

### **6.30 Resistivity Survey for Metal Pipelines**

Soil resistivity survey may be carried out to determine the corrosivity of the soil along the route of metal pipeline (DI, Steel) to select suitable external coating method.

The variations in resistivity along the pipeline routes may be defined within the following bands.

000.0 - 1000	ohm-cm	Highly Aggressive
1000 - 3000	ohm-cm	Aggressive
3000 - 10000	ohm-cm	Mildly Aggressive
> 10000	ohm-cm	Non-Aggressive

### **6.31 Storage at Customer's Premises**

AADC role inside the customer's premises is limited to approving the size and location of the customer's tanks, AADC approval is usually provided when customer apply for the service/bulk connections.

The total storage at customer's premises shall be according to the criteria stated by the RSB (Guide to the Water Supply Regulations, Jan 2009). This criteria is summarized as follows :-

1. The total storage capacity (ground tanks and roof tanks or cistern) shall be estimated as follows:-
  - i- Minimum Capacity = 1 x daily consumption + firefighting reserve to be held completely in the ground tank
  - ii- Maximum Capacity = 2 x daily consumption + firefighting reserve to be held completely in the ground tank
2. The roof tank should always be sized to hold sufficient water to supply between 12 and 24 hours of the Premises' total daily consumption, irrespective of the provision of ground storage tanks. In situations where no ground tanks are allowed for, the actual roof storage capacity shall be sized for 24 hours.
3. For high-consumption customers (such as hotels and hospitals) provided with ground storage tanks only, the complete water capacity may be held in the ground storage tank if the Distribution Company has approved the boosting arrangements.