



SSR Document

2018-19 to 2022-23

CRITERION 6

Governance, Leadership and Management



Key Indicator No.: -6.4

Financial Management and Resource Mobilization



Metric No.: - 6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ non-government organizations) and it conducts financial audits regularly (internal and external)



DECLARATION

The information, reports, true copies of the supporting documents, numerical data etc. furnished in this file are verified by IQAC and found correct.

Hence this certificate.

IQAC Coordinator

Principal



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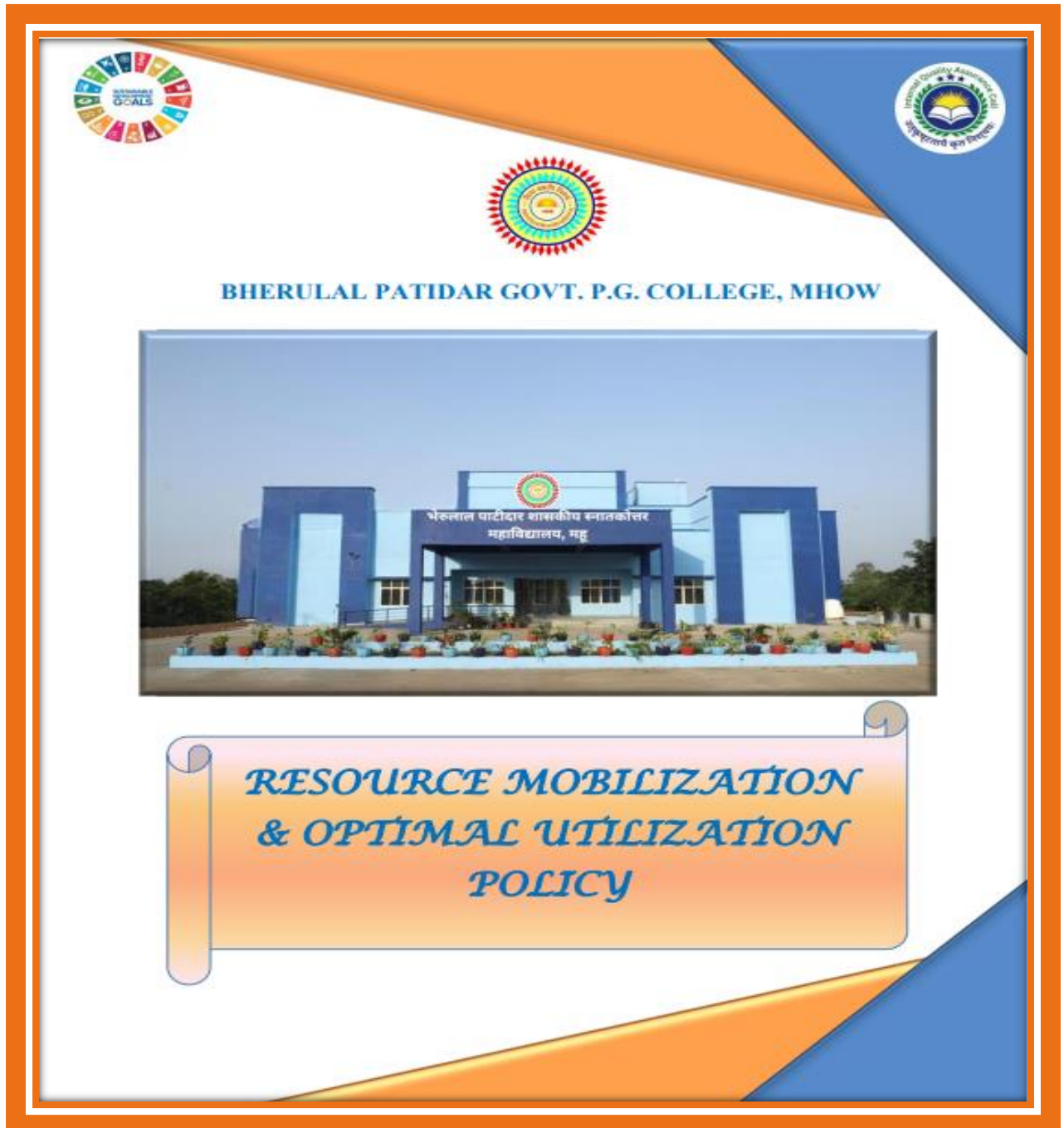
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1. Resource Mobilisation Policy Statement



VIEW DOCUMENT :- blpgovtpgcollegemhow.ac.in/wp-content/uploads/2025/01/Resource-mobilization-Utilization-policy.pdf



2. Institutional strategies for mobilization and utilization of funds from government organization.

2.1 List depicting Funds received for Research from various sources (Government and organization- MPCST, Bhopal and UGC-CRO, Bhopal).

Sn.	Name of the research project /endowment	Name of the Principal investigator/Co - investigator	Department of Principal investigator	Year of Award	Amount Sanctioned	Duration of the Project	Name of the funding agency	Type (government/ non-government)
1.	Minor Research Project by MPCST	Dr. Ranjana Verma	Zoology	2023	1,93,000	2 years	MPCST Bhopal	Government
2.	Minor Research Project by UGC-CRO, Bhopal	Dr. Monika Sanyal	Chemistry	2018	4,10,000	2 Years	UGC-Central Regional Office, Bhopal	Government



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

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2. Institutional strategies for mobilization and utilization of funds from government organization.

2.1.1 Minor Research Project by MPCST allotted to Dr. Ranjana Verma (Page 1)

M.P. Council of Science & Technology
Vigyan Bhawan, Nehru Nagar, Bhopal - 462003

No. 3871 /CST/R&D/BioSci/2023 Bhopal, Dated: 31/03/2023

To
Principal
Govt. P.G. College, MHOW
Indore - 453441 (M.P.)

Subject: Project entitled "Ameliorating effect of dietary supplements of Lepidium Sativum on oxidative stress and hemato-biochemical alterations induced by synthetic pyrethroids type II fenvalerate in poultry

Reference: 1. R&D File No. A/R&D/2022-23

Principal Investigator: -- Dr. Ranjana Verma Asst. Prof Dept of Zoology Bherulal Patidar Govt. P.G. College, MHOW Old A.B. Road Dongergao, Indore - 453441 (M.P.)

Sanction of this Council hereby accorded for Rs. 1,93,000/- (Rupees One Lakh Ninty Three Thousand Only) for 02 year and release of first year grant of Rs. 1,00,000/- (Rupees One Lakh Only) to The Principal, Govt. P.G. College, MHOW Indore - 453441 (M.P.).

The head wise break up of sanctioned amount is as follows:

S.No.	Items	1 st Year Rs.	2 nd Year	Total
01	Consumables	70,000/-	60,000/-	1,30,000
02	Travelling Expenses	5,000/-	8,000/-	13,000/-
03	Publication / Printing	10,000/-	10,000/-	20,000/-
04	Other	15,000/-	15,000/-	30,000/-
05	Total	1,00,000/-	93,000/-	1,93,000/-

(One Lakh Ninty Three Thousand Only)

- The amount will be used by the institution for the purpose it has been sanctioned. If grantee fails to utilize for the purpose for which the grant is sanctioned will be recovered along with the penal interest of 18% per annum.
- All the dead stock will be the property to the council and will be disposed of accordingly to its instructions.
- Purchase of equipments etc. will be governed as per existing rules of the institution.
- The audited accounts duly countersigned by the competent authority will be transmitted to this council within quarter/financial year.

Received DR RANJANA VERMA Noted 19.04.23
FOLLOW INSTRUCTIONS POINT 1 TO 12
Doorga 19.4.23

7/53/2023
18/04/2023
03



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2. Institutional strategies for mobilization and utilization of funds from government organization.

2.1.2 Minor Research Project by UGC-CRO, Bhopal allotted to Dr. Monika Sanyal (Page 1)


UNIVERSITY GRANTS COMMISSION - CENTRAL REGIONAL OFFICE,
Tawa Complex (Bittan Market), E-5, ARERA COLONY, BHOPAL-462 016
Ph. : 0755 - 2467418, 2467892, Fax. : 0755 - 2467893, web site : www.ugc.ac.in

F.No.:MS-26/103029/15-16/CRO Date: **31 MAR 2016**
Code: **103029**

To
The Principal,
B.P. Govt. P.G. College
A.B. Road, Mhow, Indore (M.P.) - 453441

Sub.: Financial Assistance for undertaking Minor Research Project by Monika Sanyal, Asstt. Professor (Chemistry) B.P. Govt. P.G. College, A.B. Road, Mhow, Indore (M.P.), in "Isolation and identification of some Phytochemicals from Calotropis Procera, Argemone Mexicana and Solanum Xanthocarpum".

Sir,
The Commission on the recommendations of the Selection Committee has approved the research project entitled in "Isolation and identification of some Phytochemicals from Calotropis Procera, Argemone Mexicana and Solanum Xanthocarpum." of by Monika Sanyal, Asstt. Professor (Chemistry) B.P. Govt. P.G. College, A.B. Road, Mhow, Indore (M.P.), and has agreed to provide a grant of Rs.410000/-.

Particular	Allocation	Grant being released
NON RECURRING		
1. Books & Journals	Rs. 60000.00	Rs. 60000.00
2. Equipments	Rs. 0.00	Rs. 0.00
RECURRING		
3. Travels, Field work	Rs. 50000.00	Rs. 25000.00
4. Contingency	Rs. 120000.00	Rs. 60000.00
5. Chemical & Glassware	Rs. 150000.00	Rs. 75000.00
6. Special Needs	Rs. 30000.00	Rs. 15000.00
TOTAL	Rs. 410000.00	Rs. 235000.00

I am directed to convey the sanction of the Commission for Payment of Rs. 235000/- as first installment to The Principal, B.P. Govt. P.G. College, A.B. Road, Mhow, Indore (M.P.), under following terms and condition.

- The effective date of implementation of the Project will be the date of receipt of fund by the institution.
- The tenure for the Minor Research Project will be 2 year, which would be permissible only under special circumstances and will be without any Financial Assistance.
- On receipt of this letter the Principal Investigator must sign and return the Acceptance Certificate as enclosed duly countersigned by the Principal within 3 month of issue of this letter, failing which the approval should stand withdrawn.

in case, the grant is not settled within six months from the date of completion of the project, the same will lapse and no representation will be entertained on this behalf and Principal Investigator has to refund the whole grant.

Principal Investigator may undertake only one project at a time under UGC funding either by the UGC, H.O., New Delhi or by the C.R.O., Bhopal. The letter of undertaking enclosed may be sent to this office immediately after receiving this sanction. Failure to the submission of this and also in running two parallel projects funded by the UGC (Regional Office/Main Office at New Delhi), the Principal investigator will be held solely responsible and have to refund the amount as and when it comes to the notice, of the authorities.

The College shall maintain proper accounts of the expenditure out of the Grants which shall be utilised only on approved item of expenditure as per detailed in XII Plan Guidelines



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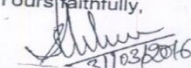


2. Institutional strategies for mobilization and utilization of funds from government organization.

2.1.2 Minor Research Project by UGC-CRO, Bhopal allotted to Dr. Monika Sanyal (Page 2)

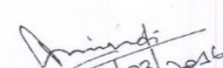
All assets generated out of the fund for the project including equipment, books and journals will become the property of the host institution on completion of the project. However, in case of transfer of the project, assets (or a part of it) generated out of the funds of concerned project, may be transferred to the concerned institution on request, with prior approval of the UGC.

- The travel/field work is to be undertaken only for data collection and collection of other information such as consultancy, documents and libraries within the general scope and sphere of the project.
- The sanctioned amount is debatable to the major Head 4(ii)b.
- The amount of the Grant shall be drawn by the account officer (Drawing and Disbursing Officer), University Grants Commission, CRO, Bhopal on the Grants-in-Aid bill and shall be disburse to and credited to the Principal, B.P. Govt. P.G. College, A.B. Road, Mhow, Indore (M.P.), through NEFT/RTGS, during, 2015-16.
- The grants are subject to the adjustment on the basis of Utilisation Certificate, Statement of Expenditure & Progress report of the work done so far in the prescribed performa submitted by the college.
- A Register of Assets acquired wholly or substantially out of the Grant shall be maintained by the University/College in the prescribed form.
- The Funds to the extent are available under the scheme.
- The interest earned by Colleges/Institutions on the grants paid by UGC may be treated as additional grant. It should be included in the accounts & the Utilisation Certificate to be submitted to the University Grants Commission.
- The expenditure has noted at the BCR No. _____
- Rest of the conditions of the project stand as per the XI Plan guidelines of the UGC concerning Research Funding Council for Major & Minor Research Projects, as the case may be.
- The grantee institution shall ensure the Utilisation of grants-in-aid for which it is being sanction/paid. In case non-utilisation/part utilisation, the simple interest @ 10% per annum as amended from time to time on unutilised amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
- This issues with the approval of the Chairman, UGC, New Delhi.

Yours faithfully,

(Dr. G.S. Chauhan)
Deputy Secretary

Copy forward for information and necessary action to :

- Accounts Officer
UGC, CRO, Bhopal (M.P.)
- The Director/Dean, CDC,
Devi Ahilya University
Indore (M.P.)
- The Commissioner/Deputy Secretary,
Dept. of Higher Education
Govt. of M.P. 5th Floor,
Satpura Bhawan, Bhopal (M.P.)
- Monika Sanyal
Asstt. Professor (Chemistry)
B.P. Govt. P.G. College
A.B. Road, Mhow, Indore (M.P.)
Pin-453441


(Dr. Prashant Dwivedi)
Education Officer

Note:- In Regard to this Sanction letter the Sanctioned amount is already transferred in to your College account. (AS ACCOUNT INFORMATION GIVEN BY THE COLLEGE). Please verify and inform to UGC, CRO, Bhopal as soon as possible.



2. Institutional strategies for mobilization and utilization of funds from government organization.

2.1.2 Minor Research Project by UGC-CRO, Bhopal allotted to Dr. Monika Sanyal (Page 3)

The screenshot shows an email interface with the following content:

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- All-New Lakh Kia India

Inbox : Read Mail [Back to Inbox]

Announcement: Beware of phishing mail that ask for your password. Know more

From: UGC-CRO BHOPAL <ugccro2019@gmail.com> | Add to Address book

To: govt_mhowcollege03@rediffmail.com

Subject: Regarding the MRP XII Project of Monika Sanyal.

Date: Tue, 15 Mar 2022 17:10:38 IST

Cc: diksha.ugc@nic.in

Sir/Madam,

This has the reference to the MRP project of Monika Sanyal E 26/103029/15-16/CRO. of the B.P. Govt. P.G. College In this regard, It is account of F.No. MS-26/103029/15-16/CRO is settled.

With Regards,

UGC, CRO, Bhopal (M.P.)
Ph-0755-2467418, 2467892

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2. Institutional strategies for mobilization and utilization of funds from government organization.

2.2 List depicting Funds received from various sources (Government organization).

Sn.	Name of the research project /endowment	Name of the Principal investigator/Co-investigator	Department of Principal investigator	Year of Award	Amount Sanctioned	Duration of the Project	Name of the funding agency	Type (government/non-government)
1.	Commissioner/ Project Manager RUSA Dept. of Higher Education, Bhopal	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	RUSA Committee	2018	200,00,000	6 Years	RUSA (World Bank)	Gover nment
2.	Project Manager RUSA (State Project) Bhopal	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	RUSA Committee	2018	146,24,000	6 Years	RUSA (World Bank)	Gover nment
3.	Endowment by RUSA Heating Mantle, Hot plate , Magnetic stirrer, Table Top Weighing Scale	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	1,11,050	NA	RUSA (World Bank)	Gover nment
4.	Endowment by RUSA Centrifuge, Heating Mantle, Magnetic stirrer	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	56,263	NA	RUSA (World Bank)	Gover nment
5.	Endowment by RUSA Centrifuge, Heating Mantle, Magnetic stirrer,	For research purpose- Principal Bherulal Patidar Govt. P.G.	Zoology	2020	4,09,832	NA	RUSA (World Bank)	Gover nment



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	Table Top Weighing Scale	College MHOW						
6.	Endowment by RUSA pH meter Microprocessor Based LT-10	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	28,060	NA	RUSA (World Bank)	Government
7.	Endowment by RUSA Double Beam UV- Visible Spectrophotometer LT -2203	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	6,09,400	NA	RUSA (World Bank)	Government
8.	Endowment by RUSA Domestic Microwave Oven	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	11,476	NA	RUSA (World Bank)	Government
9.	Endowment by RUSA Variable Volume Single Channel Micropipette	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	1,950	NA	RUSA (World Bank)	Government
10.	Endowment by RUSA Pathological Monocular Microscope Ge- 40	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	47,880	NA	RUSA (World Bank)	Government
11.	Endowment by RUSA Water Distillation Unit Double Still	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	1,08,407	NA	RUSA (World Bank)	Government
12.	Endowment by RUSA Water Distillation Unit Single Still	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	81,110	NA	RUSA (World Bank)	Government



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13.	Endowment by RUSA ULTRASONIC INTERFEROMETRICAL-E 637	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	49,000	NA	RUSA (World Bank)	Government
14.	Endowment by RUSA Fresnel Biprism –R 4929	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	7,588	NA	RUSA (World Bank)	Government
15.	Endowment by RUSA OPTICAL BENCH WITH RAIL TYPE COP	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	15,414	NA	RUSA (World Bank)	Government
16.	Endowment by RUSA Fresnel Biprism Diffraction Apparatus	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	28,094	NA	RUSA (World Bank)	Government
17.	Endowment by RUSA Measurement of Wave Length Of He- Ne Laser Using Ruler	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	46,466	NA	RUSA (World Bank)	Government
18.	Endowment by RUSA Michelson interferometer Apparatus	For research purpose- Principal Bherulal Patidar Govt. P.G. College MHOW	Zoology	2020	54,121	NA	RUSA (World Bank)	Government



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2. Institutional strategies for mobilization and utilization of funds from government organization.

a) Commissioner/ Project Manager RUSA Dept. of Higher Education, Bhopal

मध्यप्रदेश शासन
उच्च शिक्षा विभाग
भोपाल

क्रमांक 886 / 11 / सी.सी./रूसा/2018 भोपाल, दिनांक 25/09/2018
प्रति,

आयुक्त/परियोजना संचालक,
राष्ट्रीय उच्चतर शिक्षा अभियान,
उच्च शिक्षा विभाग, सतपुड़ा भवन पंचम तल,
भोपाल 461001।

विषय:- रूसा चरण-2, कम्पौनेट-9, के अन्तर्गत महाविद्यालयों में अधोसंरचना एवं उन्नयन कार्य की प्रशासकीय स्वीकृति बाबत।

