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1. PURPOSE:

To provide the guideline for control & monitor the consumption of electricity

2. SCOPE:

This WI is applicable for consumption of electricity for

1. Total lighting load
2. For manufacturing purpose

3. RESPONSIBILITY:

HOD MNT is responsible for implementation of this WI

4. INSRUCTIONS:

DATA COLLECTION METHODOLOGY:


The Whole electricity consumption area is divided into following groups for Ease of control & monitoring

1. Main MSEB incoming-Meter Room
2. Departments in the Machine Shop
3. Utilities(Compressors)
4. Line
5. Total Lighting load-inclusive of shop floor, street lights

Maintenance Engineer keeps record of these readings on daily basis.

REVIEW AND ANALYSIS:

	Prepared By	Reviewed By	Approved By
Signature			
Name	Mr.Santosh Kasalkar	Mr.Dinkar Jadhav	Mr.Kiran Ambike
Designation	Asst.Manager-SHE	Manager-Heat Treatment	EOHS MR & VP-QA, Engg
Date	02.04.2012	02.04.2012	02.04.2012

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Daily readings are reviewed & if found abnormal, then immediate corrective actions are taken by HOD MNT. After reviewing collected data, HOD MNT along with HOD PRD analyses per product electricity consumption on monthly basis. Abnormal trends are further analyzed for corrective actions & control measures suitable to the area.

CONTROL METHODOLOGY:

Electrical consumption is controlled by following methods:

- Awareness training amongst the employees.
- By Brainstorming in the user groups
- By promoting different ideas from employees regarding energy conservation
- Display boards like “Save Energy”, “Switch-off lights & fans before leaving the place”, “Switch-off cooling tower & compressor in lunch & dinner time”.
- Daily monitoring of electricity consumption units by all Plant Heads.


MONITORING AND COMPARISON

New consumption levels are assessed by the HOD MNT and the results are compared with targets. The successful solutions are continued whereas for unsatisfactory solutions are reviewed for improvements

5. OPERATIONAL CONTROL:

Sr. No	Parameter to be Monitored	Spec	Frequency	Method	Responsibility	Record
1	Review of Consumption at Main MSEB Panel	Ideal Power Factor	Monthly	Daily Consumption Record	HOD MNT	Review Record

	Prepared By	Reviewed By	Approved By
Signature			
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6. RECORD REF: Electrical consumption records at various areas.

	Prepared By	Reviewed By	Approved By
Signature			
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Date	02.04.2012	02.04.2012	02.04.2012