

**Replacement of Conventional Street Lighting with LED Street lighting at Dharamavaram Municipality**

Particulars	Unit	40W TL	70 W HPSV	150 W HPSV	400 W High Mast	Total
Type of Bulb- HPSV and CFLs replaced		3655	29	320	78	4082
Total Wattage of existing Street Lighting (including Losses)	Watt	52	80	165	425	
Wattage of LED Street Lighting	Watt	20	45	85	210	
Hours of Usage	Hrs/Day	12	12	12	12	
Hours of Usage	Hrs/Day	11	11	11	11	
Operating days per year	Days / Year	365	365	365	365	
Existing Energy Consumption per year	KWHr	8,32,463	10,162	2,31,264	1,45,197	12,19,085
Energy Consumption with LED Lights	KWHr	2,93,497	5,240	1,09,208	65,766	
Saving per year on account of Dimming	KWHr	-	-	-	-	-
New Energy Consumption per year	KWHr	2,93,497	5,240	1,09,208	65,766	4,73,710
Energy Saved per year	KWHr	5,38,966	4,922	1,22,056	79,431	7,45,376