संदर्भ:- 1. मानव संसाधन विकास मंत्रालय का पत्र क्रमांक F.No. 24-48/2014-U Policy (MPIGC-Gen) दिनांक 13.06.2018।

उपरोक्त विषयांतर्गत संदर्भित पत्र के अनुक्रम में मानव संसाधन विकास मंत्रालय, भारत सरकार द्वारा रूसा चरण-2, कम्पौनेट-9, महाविद्यालय में अधोसंरचना विकास एवं उन्नयन कार्य करने हेतु राष्ट्रीय उच्चतर शिक्षा अभियान योजना से प्राप्त अनुदान एवं मांग संख्या-44 योजना क्रमांक 7600 (राष्ट्रीय उच्चतर शिक्षा अभियान योजना) सेगमेंट कोड 0101 (सामान्य), 0102 (अनुसूचित जनजाति उप योजना), 0103 (अनुसूचित जनजाति) के अंतर्गत नीचे दर्शायी गई तालिका में उनके द्वारा प्रस्तुत प्रस्ताव अनुसार प्रशासकीय विभाग के अनुमोदन के परिप्रेक्ष्य में कॉलम 7 के अनुरूप निर्माण एवं उपकरण आदि क्रय करने की प्रशासकीय स्वीकृति प्रदान की जाती है।

क्र.	महाविद्यालय का नाम	कार्य का विवरण (लाख में)			उपकरण की प्रशासकीय स्वीकृति की राशि (लाख में)	कुल प्रशासकीय स्वीकृति (लाख में)
		नवीन निर्माण	उन्नयन	कुल		
1	2	3	4	5	6	7
1	उच्च शिक्षा उत्कृष्टता महाविद्यालय, भोपाल	100.00	60.00	160.00	40.00	200.00
2	शा. सरोजनी नायडू कन्या स्नातकोत्तर स्वशासी महाविद्यालय, भोपाल	60.00	100.00	160.00	40.00	200.00
3	शा. एम.एल.बी कन्या स्नातकोत्तर स्वशासी महाविद्यालय, भोपाल	100.00	60.00	160.00	40.00	200.00
4	शा. कन्या स्नातकोत्तर महाविद्यालय, रतलाम	100.00	80.00	180.00	20.00	200.00
5	शा. भेरूलाल पाटीदार स्नातकोत्तर महाविद्यालय, महु, इंदौर	100.00	40.00	140.00	60.00	200.00
6	शा. महारानी लक्ष्मीबाई कन्या स्नातकोत्तर महाविद्यालय, इंदौर	100.00	70.00	170.00	30.00	200.00
7	शा. कमला राजा कन्या स्नातकोत्तर महाविद्यालय, ग्वालियर	100.00	49.00	149.00	51.00	200.00
8	शा. ठाकुर रणमत सिंह महाविद्यालय, सीवा	100.00	60.00	160.00	20.00	200.00
9	शा. कन्या स्नातकोत्तर महाविद्यालय, सीवा	100.00	60.00	160.00	40.00	200.00
10	शा. राजमाता सिंधिया कन्या स्नातकोत्तर महाविद्यालय, छिंदवाड़ा	100.00	50.00	150.00	50.00	200.00
11	शा. निर्मय सिंह पटेल विज्ञान महाविद्यालय, इंदौर	100.00	50.06	150.06	49.94	200.00

निरंतर....



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

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2. Institutional strategies for mobilization and utilization of funds from government organization.

b) Project Manager RUSA (State Project) Bhopal.

कार्यालय प्राचार्य, भेरुलाल पाटीदार शासकीय स्नातकोत्तर महाविद्यालय, महु
 क्रमांक/3262 /रूसा/2018, 0/1 महु दिनांक 13/08/2018
 प्रति, 3263

उप परियोजना संचालक,
 मध्यप्रदेश स्टेट प्रोजेक्ट रूसा, 192, एवीएन टॉवर, मेजनाईन फ्लोर,
 जोन - 1 एम.पी. नगर, भोपाल

विषय :- रूसा चरण 2 के तहत कम्पौनेट 9 के प्रस्ताव हेतु पुनरीक्षित डीपीआर तकनीकी स्वीकृति (Technical Sanction) सहित प्रस्तुत करने बाबद्।

संदर्भ :- 1. आपका पत्र क्रमांक 431 / रूसा / 2018 दिनांक 02.06.2018
 2. महाविद्यालय का पत्र क्रमांक 2056 / रूसा / 2018 दिनांक 12.06.2018
 3. आपका पत्र क्रमांक 563 / रूसा / 2018 दिनांक 10.07.2018
 4. महाविद्यालय का पत्र क्रमांक 2697 / रूसा / 2018 दिनांक 19.07.2018
 5. महाविद्यालय का पत्र क्रमांक 3187 / रूसा / 2018 दिनांक 13.08.2018
 6. अतिरिक्त परियोजना संचालक, लोक निर्माण विभाग, पी.आई.यू. इन्दौर का पत्र क्रमांक एफ/2018/भेरुलाल पाटीदार महाविद्यालय/कार्य/ए.पी.डी. /2153 दिनांक 13.08.2018 एवं 2191/दिनांक 16.08.2018

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उपर्युक्त विषयान्तर्गत एवं संदर्भित पत्र के संदर्भ में लेख है कि रूसा चरण 2 के तहत कम्पौनेट 9 के प्रस्ताव के अंतर्गत महाविद्यालय अधीन संरचना विकास कार्य के लिए 02 करोड रुपये तक की निर्माण, उन्नयन एवं उपकरण (कमरा: 50:20:30 के अनुपात में) कय संबंधी पुनरीक्षित डीपीआर तकनीकी स्वीकृति (Technical Sanction) सहित जानकारी निम्नानुसार तैयार कर पत्र के साथ संलग्न कर आपकी ओर उचित कार्यवाही हेतु प्रेषित है।

1. महाविद्यालय को प्राप्त होने वाली अनुदान राशि रूपये 02 करोड का व्यय विवरण।

राशि का विवरण	किये जाने वाले कार्य का विवरण	अतिरिक्त परियोजना संचालक द्वारा प्रदत्त तकनीकी स्वीकृति अनुसार			समागीय परियोजना यंत्री द्वारा प्रदत्त कुल लागत समस्त कर सहित
		सिविल कार्य	बिजली कार्य	कुल स्वीकृत राशि	
1	2	3	4	(3+4) = 5	6
50 प्रतिशत राशि (01 करोड)	ग्रंथालय के पास निर्माण कार्य हेतु 01 करोड व्यय होना है।	8262903.00	791915.00	9054818.00	107.22 लाख
20 प्रतिशत राशि (39.02 लाख)	महाविद्यालय के अध्यापन कक्षा के उन्नयन कार्य हेतु व्यय किया जाना है।	2996624.00	180339.00	3176863.00	39.02 लाख
	कुल योग	11259427.00	972254.00	12231681.00	146.24 लाख
30 प्रतिशत राशि (60 लाख)	महाविद्यालय में उपकरण एवं फर्नीचर कय हेतु व्यय किया जाना है।			6000310/- (समस्त कर सहित)	

संलग्न :- उपरोक्तानुसार पुनरीक्षित डी.पी.आर. एवं आवश्यक प्रपत्र।

प्रभारी, रूसा
 भेरुलाल पाटीदार शासकीय स्नातकोत्तर महाविद्यालय, महु
 पृ क्रमांक 3262 /रूसा/18
 प्रतिलिपि: 3263 सूचनाार्थ।

1. अतिरिक्त संचालक, उच्च शिक्षा विभाग, इन्दौर संभाग, मोती तबेला, इन्दौर।

प्रभारी, रूसा
 भेरुलाल पाटीदार शासकीय स्नातकोत्तर महाविद्यालय, महु

महु दिनांक 13/08/2018

प्रभारी, रूसा
 भेरुलाल पाटीदार शासकीय स्नातकोत्तर महाविद्यालय, महु



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2. Institutional strategies for mobilization and utilization of funds from government organization.

c) Endowment by RUSA Heating Mantle, Hot plate, Magnetic stirrer, Table Top Weighing Scale.

S.N.	CAT./ITEM NO.	Description of Goods	HSN Code	Quantity	Price	GST Rate	Amount (Rs)
1.		Heating Mantle	8419	2 pcs	2,065.00	18%	4,130.00
2.		Hot Plate	8419	6 pc	4,860.00	18%	29,160.00
3.		Magnetic Stirrer	8419	4 pcs	14,580.00	18%	58,320.00
4.		Table Top Weighing Scale	8423	1 pc	2,430.00	18%	2,430.00

Grand Total 13 Units Rs **1,11,050.00**

HSN/SAC	Tax Rate	Taxable Amt.	IGST Amt.	Total Tax
8419	18%	91,610.00	16,489.80	16,489.80
8423	18%	2,430.00	437.40	437.40
Totals		94,040.00	16,927.20	16,927.20

AMOUNT IN WORDS
INR One Lakh Eleven Thousand Fifty Only

Bank Details 1: AXIS BANK AMBALA CANTT, ACCOUNT NO. - 920020063059154, IFSC - UTIB0000432
2: BANK OF BARODA AMBALA CANTT, ACCOUNT NO.-78840200000323, IFSC - BARB0VJAMBA

Terms & Conditions E. & O.E.
1. Goods once sold will not be taken back.
2. Interest @ 18% p.a. will be charged if the payment is not made with in the stipulated time.
3. Subject to 'Haryana' Jurisdiction only.

for HANS RAJ SCIENTIFIC METAL WORKS
Authorised Signatory



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

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Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

d) Endowment by RUSA Centrifuge, Heating Mantle, Magnetic stirrer.

S.N.	CAT./ITEM NO.	Description of Goods	HSN Code	Quantity	Price	GST Rate	Amount(Rs)
1.		Centrifuge	9027	1 pcs	31,000.00	18%	31,000.00
2.		Heating Mantle	8419	1 pcs	2,065.00	18%	2,065.00
3.		Magnetic Stirrer	8419	1 pcs	14,580.00	18%	14,580.00

Grand Total 3 pcs **Rs 56,263.00**

HSN/SAC	Tax Rate	Taxable Amt.	IGST Amt.	Total Tax
8419	18%	16,645.00	2,996.10	2,996.10
9027	18%	31,000.00	5,580.00	5,580.00
Totals		47,645.00	8,576.10	8,576.10

AMOUNT IN WORDS
INR Fifty Six Thousand Two Hundred Sixty Three Only

Bank Details 1: AXIS BANK AMBALA CANTT, ACCOUNT NO. - 920020063059154, IFSC - UTIB0000432
2: BANK OF BARODA AMBALA CANTT, ACCOUNT NO.-78840200000323, IFSC - BARBOVJAMBA

Terms & Conditions E. & O.E.
1. Goods once sold will not be taken back.
2. Interest @ 18% p.a. will be charged if the payment is not made with in the stipulated time.
3. Subject to 'Haryana' Jurisdiction only.

for HANS RAJ SCIENTIFIC METAL WORKS
Principal
BLP Govt. P.G. College, Mhow

Authorised Signatory



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

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2. Institutional strategies for mobilization and utilization of funds from government organization.

f) Endowment by RUSA PH Meter Microprocessor Based LT-10.

GSTIN : 06AHPK8987P1ZF		Original Copy				
TAX INVOICE						
ATMOS ENTERPRISE						
80 B , GOBIND NAGAR, AMBALA CANTT Tel. : 0171-4005048, 94164-64173 email : atmos_ambala@yahoo.com						
Invoice No. : 1517	Date of Invoice : 07-12-2020	Transport : Train	Vehicle No. :			
Place of Supply : Madhya Pradesh (23)	Reverse Charge : N	Station :	DOC , THROUGH : DIRECT			
GR/RR No. :						
Billed to : TO, THE HIGHER EDUCATION OFFICER ON SPECIAL DUTY M.P. STATE PROJECT DIRECTORATE RUSA HIGHER EDUCATION DEPTT M.P BHOPAL		Shipped to : BHERULAL PATIDAR GOVT P G COLLEGE MHOW, CODE 2307 CONTRACT GEMC-511687772775945 DEPTT M.P BHOPAL				
GSTIN / UIN : 23BPLD01632B2DX		GSTIN / UIN : 23BPLD01632B2DX				
S.N.	Description of Goods	HSN/SAC Code	Qty.	Unit	Price	Amount(₹)
1.	PH METER MICROPROCESSER BASED LT-10	9027	4.00	Pcs.	5,945.00	23,780.00
<div style="border: 1px solid black; padding: 5px;"> <p>Certified that the articles have been received, checked and entered in stock book No...<i>S.L. Reg.</i>... page No...<i>10</i>... forwarded for payment for Rs. <u>28060 = ₹</u> Twenty Eight Thousand sixty only.</p> <p style="text-align: right;"><i>[Signature]</i> H.O.D.</p> </div>		<div style="border: 1px solid black; padding: 5px;"> <p>Passed for Payment Rs. <u>28060/-</u> in words : <u>Twenty eight thousand sixty only</u></p> <p style="text-align: right;"><i>[Signature]</i> Principal BLP P.G. College Mhow</p> </div>				
Add : IGST @ 18.00 %						23,780.00
Less : Rounded Off (-)						4,280.40
Grand Total ₹						28,060.00
Tax Rate	Taxable Amt.	IGST Amt.	Total Tax			
18%	23,780.00	4,280.40	4,280.40			
Rupees Twenty Eight Thousand Sixty Only						
BANK DETAILS						
HDFC BANK 01312560003716 RTGS CODE: HDFC0000131 BRANCH: AMBALA CANTT						
Terms & Conditions E.& O.E. 1. Goods once sold will not be taken back. 2. Interest @ 18% p.a. will be charged if the payment is not made with in the stipulated time. 3. Subject to 'AMBALA' Jurisdiction only.			Receiver's Signature :			
			for ATMOS ENTERPRISE			



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2. Institutional strategies for mobilization and utilization of funds from government organization.

g) Endowment by RUSA Double Beam UV- Visible Spectrophotometer LT – 2203

SSTIN : 06AEHPK8987P1ZF		TAX INVOICE				Original Copy	
ATMOS ENTERPRISE 80 B , GOBIND NAGAR, AMBALA CANTT Tel. : 0171-4005048, 94164-64173 email : atmos_ambala@yahoo.com							
Invoice No. : 1507 Date of Invoice : 07-12-2020 Place of Supply : Madhya Pradesh (23) Reverse Charge : N GR/RR No. :				Transport : Train Vehicle No. : Station : DOC . THROUGH : DIRECT			
Billed to : TO, THE HIGHER EDUCATION OFFICER ON SPECIAL DUTY M.P. STATE PROJECT DIRECTORATE RUSA HIGHER EDUCATION DEPTT M.P BHOPAL GSTIN / UIN : 23BPLD01632B2DX				Shipped to : BHERULAI PATIDAR GOVT P G COLLEGE MHOW, CODE 2307 CONTRACT NO GEMC-511687734738173 DATE 24.9.20PR NO GEM/B/702598 GSTIN / UIN : 23BPLD01632B2DX			
S.N.	Description of Goods	HSN/SAC Code	Qty.	Unit	Price	Amount(₹)	
1.	DOUBLE BEAM UV-VISIBLE SPECTROPHOMETER LT-2203	90273020	2.00	Pcs.	2,58,220.00	5,16,440.00	
<div style="border: 1px solid black; padding: 5px;"> <p>Certified that the articles have been received, checked and entered in stock book No. <u>S Reg. D</u> page No. <u>11</u> forwarded for payment for Rs. <u>609400 = n</u> <u>Six Lakh Nine Thousand Four hundred only</u> <u>H.O.D.</u></p> </div>		<div style="border: 1px solid black; padding: 5px;"> <p>Passed for Payment Rs. <u>609400/-</u> in words: <u>Six Lakh Nine Thousand Four hundred only</u> <u>Principal</u> <u>BLP Govt. P.G. Collage, Mhow</u></p> </div>					
					Add : IGST @ 18.00 % Add : Rounded Off (+)		5,16,440.00 92,959.20 0.80
Grand Total ₹						6,09,400.00	
Tax Rate	Taxable Amt.	IGST Amt.	Total Tax				
18%	5,16,440.00	92,959.20	92,959.20				
Rupees Six Lakh Nine Thousand Four Hundred Only							
BANK DETAILS HDFC BANK 01312560003716 RTGS CODE: HDFC0000131 BRANCH: AMBALA CANTT							
Terms & Conditions E. & O.E. 1. Goods once sold will not be taken back. 2. Interest @ 18% p.a. will be charged if the payment is not made with in the stipulated time. 3. Subject to 'AMBALA' Jurisdiction only.				Receiver's Signature : <div style="text-align: right;"> for ATMOS ENTERPRISE For ATMOS ENTERPRISES Authorised Signatory </div>			



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2. Institutional strategies for mobilization and utilization of funds from government organization.

h) Endowment by RUSA Domestic Microwave Oven.

TAX INVOICE								
ADITYA TRADING 102, Shree Mahalaxmi Palace, 28-Snehlataganj, Indore Office- 0731-4215777, M.NO. 94253-12762 GSTIN/UIN: 23ABJFA1523A1ZB State Name : Madhya Pradesh, Code : 23				Invoice No. 724 Delivery Note 724 Supplier's Ref. 724		Dated 29-Dec-2020 Mode/Terms of Payment Other Reference(s)		
Consignee BHERULAL PATIDAR GOVT PG COLLEGE BHERULAL PATIDAR GOVT PG COLLEGE OLD AB ROAD DONGARGAON, MHOW (M.P.) 453441 COLLEGE CODE : 2307 GSTIN/UIN : 23BPLD01632B2DX State Name : Madhya Pradesh, Code : 23				Buyer's Order No. GEMC-51168772236331 Dispatch Document No. 724 Despatched through SELF Bill of Lading/LR-RR No. dt. 29-Dec-2020		Dated 14-Aug-2020 Delivery Note Date 29-Dec-2020 Destination DONGARGAON-INDORE Motor Vehicle No.		
Buyer (if other than consignee) OFFICER ON SPECIAL DUTY M.P. STATE PROJECT DIRECTORATE, RUSA, HIGHER EDUCATION DEPTT., 192 AVN TOEER RUSA OFFICE MEZZANINE FLOOR MP NAGAR ZONE 1 BHOPAL (M.P.) GSTIN/UIN : 23BPLD01632B2DX State Name : Madhya Pradesh, Code : 23 Place of Supply : Madhya Pradesh				Terms of Delivery DOOR DELIVERY				
Sl No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	per	Amount	
1	DOMESTIC MICROWAVE OVEN	8516	18 %	1.00 Nos.	9,725.42	Nos.	9,725.42	
							CGST 875.29 SGST 875.29	
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Certified that the articles have been received, checked and entered in stock book No. <u>S.Reg. page No. 13</u> forwarded for payment for Rs. <u>Eleven Thousand Four hundred Seventy six only</u>. H.O.D. </div>								
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> Passed for Payment Rs. <u>11,476.00</u> in words : <u>Eleven thousand four hundred seventy six only</u>. Principal BLP Govt. P.G. College, Mhow </div>								
Total							1.00 Nos.	₹ 11,476.00
Amount Chargeable (in words) INR Eleven Thousand Four Hundred Seventy Six Only E. & O.E								
HSN/SAC		Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount	
8516		9,725.42	9%	875.29	9%	875.29	1,750.58	
Total		9,725.42		875.29		875.29	1,750.58	
Tax Amount (in words) : INR One Thousand Seven Hundred Fifty and Fifty Eight paise Only								
Company's PAN : ABJFA1523A		Company's Bank Details Bank Name : HDFC BANK A/c No. : 50200027115699 Branch & IFS Code : TRADE HOUSE, INDORE & HDF50000036						
Declaration We declare that this invoice shows the actual price of the goods described and that all particulars are true and		 Authorised Signatory ADITYA TRADING INDORE						
SUBJECT TO INDORE JURISDICTION This is a Computer Generated Invoice								



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

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2. Institutional strategies for mobilization and utilization of funds from government organization.

i) Endowment by RUSA Variable Volume Single Channel Micropipette.

