

## Appendix G: Definition of Maintenance Terms

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### **Breakdown**

Breakdown is defined as when equipment reaches a condition when it can't operate.

### **Breakdown Maintenance**

Unplanned jobs, failure resulting in production loss or failure resulting in major repair with repair cost exceeding a certain predetermined value.

### **Breakdown / Equipment Failure**

Malfunction of equipment due to component defect/failure and/or activation of protection device where fitted. This is highly undesirable type of maintenance.

### **Breakdown Repair**

Correction of malfunction of equipment due to component defect/failure but excluding re-setting of activated protection device when fitted.

### **Competent Person**

One who is capable by training and is knowledgeable about soil classification, protective systems and is capable of identifying existing and predictable hazards in the surrounding work area. Proper documentation of the competent persons training records shall be kept.

### **Condition Monitoring**

A task like basic condition monitoring or equipment care which can be performed with the machine in operation and essentially uses the three magnificent senses (Look, Listen, Feel) to find the machine condition. The advanced condition monitoring would include technologies like vibration maintenance management, oil maintenance management, thermography, motor current maintenance management, etc. which need medium to high investment with trained personnel to operate.

### **Corrective Maintenance (Failure Trigger)**

An activity requiring the action of the Contractor to return equipment to its pre-defective condition. Corrective maintenance is the repair preferably done planned and scheduled, but could be unplanned, unscheduled, or both. This type of maintenance is done as per recommendations of condition monitoring department.

### **Corrective Repair**

All planned repair jobs identified by Condition monitoring or during checks in PM. These jobs consume significant parts replacement and manpower involvement.

### **Hazardous Atmosphere**

An atmosphere which is explosive, flammable, poisonous, corrosive, oxidizing, irritating, oxygen deficient, toxic or otherwise harmful and may cause death, injury or illness.

### **Failure**

Failure is defined as when equipment reaches an unacceptable condition (still running).

### **Improvement**

Enhancement of the equipment's capabilities, but not extending its useful life.

### **Major Overhaul/Re-build**

A fixed time based replacement which should be done for very critical assets/components and the percentage should be minimum. Uninstallation, complete disassembly into component parts,