

Distribution of LED based Solar Study Lamp for Students

The energy requirement of people living in Jharkhand is mostly catered by conventional power. The electrical load demand is everyday growing and there is always deficit of power especially during the peak hour demand. The frequency of the peak hour demand generally matches with the study hour of the Students. In many areas students are not able to do their home work and carry on their studies because of erratic supply of power during peak hours. LED based Solar Study Lamp would be the best option for such type of students.

LED based Solar Study Lamps will have 1 Watt LED, Lithium Ion battery not less than 2.2 Ah and 2 Wp solar module. Average duty cycle will be 4 hours of a day and will have minimum of two days autonomy.

This scheme will target boys & girls students of Govt. Schools of Class 10th, all the students of Kasturba Gandhi Balika Vidyalaya (203 numbers) and all the students studying in SC/ST Hostels under the Welfare Department, Govt. of Jharkhand.

Sl. No.	Particulars	Numbers of students
1	Numbers of students enrolled in Class 10 th	2,37,500
2	Numbers of students enrolled Kasturba Gandhi Balika Vidyalaya	60,900
3	Numbers of students enrolled in SC/ST/OBC Hostels	21,600
	Total	3,20,000

Distribution of LED based Solar Study Lamps would be done District-wise through concerned District Administration and Officials of Education department & Welfare department, which are supplied by selected suppliers.