AARSON SCIENTIFIC WORKS											
9-10 KHOJKI PUR, P.O. INDUSTRIAL Estate,											
Tel: +91 9466214426, 0171-2699055											
GSTIN: 06CCVPS2254RIZJ											
TAX INVOICE											
INVOICE No: 861-44						Transport Mode: Speed Post					
Date: 05-12-2020						P.O.NO:-5116877-21432497					
Reverse Charge (Y/N):						N		P.O.Dt./06-Nov-2020			
State: HARYANA						Code					
TO						BUYER					
Name: THE PRINCIPAL						Name: Deptt. Of higher education					
Bherulal Patidar Govt P G College						Address: 192 AVN Tower,					
Code-2307 Mhow(M.P),Pin-453441						RUSA Office messanine floor					
9425089657						MP nagar, Zone 1					
GSTIN:						GSTIN :					
State: MP						Code		State:			Code
S. No.	Product Description	HSN Code	Qty	Rate	Amount	Disc out	Taxable value	IGST		Total	
								Rate	Amount		
1	Variable Volume Single Channel Micropipette	9027	1	1652.54	1652.54	0%	1653	18	297	1950.00	
Certified that the articles have been received, checked and entered in stock book No. <u>5 Reg</u> page no. <u>14</u> forwarded for payment for Rs. <u>1950.00</u> <u>one thousand nine hundred fifty only.</u> H.O.D.					Amount of Payment Rs. <u>1950/-</u> <u>in words: one thousand nine hundred fifty only.</u> Principal BLP Govt. P.G. College, Mhow						
Total					1652.54		1653		297.46	1950.00	
Total PERFORMA INVOICE amount in words											
Rs. One thousand nine hundred fifty only ONLY											
Bank Details											
Bank A/C: 355 55 74 74 40											
Bank IFSC: SBIN 000 8565, STATE BANK OF INDIA											
BRNACH : INDUSTRIAL ESTATE, AMBALA CANTT.											
						Total Amount before tax		1652.54			
						Add : IGST		297			
						TOTAL AMOUNT		1950			
						GST ON Revers charge		0			
						For AARSON SCIENTIFIC WORKS					
Common Seal						Prop.					



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2. Institutional strategies for mobilization and utilization of funds from government organization.

j) Endowment by RUSA Pathological Monocular Microscope GE- 40.

Unilab Microscope Mfg. Co. Pvt. Ltd.
 # 5409, Cross road No. 3, Ambala Cantt-133 001
 Tel: 0171-4008111, M: 09896422299, Email: unilabmicroscope@yahoo.com,
 GSTIN: 06AAACU2128C1ZX

Invoice No. 558 Dated : 29-11-2020

Project Director State Project Directorate (RUSA) Higher Education Department 2, AVN Tower, Mezzanine Floor, P Nagar, Zone 1, Bhopal (MP), India		Order No: GEMC-511687788329889 & 511687793439836 Customer's GSTIN. No: 23BPLD01632B2DX				
consignee: Bherulal Patidar Govt P G College, Mhow, Madhya Pradesh-453441, PIN: 475089657, Code: 2307		Despatched per: GR/RR No.:	Cargo Dated: Cases: 3			
Through: Direct						
No.	Description	Qty.	Unit	Price	Total	
1	Pathological Monocular Microscope GE-40	12	Each	3381.40	40577.00	
					40,577.00	
					IGST @ 18%	7,303.00
Final Total :					47,880.00	

Amount in Words : Rs. Forty Seven Thousand Eight Hundred Eighty Only.

Terms:
 1. All Disputes subject to Ambala Jurisdiction.
 2. Our responsibility ceases as the goods leave our premises.
 3. Bill not settled within 30 days will bear interest @24% p.a.

For Unilab Microscope Mfg. Co. Pvt. Ltd.
 Ambala Cantt
 Authorised Signatory

*Certified that the articles have been received, checked and entered in stock book No. S.P. Reg. page No. 15 forwarded for payment for Rs. 47880.00
 Forty seven thousand Eight hundred Eighty only
 H.O.D.*

*Passed for Payment Rs. 47880/-
 in words : Forty seven thousand eight hundred eighty only
 Principal
 BLP Govt. P.G. College, Mhow*



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

k) Endowment by RUSA Water Distillation Unit Double Still.

VIJAY SALES 2020-2021		Invoice No.		Dated	
B.O. L-20 Lalwani Tower . Hamidia Road Bhopal Madhya Pradesh - 462001, India GSTIN/UIN: 23AKXPM6777H1ZD State Name : Madhya Pradesh, Code : 23 Contact : 07592-490171,9425149806 E-Mail : vijaysalesvds@gmail.com Consignee		GOVT-450 Delivery Note		15-Dec-2020 Mode/Terms of Payment	
To, The Principal Bherulal Patidar Govt PG College Mhow, Dist Indore (M.P.), Madhya Pradesh, India GSTIN/UIN : 23BPLD01632B2DX PAN/IT No : State Name : Madhya Pradesh, Code : 23 Buyer (if other than consignee)		Supplier's Ref. GOVT-450 Buyer's Order No. EMS/001405/2020-2021 Despatch Document No.		Other Reference(s) Dated 2-Jul-2020 Delivery Note Date	
To, The Higher Education, Officer on Special Duty M.P. State Project, Directorate Rusa Higher Education, Deptt M.P. Bhopal GSTIN/UIN : 23BPLD01632B2DX PAN/IT No : State Name : Madhya Pradesh, Code : 23 Place of Supply : Madhya Pradesh		Despatched through		Destination	
		Terms of Delivery			

Sl No.	Description of Goods	HSN/SAC	Quantity		Rate	per	Disc. %	Amount
			Shipped	Billed				
1	Water Distillation Unit Double Still Capacity 4.0 Ltr / Hr Item No. 4523337	84198900	2 NOS	2 NOS	45,935.00	NOS		91,870.00
								8,268.30
								8,268.30
								0.40
								CGST
								SGST
								Round Off
								Total
			2 NOS	2 NOS				₹ 1,08,407.00

Amount Chargeable (in words) **INR One Lakh Eight Thousand Four Hundred Seven Only** E. & O.E

Taxable Value	Central Tax		State Tax		Total Tax Amount
	Rate	Amount	Rate	Amount	
91,870.00	9%	8,268.30	9%	8,268.30	16,536.60
Total:		8,268.30		8,268.30	16,536.60

Tax Amount (in words) : **INR Sixteen Thousand Five Hundred Thirty Six and Sixty paise Only**

Remarks: All Supplies As Per MPLUN Order & Specification

Declaration: We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
Bank Name : **HDFC BANK 544**
A/c No. : **04482560000544**
Branch & IFS Code : **VIDISHA & HDFC0000448**

for VIJAY SALES 2020-2021

Authorized Signatory

Certified that the articles have been received, checked and entered in stock book No. S.Reg. page No. 17 forwarded for payment for Rs. 108407.00 **One Lakh Eight Thousand Four hundred seven only**

[Signature]
H.O.D.

Passed for Payment Rs. 108407.00 in words : **one Lakh Eight Thousand Four hundred seven only**

[Signature]
Principal
BLP Govt. P.G. College



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

1) Endowment by RUSA Water Distillation Unit Single Still.

Tax Invoice(Page 2)

VIJAY SALES 2020-2021 H.O. - 419, Navneet Plaza, Greater Kailash Hospital Old Plasia, Indore B.O. L-20 Lalwani Tower, Hamidiya Road, Bhopal Madhya Pradesh - 462001, India GSTIN/UIN: 23AKXPM6777H1ZD State Name: Madhya Pradesh, Code: 23 Contact: 07592-490171, 9425149806 E-Mail: vijaysalesvds@gmail.com		Invoice No. GOVT-451 Delivery Note	Dated 15-Dec-2020 Mode/Terms of Payment
Consignee To, The Principal Bherulal Patidar Govt PG College Mhow, Dist Indore (M.P.), Madhya Pradesh, India GSTIN/UIN : 23BPLD01632B2DX PAN/IT No : State Name : Madhya Pradesh, Code : 23 Buyer (if other than consignee)		Supplier's Ref. GOVT-451 Buyer's Order No. EMS/001401/2020-2021 Despatch Document No.	Other Reference(s) Dated 2-Jul-2020 Delivery Note Date
Buyer (if other than consignee) To, The Higher Education, Officer on Special Duty M.P. State Project, Directorate Rusa Higher Education, Deptt M.P. Bhopal GSTIN/UIN : 23BPLD01632B2DX PAN/IT No : State Name : Madhya Pradesh, Code : 23 Place of Supply : Madhya Pradesh		Despatched through Destination	Terms of Delivery


Sl No.	Description of Goods	HSN/SAC	Quantity		Rate	per	Disc. %	Amount
			Shipped	Billed				
	Verified that the articles have been received, checked and entered in stock book No. <u>S.Reg. page No. 21</u> forwarded for payment for Rs. <u>8110.00</u> Eighty one Thousand one hundred Ten only <i>H.O.P.</i>		2 NOS	2 NOS				0.34
Total								₹ 81,110.00
Amount Chargeable (in words) INR Eighty One Thousand One Hundred Ten Only								E. & O.E
		Taxable Value	Central Tax		State Tax		Total	
		68,737.00	Rate	Amount	Rate	Amount	Tax Amount	
		Total: 68,737.00	9%	6,186.33	9%	6,186.33	12,372.66	
				6,186.33		6,186.33	12,372.66	


Tax Amount (in words) : **INR Twelve Thousand Three Hundred Seventy Two and Sixty Six paise Only**

Remarks:
All Supplies As Per MPLUN Order & Specification

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : HDFC BANK 544
 A/c No. : 04482560000544
 Branch & IFS Code : VIDISHA & HDFC0000448
 for VIJAY SALES 2020-2021

Authorized Signatory

 Principal
 BLP Govt. P.G. College, Mhow

Authorized Signatory




BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

m) Endowment by RUSA ULTRASONIC INTERFEROMETER AL-E 637.

GSTIN : 06AHPK8987P1ZF		Original Copy			
TAX INVOICE ATMOS ENTERPRISE 80 B , GOBIND NAGAR, AMBALA CANTT Tel. : 0171-4005048, 94164-64173 email : atmos_ambala@yahoo.com					
Invoice No. : 2610	Transport : COURIER	Dated : 09-05-2023	Vehicle No. :		
Place of Supply : Madhya Pradesh (23)	Station :	Reverse Charge : N	DOC . THROUGH :		
GR/RR No. :					
Billed to : TO, THE HIGHER EDUCATION OFFICER ON SPECIAL DUTY M.P. STATE PROJECT DIRECTORATE RUSA HIGHER EDUCATION DEPTT M.P BHOPAL GSTIN / UIN : 23BPLD01632B2DX		Shipped to : BHERULAL PATIDAR GOVT P G COLLEGE MHOW CONTRACT NO : GEMC-511687705473975 CODE 2307 GSTIN / UIN : 23BPLD01632B2DX			
S.N.	Description of Goods	HSN/ SAC Code	Qty. Unit	Price	Amount (₹)
1.	ULTRASONIC INTERFEROMETER AL-E637	90230010	1.00 Pcs.	41,525.00	41,525.00
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Certified that the articles have been received, checked and entered in stock book No. <u>S Reg. page No. 52</u> forwarded for payment for Rs. <u>49000/-</u> <u>Forty Nine Thousand only</u> H.O.D. </div>		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Passed for Payment Rs. <u>49000/-</u> in words : <u>Forty nine Thousand only</u> Principal RLP Govt. P.G. College, Mhow. </div>			
Add : IGST @ 18.00 % Add : Rounded Off (+)				41,525.00 7,474.50 0.50	
Grand Total ₹					49,000.00
Tax Rate	Taxable Amt.	IGST Amt.	Total Tax		
18%	41,525.00	7,474.50	7,474.50		
Rupees Forty Nine Thousand Only					
BANK DETAILS HDFC BANK 01312560003716 RTGS CODE: HDFC0000131 BRANCH: AMBALA CANTT					
Terms & Conditions E. & O. E. 1. Goods once sold will not be taken back. 2. Interest @ 18% p.a. will be charged if the payment is not made with in the stipulated time. 3. Subject to 'AMBALA' Jurisdiction only.			Receiver's Signature : <div style="text-align: center;"> For ATMOS ENTERPRISES Proprietor </div> <div style="text-align: right;"> for ATMOS ENTERPRISE Authorised Signatory </div>		



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

n) Endowment by RUSA Fresnel Biprism –R 4929.

TAX INVOICE											Original for Buyer				
(Rule 46, Section 31 of CGST Rules/Act 2017)											Duplicate for Transporter				
OSAW INDUSTRIAL PRODUCTS PVT. LTD											Triplicate for Supplier				
P.O BOX NO. 42, OSAW COMPLEX, JAGADHARI ROAD,											<input checked="" type="checkbox"/> Extra Copy				
AMBALA CANTT-133001, HARYANA (INDIA)															
STATE HARYANA, CODE-06															
TEL: +91-171-2699347 / 2699267															
Email: denquiry@indosaw.com / Web: www.indosaw.com															
CIN: U29100HR1992PTC031570, GSTIN: 06AAACO2804K2ZM, PAN: AAACO2804K															
UDYAM REGISTRATION NUMBER (MSME): UDYAM-HR-01-0000398															
Invoice No:	387										P.O No.	GEMC-511687756865299			
	387/2307/23-24										P.O Date	13-1-23			
Invoice Date	25-5-23										Date of Supply	25-5-23			
IRN	69d98fefa3f174e28b5a79dffff558fdb955ea51cf9fd40b00720193b3a26013														
Ack. No	132314965016029														
Eway Bill No.															
Whether Tax Payble Under Reverse Charge :	NO										Mode of Transport :	By Road			
Details of Receiver (Billed to)											Place OF Supply:				
State Project Director, MP Higher Education Quality Improvement Project (MPHEQIP)											Madhya Pradesh				
192 AVN Tower RUSA Office,											Details of Consignee (Shipped to)				
zzanine Floor MP Nagar Zone 1, Bhopal, Madhya Pradesh											THE PRINCIPAL				
Mob: 9425185315											Bherulal Patidar Govt P G College, Mhow				
GSTIN: 23BPLD01632B2DX											Old A. B. Road Dongargaon, Dr. Ambedkar Nagar, MHOW, Indore- 453441				
State : Madhya Pradesh											GSTIN: URP				
State Code : 23											State : Madhya Pradesh				
											State Code : 23				
S.No	Description of Goods	HSN Code	Qty	No. of Packages	Rate	Total	Discount	Taxable value	CGST	SGST	IGST				
1	Fresnel Biprism -R4929	90275090	2	1	3,215.25	6,430.50		6,430.50			18%	1,157.49			
Hologram Sticker Number: (1170-1171)															
<p>Certified that the articles have been received, checked and entered in stock book No...S.P.E... page No...52...forwarded for payment for Rs. Seven thousand Five hundred Eight Eight</p> <p>H.O.D.</p>											<p>Passed for payment Rs. 7500/- in words: Seven thousand five hundred eighty eight only</p> <p>Principal</p> <p>BLP Govt. P.G. College, M...</p>				
								6,430.50				1,157.49			
								Total				7,587.99			
Invoice Total (In Words) : Rs. Seven Thousand Five Hundred Eighty Eight Only								Round Off				0.01			
								Invoice Total				7,588.00			
Goods are insured against transit loss/Damages by The New India Assurance Co. Ltd, Policy No. 35350121220200000014. Please lodge the claim within 24 Hours after receipt of material. In case of delay in lodging claim, we will not responsible for Loss Damages occurred during transition and it will borne by Consignee.															
Terms and Conditions											For OSAW INDUSTRIAL PRODUCTS PVT. LTD				
1. Claim for Breakage or any such discrepancy should be made within a WEEK, else goods will be considered as received correct											<p>Authorised Signatory</p>				
2. For bills unpaid for a month, interest @24% p.a will be charged.															
3. All payment must be made direct to the firm at Ambala Cantt only and not to any of Our representatives. The Firm will not be responsible for any payments made to anybody else. Transaction will be considered subject to Jurisdiction.															
4. Our Bank detail, Bank of India, C.C Account Number 671030100004129, 172, S.B. Road, Ambala Cantt-133001(Haryana) ; MICR No. 133013001 , IFSC: BKID0006710 . Also confirm us on our Email finance@indosaw.com after payment.															
5. Our Company is register with UDYAM (MSME) UNDER REGISTRATION NUMBER: UDYAM-HR-01-0000398.															



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

o) Endowment by RUSA OPTICAL BENCH WITH RAIL TYPE COP.

