

# **ENERGY AUDIT REPORT**

**(2020-21)**



**Barrackpore Rastraguru Surendranath College**

**85, Middle Road & 6, Riverside Road, Barrackpore,**

**North 24 Parganas, Kolkata – 700120, West Bengal**

**Energy audit** and management is a process including inspection, survey and analysis of energy consumption for energy conservation in a building. Generally, it is expressed as electricity consumption (in units) in a building.

**Electricity Consumption (in Units):**

**2020**

Science Campus	Jan'20- Mar'20	Apr'20-Jun'20	Jul'20-Sep'20	Oct'20-Dec'20
	18718	13330	-	-
Arts Campus	Jan'20- Mar'20	Apr'20-Jun'20	Jul'20-Sep'20	Oct'20-Dec'20
	2617	2877	-	-
Boy's Hostel	Dec'19-Feb'20	Mar'20-May'20	Jun'20-Aug'20	Sep'20-Nov'20
	1367	826	-	-
Girl's Hostel	Dec'20-Feb'21	Mar'21-May'21	Jun'21-Aug'21	Sep'21-Nov'21
	2987	2365	-	-

**TOTAL ELECTRICITY CONSUMPTION PER YEAR (2020):**

	UNITS
Science Campus (85, Middle Road)	32048
Arts Campus (6, Riverside Road)	5494
Boy's Hostel	2193
Girl's Hostel	5352
<b>GRAND TOTAL</b>	<b>45,087</b>

## 2021

Science Campus	Jan'21- Mar'21	Apr'21-Jun'21	Jul'21-Sep'21	Oct'21-Dec'21
	18895	16595	-	-
Arts Campus	Jan'21- Mar'21	Apr'21-Jun'21	Jul'21-Sep'21	Oct'21-Dec'21
	2625	3489	-	-
Boy's Hostel	Dec'19-Feb'20	Mar'20-May'20	Jun'20-Aug'20	Sep'20-Nov'20
	1050	883	-	-
Girl's Hostel	Dec'20-Feb'21	Mar'21-May'21	Jun'21-Aug'21	Sep'21-Nov'21
	875	760	-	-

### TOTAL ELECTRICITY CONSUMPTION PER YEAR (2021):

	UNITS
Science Campus (85, Middle Road)	35490
Arts Campus (6, Riverside Road)	6114
Boy's Hostel	1933
Girl's Hostel	1635
<b>GRAND TOTAL</b>	<b>45,172</b>

### Comments

Drastic drop in electricity consumption in 2020 and 2021 is the obvious effect of lockdown. Approximate per capita average consumption per month cannot be calculated as the college and hostels were closed in this time period due to pandemic restrictions.


### Suggestions and recommendations

However, in normal condition, the electricity consumption is really high in the College buildings. In this context, solar energy can be used as alternative

source of energy for the College campuses.

### **Acknowledgement**

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