



**DALMIA CEMENT (B) LIMITED – CEMENT PLANT  
ARIYALUR  
INSTRUMENTATION DEPARTMENT**



Issue No. 01	Rev. No: 02	Effective Date: 20.09.2017	INST/SOP/021
Issued By: M.R		Approved By: HOD - Instrumentation	
ELECTRONIC WASTE DISPOSAL			

**Scope:** SOP for Electronic Waste Disposal.

**Responsibility:** Instrumentation technician.

**Accountability:** Instrumentation - Section Engineer.

**PPE:**

- Safety helmet
- Safety shoe
- Dust Mask
- Goggles
- Rubber Hand gloves

**Tools required:**

- Multimeter
- Insulated tools

**Hazard Analysis:**

**Risks associated**

Fumes from batteries

Electrocution

**Mitigating Measures**

Use of nose mask, goggles, hand gloves.

Use of rubber gloves, shoes without metal toe, standing on rubber sheets, properly insulated tools.



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## **1.0 PROCEDURE FOR DISPOSAL**

The Instrumentation engineer takes action as follows, for disposal:

### **1.1 INSPECTION:**

Monthly wise electronic cards, field instruments and batteries are brought to lab for further checking, if found that material is of no use then its material is sent to stores for scrapping

### **1.2 FORMAT FOR RETURNING TO STORES:**

<b>SL.NO.</b>	<b>INSTRUMENT NAME</b>	<b>QUANTITY</b>
1.0		
2.0		
3.0		

### **Emergency / Emergency Shut OFF:**

1. If any unconsciousness is there, give First aid and inform to the Safety department or Call Emergency number 3108/9865152222/9750963761.

### **Records/Annexure:**

1. JSA as enclosed below.



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<b>Job Safety Analysis</b>	Job: Disposal of Electronic waste	Date:	Analysis by:	Reviewed by:
Title of employee doing job: Inst-Technician	Supervisor: Section Engineer	Department: Instrumentation	Section: RM/PYRO/CM/CRUSHER	Approved by:

**Req'd/recommended PPE:** Safety helmet, Safety Shoes, Goggles, Dust Mask, Hand Gloves

Sequence of Basic Job Steps	Potential Hazards	Recommended Safe Job Procedure	What Could Go Wrong	Corrective Action
1. Use tools while checking batteries and remove your watches, coins etc which may come in contact with batteries.	If conducting materials come in contact with batteries, it may lead us to electric shock	Use properly insulated tools, and remove watches, coins etc which may come in contact with batteries before starting the work.	Result in electrocuted	Use properly insulated tools and rubber gloves
2. Checking of field instruments & electronic cards using multimeter with insulated probes	Live supply is exposed at the measuring point near the probe	Ensure the probe is properly insulated	Result in electrocuted	Use properly insulated tools and rubber gloves