TAX INVOICE										Original for Buyer									
(Rule 46, Section 31 of CGST Rules/Act 2017)										Duplicate for Transporter									
OSAW INDUSTRIAL PRODUCTS PVT. LTD										Triplicate for Supplier									
P.O BOX NO. 42, OSAW COMPLEX, JAGADHARI ROAD,										<input checked="" type="checkbox"/> Extra Copy									
AMBALA CANTT-133001, HARYANA (INDIA)																			
STATE HARYANA, CODE-06																			
TEL: +91-171-2699347 / 2699267																			
Email: denquiry@indosaw.com / Web: www.indosaw.com																			
CIN: U29100HR1992PTC031570, GSTIN: 06AAACO2804K2ZM, PAN: AAACO2804K																			
UDYAM REGISTRATION NUMBER (MSME): UDYAM-HR-01-0000398																			
Invoice No:	388	P.O No.	GEMC-511687731341582																
Invoice Date	25-5-23	P.O Date	13-1-23																
IRN : 6F52afbd227e14a0fbc58576bd2fca18d97592580622903e25a6dded2b40b738		Date of Supply	25-5-23																
Ack. No : 132314965046695		Mode of Transport :	By Road																
Eway Bill No.		Place OF Supply:	Madhya Pradesh																
Whether Tax Payble Under Reverse Charge :	NO	Details of Receiver (Billed to)									Details of Consignee (Shipped to)								
State Project Director, MP Higher Education Quality Improvement Project (MPHEQIP)										THE PRINCIPAL									
192 AVN Tower RUSA Office,										Bherulal Patidar Govt P G College, Mhow									
Mezzanine Floor MP Nagar Zone 1, Bhopal-462011, Madhya Pradesh										Old A. B. Road Dongargaon, Dr. Ambedkar Nagar, MHOW, Indore- 453441									
b: 9425185315										GSTIN: URP									
GSTIN: 23BPLD01632B2DX										State : Madhya Pradesh									
State : Madhya Pradesh										State Code : 23									
State Code : 23																			
S.No	Description of Goods	HSN Code	Qty	No. of Packages	Rate	Total	Discount	Taxable value	CGST Rate	CGST Amount	SGST Rate	SGST Amount	IGST Rate	IGST Amount					
1	Optical Bench with Rail Type (Optical Bench for Laboratory)	90275090	1	2	13,062.71	13,062.71		13,062.71					18%	2,351.29					
Hologram Sticker Number: 1047																			
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Certified that the articles have been received, checked and entered in stock book No. <u>5 Res</u> page No. <u>54</u> forwarded for payment for Rs. <u>Fifteen thousand four hundred fourteen only</u></p> <p style="text-align: right;">H.O.D.</p> </div>																			
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin-left: auto;"> <p>Passed for payment Rs. <u>15,414</u> in words: <u>Fifteen Thousand</u></p> <p style="text-align: right;">Principal BLP Govt. P.G. College, Mhow</p> </div>																			
								13,062.71						2,351.29					
Invoice Total (In Words) : Rs. Fifteen Thousand Four Hundred Forteen Only										Total		15,414.00							
										Round Off									
										Invoice Total		15,414.00							
<p>Goods are insured against transit loss/Damages by The New India Assurance Co. Ltd, Policy No. 35350121220200000014. Please lodge the claim within 24 Hours after receipt of material. In case of delay in lodging claim, we will not responsible for Loss Damages occurred during transition and it will borne by Consignee.</p> <p>Terms and Conditions</p> <ol style="list-style-type: none"> 1. Claim for Breakage or any such discrepancy should be made within a WEEK, else goods will be considered as received correct 2. For bills unpaid for a month, interest @24% p.a will be charged. 3. All payment must be made direct to the firm at Ambala Cantt only and not to any of Our representatives. The Firm will not be responsible for any payments made to anybody else. Transaction will be considered subject to Jurisdiction. 4. Our Bank detail, Bank of India, C.C Account Number 671030100004129, 172, S.B. Road, Ambala Cantt-133001(Haryana) . MICR No. 133013001 . IFSC: BKID0006710 . Also confirm us on our Email 																			
										<p>For OSAW INDUSTRIAL PRODUCTS PVT. LTD</p>									



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW


E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

p) Endowment by RUSA Fresnel Biprism Diffraction Apparatus.

TAX INVOICE											Original for Buyer			
(Rule 46, Section 31 of CGST Rules/Act 2017)											Duplicate for Transporter			
OSAW INDUSTRIAL PRODUCTS PVT. LTD											TriPLICATE for Supplier			
P.O BOX NO. 42, OSAW COMPLEX, JAGADHARI ROAD,											<input checked="" type="checkbox"/> Extra Copy			
AMBALA CANTT-133001, HARYANA (INDIA)														
STATE HARYANA, CODE-06														
TEL: +91-171-2699347 / 2699267														
Email: denquiry@indosaw.com / Web: www.indosaw.com														
CIN: U29100HR1992PTC031570, GSTIN: 06AAACO2804K2ZM, PAN: AAACO2804K														
UDYAM REGISTRATION NUMBER (MSME): UDYAM-HR-01-0000398														
Invoice No:	386	P.O No.	GEMC-511687798658052											
Invoice Date	386/2307/23-24	P.O Date	13-1-23											
IRN	d46784838d9cd84eacb55e562fb5881ae38607699afbc03c2072750de19c76c2	Date of Supply	25-5-23											
Ack. No	132314964979253	Mode of Transport	By Road											
Eway Bill No.		Place Of Supply	Madhya Pradesh											
Whether Tax Payble Under Reverse Charge	NO	Details of Receiver (Billed to)	State Project Director, MP Higher Education Quality Improvement Project (MPHEQIP) 192 AVN Tower RUSA Office, Mazzanine Floor MP Nagar Zone 1, Bhopal, Madhya Pradesh Phone: 9425185315 GSTIN: 23BPLD01632B2DX State: Madhya Pradesh State Code: 23	Details of Consignee (Shipped to) THE PRINCIPAL Bherulal Patidar Govt P G College, Mhow Old A. B. Road Dongargaon, Dr. Ambedkar Nagar, MHOW, Indore- 453441 GSTIN: URP State: Madhya Pradesh State Code: 23										
S.No	Description of Goods	HSN Code	Qty	No. of Packages	Rate	Total	Discount	Taxable value	CGST Rate	CGST Amount	SGST Rate	SGST Amount	IGST Rate	IGST Amount
1	Fresnel Biprism Diffraction Apparatus -SK005	90275090	1	3	23,808.47	23,808.47		23,808.47					18%	4,285.52
Hologram Sticker Number: 1282														
<div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Certified that the articles have been received, checked and entered in stock book No. S.R.E. page No. 55 forwarded for payment for Rs. Twenty Eight thousand Ninety Four only</p> <p style="text-align: right;">H.O.D.</p> </div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-top: 10px;"> <p>Passed for Rs. 28094/- in words: Twenty eight thousand Ninety four only</p> <p style="text-align: right;">Principal</p> <p>* BLP Govt. P.G. College, Mhow.</p> </div>														
Invoice Total (In Words) : Rs. Twenty Eight Thousand Ninety Four Only											Total		28,093.99	
											Round Off		0.01	
											Invoice Total		28,094.00	
Goods are insured against transit loss/Damages by The New India Assurance Co. Ltd, Policy No. 35350121220200000014. Please lodge the claim within 24 Hours after receipt of material. In case of delay in lodging claim, we will not responsible for Loss Damages occurred during transition and it will borne by Consignee.											For OSAW INDUSTRIAL PRODUCTS PVT. LTD			
Terms and Conditions 1. Claim for Breakage or any such discrepancy should be made within a WEEK, else goods will be considered as received correct 2. For bills unpaid for a month, interest @24% p.a will be charged. 3. All payment must be made direct to the firm at Ambala Cantt only and not to any of Our representatives. The Firm will not be responsible for any payments made to anybody else. Transaction will be considered subject to Jurisdiction. 4. Our Bank detail, Bank of India, C.C Account Number 671030100004129, 172, S.B. Road, Ambala Cantt-133001(Haryana) . MICR No. 133013001 , IFSC: BKID0006710 . Also confirm us on our Email finance@indosaw.com after payment. 5. Our Company is register with UDYAM (MSME) UNDER REGISTRATION NUMBER: UDYAM-HR-01-0000398.														



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

q) Endowment by RUSA Measurement of Wave Length of He- Ne Laser Using Ruler.

TAX INVOICE															
(Rule 46, Section 31 of CGST Rules/Act 2017)															
OSAW INDUSTRIAL PRODUCTS PVT. LTD															
P.O BOX NO. 42, OSAW COMPLEX, JAGADHARI ROAD, AMBALA CANTT-133001, HARYANA (INDIA) STATE HARYANA, CODE-06 TEL: +91-171-2699347 / 2699267 Email: denquiry@indosaw.com / Web: www.indosaw.com CIN: U29100HR1992PTCD31570, GSTIN: 06AAACO2804K2ZM, PAN: AAACO2804K UDYAM REGISTRATION NUMBER (MSME): UDYAM-HR-01-0000398							Original for Buyer Duplicate for Transporter Triplicate for Supplier <input checked="" type="checkbox"/> Extra Copy								
Invoice No: 385 385/2307/23-24	P.O No. GEMC-511687740889571		P.O Date 13-1-23												
Invoice Date 25-5-23	Date of Supply 25-5-23														
IRN : 9eb10eb90a06679717dc574f32e44fcd780be52402fd5ae06da062782e49bc	Mode of Transport : By Road		Place OF Supply: Madhya Pradesh												
Ack. No : 132314964946723	Details of Receiver (Billed to)		Details of Consignee (Shipped to)												
Way Bill No.	State Project Director, MP Higher Education Quality Improvement Project (MPHEQIP) 192 AVN Tower RUSA Office, Mezzanine Floor MP Nagar Zone 1, Bhopal, Madhya Pradesh Phone: 9425185315 PIN: 23BPLD01632B2DX State : Madhya Pradesh State Code : 23		THE PRINCIPAL Bherulal Patidar Govt P G College, Mhow Old A. B. Road Dongargaon, Dr. Ambedkar Nagar, MHOW, Indore- 453441 GSTIN: URP State : Madhya Pradesh State Code : 23												
Whether Tax Payable Under Reverse Charge : NO															
S.No	Description of Goods	HSN Code	Qty	No. of Packages	Rate	Total	Discount	Taxable value	CGST Rate	CGST Amount	SGST Rate	SGST Amount	IGST Rate	IGST Amount	
1	Measurement of wave length of He-Ne Laser Using ruler with Laser Complete Setup-SK027 Hologram Sticker Number: 1359	90275090	1	2	39,377.97	39,377.97		39,377.97					18%	7,088.03	
<p style="border: 1px solid black; padding: 5px;">Certified that the articles have been received, checked and entered in stock book No. S.R. Res. page No. 56 forwarded for payment for Rs. Forty six thousand four hundred sixty six</p> <p style="text-align: right;"><i>[Signature]</i> H.O.</p>											<p style="text-align: center;">Passed for Payment Rs. 46,466.00 in words: Forty Six Thousand four hundred Sixty Six <i>[Signature]</i> Principal BLP Govt. P.G. College, Mhow</p>				
Invoice Total (In Words) : Rs. Forty Six Thousand Four Hundred Sixty Six Only								Total				46,466.00			
								Round Off							
								Invoice Total				46,466.00			
<p>Goods are insured against transit loss/Damages by The New India Assurance Co. Ltd, Policy No. 35350121220200000014. Please lodge the claim within 24 Hours after receipt of material. In case of delay in lodging claim, we will not responsible for Loss Damages occurred during transition and it will borne by Consignee.</p> <p>Terms and Conditions</p> <ol style="list-style-type: none"> 1. Claim for Breakage or any such discrepancy should be made within a WEEK, else goods will be considered as received correct 2. For bills unpaid for a month, interest @24% p.a will be charged. 3. All payment must be made direct to the firm at Ambala Cantt only and not to any of Our representatives. The Firm will not be responsible for any payments made to anybody else. Transaction will be considered subject to Jurisdiction. 4. Our Bank detail, Bank of India, C.C Account Number 671030100004129, 172, S.B. Road, Ambala Cantt-133001(Haryana) . MICR No. 133013001 , IFSC: BKID0006710 . Also confirm us on our Email finance@indosaw.com after payment. 5. Our Company is register with UDYAM (MSME) UNDER REGISTRATION NUMBER: UDYAM-HR-01-0000398. 											<p>For OSAW INDUSTRIAL PRODUCTS PVT. LTD</p> <p style="text-align: center;"><i>[Circular Stamp]</i> P.O. Box No. 42 Osaw Complex Jagadhari Road Ambala Cantt-133001</p> <p style="text-align: right;"><i>[Signature]</i> Authorised Signatory</p>				



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



2. Institutional strategies for mobilization and utilization of funds from government organization.

r) Endowment by RUSA Michelson interferometer Apparatus.

TAX INVOICE											Original for Buyer				
(Rule 46, Section 31 of CGST Rules/Act 2017)											Duplicate for Transporter				
OSAW INDUSTRIAL PRODUCTS PVT. LTD											Triplicate for Supplier				
P.O BOX NO. 42, OSAW COMPLEX, JAGADHARI ROAD,											<input checked="" type="checkbox"/> Extra Copy				
AMBALA CANTT-133001, HARYANA (INDIA)															
STATE HARYANA, CODE-06															
TEL: +91-171-2699347 / 2699267															
Email: denquiry@indosaw.com / Web: www.indosaw.com															
CIN: U29100HR1992PTC031570, GSTIN: 06AAACO2804K2ZM, PAN: AAACO2804K															
UDYAM REGISTRATION NUMBER (MSME): UDYAM-HR-01-0000398															
Invoice No:	384	P.O No.	GEMC-51168777963277												
	384/2307/23-24	P.O Date	13/01/23												
Invoice Date	25-5-23	Date of Supply	25/05/23												
IRN : 6f499d2c1ebf623cfa840eab96829c0b59c67d50cb5f827beb462c635f15eb9		Mode of Transport :	By Road												
Ack. No : 132314964920646		Place Of Supply:	Madhya Pradesh												
Eway Bill No.															
Whether Tax Payble Under Reverse Charge :	NO														
Details of Receiver (Billed to)					Details of Consignee (Shipped to)										
State Project Director, MP Higher Education Quality Improvement Project (MPHEQIP)					THE PRINCIPAL										
192 AVN Tower RUSA Office,					Bherulal Patidar Govt P G College, Mhow										
Mezzanine Floor MP Nagar Zone 1, Bhopal, Madhya Pradesh					Old A. B. Road Dongargaon, Dr. Ambedkar Nagar, MHOW, Indore- 453441										
:b: 9425185315					GSTIN: URP										
GSTIN: 23BPLD01632B2DX					State : Madhya Pradesh										
State : Madhya Pradesh					State Code : 23										
State Code : 23															
S.No	Description of Goods	HSN Code	Qty	No. of Packages	Rate	Total	Discount	Taxable value	CGST Rate	CGST Amount	SGST Rate	SGST Amount	IGST Rate	IGST Amount	
1	Michelson Interferometer Apparatus (Complete Assembly)-SK025	90275090	1	2	45,865.25	45,865.25		45,865.25					18%	8,255.75	
Hologram Sticker Number: 1405															
<p>Certified that the articles have been received, checked and entered in stock book No...S.D... page No...51...forwarded for payment for Rs. Fifty four thousand one hundred twenty one</p> <p>H.O.D.</p>															
<p>Passed for P... Rs. 54,121/- in words : Fifty four thousand one hundred twenty one only</p> <p>Principal BLP Govt. P.G. College, Mhow</p>															
								45,865.25						8,255.75	
Invoice Total (In Words) : Rs. Fifty Four Thousand One Hundred Twenty One Only											Total				54,121.00
											Round Off				
											Invoice Total				54,121.00
Goods are insured against transit loss/Damages by The New India Assurance Co. Ltd, Policy No. 35350121220200000014. Please lodge the claim within 24 Hours after receipt of material. In case of delay in lodging claim, we will not responsible for Loss Damages occurred during transition and it will borne by Consignee.											For OSAW INDUSTRIAL PRODUCTS PVT. LTD				
Terms and Conditions											<p>Authorised Signatory</p>				
1. Claim for Breakage or any such discrepancy should be made within a WEEK, else goods will be considered as received correct															
2. For bills unpaid for a month, interest @24% p.a will be charged.															
3. All payment must be made direct to the firm at Ambala Cantt only and not to any of Our representatives. The Firm will not be responsible for any payments made to anybody else. Transaction will be considered subject to Jurisdiction.															
4. Our Bank detail, Bank of India, C.C Account Number 671030100004129, 172, S.B. Road, Ambala Cantt-133001(Haryana) . MICR No. 133013001 , IFSC: BKID0006710 . Also confirm us on our Email finance@indosaw.com after payment.															
5. Our Company is register with UDYAM (MSME) UNDER REGISTRATION NUMBER: UDYAM-HR-01-0000398.															



2. Institutional strategies for mobilization and utilization of funds from government organization.

2.2.1 List depicting utilization of various science lab instrument procured through funds from government organization (page 1)

Bherulal Patidar Govt. P.G. College, MHOW

Date: 04.04.2023

This is certified that following list depicts the **utilization** of various instruments during the sessions 2022-2023 and 2021-2022 procured through **RUSA-World Bank** as part of regular curriculum-based practical work at **undergraduate level** in the departments of **Botany, Biotechnology, Chemistry, and Physics.**

Instrument	Department	Purpose/Usage	Frequency
Magnetic Stirrer with Hot Plate	Chemistry	Mixing and heating solutions during practicals (e.g., titrations, sample prep).	Weekly during practical sessions.
	Biotechnology	Preparing culture media and solutions.	Bi-weekly practicals.
Centrifuge	Biotechnology	Separation of cellular components (e.g., DNA/RNA isolation).	Weekly.
	Botany	Separation of plant cell extracts for biochemical studies.	Weekly.
pH Meter Microprocessor-Based UT-10	Chemistry	Measuring the pH of chemical solutions during titrations and research work.	Daily during lab work.
	Biotechnology	pH adjustment of culture media and buffer solutions.	Weekly.
Domestic Microwave Oven	Chemistry	Heating and synthesis of organic compounds.	Monthly.
	Biotechnology	Heat treatment of samples or sterilization of small items.	Occasionally (as needed).
Variable Volume Single Channel Micropipette	Biotechnology	Accurate handling of small liquid volumes (e.g., enzyme assays).	Weekly.
	Botany	Pipetting plant extract solutions for experiments.	Weekly.
Pathological Monocular Microscope GE-40	Biotechnology	Observing microbial cultures and biological specimens.	Weekly.
Water Distillation Unit Double Still	Chemistry	Preparation of distilled water for chemical experiments.	Daily.
Ultrasonic Interferometer AL-E 637	Physics	Study of ultrasonic waves and their properties in liquids.	Monthly practicals.
RUSA Fresnel Biprism – R 4929	Physics	Demonstrating interference of light using Fresnel biprism.	Weekly during optics experiments.
Optical Bench with Rail Type COP	Physics	Studying image formation and focal lengths of lenses and mirrors.	Weekly during practicals.
Fresnel Biprism Diffraction Apparatus	Physics	Observing diffraction patterns and measuring wavelengths.	Weekly during optics sessions.



2. Institutional strategies for mobilization and utilization of funds from government organization.

2.2.1 List depicting utilization of various science lab instrument procured through funds from government organization (page 2)

Instrument	Department	Purpose/Usage	Frequency
Michelson Interferometer Apparatus	Physics	Interference pattern generation for wavelength and refractive index studies.	Monthly during advanced practicals.

