

<u>'A' Class Electrical Contractor</u>
Gawatiya Para, Shivnandanpur Bishrampur
District-Surajpur (C.G.) 497226

An inspection survey and an analysis of energy flows for energy conservation are being conducted on Government College Silphili District Surajpur (C.G.). The college campus has single source of energy. There is no any renewable source of energy found i.e. Solar, Wind power etc. The required load of college building premises is dependent on non-renewable source of power supply provided by Chhattisgarh Power Distribution Company. Solar power system might be suitable for energy conservation of the Campus. The Solar Energy would be supporting source of power supply during sunny days and enhance the energy conservation. It may also lower the cost of energy used by college campus.

Energy consumption as per actual service load year 2019-20.

SN	Year	Consumption in (kwh)	Amount paid @3.65 Rs/kwh
1	2019-20	6693	Rs. 24432.27 per year

Note: Details report is enclosed in separate sheet. Amount for energy consumption is taken as per energy rate of Chhattisgarh Distribution Company.

GOVT. COLLEGE SILPHILI DISTRICT SURAJPUR (C.G.)

Energy Consumption as per actual sevice load Year 2019-20

		_														_		
				11	10	9	000	,	1 0	2	7	4	ω	2	1			No.
	Energy consumption per year			Water cooler	Water Pump	Printer	Computer	Exhaust Fan	Freeze	Coolei	Coolor	Tube light	LED Bulb	CFL Bulb	Ceiling fans			Name of appliance
-	year =			600	1100	1000	200	120	600	300	40	40	12	9	60	watts	appliance in	Capacity of
217	No. of day			1	1	ω	ω	41	1	ω	42		6	5	104		Qty	Connected
<	×			1	1	З	ω	4	1	2	00		5	5	5		service	Qty in
7447	kwh			600	1100	3000	600	480	600	600	320	1	77	45	300		watts (W)	Total
				2	1	1	00	1	00	ω	ω		ی ر	00	00			Hrs/day Wh
		21.116 kwh/month	21116 Wh	1200	1100	3000	4800	480	4800	1800	960	017	216	360	2400			Wh
		nonth																

11

6693.772 KWH/year

Cost of Energy = 6693.772

3.65

24432.27

24432.27 rupees per year 2036.022 Rs per month

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Note: Total load on various appliances used in college building as per specification, capacity and market price

DEEPAK KUMAR PATEL A.Class Electrical Contractor Bishrampur Lic.No.26/2145/A

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Energy consumption as per actual service load year 2018-19.

SN	Year	Consumption in (kwh)	Amount paid @3.65 Rs/kwh
1	2018-19	6693	Rs. 24432.27 per year

Note: Details report is enclosed in separate sheet. Amount for energy consumption is taken as per energy rate of Chhattisgarh Distribution Company.

Energy Consumption as per actual sevice load Year 2018-19

							_	_	_	_	1	1	T	Т		
Energ			11	10	9	00	7	6	5	4	ω	2	1		NO.	Sr.
Energy consumption per year			Water cooler	Water Pump	Printer	Computer	Exhaust Fan	Freeze	Cooler	Tube light	LED Bulb	CFL Bulb	Ceiling fans			Name of appliance
ar =			600	1100	1000	200	120	600	300	40	12	9	60	watts	appliance in	Capacity of
No. of day			1	1	3	3	41	1	3	42	6	5	104		Qty	Connected
××			1	1	3	3	4	1	2	8	6	5	5		service	Qty in
kwh 21.116			600	1100	3000	600	480	600	600	320	72	45	300		watts (W)	Total
			2	1	1	00	1	00	w	ω	ω	00	00			Hrs/day Wh
	21.116 kwh/month	21116 Wh	1200	1100	3000	4800	480	4800	1800	960	216	360	2400			Wh
	h/month															

6693.772 KWH/year

Cost of Energy =

6693.772

11

3.65

24432.2678 24432.2678

Rs

2036.02232 Rs per month per year

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Energy consumption as per actual service load year 2017-18.

SN	Year	Consumption in (kwh)	Amount paid @3.65 Rs/kwh
1	2017-18	6693	Rs. 24432.27 per year

Note: Details report is enclosed in separate sheet. Amount for energy consumption is taken as per energy rate of Chhattisgarh Distribution Company.

