

36 Kva Mag-Flux Power Saving  
Establishment Report (AVERAGE)

For

Nilkamal Plastic Ltd- Silvassa

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

BYPASS MODE	S.N.	DATE	TIME	3 PHASE VOLTAGE			3 PHASE CURRENT			KWH	UNITS/DAY
				R	Y	B	R	Y	B		
	1	14.05.2011	10.15	240.5	242.8	243.7	36.00	3.70	7.80	48786.76	303.39
2	15.05.2011	10.00	242.7	245.5	247.5	31.80	4.50	8.20	49090.15	295.50	
3	16.05.2011	9.30	245.2	245.8	248.8	19.20	5.20	9.00	49385.65	316.37	
4	17.05.2011	10.00	245.8	246.8	245.9	16.70	5.80	9.20	49702.02	291.07	
5	18.05.2011	10.00	242.8	244.4	245.6	29.20	5.30	8.30	49993.09	276.44	
6	19.05.2011	10.00	236.70	238.0	242.1	15.9	5.50	6.30	50269.53		
Ref. MLDB LOAD DATA DAILY CONSUMPTION RECORD OF CONTINUOUS SIX DAYS									AVG	<b>296.55</b>	

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

SAVE MODE	S.N.	DATE	TIME	3 PHASE VOLTAGE			3 PHASE CURRENT			KWH	UNITS/DAY
				R	Y	B	R	Y	B		
	1	27.05.2011	10.30	233.50	239.5	239.8	31.3	7.50	6.60	52508.53	262.43
2	28.05.2011	10.00	241.10	240.6	244.6	28.8	10.80	6.90	52770.96	269.04	
3	29.05.2011	10.00	240.70	240.76	240.4	14.3	4.0	6.60	53040.00	204.64	
4	30.05.2011	10.00	233.40	238.2	237.6	25.4	4.70	5.20	53244.64	266.43	
5	31.05.2011	10.00	235.00	239.6	242.0	29.0	8.10	6.60	53511.07	249.88	
6	01.06.2011	10.00	243.00	246.6	248.6	32.6	8.20	11.00	53760.95		
Ref. MLDB LOAD DATA DAILY CONSUMPTION RECORD OF CONTINUOUS SIX DAYS									AVG	<b>250.48</b>	

$$\begin{aligned} \% \text{ Saving} &= \frac{\text{Bypass KWH} - \text{Save KWH}}{\text{Bypass KWH}} * 100 \\ &= \frac{296.55 - 250.48}{296.55} * 100 = \frac{46.07}{296.55} * 100 \end{aligned}$$

$$\% \text{ Saving} = 15.54 \%$$

**% Average Saving (KWH)= 15.54 %**

**In Terms Of KWH**

**Note:** Saving could be archive minimum 20% if MLDB having purly lighting load, but presently MLDB is having Mixed load.