These experiments aim to provide students with hands-on experience using advanced laboratory equipment, foster critical thinking, and bridge the gap between theoretical knowledge and practical applications.

Sufficient precautionary measures ensure the safety of students and staff while promoting effective and responsible laboratory practices during the handling of these instruments.

Heads of the Science Departments:

- Chemistry: Dr. Archana Jain

De-2
H.O.D. Chemistry
B.L.P. Govt. P.G. College
Mhow (M.P.)

- Biotechnology: Dr. Rajendra Kochale

gjo
HEAD
Biotechnology Department
B. L. P. Govt P. G. College
Dr. Ambedkar Nagar (Mhow)

- Botany: Dr. Maneesha Dandwate

M
विभागाध्यक्ष वनस्पति शास्त्र
भेरुलाल पाटीदार शासकीय स्नातकोत्तर
अडंबेकर नगर, महु

- Physics: Dr. Manoj Nagar

Manoj
Head of Department
Physics and Electronic Department
BLP Govt. Post Graduate College
Dr. Ambedkar Nagar, Mhow (M.P.)



3. Institutional strategies for mobilization and utilization of funds from non-government organization.

3.1 Funds (amount of Rs.5, 00,000) donated by Mr Harish Gandhi (Alumnus)
Scanned Copy of Passbook Front Page.

The image shows a scanned copy of a Syndicate Bank passbook front page. The bank's logo and name 'Syndicate Bank' are at the top. Below it, the branch name and address are listed: 'MHOW, 33A SIMROLE ROAD, OPP DREAMLAND TALKIES, MHOW - 453441'. There are fields for MICR No., Tel. No., Fax, E-mail, and FSC No. A 'Business Hours' section is also present. The account holder's details are filled in: Name 'GOVT STUDENT ASSOCIATION', Address 'GOVT HOSTEL GRADUATE, MHOW', Date of Birth, A/c No., and PAN. The account was opened on a specific date, and the nomination registration number and date are also recorded. A signature and stamp are visible at the bottom right.



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



3. Institutional strategies for mobilization and utilization of funds from non-government organization.

3.1 Funds (amount of Rs.5, 00,000) donated by Mr Harish Gandhi (Alumnus) Account Statement of Amount Credit (Rs. 5, 00,000)

तारीख Date	विवरण Particulars	चेक सं. Cheque No.	आहरित रकम Withdrawals	जमा Deposits	शेष Balance
	78022200045190				
	Balance B/F				221235.80
26/08/2022	RTGS Cr-PUNBR52022082	22082615	150000.00	500000.00	721235.80
19/09/2022	675910500-PUNB0350200 -HARISH CHANDRA GANDH		300.00		720935.80
19/09/2022	AUS CHANGE IN CORPORA TE ACCOUNTS		295.00		720640.80
19/09/2022	AUS CHANGE IN CORPORA TE ACCOUNTS		295.00		720345.80
20/09/2022	TD Paym CASA Xref 14 005749-443-OLD STUDEN T ASSOCIAT		500000.00		220345.80
24/09/2022	SMS ALERT CHARGES NEW		18.00		220327.80
01/11/2022	SBINT FOR THE PERIOD FROM01-AUG-22 TO 31-O CT-22			2103.00	222730.80
01/02/2023	SBINT FOR THE PERIOD			1123.00	223853.80
30/04/2023	AN-23 SBINT FOR THE PERIOD FROM01-FEB-23 TO 30-A PR-23			1094.00	224947.80
16/05/2023	FD Redeem Principal - 14005749443/1 - OLD STUDENT ASSOCIATION - DOM 20-Sep-2027			500000.00	724947.80
16/05/2023	FD Redeem Interest -1 4005749443/1 - OLD S TUDENT ASSOCIATION DOM 20-Sep-2027			12089.00	737036.80
19/05/2023	Service Charges for m obile no./email id/ a dress updation dt 19 -MAY-23		59.00		736977.80
					736977.80



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

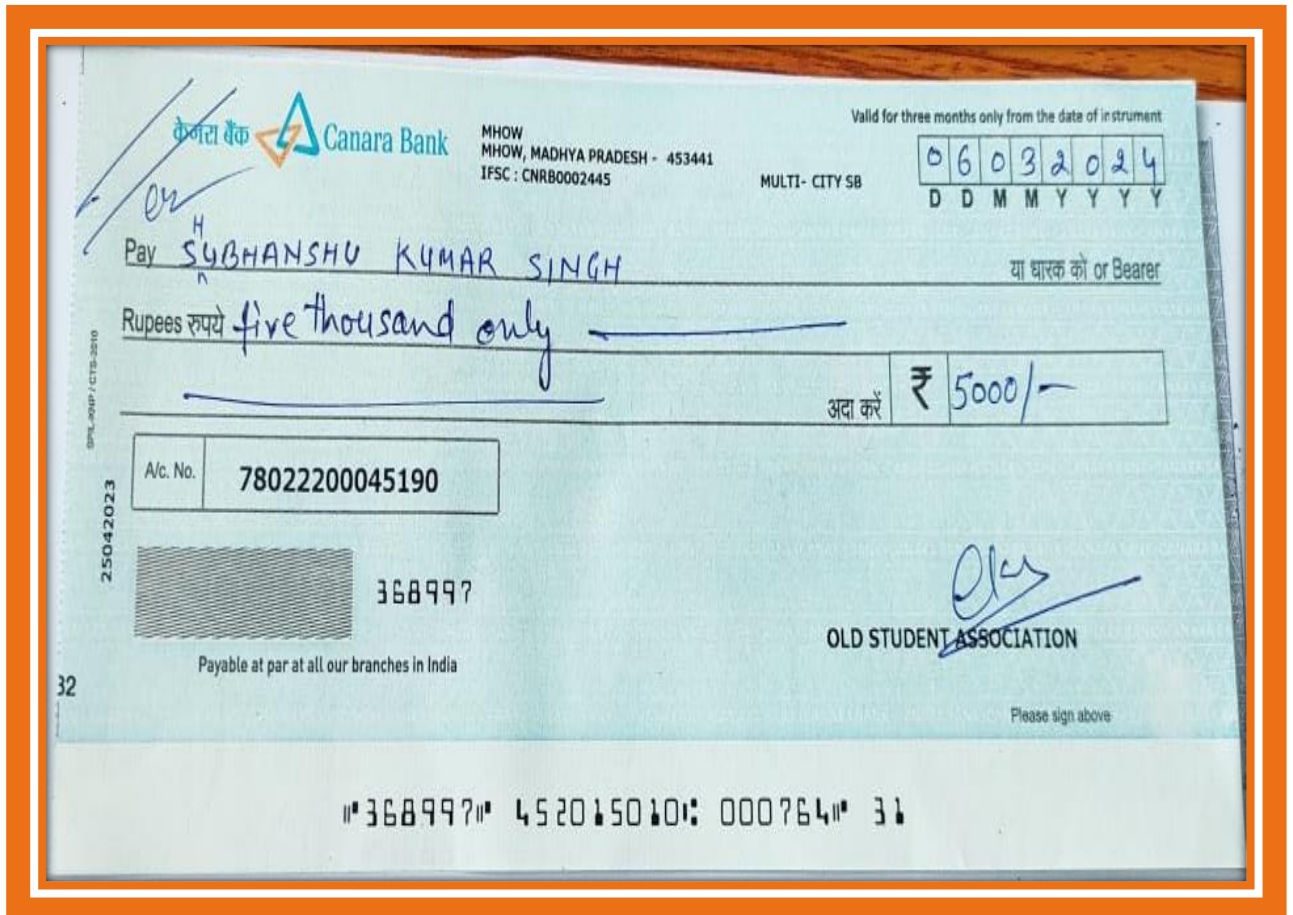
E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



3. Institutional strategies for mobilization and utilization of funds from non-government organization.

3.2 Mobilization of Funds Received Vigyan Protsahan Puraskar to College Student Shubhanshu Kumar Singh.





BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

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Website: <https://blpgovtpgcollegemhow.ac.in/>



3. Institutional strategies for mobilization and utilization of funds from non-government organization.

3.2 Mobilization of Funds Received Vigyan Protsahan Puraskar to College Student Muskan Bee Noori

केनरा बँक Canara Bank

MHOW
MHOW, MADHYA PRADESH - 453441
IFSC : CNRB0002445

Valid for three months only from the date of instrument

MULTI- CITY SB

04032024
D D M M Y Y Y Y

Pay MusKAN bee Noori या धारक को or Bearer

Rupees रुपये five thousand only

अदा करें ₹ 5000/-

A/c. No. 78022200045190

368996

Payable at par at all our branches in India

1832

OLD STUDENT ASSOCIATION

Please sign above

25042023

368996 4520150101 000764 31



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



3. Institutional strategies for mobilization and utilization of funds from non-government organization.

3.3 Account Statement of Amount Debit Rs. 5000/- Dated 13.03.2024

तारीख Date	विवरण Particulars	चेक सं Cheque No.	आहरित रकम Withdrawals	जमा Deposits	शेष Balance
	78022200045190				109618.80
	Balance B/F				109070.80
19/02/2024	TDS @20 130022745869	97863017	548.00		
19/02/2024	GROSS INT CR: 130022 745869 /2	97863017		9137.00	116207.80
19/03/2024	TDS @20 130022745868	97863017	1828.00		116379.80
08/03/2024	Chq Paid-MICR Inward Clearing-Muskan Bee Noori-CENTRAL BANK O F INDIA (CBI)-CENTRAL BANK OF INDIA	64368896	5000.00		111379.80
13/03/2024	Chq Paid-MICR Inward Clearing-SHUBHANSHU K UMAR SINGH-STATE BANK OF INDIA (SBI)-STATE BANK OF INDIA	64368997	5000.00		106379.80
	BASIS		1.00		106379.80



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

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3. Institutional strategies for mobilization and utilization of funds from non-government organization.

3.3 Account Statement of Amount Debit Rs. 5000/- Dated 08.03.2024

तारीख Date	विवरण Particulars	चेक सं. Cheque No.	आहरित रकम Withdrawals	जमा Deposits	शेष Balance
	78022200045190				109618.80
	Balance B/F				109070.80
19/02/2024	TDS @20.130022745869	97863017	548.00		118207.80
19/02/2024	GROSS INT CR : 130022 745869 /2	97863017		9137.00	118207.80
19/02/2024	TDS @20.130022745869	97863017	1828.00		116379.80
08/03/2024	Chq Paid-MICR Inward Clearing-Muskan Bee Noori-CENTRAL BANK O F INDIA (CBI)-CENTRAL BANK OF INDIA	64368896	5000.00		111379.80
13/03/2024	Chq Paid-MICR Inward Clearing-SHUBHANSHU K UMAR SINGH-STATE BANK OF INDIA (SBI)-STATE BANK OF INDIA	64368897	5000.00		106379.80
	BASIS		1.00		106379.80



4.1 Conduction of financial audits (internal and external)

4.1.1 Conduction of internal financial audit for the Session 2020-2021 (Page 1)

CA SOM SINGHAL
M.com., FCA

CA

Singhal Sanklecha & co.
Chartered Accountants

INDEPENDENT AUDITOR'S REPORT

To,
The Principal
Bherulal Patidar Government PG College, Mhow

REPORT ON THE COLLEGE FINANCIAL STATEMENTS
We have audited the accompanying statement of Receipts & Payments of Government Fund, Personal Deposit Fund & N.S.S. Fund of Bherulal Patidar Government PG College, Mhow (M.P) for the year ended on 31 March, 2021 taking into consideration the significant Accounting Policies adopted by the College. The financial statements have been prepared by management using the Cash Basis of Accounting.

MANAGEMENT RESPONSIBILITY FOR THE FINANCIAL STATEMENTS
Management is responsible for the preparation and fair presentation of these financial statements in accordance with Cash Basis of accounting. This includes determining whether the basis of accounting is an acceptable basis for the preparation of the financial statements in the circumstances, and the implementation and maintenance of internal control relevant to the preparation and fair presentation of these financial statements that is free from material misstatement arising due to fraud or error.

AUDITOR'S RESPONSIBILITY
Our responsibility is to express an opinion on the financial statement based on our audit. We conduct our audit in accordance with the Standards on Auditing issued by the Institute of Chartered Accountant of India (ICAI). Those Standards on Auditing require that we comply with the ethical requirements and plan and perform the audit to obtain reasonable assurance about whether financial statements are free from material misstatement.
An audit involves performing procedures to obtain audit evidence about the amount and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risk of material misstatements of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statement in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of the accounting estimates, if any, made by management, as well as evaluating the overall presentation of the financial statement.

We believe that the audit evidence we have obtained is sufficient and appropriate (subject to certain qualifications as mentioned in Annexure to the Auditor's Report) to provide report to Bherulal Patidar Government PG College, Mhow.

For M/s SINGHAL SANKLECHA & CO.
Chartered Accountants

(CA Somdutt Singhal)
(PARTNER)
M. No. 078543
FRN: 02768C
Place: Indore
Dated: 18/01/2022
UDIN: 22078543AAAAAG8742

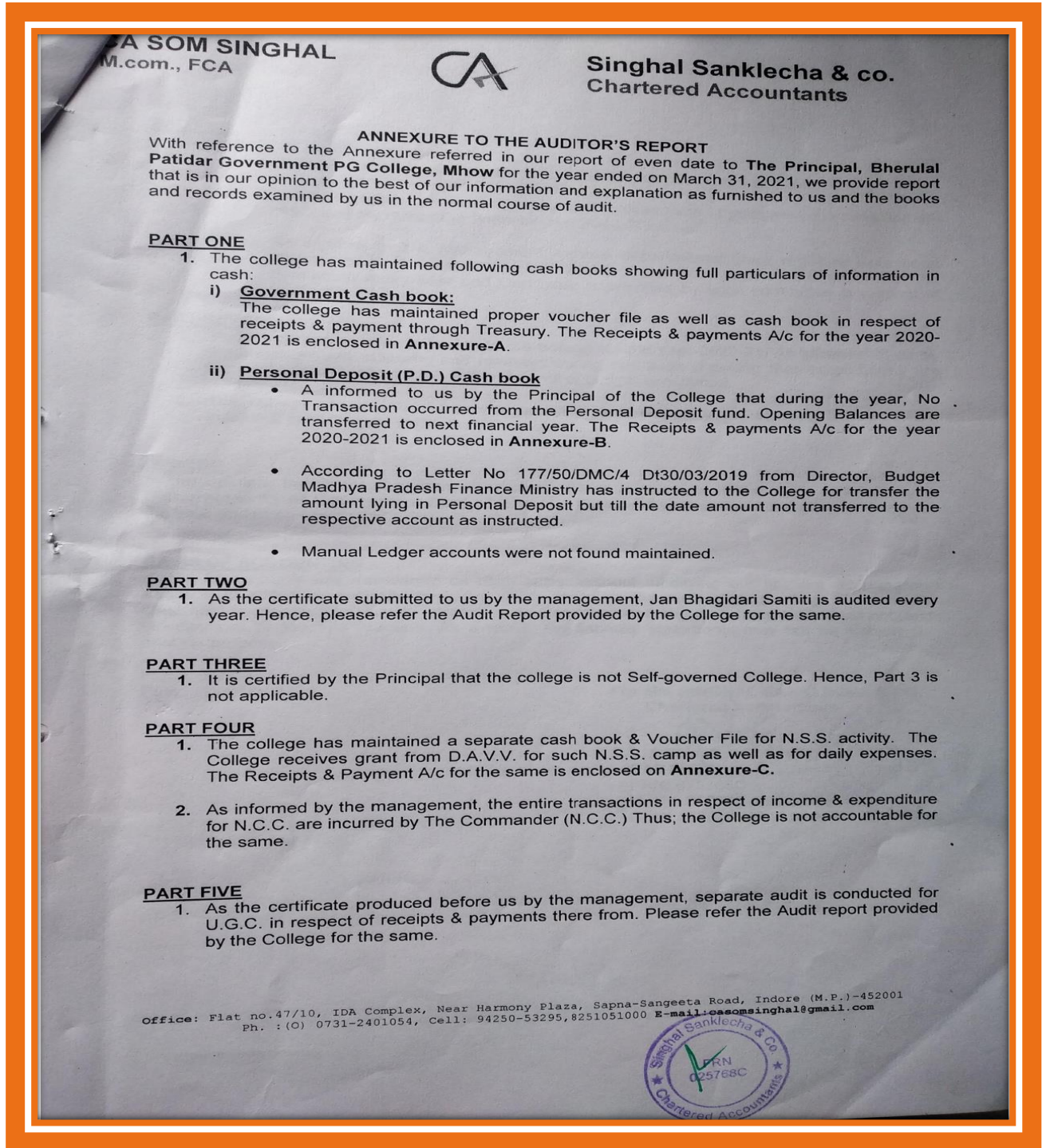
Office: Flat no.47/10, IDA Complex, Near Harmony Plaza, Sapna-Sangeeta Road, Indore (M.P.)-452001
Ph. : (O) 0731-2401054, Cell: 94250-53295, 8251051000 E-mail: casomsinghal@gmail.com



4.1 Conduction of financial audits (internal and external)

4.1.1 Conduction of internal financial audit for the Session 2020-2021

(Page 2)





4.1 Conduction of financial audits (internal and external)

4.1.1 Conduction of internal financial audit for the Session 2020-2021

(Page 3)

CA SOM SINGHAL
FCA

CA

Singhal Sanklecha & co.
Chartered Accountants

PART SIX

1. **Following points in respect of:**

- Payment for salary & allowances is made through Government Fund.
- The college has not made any payment for purchase of equipments & development of Laboratory during the financial year 2020-2021.
- As certified by the Management, various departmental stock registers have been maintained by the respective Departments. Such stock registers are verified by the committee every year and Certificate is provided by such committee in respect of verification done.

PART SEVEN

1. Various Schemes are applicable to the college for the year 2020-21. As informed to us by the management authority and revealed during our audit checking that expenditures are incurred with due diligence & within the limit of budget sanctioned.

2. The college has maintained proper record of fund disbursement showing full particulars including beneficiaries under the schemes.

OPINION

In our opinion, the financial statement presents a true & fair view in the case of **Receipts & Disbursements of Government fund of Bherulal Patidar Government PG College, Mhow** for the year ended on March 31, 2021.

BASIS OF ACCOUNTING

Books of accounts are maintained on cash basis. Without modifying our opinion, we draw our attention to annexure enclosed herewith, which describes the basis of accounting. The financial statement is prepared to provide information to Commissioner, Higher Education Department, and Government of Madhya Pradesh. As a result, the financial statements may not be suitable for another purpose.

