

ENERGY AUDIT REPORT
B.C.S. Government PG. College Dhamtari
Chhattisgarh



(2020-21)

Submitted

To

Principal

B.C.S. Government PG. College Dhamtari Chhattisgarh

By

(Energy Audit Committee)


Principal
Dr. Shreedevi Choubey

Energy Audit Committee
Abhishek Mishra (Incharge)
Dineshwar Salam (Member)




Preface

Data collections for Energy audit for B.C.S.Government P.G. College, Dhamtari were conducted by the Team for the period from 1st Sept. 2020 to 30th Aug. 2021. This audit was comprised of Inquire about the Management of the Energy Competence of the Campus. While dropping of energy utilization. Our prime Concerned are comfort, health, and safety the energy audit survey was completed by Energy audit Committee of the College. We Collected data from each classroom, Laboratory, and other rooms. The work is completed by considering how many Tube lights, Fans, A.Cs, Electronic Instruments etc are in use. We work out to find out the electricity Consumption of each component as per their individual share of power Consumed.

Acknowledgement

Energy Audit In charge of B.C.S. Government P.G. College Dhamtari is
Very much thankful to Principal Dr. Shreedevi Choubey, IQAC Coordinator
NAAC for motivating us for Energy Audit.

Energy Converter

Example:-

To Convert WATT in Unit (Regular Run for Hour)

If a single fan of 75watt its RPM will 750wh

$750\text{WH to KWH} = 0.75\text{KWH} = 0.75\text{Unit}$

Unit rate is decided by the Government

Note- This Data is on approximately use of the Equipment available in the
College Building

Steps to Save Energy

Total Campus area of our College is approximately 27Acer. And all the
Five (5) Buildings of our College are Constructed with Wide space Due to
which we have Excellent Ventilation system in every Class.

Students and Teachers are Responsible to Switch On and switch off
Electrical Equipments as per need.

From the Office of The Principal there is a strict Order to Switch off
Every equipment After the Class is over.

ENERGY AUDIT REPORT 2020-21

B.C.S. Government PG. College Dhamtari has a huge area of Building it is surrounded by the team for the Period of 20 August 2020 to 19 August 2021. The Audit was due to measure the progress of the energy competence of the campus. The main objective of the Audit is to save the energy. At present and in Future under the Supervision of Physics Department & some Experienced Electrical Engineer (Outsiders).

In This Audit we had adopted some Major steps for Energy saving.


Principal
Dr. Shreedevi Choubey

Energy Audit Committee
Abhishek Mishra (Incharge)
Dineshwar Salam (Member)






B.C.S. Government PG. College

Dhamtari, Chhattisgarh

CERTIFICATE

This is to Certify that the B.C.S. Government P.G. College Dhamtari has Conducted "Energy Audit" of Session 2020-2021 to assess the Consumption of electricity with the use of Renewal energy awareness activities.

The college has submitted the necessary data for this Audit.

The data presented is Satisfactory to Allocate and Measure the Audit

Place :- Dhamtari.....

Date :- 21.03.2021.....


Nimish Parmar
Assistant Engineer
C.S.P.D.C.L Dhamtari (Zone)
ID No. 91337754

B.C.S. Govt. P.G. College, Dhamtari (C.G.)

ELECTRONICS EQUIPMENTS IN USE

YEAR- 2020-21[illegible]

ROOM NO.	FAN	TUBE LIGHT	LED	PC	PRINTER	PHOTOCOPY MACHINE	AC	FRIDGE	WATER COOLER	EXHAUST	PROJECTOR
R.NO 16	5	4	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R.NO 17	6	3	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R.NO 18	6	3	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R.NO 19	6	4	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R.NO 20	6	3	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R.NO 21	5	6	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
TOTAL	192	106	59	18	12	4	1	1	3	4	1
LIBRARY BULIDING											
LIBRARY GROUND	27	45	NIL	10	NIL	1	2	1	1	3	NIL
HALL FIRST FLOOR	31	30	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
TOTAL	58	75	NIL	10	NIL	1	2	1	1	3	NIL
IT BULIDING											
R. NO. 1	1	1	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
IT DEPT.	2	3	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
HALL	4	4	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
IT LAB	8	2	15	35	2	NIL	4	1	1	3	1
TOTAL	15	10	15	15	2	NIL	4	1	1	3	1
LAW BULIDING											
LAW DEPT	2	2	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
HALL	5	4	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R. NO 01	2	2	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R. NO 02	2	2	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R. NO 03	1	1	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
SUNDAR LAL SHARMA	2	2	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
TOTAL	14	13	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
RUSA BULIDING											
GALLERY GROUND	NIL	NIL	4	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
CHEMISTERY LAB	8	NIL	10	NIL	NIL	NIL	NIL	NIL	1	3	
R. NO. 03	5	NIL	6	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R. NO. 04	5	NIL	6	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
TOILET G	NIL	NIL	2	NIL	NIL	NIL	NIL	NIL	NIL	1	NIL
GALLERY FIRST FLOOR	2	NIL	5	NIL	NIL	NIL	NIL	NIL	1	NIL	NIL
HALL	13	NIL	20	1	NIL	NIL	NIL	NIL	NIL	3	1
R. NO. 05	5	NIL	6	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
R. NO 06	5	NIL	6	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
TOTAL	44	NIL	65	1	NIL	NIL	NIL	NIL	2	7	1


Principal
Dr. Shreedevi Choubey


Energy audit Committee
&
Department of Physics