta)*  
Inter-Tech, New Delhi