Place: Indore
Date: 18/01/2022

For M/s SINGHAL SANKLECHA & CO.
Chartered Accountants

(CA Somdutt Singhal)
PARTNER
FRN: 025768C
M. No. 078543
UDIN : 22078543AAAAAG8742

Office: Flat no.47/10, IDA Complex, Near Harmony Plaza, Sapna-Sangeeta Road, Indore (M.P.)-452001
Ph. : (O) 0731-2401054, Cell: 94250-53295, 8251051000 E-mail: casomsinghal@gmail.com



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



4.1 Conduction of financial audits (internal and external)

4.1.1 Conduction of internal financial audit for the Session 2020-2021

(Page 4)

Annexure-A

BHERULAL PATIDAR GOVERNMENT PG COLLEGE, MHOW
Receipt and Payment Account for the year ending on 31.03.2021
Government Fund

Receipts	Amount (Rs)	Payments	Amount (Rs)
To Opening Balance:-		By Staff Payments & Benefits	113,011,699.00
Cash in Hand	200.00	By Travel Allowances	13,452.00
To Government Fund Grant	113,614,851.00	By Affiliation Fee	350,000.00
To Grant from World Bank	197,182.00	By Stationery & Postage	9,700.00
		By Gaon ki Beti Scheme Exp.	185,000.00
		By Pratibha Kiran Yojna	45,000.00
		By <u>Payments From World Bank Grant :</u>	
		For Remedial class	119,770.00
		For Academic Excellence	77,412.00
		By <u>Closing Balance:-</u>	
		Cash in Hand	200.00
Total (Rs.)	<u>113,812,233.00</u>	Total (Rs.)	<u>113,812,233.00</u>

As per our report of even date annexed.
For M/s SINGHAL SANKLECHA & CO.
CHARTERED ACCOUNTANTS

CA SOMDUTT SINGHAL
(PARTNER)
M.No. 078543
FRN 025768C
Place: Indore
Date: 18/01/2022
UDIN :22078543AAAAAG8742

For Bherulal Patidar Government P.G. College, Mhow

Principal
B.L.P. Govt. P.G. College,
MHOW



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



4.1 Conduction of financial audits (internal and external)

4.1.1 Conduction of internal financial audit for the Session 2020-2021 (Page 5)

Annexure-B

BHERULAL PATIDAR GOVERNMENT PG COLLEGE, MHOW
Receipt and Payment Account for the year ending on 31.03.2021
PERSONAL DEPOSIT FUND

Receipts	Amt (Rs)	Payments	Amt (Rs)
To Opening Balance:-		By Closing Balance:-	
Cash in Hand	3.00	Cash in Hand	3.00
P.D. A/c	3,646,617.00	P.D. A/c	3,646,617.00
	<u>3,646,620.00</u>		<u>3,646,620.00</u>
Total (Rs.)	<u><u>3,646,620.00</u></u>	Total (Rs.)	<u><u>3,646,620.00</u></u>

As per our report of even date annexed.
For M/s Singhal Sanklecha & Co..
Chartered Accountants

CA Somdutt Singhal
(Partner)
M.No. 078543
FRN 025768C
Place: Indore
Date: 18/01/2022
UDIN :22078543AAAAAH9292

For Bherulal Patidar Government P.G. College, Mhow

(Principal)
PRINCIPAL
B.L.P. Govt. P.G. College,
MHOW



BHERUL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



4.1 Conduction of financial audits (internal and external)

4.1.1 Conduction of internal financial audit for the Session 2020-2021 (Page 6)

Annexure-C

BHERUL PATIDAR GOVERNMENT P.G. COLLEGE, MHOW
Receipts and Payments Account for the year ending on 31.03.2021
N.S.S. FUND

Receipts		Amt (Rs)	Payments		Amt (Rs)
To <u>Opening Balance:-</u>			By Regular Activity Expenses		2477.00
Bank Balanace	24,482.04	24,482.04	By Out Of Pocket Exp.		6000.00
To Interest received		872.00	BY Advance For Activity		0.00
To Amount received from			By Unutilised Grant Returned		9600.00
Coordinator NSS DAVV		20,650.00	By <u>Closing Balance:-</u>		
			Bank Balanace	27,927.04	27,927.04
Total (Rs.)		<u>46,004.04</u>	Total (Rs.)		<u>46,004.04</u>

As per our report of even date annexed.
For M/s Singhal Sanklecha & Co.,
Chartered Accountants

CA Somdutt Singhal
(Partner)
M.No. 078543
FRN 025768C
Place: Indore
Date: 18/01/2022
UDIN :22078543AAAAAI2632

For Bherul Patidar Government PG College, Mhow

Principal
PRINCIPAL
B.L.P. Govt. P.G. College,
MHOW



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4.1 Conduction of financial audits (internal and external)

4.1.2 Conduction of internal financial audit for the Session 2021-2022

(Page 1)

2021-22

S.B. Patidar & Co.
Chartered Accountants

01, Janpad Panchayat Parisar, Luniyapura, Mhow, Distt. Indore (M.P.)
Cell : 094250-76989. E-mail : sunilmpatidar@gmail.com

Auditor's Report

We have Audited attached financial statements of the "Janbhagidari Samiti" of Government PG College, Mhow for the period of 01.04.2021.to 31.03.2022.

These financial statements are responsibility of the management. Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standard generally accepted in India. Those standards require that we plan & perform the audit to obtain responsible assurance about whether the financial statement is free of materials misstatement. Audit examining, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principal used and significant estimated made by the management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

We report that:

1. We have obtained all the information & explanations subjects to notes of accounts which to the best of our knowledge and belief were necessary for the purpose of our audit.
2. Procurement procedure not verified by us.

In our opinion and to the best of our information and explanation given to us said account gives:

- In case of Income and expenditure account of the profit/loss of institution during the period ended on that date 31st March 2022.
- In the case of balance sheet of the state of the affairs of the institution as at 31st March 2022.

Place : MHOW
Date : 25.11.2022

For : SB Patidar & Co.
Chartered Accountants

Sunil Patidar
CA Sunil Patidar
Partner
M.no. 400405



4.1 Conduction of financial audits (internal and external)

4.1.2 Conduction of internal financial audit for the Session 2021-2022

(Page 2)

Notes to the Accounts in case of Government College Mhow

1. While conducting audit test basic method has been adopt and audit has been conducted on the basis of available audit evidence like book of accounts, bank statement payment voucher and other explanation provided by management.
2. Expenses are regrouped whenever necessary.
3. Physical verification of fixed assets / cash not done by us.
4. Opening balances are subject to confirmation.
5. Procurement procedure has not been verified by us.
6. Expenses made by Janbhagidari Samiti and later same has reimbursed by RUSA account are subject to reconciliation, verification.

Place : MHOW
Date : 25.11.2022

For : SB Patidar & Co.
Chartered Accountants


CA Sunil Patidar
Partner
M.no. 400405





4.1 Conduction of financial audits (internal and external)

4.1.2 Conduction of internal financial audit for the Session 2021-2022

(Page 3)

Detailed query sheet attached with audit report separately:

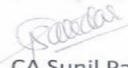
1. Balance of bank/ treasury is subject to reconciliation; moreover copy of account statement of state bank of India was produce before us for verification.
2. Inter head transferee and adjustment is reflected as verified by management.
3. Test method has been applied for audit.

For : Bherulal Patidar Government PG College, Mhow

Authorized Signatory

Place : MHOW
Date : 25.11.2022

For : SB Patidar & Co.
Chartered Accountants


CA Sunil Patidar
Partner
M.no. 400405





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4.1 Conduction of financial audits (internal and external)

4.1.2 Conduction of internal financial audit for the Session 2021-2022

(Page 4)

BHERULAL PATIDAR GOVT PG COLLEGE A.B. ROAD, GAWLIPALASIYA, MHOW, DISTT. INDORE (M.P.) INCOME AND EXPENDITURE A/C FOR THE PERIOD 01.04.2021 TO 31.03.2022 JANBHAGIDARI SAMITI			
EXPENDITURE	AMOUNT	INCOME	AMOUNT
To Bank Charges	45519.68	By Fees Received	331555.57
To Repair & Maintanance Building	134520.00	By Interest Receipts	116069.00
To Balance of Fees Transfer To B/s	267584.89		
	<u>447624.57</u>		<u>447624.57</u>



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4.1 Conduction of financial audits (internal and external)

4.1.2 Conduction of internal financial audit for the Session 2021-2022

(Page 5)

BHERULAL PATIDAR GOVT PG COLLEGE			
A.B. ROAD, GAWLIPALASIYA, MHOW, DISTT. INDORE (M.P.)			
RECEIPT AND PAYMENT A/C FOR THE PERIOD 01.04.2021 TO 31.03.2022			
JANBHAGIDARI SAMITI			
<u>EXPENDITURE</u>	<u>AMOUNT</u>	<u>INCOME</u>	<u>AMOUNT</u>
To Bank Balances		By Bank Charges	45519.68
State Bank of India	4137107.84	By Repair & Maintanance Building	134520.00
To Fees Received	331555.57		
To Interest Receipts	116069.00	By Bank Balances	
To Received from RUSA	850000.00	State Bank of India	5254692.73
	<u>5434732.41</u>		<u>5434732.41</u>





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4.1 Conduction of financial audits (internal and external)

4.1.2 Conduction of internal financial audit for the Session 2021-2022

(Page 7)

ANNEXURE:-A
SUNDRY RECEIVABLES
For :-
RUSA

150000.00

TOTAL (Rs. 150000.00)

ANNEXURE:-B
Fixed Assets

Particulars	Rate of Depreciation	Gross Block as on 01.04.2021	Addition during the year up to 30.09	Addition during the year from 01.10	Total as on 31.03.2022	Depreciation For the Year*	Net Block as on 31.03.2022
Laboratory Equipments	0%	85628	0	0	85628	0	85628
Office Equipments	0%	74998	0	0	74998	0	74998
Building Construction	0%	2994881	0	0	2994881	0	2994881
Furniture & Fixture	0%	2978521	0	0	2978521	0	2978521
Books & periodicals	0%	953075	0	0	953075	0	953075
Computer & Printer	0%	494999	0	0	494999	0	494999
Generator & Inverter	0%	327599	0	0	327599	0	327599
CCTV Camara	0%	90150	0	0	90150	0	90150
TOTAL		7999851	0	0	7999851	0	7999851



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4.2 Conduction of external financial audit

4.2.1 World Bank–MPHEQIP-7464 Audit for the Session 2021-2022

**Utilization Certificate Under World Bank - MPHEQIP-7464
for Financial Year 2021-22**

As on 31-03-2022 Under MPHEQIP Institute Utilized following as per Govt. Norms all document are kept with institute.

Name of College :- BHERULAL PATIDAR GOVT. P.G. COLLEGE, MHOW
College Code :- 2307
College District :- INDORE
College Division :- INDORE

S. No.	Object of Fund allocation	Allotment Budget Head	Total Budget Allocated during FY 2021-22	Budget Utilized Budget Head	Actual Budget Utilized (From Treasury only) FY year 2021-22	Remarks
1	Academic Excellence (Webinar & Educational Tours)	44-2202-03-103-1202-7464-51-000	275563	44-2202-03-103-1202-7464-51-000	275563	
2	Student Tracking	-	-	-	-	
3	NAAC	-	-	-	-	
4	Internal Audit fees	44-2202-03-103-1202-7464-51-000	60000	44-2202-03-103-1202-7464-51-000	60000	
5	Energy Audit and Other Equipment's	-	-	-	-	
6	Sanitary napkin machine and incubator	-	-	-	-	
7	Accounting Software	-	-	-	-	
8	Remedial classes	44-2202-03-103-1202-7464-51-000	264500	44-2202-03-103-1202-7464-51-000	264500	
9	Sanitizer Machine	44-2202-03-103-1202-7464-51-000	30000	44-2202-03-103-1202-7464-51-000	29500	
10	Computer Lab	-	-	-	-	
11	Navin Siksha Neeti	-	-	-	-	
12	Office equipment's under IUFR	44-2202-03-103-1201-7464-51-000	500000	44-2202-03-103-1201-7464-51-000	499313	
13	Water Cooler with RO system	-	-	-	-	
14	Rojgar mela and other employability activity	-	-	-	-	
15	Lab Equipments	-	-	-	-	
16	Others (if any)	-	-	-	-	
Total			1130063.00		1128876.00	

- Certified that out of* Rs 1130063.00 a sum of Rs. 1128876.00 has been utilized for the purpose for which it was sanctioned as per order.
- Certified that I have satisfied myself that the conditions on which the above was sanctioned have been duly / are being fulfilled and that I have exercised all check to see that the money was actually utilized for the purpose for which it was sanctioned.

Place: _____
Date: _____

Signature of Principal
PRINCIPAL
Name and Designation
B.L.P.G. College
MHOW



4.2 Conduction of external financial audit

4.2.2 RUSA Audit for the Session 2021-2022 (page 1)

BLP College Mhow, RUSA			
Receipts and Payments			
1-Apr-2021 to 31-Mar-2022			
Receipts		Payments	
1-Apr-2021 to 31-Mar-2022		1-Apr-2021 to 31-Mar-2022	
Opening Balance	55,45,983.00	Bank Charges	30.00
CANARA BANK RUSA	55,45,983.00	Computers & Peripherals	3,39,659.00
Grant From Rusa - Revenue	30.00	Generator and Inverter	2,97,675.00
Interest on Savings Bank Accounts	20,930.00	Grant From Rusa - Capital	5,79,579.00
		Work in Progress Work Building	43,50,000.00
Total	55,66,943.00	Total	55,66,943.00

Page 1

PRINCIPAL
BLP, Govt. P.G. College
Mhow




4.2 Conduction of external financial audit

4.2.2 RUSA Audit for the Session 2021-2022 (page 2)

BLP College World Bank			
Receipts and Payments			
1-Apr-2021 to 31-Mar-2022			
Receipts		Payments	
1-Apr-2021 to 31-Mar-2022		1-Apr-2021 to 31-Mar-2022	
Grant From World Bank Revenue	11,28,876.00	Academic Excellence	58,152.00
		AUDIT FEES	60,000.00
		Education Tour Expenses	67,470.00
		Plant & Machinery	5,28,813.00
		Remedial Classes Expenses	2,64,500.00
		WEBINAR EXPENSES	1,49,941.00
Total	11,28,876.00	Total	11,28,876.00

Page 1


PRINCIPAL
B.L.P. Govt. P.G. College
MHOW



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4.3 Conduction of internal audit (other than financial)

4.3.1 Verified report of accession register of donated books of geography Department

Page 128		G. S. R. (GENERAL STOCK REGISTER)									
S. No.	Bill No. & Date	Name of Supplier	Name of Article	Quantity	Rate	Cost	Total	C. S. R. Page No.	C. S. R. Sl. No.	Initial of Head	Initial of Principal
1		श्री रत्न/वही महाराष्ट्र अकादमी कोरा विद्यापीठा एन स्टाफ ट्रेडिंग कोरा जिला दिनांक 16.10.2020.	TV. VISE ① VISE Model No. VD32H70/ 8018 LED TV. 80cm. ② HD Set Top Box Sep. 2020 विशेष सर्वोत्तम 4*10.2020 ③ HD Set up Box Sep. 2020 VEDAODON बॉक्स + ISM Cable ④ Remote + TV + HD Box = ②	1 1 1	1500/-	1500/-				AS	
2.		श्री श्यामल प्रोपर्टी, 2010/2021	गैलरी - वी.ए. गुजराती म.अ. मंडळ. चीय मंडळी मंडळी STATIONARY	1	8500/-	8500/-				AS	
3.		BADRI STATIONARY 02/03/2022	STATIONARY		360/-	360/-				AS	



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4.3 Conduction of internal audit (other than financial)

4.3.2 Verified report of accession register of donated books of central library (Page 1)

ACCOUNT REGISTER				
GOVT. COLLEGE LIBRARY, MHOW (M. P.)				
Acc. No.	Author	Title	Price	Progressive Total
G-01	Miller, Joseph	Sewas List of Subject Headings. 18 th edition		
G-02	"	"		
G-03	"	"		
G-04	Koli, L.N.	Utkar's Civil Services Preliminary Exam Commerce	355=00	
G-05	"	Pratyaogita Darpan optional Subject Commerce.	180=00	
G-06	Tiwari, ViJay	Union Public Service Commission Pre Exam AIS	235=00	
G-07	Mulhotra, A.M.	Career's Guide Objective Mathematics UPSE civils	399=00	
G-08	Bhadnagar, Vimal Rai	DGP Question Bank Commerce	450=00	
G-09	Grang, B.E.	Indian Constitution and Administration		
G-10	Mayurdamr, Tapas	Ours Economy An Introduction A Text Book For classes IX-X		
G-11	Sharma, Ram Sharan	Ancient India A History Text Book For class XI		
G-12	Narany, A.S.	Democracy In India Issues And Challenges		
G-13	Dey Arjun and Dey Indira Arjun	Contemporary World History A History T.B.		
G-14	KAPLAN SCHWEGER	Schweser FRM Study Mat. Book-1		
G-15	"	" Book-2		
G-16	Ghosh, S.K.	Pragati IAS PAT-2 Ethics, Integrity & Aptitude		
G-17	"	Pragati IAS PAT-1		
G-18	(DAI)	PRINCE 2 Fundamental Foundations & Practitioner Pro.		
G-19	"	"		
G-20	I.G.N.O. School of Social Science	Indira Gandhi National open University School of Social Scien. Book-1		
G-21	I.G.N.O. School of Social Science	" Book-2		
G-22	I.G.N.O. School of Social Science	Political Theory - International Relations: Theory and Problems. Book-1		
G-23	"	" Book-2		
G-24	"	India: Democracy and Development Book-1		
G-25	"	" Book-2		
G-26	"	Comparative Politics: Issues and Trends. Book-1		
G-27	"	" Book-2		
G-28	निवारी, ब्रह्माद	मेरी समग्र कहानियाँ	800=00	25/01/18 को
G-29	यागानन्द, परमहंस्य	गोपी कथासूत	175.00	श्री.पद्माद निवारी द्वारा 25/01/18 को भि. बुक रजि.



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4.3 Conduction of internal audit (other than financial)

4.3.2 Verified report of accession register of donated books of central library (Page 2)

4

ACCOUNT REGISTER

GOVT. COLLEGE LIBRARY, MHOW (M. P.)