DEEPAK KUMAR PATEL A.Class Electrical Contractor Bishrampur Lic.No.26/2145/A nth

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Energy Consumption as per actual sevice load Year 2017-18

	Energy			11	10	9	00	7	6	5	4		2	1			Sr. No.	2
	Energy consumption per year			Water cooler	Water Pump	Printer	Computer	Exhaust Fan	Freeze	Cooler	Tube light	LED Bulb	CFL Bulb	Ceiling fans			Sr. No. Name of appliance Capacity of	
	ar =			600	1100	1000	200	120	600	300	40	12	9	60	watts	appliance in	Capacity of	
021	No. of day			1	1	3	3	41	1	3	42	6	5	104		Qty	Connected	
	×			1	1	3	3	4	1	2	00	6	5	5		service	Qty in	
	kwh			600	1100	3000	600	480	600	600	320	72	45	300		watts (W)	Total	
				2	1	1	00	1	00	w	3	3	00	00			Hrs/day Wh	
		21.116 kwh/month	21116 Wh	1200	1100	3000	4800	480	4800	1800	960	216	360	2400			Wh	
		n/month																

X X KWH/vear			ilpriori per year
X X KWH/vear	11	11	11
•	6693 777	317	No. of day
21.1	KWH/vear	×	×
16		21.116	kwh

Cost of Energy = 6693.772 X 3.65 = 24432.27

= 24432.27 = 24432.27 rupees per year = 2036.022 Rs per month

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Energy consumption as per actual service load year 2016-17

SN	Year	Consumption in (kwh)	Amount paid @3.65 Rs/kwh
1	2016-17	4918.572	Rs. 17952.79 per year

Note: Details report is enclosed in separate sheet. Amount for energy consumption is taken as per energy rate of Chhattisgarh Distribution Company.

Energy Consumption as per actual sevice load Year 2016-17

	Energy	1	I	10	9	000	T	0	, ,	7	A	ω	2	1			Sr. No.
	Energy consumption per year			Water Pump	Printer	Computer	Exhaust Fan	Freeze	Cooler	Color Igill	Tuha light	LED Bulb	CFL Bulb	Ceiling fans			Sr. No. Name of appliance
11	11			1100	1000	200	120	600	300	40		17	9	60	watts	appliance in	Capacity of
317	No. of day			1	2	2	41	1	0	42		2	5	104		Qty	Connected
×	×			1	2	2	4	1	0	00	0	0	5	5		service	Qty in
15.516	kwh	5.317	5317	1100	2000	400	480	600	0	320	1/	77	45	300		watts (W)	Total
				1	1	8	1	8	3	ω	u		oo	8			Hrs/day Wh
		15.516	15516	1100	2000	3200	480	4800	0	960	216	200	360	2400			Wh
		15.516 kwh/month	Wh														

Cost of Energy =

11

4918.572 KWH/year

4918.572

17952.79 3.65

17952.79 ruppees per year 1496.066 Rs. Per month

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License no. 25/2145/A

M/s DEEPAK KUMAR PATEL

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Energy consumption as per actual service load year 2015-16.

SN	Year	Consumption in (kwh)	Amount paid @3.65 Rs/kwh
1	2015-16	4094.372	Rs. 14944.46 per year

Note: Details report is enclosed in separate sheet. Amount for energy consumption is taken as per energy rate of Chhattisgarh Distribution Company.

Energy Consumption as per actual sevice load Year 2015-16

	Energy o			10	9	8	7	6	5	4	ω	2	1			Sr. No.
	Energy consumption per year			Water Pump	Printer	Computer	Exhaust Fan	Freeze	Cooler	Tube light	LED Bulb	CFL Bulb	Ceiling fans		appliance	Name of
11	year =			1100	1000	200	120	600	300	40	12	9	60	watts	appliance in	Capacity of
317	No. of day			1	1	1	41	1	0	42	6	5	104		Qty	Connected
×	×			1	1	1	4	1	0	8	6	5	5		service	Qty in
12.916	kwh	4.117	4117	1100	1000	200	480	600	0	320	72	45	300		watts (W)	Total
				1	1	8	1	8	3	3	3	8	8			Hrs/day
		12.916 kwh/month	12916 Wh	1100	1000	1600	480	4800	0	960	216	360	2400			Wh
		/month														

Dept.

11

4094.372 KWH/year

Cost of Energy =

4094.372

3.65

X 14944.46

11 11

14944.46 Rupees per year 1245.371 Rs per month