

300 Kva Mag-Flux Power Saving  
Establishment  
Report (AVERAGE)  
For  
Enercon India Ltd- Unit 2E  
Daman

Project Lead By: Mr. Rajesh Mahajan  
(Maintenance Manager)

## Type of Load: Lighting & VRV

### POWER SAVER LOAD DATA IN BYPASS MODE

Sr No	Data	Time	Voltage R	Voltage Y	Voltage B	Current R	current Y	Current B	Total Unit Kwh	Diff units Kwh
1	23/09/2011	3:00 PM	405.9	407.3	406.6	193.9	203.8	220.6	18611.3	9778 Diff
		11:00 PM	407.2	409.3	408.1	170.3	150.3	151	19452.4	
2	24/09/2011	8:00 AM	409.3	410.7	410.9	111.1	172.1	179.4	19888.1	
		3:00 PM	406.9	408.6	408.7	149.1	192	198.6	20626.7	
		11:00 PM	408.4	411.2	409.2	134.5	110.2	110.9	21534.1	
3	25/09/111	8:00 AM	412.5	414.2	412.5	42.2	39.5	45.7	21872.3	
		3:00 PM	418	419.3	418.7	65.8	50.3	42.09	22148.7	
		11:00 PM								
4	26/09/2011	8:00 AM								
		3:00 PM	405.9	408.9	408	107.8	181.7	192.8	23674.7	
		11:00 PM	406.1	409.4	407.1	165.4	156.3	163.7	24593	
5	27/09/2011	8:00 AM	407.1	403.1	404.1	125.8	156.8	151.3	25010	
		3:00 PM	404.9	404.3	406.2	189.6	211.7	215	25758	
		11:00 PM	406.9	409.1	408.3	135.9	96.69	108.9	26589	
6	28/09/2011	8:00 AM	409.1	411.3	409.6	99.41	122	126.1	26963.4	
		3:00 PM	404.6	407.1	405	110.2	92.48	96.66	28389.4	

**23/09/2011 Friday 3.00 PM To 28/09/2011 Wenesday 3.00PM**

**MLDB LOAD DATA IN SAVE MODE OF ENERGY SAVER**

Sr No	Data	Time	Voltage R	Voltage Y	Voltage B	Current R	current Y	Current B	Total Unit Kwh	Diff Units Kwh
1	30/09/2011	3:00 PM	409.1	411.3	410.3	201.7	215.3	222.9	31440.7	7923 Diff
		11:00 PM	407.2	409.3	408.1	170.3	150.3	151	19452.4	
2	01/10/2011	3:00 PM								
		11:00 PM	411	414	413	118.3	80.1	93	33939.1	
	02/10/2011	8:00 AM	424	426	425	30	25	26	34254.2	
3		3:00 PM								
		11:00 PM								
	03/10/2011	8:00 AM	410.1	412.5	411.8	158.9	165.6	184.4	34975.2	
4		3:00 PM	405.1	406.5	405.9	183.9	177.9	208.1	35764.3	
		11:00 PM	410.7	412.7	411.5	110.3	74.63	75.11	36404.7	
	04/10/2011	8:00 AM	412.1	415.1	413.9	190.9	131.4	134.8	36835	
5		3:00 PM								
		11:00 PM	410	411	410	104.2	102	100.2	37932	
	05/10/2011	8:00 AM	416.1	418.5	417.4	104.6	109.2	121	38570.9	
6	06/10/2011	3:00 PM	418.1	412.1	411.6	107.1	109.1	122	39363.8	

**30/09/2011 Friday 3.00 PM To 06/10/2011 Wenesday 3.00PM**

## Saving Calculation

$$\begin{aligned} \% \text{ Saving} &= \frac{\text{Bypass KWH} - \text{Save KWH}}{\text{Bypass KWH}} * 100 \\ &= \frac{9778 - 7923}{9778} * 100 &&= \frac{1855}{9778} * 100 \end{aligned}$$

$$\% \text{ Saving} = 18.9 \%$$

**% Average Saving = 18 %**

**In Terms Of KWH**