Acc. No.	Author	Title	Price	Progressive Total
G-30	दास वंशमपाल	जीने की शह	30.00	प्रचार प्रसार
G-31	दास, रंत रामपाल	इंग्लिश गंगा	20.00	सामिनि
G-32	— " —	अंधा त्रैलोक्य अर्थात् खतरा-र-जात	30.00	खल्लोड, अर्थात् बरबाला
G-33	— " —	गीता तेरा जाग अस्त	98.00	
G-34	Mishra, Rajendra	Time Blows	200.00	Dr. Rajendra Mishra
G-35	गणपती, अग्निर्वाण और शिवजी, शिवानंद	अमिता शाह और भाजपा की भाजपा	299.00	
G-36	उप-भास वैदेही			(2-08-2021) पुस्तक (द्वारा) शिवजी (शिवजी)
G-36	प्रहलाद तिवारी	उप-भास वैदेही	400.00	शिवजी (शिवजी)
G-37	शाह, लाकरा, नेमा, चौक	युगलोक रसायन	118.00	शिवजी (शिवजी)
G-38	Dr. H. K. Pathak	विबलेषण	110.00	शिवजी (शिवजी)
G-39	महेश कुमार वर्मावाल	भूगोल रत्न समग्र अद्ययंत्र	210.00	शिवजी (शिवजी)
G-40	Saundeez .	Doeland's pocket Medical Dictionary		शिवजी (शिवजी)
G-41	मुलेश माहेश्वरी	सामान्य ज्ञान मध्यप्रदेश	330.00	
G-42	अरिहन्त पब्लिकेशन्स	अधीनस्थ सेवा सर्वेक्षण अराज्य- नित अधिकांश	140.00	
G-43	मुलेश माहेश्वरी	सामान्य ज्ञान माननीयत म.प्र.	60.00	
G-44	आर पी. गौयल	यूनिफाइड भौतिक विज्ञान I Sem	65.00	
G-45	- " -	- " - III Sem	210.00	
G-46	- " -	- " - III Sem	140.00	
G-47	J. P. Agarwal, Agra	unified electronics vol I	180.00	
G-48	शिवलाल	यूनिफाइड सरल अद्ययंत्र भौतिक विज्ञान II sem.	125.00	
G-49	आर पी. गौयल	यूनिफाइड भौतिक विज्ञान III Sem	170.00	
G-50	डॉ. एस आर माहेश्वरी	लोक प्रेम प्रशासन	150.00	
G-51	डा. रत्न के शर्मा	शाठ्य लोक भौतिक विज्ञान	100.00	
G-52	Chauhan Agarwal	कम्प्यूटर ऑर्गेनाइजेशन	150.00	
G-53	सिन्हा / चौहान	आर पी यूनिफाइड भौतिक	180.00	
G-54	R. P. Goyal	unified physics II sem	135.00	



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4.3 Conduction of internal audit (other than financial)

4.3.2 Verified report of accession register of donated books of central library (Page 3)

ACCOUNT REGISTER. 5				
GOVT. COLLEGE LIBRARY, MHOW (M. P.)				
Acc. No.	Author	Title	Price	Progressive Total
ज-55	अरुण लात्यायन	कृषि विज्ञान के मूलभूत सिद्धांत	210.00	
ज-56	आर पी. गौरन	यूनीफाइड भौतिक विज्ञान I Sem	160.00	
ज-57	हरिकृष्ण शिवत	उच्चतर समाजशास्त्र विश्लेषण	325.00	
ज-58	डॉ आर पी. गौरन	यूनीफाइड भौतिक विज्ञान II Sem	210.00	
ज-59	बी.के.सिन्हा, चौहान	आर पी. यूनीफाइड भौतिकी	225.00	
ज-60	आर. पी. गौरन	यूनीफाइड भौतिक विज्ञान		
ज-61	डॉ ज्योत्सना भार्गव	भौतिक विज्ञान	220.00	
ज-62	आर पी. गौरन	यूनीफाइड भौतिक विज्ञान	120.00	
ज-63	- " -	- " -	130.00	
ज-64	बी.के.सिन्हा, चौहान	आर पी यूनीफाइड भौतिकी	250.00	
ज-65	आर पी गौरन	यूनीफाइड भौतिक विज्ञान	240.00	
ज-66	- " -	- " - I Sem	160.00	
ज-67	- " -	- " - IV Sem	140.00	
ज-68	- " -	- " - V Sem	140.00	
ज-69	श्री. वी. कृष्णाच मुलगा	सामाजिक विचारधारा का मूल से मुलगा तक	138.00	
ज-70	R. P. Crovel	Unified Physics. I paper	140.00	
ज-71	प्रो. ए. भद्रेश्वर	भारतीय समाज	80.00	
ज-72	साहित्य भवन पब्लिकेशन्स	भारत का संविधान	35.00	
ज-73	AGROHA'S	महान व्यक्तित्व	20.00	
ज-74	शम आहुजा	सामाजिक अनुसंधान	195.00	
ज-75	एस. एस. सेठ	शिवलाल हायर सेकण्डरी		
ज-76	शंकर शंकर	गणित लक्षा 11	170.00	
ज-76	शंकर गौतम, भद्रेश्वर	मध्य प्रदेश (स्कूल शिक्षा)	115.00	
ज-77	जे. पी. सिन्हा	समाजशास्त्र अध्यायनादि एवं सिद्धान्त	195.00	
ज-78	पुष्पेन्द्र कुमार लाल	श्री. वी. कृष्णाच साइंस (स्कूल सम्पूर्ण स्टडी पैकेज)	300.00	



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4.3 Conduction of internal audit (other than financial)

4.3.2 Verified report of accession register of donated books of central library (Page 4)

6 ACCOUNT REGISTER GOVT. COLLEGE LIBRARY, MHOW (M. P.)				
Acc. No.	Author	Title	Price	Progressive Total
61-79	सिन्हा, चौहान	आर पी. युनीफाइड भौतिकी	180.00	
61-80	धमेन्द्र	समाज शास्त्र, सिविल सेवा	-	
61-81	डा. आर पी. गौसल	भारतभिल परीक्षा हेतु युनीफाइड प्रायोगिक भौतिक विज्ञान II sem.	60.00	
61-82	विद्या कॉमपिटेशन टाइम्स, इलाहाबाद	भारतीय नलका स्पे सस्कृति	30.00	
61-83	साहित्य भवन	भौतिक विज्ञान	-	
61-84	Sunil Kumar Singh	Lucent's सामान्य ज्ञान	79.00	
61-85	गुप्ता, शर्मा	म.प्र. लोक सेवा आयोग, समाजशास्त्र	320.00	
61-86	R.P. Goyal	Unified Physics 4 th Sem.	255.00	
61-87	" "	" " III rd Sem.	180.00	
61-88	" "	" " II nd Sem.	175.00	
61-89	" "	" " I st Sem.	240.00	
61-90	" "	" " VI th Sem.	225.00	
61-91	" "	" " V th Sem.	175.00	
61-92	" "	" " I st Sem.	180.00	
61-93	" "	" " I st Sem.	175.00	
61-94	" "	" " VI th Sem.	140.00	
61-95	" "	" " I st Sem.	180.00	
61-96	" "	" " I st Sem.	170.00	
61-97	" "	" " VI th Sem.	140.00	
61-98	R. P. Goyal	Unified Practical Physics	60.00	
61-99	R. P. Goyal	Unified Physics II nd Year	185.00	
61-100	A.S. Narang	Democracy in India Issue and Challenges		
61-100	R. P. Goyal	Unified Physics	265.00	
61-101	शर्मा, मिलर	जल प्रचलन का राबिक विश्लेषण का बाधयन	-	
61-102	Dhator, J. A	Information storage & management	160	Dr. Snehita Vyas 12/1/21
61-103	Bameb, Douglas E.	Internet working with TCP/IP	325.00	



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4.3 Conduction of internal audit (other than financial)

4.3.2 Verified report of accession register of donated books of central library (Page 5)

Acc. No.	Author	Title	Price	Progressive Total
4-104	Siberchats, hahin cagne	operating system concepts	—	,
4-105	Stallings, William	Cryptography and Network Security	295	
4-106	Dhatore, J. A	operating system	450	,
4-107	Bagde, P. O	Engineering mathematics - I	180	
4-108	Dhatore, J. A	Distributed System	225	
4-109	Scema, kedari	Database management System	310	,
4-110	Puntambekar, A. A	Software Engineering & Project Management	325	
4-111	Kumar, Satisli	Neural Networks	—	
4-112	Puntambekar, A. A	Web engineering	475	
4-113	Puntambekar, A. A	Analysis & Design of Algorithms	250	,
4-114	Puntambekar, A. A	Computer Design	375	
4-115	Dhore & Bagad	Network management	199	
4-116	Puntambekar	Theory of computing	260	,
4-117	Mishra, A. K.	Soft computing	200	
4-118	Bagad & Dhore	Data Communication	160	Dr. Snehal Vyas
4-119	भास्करलाल, शिंदेलाल	रसायन विज्ञान - 1	300	भास्करलाल 10.01.2022
4-120	" "	" " - 2	450	
4-121	" "	" " - 3	1250	
4-122	ठाकुर, शशिबाबा	विश्वविद्यालय शिक्षण के माध्यम से सांस्कृतिक परम्परा	595	डा. शशिबाबा ठाकुर 09/02/22
4-123	Yadar, Lal & Yadar, Khush	Event Management - स्वतंत्रता युवा	1700	लाल पाण्डे 18/5
4-124	गणेशदास, जे. सी.		—	डा. गणेशदास
4-125	Dandawati, Manoj	Polyhouse Farming	300	डा. Manoj Dandawati
4-126	वर्मा रेखा	पर्यावरणीय सम्प्रदायीयता एवं संरक्षण	350	डा रेखा वर्मा
4-127	श्रीवास्तव, सुहृती मनोहर	अनवादा की आगहत्या	201/-	06.12.2022

Dr. Snehal Vyas
वी.एस.पी. शास. स्नातकोत्तर महाविद्यालय
महू (म.प्र.)

(2)



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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 1)

 **MADHYA PRADESH URJA VIKAS NIGAM LIMITED**
(A Govt. of M.P. Undertaking) (ISO 9001:2008 Certified)

Ref No. F/UVN/2021/EMC/03-41/ 253 | Date: 29.09.2023

To, **M/s SEES Energy Solution**
296, Shivampuri Colony, Vishal Urban
Block A, Flat No. 204,
Indore (M.P.)-452001

Sub: Work Order for conducting "Energy Audit of (1) Bherulal Patidar Govt P G College, Mhow (2) Govt New Law College, Indore (3) Govt College, Depalpur, Indore (4) Govt College, Sanwer, Indore (5) Govt College, Badwaha (6) Govt College Kalapipal (7) Govt College Badnagar, Ujjain" & preparation of Energy plan for the same.

Dear Sir,

We are pleased to award you the work of conducting Energy Audit & preparation of Energy Conservation and Management plan for the same; under following terms and conditions:

S. No.	Scope of work for Energy Audit	Amount in Rs.
1	Broad scope of work for conducting Energy Audit of:-	@ Rs. 23,750/- + GST for each institution Total (Rs. 23,750x7 = 1,66,250/-) + GST as applicable.

S.No.	College Code	District	College Name
1	2307	Indore	Bherulal Patidar Govt P G College, Mhow
2	2312	Indore	Govt New Law College, Indore
3	2308	Indore	Govt College, Depalpur, Indore
4	2309	Indore	Govt College, Sanwer, Indore
5	2405	Khargone	Govt College, Badwaha
6	1907	Shajapur	Govt College Kalapipal
7	1804	Ujjain	Govt College Badnagar, Ujjain

& preparation of Energy plan for the same; includes all energy consuming equipments. The energy audit consultant shall undertake evaluation of equipment / system efficiency, identification of energy streams, estimation of associated energy losses, identification on potential areas for cost/loss reduction, and recommendations on cost effective measures for achieving energy efficiency and cost savings.

Identification of energy and cost savings opportunities and analysis of the possible impact of measures.

Preparation of Energy Audit Report that documents the efforts made for certification under 'USHA' of each one in the institution.

Scope of Renewable energy option retrofitting in the subjected buildings.

Detailed scope of work & contents of the expected report are enclosed herewith (Annexure-1)

1. Contact Persons:

S.No	College Code	Division	District	College Name	Contact No. of Principal	World Bank Project Incharge	Contact No. of World Bank Project Incharge	Email ID	MPUVN DREO (Name and Contact No)
1	2307	Indore	Indore	Bherulal Patidar Govt P G College, Mhow	9425340716	DR. MANOJ KUMAR NAGAR	9425089657	hebpaggcmh oind@mp.gov.in	Shri Ashok Gupta (Mo. 9407136260)
2	2312	Indore	Indore	Govt New Law College, Indore	7610154478	Dr. Vipin kumar Mishra	9415242630	principalnrci ndore@yahoo.com	

"URJA BHAWAN" Main Road NO.02, Shivaji Nagar Bhopal-462016 (M.P) INDIA
Web-www.mprenewable.nic.in e-mail cmpuvn@bsnl.in
Phone 0755-2575670 2553595, 2556246 Fax-2553122, 2556245



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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 2)

MADHYA PRADESH URJA VIKAS NIGAM LIMITED
(A Govt. of M.P. Undertaking) (ISO 9001:2008 Certified)

S.No	College Code	Division	District	College Name	Contact No. of Principal	World Bank Project Incharge	Contact No. of World Bank Project Incharge	Email ID	MPUVN DREO (Name and Contact No)
3	2300	Indore	Indore	Govt College, Depalpur, Indore	9827663251	Dr Pushpa Diwakar	9179722500	gc_principaldep@rediffmail.com	
4	2309	Indore	Indore	Govt College, Sanwer, Indore	9826053700	Vivek Prakash Verma	9827299058	gc_principalsanwer@rediffmail.com	
5	2405	Indore	Khargon	Govt College, Badwaha	9826513607	Dr. Sunil kumar sharma	9827606081	hegcbadkhr@mp.gov.in	Shri Rajendra Goyal (Mo. 9827502858)
6	1907	Ujjain	Shajapur	Govt College Kalapipal	9826476334	Dr A. R. Malviya	9826018963	hegckalsha@mp.gov.in	Shri B.K. Vyas (Mo. 9406534414)
7	1804	Ujjain	Ujjain	Govt College Badnagar, Ujjain	9424510081	Sunil Udiwal	9424815337	hegcbadujj@mp.gov.in	Shri B.K. Sharma (Mo. 9425196019)

2. Other Services:

- Advice for initiating formation of energy management cell in the institute & advice for periodic review of the activities in the institute.
- Define energy measurement/ estimation procedures, record keeping and generation of periodic energy management report etc.
- Sensitization / Training of beneficiary staff before energy audit study.
- Advice for fixing of some suitable quotations on energy conservation in the premises.
- Prepare a Renewable Energy plan to meet local energy requirements.
- Advice to initiate some result-linked incentives for energy conservation project.
- Presentation of the report after completion of the Study in presence of the stakeholders.
- Implement "ऊर्जा साक्षरता अभियान (USHA)" and plan for 100% certification of every Student/Teacher/Staff of the Institution.

3. Payment Terms :
The energy audit charges (Rs.23,750/- x 7 = 1,66,250/-) (One Lakh Sixty Six Thousand Two Hundred Fifty Rupees only)+GST as applicable & Inclusive of all other Expenses. and expenses for conducting "Energy Audit of - (1) Bherulal Patidar Govt P G College, Mhow (2) Govt New Law College, Indore (3) Govt College, Depalpur, Indore (4) Govt College, Sanwer, Indore (5) Govt College, Badwaha (6) Govt College Kalapipal (7) Govt College Badnagar, Ujjain" & preparation of Energy plan for the same; shall be paid only after the following conditions: -

3.1 The rates are firm & fixed, GST would be paid extra as applicable. Payment will be made as per the terms and conditions described below after receipt of one hard copy of report & one soft copy, duly acknowledged by beneficiary organization along-with the submission of the bills in triplicate. (Bills statement should clearly indicate the component of GST and must be accompanied by an undertaking that they have deposited or will deposit the GST as per government norms as per applicability).

3.2 Consultants are required to submit one set (hard copy and one soft) of copy of the report to beneficiary organization, and to MPUVN. Consultant are required to submit the reports in Hindi - English.


3.3 100% of the contract value at the satisfactory completion of all the work.

"URJA BHAWAN" Main Road NO.02, Shivaji Nagar Bhopal-462016 (M.P) INDIA
Web-www.mprenewable.nic.in e-mail cmpuvn@bsnl.in
Phone 0755-2575670 2553595, 2556246 Fax-2553122, 2556245



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 3)

 **MADHYA PRADESH URJA VIKAS NIGAM LIMITED**
(A Govt. of M.P. Undertaking) (ISO 9001:2008 Certified)

3.4 subjected to the acknowledgement of the work (Report) by beneficiary.
TDS etc shall be deducted at source as applicable.

3.5 In case the Consultant fails to execute the work (study) as per the time frame given in the work order a penalty of 2% of the total contract Value per week or part thereof & subject to maximum up to 10% of the total contract Value can be imposed.

4. General Terms :

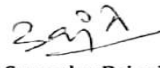
- Consultant shall complete the work of energy audit In three weeks from the date of receipt of work order.
- Consultant must give prior information about their site visit schedule and also mention the details of energy audit team.

5. Consultant should clearly mention the recommendations as below :

- Action for Energy Efficiency required without any cost involved.
- Action for EE required with low cost involved i.e. repayment within six months.
- Action for EE required with High cost involved i.e. repayment In 2-3 years.
- Renewable energy option retrofitting in the subjected buildings.
- Details of Solar systems if suitable/ recommended
(Details of the specifications of item required for low cost & high cost involved for action on energy efficiency measures implementation)
- (Details of building and concerned person, Building Information are the essential part of the report).

Consultant has to intimate the completion of work to the contact officer of Institute and MPUVN Ltd.

Thanking You,


(Dr. Surendra Bajpai)
Nodal Officer

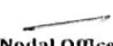
Encl: as above

Ref No. F/UVN/2021/EMC/03-41/

Date: 29.09.2023

Copy to :

1. PA to Managing Director, MPUVN, Link Road No. 2, Shivaji Nagar, Bhopal (M.P.) for information please.
2. CFA, MPUVN, for information please.
3. DREO, MPUVN, Dist. Indore, Khargone, Shajapur and Ujjain for information and necessary co-ordination.
4. Principal, - (1) Bherulal Patidar Govt P G College, Mhow (2) Govt New Law College, Indore (3) Govt College, Depalpur, Indore (4) Govt College, Sanwer, Indore (5) Govt College, Badwaha (6) Govt College Kalapipal (7) Govt College Badnagar, Ujjain for coordination please.


