

**STAR HOSPITALS, ROA NO.10, BANJARA HILLS – ENERGY SAVING REPORT WITH MAXR100**

**Pre MAXR 100 installation Data**

Sr. No	Date	Total Running Hours	Average					Kwh	
			Amb in Deg C	Inside Room Temp	Humidity in %	Voltage	Amps	Total	Per Hour
1	14-07-2016	10	29.15	20	58.09	231.36	7.50	13.57	1.36
	15-07-2016	23	28.86	20	59.95	232.25	8.99	35.44	1.54
	16-07-2016	23	29.16	20	58.31	233.86	8.61	34.74	1.51
	17-07-2016	19	28.20	20	56.15	232.55	8.39	32.59	1.72
	18-07-2016	23	28.91	20	55.83	230.15	8.55	40.14	1.75
	19-07-2016	9	28.39	20	64.10	231.80		18.06	2.01
	20-07-2016	13	27.30	20	66.50	231.92		24.41	1.88
	<b>Total</b>	<b>120</b>						<b>198.94</b>	
	<b>Average</b>		<b>28.57</b>	<b>20</b>	<b>59.85</b>	<b>231.98</b>	<b>8.41</b>		<b>1.66</b>

**Post MAX R 100 DATA - SUMMARY**

Sr. No	Date	Total Running Hours	Average					Kwh	
			Amb in Deg C	Inside Room Temp	Humidity in %	Voltage	Amps	Total	Per Hour
1	16-08-2016	10	27.94	20	59.1	227	8.25	20	2.0002
2	17-08-2016	23.75	27.44	20	59.04	227.8	6.57	31.04	1.307073684
3	18-08-2017	23.75	27.7	20	62.37	230.91	5.71	18.64	0.784757895
4	19-07-2016	13	28	20	58.59	229.61	5.29	10.17	0.782461538
	<b>Total</b>	<b>70.5</b>						<b>79.9</b>	
	<b>Average</b>		<b>27.77</b>	<b>20</b>	<b>59.775</b>	<b>228.83</b>	<b>6.455</b>		<b>1.132</b>

## Summary of comparison of Pre & Post MAXR 100 installation Data

Parameters	Pre	Post	
Total Running Hours	120	70.5	
Total Energy Consumption IN kwh	198.94	79.855	
Average Energy Consumption/ Hour in KWH	1.66	1.132	<b>0.528</b>
Average Current in Amps	8.41	6.455	<b>1.955</b>
Average Voltage in Volts	231.98	228.83	
Average Ambient Temp IN Deg C	28.57	27.77	
Average inside temperature in Deg C	20	20	
Average Humidity in %	59.85	59.775	

## Conclusion

Improvement in Energy Consumption with MAXR100 IN kwh / Hour	<b>0.528</b>
<b>Improvement in % ( IN kwh/ Hour) - Energy Savings</b>	<b>31.80722892</b>
Improvement in average Current in Amps	<b>1.955</b>
<b>Improvement in % (AMPS)</b>	<b>23.24613555</b>