Nodal Officer

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Web-www.mprenewable.nic.in e-mail cmpuvn@bsnl.in
Phone 0755-2575670 2553595, 2556246 Fax-2553122, 2556245



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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 4)



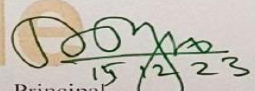
BHERULAL PATIDAR GOVT. P.G. COLLEGE, MHOW
Affiliated - DEVI AHILYA VISHWAVIDYALAYA, Indore
NAAC Reaccredited [2nd Cycle] 'A' Grade
Old A.B Road, Dongargaon, Dr. Ambedkar Nagar, (MHOW) INDORE (M.P.) 453441
Phone : 07324-226037 Fax : 07324-226037 e-mail : govt_mhowcollege03@rediffmail.com

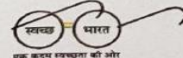
MHOW DATED 15/12/2023

Work Completion Certificate
TO WHOM IT MAY CONCERN

This is to certify that Mr. Rambabu Raghuwanshi of SEES Energy Solution, 296, Shivampuri Colony, Vishal Urban Block A, Flat No. 204, Indore (M.P.)- 452001 has been associated as Certified Energy Audit Work Order Ref No. F/UVN/2021/EMC/03-41/ 2581 dated 29.09.2023 successfully completed the Energy Audit of our college building of Bherulal Patidar Govt. P.G. College, Mhow (M.P.).

The work has been carried out successfully and the final detailed energy audit report of the same was submitted to us within stipulated time period.



Principal
Bherulal Patidar Govt. P. G. College, Mhow
Ambedkar Nagar, MHOW



एक कदम स्वच्छता की ओर
हम सबने यह ठाना है,
भारत को स्वच्छ बनाना है।

स्वस्थ नारी, सक्षम नारी
शिक्षित नारी, समर्थ नारी

ध्येय वाक्य - " उच्च शिक्षित युवा, सुनहरे भविष्य का आधार "

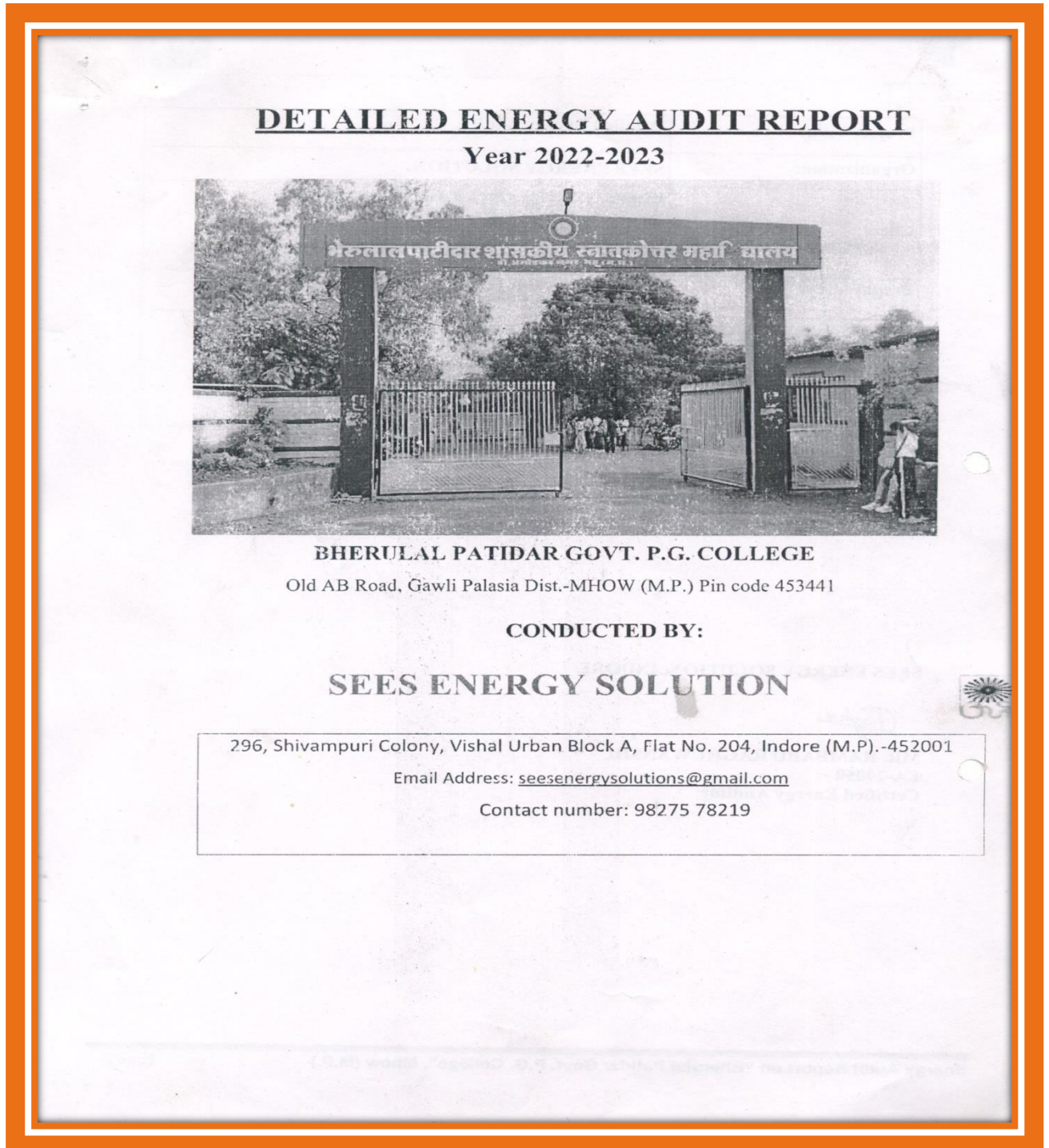


बेटी बचाओ
बेटी पढ़ाओ



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 5)





4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 6)

Project Title:	Detailed Energy Audit
Organization:	SEES ENERGY SOLUTION.
Client:	Bherulal Patidar Govt. P.G. College, Mhow. Madhya Pradesh, India.
Prepared By	
	1. Mr. Rambabu Raghuvanshi (Certified Energy Auditor) 2. Mr. Vinod Kumawat (Energy Consultant) 3. Mr. Akash Mehra (Energy Consultant)

SEES ENERGY SOLUTION, INDORE

Raghu

MR. RAMBABU RAGHUWANSHI
EA-29059
Certified Energy Auditor

Energy Audit Report on "Bherulal Patidar Govt. P.G. College", Mhow (M.P.)

Page 2



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 7)

Internal Audit Team		
1	Principal	Dr. Praveen Ojha.
2	IQAC & NACC Coordinator	Dr. Rashida Kachwala

SEES ENERGY SOLUTION, INDORE

Raghu

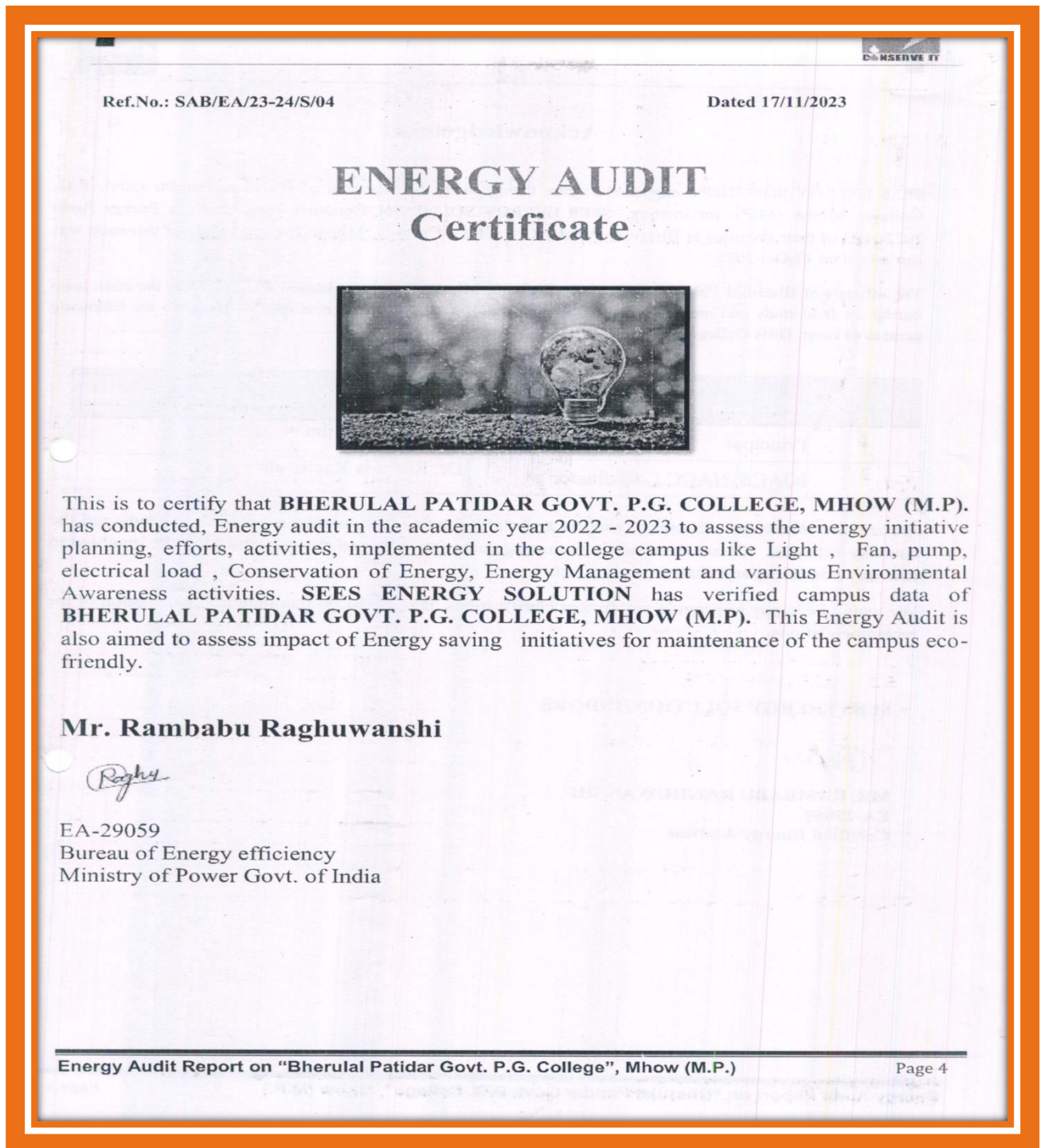
MR. RAMBABU RAGHUWANSHI
EA-29059
Certified Energy Auditor

Energy Audit Report on "Bherulal Patidar Govt. P.G. College", Mhow (M.P.) Page 3



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 8)





4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 9)

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4.4.1 Energy audit report (Page 10)

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 11)

ABBREVIATION	
O&M	Operation and maintenance
kW	Kilo Watt
P.F	Power Factor
kVA	kilo Volt Ampere
kWh	kilowatt Hour
kVAh	kilovolt Amperes Hour
kVAr	kilovolt Amperes Reactive
ACs	Air Conditioners
FTL	Fluorescent Tube Light Lamp
TR	Ton of Refrigeration
SPC	Specific Power Consumption
CMH	Cubic Meter per Hour
STL	Single Tube Light
DTL	Double Tube Light
Amp	Ampere
Volt	Voltage
BLDC	Brushless Direct current
Nos	Numbers
Hrs	Hours
MPPKVCL	Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Ltd.

Energy Audit Report on "Bherulal Patidar Govt. P.G. College", Mhow (M.P.) Page 7



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 12)



EXECUTIVE SUMMARY		
College Details:		
Particulars	Units	Details
Name of the College	-	Bherulal Patidar Govt. P.G. College.
Location	-	Mhow (M.P), India
Owner	-	Government
Contact Person	-	Dr. Manoj Kumar Nagar.
No. of Shifts	Nos.	1
Daily Operating Hours	Hrs./day	8
Annual Working Days	Days/yr.	300
Source of Electricity	-	MPPKVVCL
Total connected maximum Load	kW	122.30 kW
Total Sanctioned Load	(kW)	88.12 kW
Average Energy Charge in per unit	Rs. /kWh	11.19

Energy Audit Report on "Bherulal Patidar Govt. P.G. College", Mhow (M.P.) Page 8



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 13)



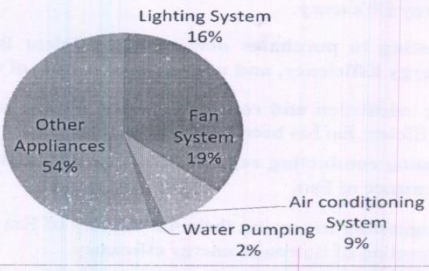
a) Existing Major Energy Consuming Technology and Electricity billing analysis:

The major equipment's installed in **Bherulal Patidar Govt. P.G. College, Mhow**, like Lighting fixtures, Fans and Other appliances

Table 1. Connected Load (kW)

S. No.	Type of Electrical System	Connected Load Power (kW)	Connected Load (%)
1	Lighting System	19.55	15.98%
2	Fan System	23.17	18.94%
3	Air conditioning System	10.8	8.83%
4	Water Pumping	2.25	1.84%
5	Other Appliances	66.54	54.40%
Total Connected Load		122.30	

Connected Load Details



System	Percentage
Other Appliances	54%
Fan System	19%
Lighting System	16%
Air conditioning System	9%
Water Pumping	2%

Figure 1. Connected Load details of campus in different zone

- As per electricity bills observation and analysis, **Total 4 connection of Sanction load is 88.12 kW** College premises. **Major 4 connections bill report sheet shown in the report.**
- As per electricity bills observation and analysis is from **electricity unit (kWh) consume 39778 kWh** for electricity bill in college premises.
- As per electricity bills observation and analysis **Total 12-month bill Paid is & Rs. 442150.00.**
- As per electricity bills observation and analysis, **electricity bill Power Factor varies from 0.72 -1.0.**

Note –Please maintain electricity bill logbook properly in record for monitoring and analysis of

Energy Audit Report on "Bherulal Patidar Govt. P.G. College", Mhow (M.P.)

Page 9



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 14)

b) Proposed Energy Saving Technologies with Cost Economics.

✦ **LIGHTING SYSTEM**

- We appreciate to use **LED Lighting luminaries** at some location as per site visit.
- We observed during visit, few Lights were FTL tube light consuming high electricity.
- We are **suggesting to purchases al electrical** equipment as per star leveling program by Bureau of energy. Efficiency, and will get huge amount of electricity saving.
- We are suggesting conducting regular **Cleaning and maintenance of lighting fixtures** in every 5-6months.To increase performance of Lighting and also improve their Lux level.
- We will get energy saving approximately **15365 kWh** per year and also will get amount saving approximately **Rs. 171932**.
- Per year by replacing conventional FTL Tube light with new energy efficient LED Tube light .
- As per data collection and site visit, Total Connected lighting load at College Campus is **19.55 kW**.
- As per data collection and observation, **Total no. of lighting fixture is 542**

✦ **Ceiling Fan System**

- We observed that most of the Fans installed in campus were conventional.
- We are recommended to **replace 320 no. of 70 W Ceiling fan with New Super energy efficient 5 star rated BLDC ceiling fan** and will get huge amount of electricity saving as per Star leveling program by Bureau of Energy Efficiency.
- We are **suggesting to purchases new energy efficient BLDC fan as per Star leveling program by Bureau of Energy Efficiency, and will get huge amount of electricity saving.**
- Energy Saving calculation **and recommendation for the existing Conventional** Ceiling fans with BLDC super energy efficient fan has been given in this report.
- We are suggesting **conducting regular Cleaning and maintenance** of Fan at least in every 6 months to increase performance of Fan.
- We are also suggesting improving their Air delivery of Fan by Replacing New energy efficient BLDC Fan as per 5 stars leveling of Bureau of energy efficiency.
- We will get energy saving approximately **32256 kWh** per year and also wil get amount saving approximately **Rs. 360945.00** per year by replacing conventional Fan with new energy efficient BLDC fan.
- The total load for Ceiling Fan is **23.17 kW**.
- Total No. of Fan fixtures are **335**.

✦ **Pumping System**

- We observed during Energy Audit and site visit, **1 Pump of Capacity 3 HP were installed** within college campus for drinking water, Flushing and gardening purpose.
- Power consumption of each **3 HP pump was 2.25 kW** as per site visit and measurement.
- We are suggesting purchasing **5 star rated pumps and will get huge amount of saving** as per Star leveling program by Bureau of Energy Efficiency2020.
- We are **suggesting installing Solar Pumping system and will get huge amount of savings.**

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 15)

Other Different Type of Connected Load:

There are different types of other equipment's like Computer, Printer, Xerox machine, Water Cooler, Refrigerator and other lab equipment's are installed at various location and they also contribute electricity consumption

- We suggest to **purchase equipment's as per Star leveling program** by Bureau of Energy Efficiency 2020, and will get huge amount of electricity saving.
- Maintenance of all the equipment's should be done regularly.

c) Saving Highlights

Table 2. Saving Highlights

Total Amount of savings (kWh)	47621	kWh
Total Amount of savings Rs	5.32	Rs. In Lacs
Total Amount of investments	10.41	Rs. In Lacs
Pay Back Period	20	Months

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 16)

Summary of Energy Conservation Measures

Table 3. Summary of Energy Conservation Measures


S.No.	Energy Conservation Measures	Annual Savings		Investment	Payback
		kWh	Rs.	Rs.	Months
LED TUBE LIGHT					
1	Replace 291 no of Existing 40 W FTL Tube light with Energy efficient 18 W LED Tube light.	15365	171934	145500	10
CEILING FAN					
2	Replace 320 no of Existing 70 W Ceiling Fan with Energy efficient Energy Efficient 28 W BLDC Ceiling Fan.	32256	360945	896000	30
		47621	532879	1041500	20

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 17)



CHAPTER-1 INTRODUCTION

1.1 Energy Audit

Energy Audit is an effective means of establishment present efficiency levels and identifying Potential areas of improvement in energy consumption.

Energy audit of utility systems largely helps, which are given below:

- Reducing the energy consumption with resultant reduction in electricity bills.
- Audit involves data collection, data verification and detailed analysis of the data.
- The analysis lead store commendations, which are short term (with minimum investment), medium term (with moderate investment) and long term (with capital expenditure).
- The cost benefit analysis of various energy conservation proposals enables managements to take decisions regarding implementation schedules.

Energy conservation is a worldwide objective to save the human being from possible disaster. Under the mandate of The Energy Conservation Act 2001, the Bureau of Energy Efficiency and Government of India are implementing various programmers to provide momentum of the energy conservation movement in the country. Energy Auditing is most vital part of the conservation of energy. In order to improve the efficiency of the Energy consuming system, energy auditing is the first necessary action to be taken by the concerned firm. Through the energy auditing actual parameters can be detected at each step, which can be compared with the standard achievable parameters. For proper Energy auditing and energy accounting, parameters need to be monitored on regular.

Bherulal Patidar Govt. P.G. College, Mhow. has engaged **SEES ENERGY SOLUTION** for conducting detailed energy audit in their premises for the year of 2022-23.

1.2 Methodology & Approach

The audit involved basic design data collection for various electrical & thermal utilities, kick of meeting with concern departmental engineers & managers , carrying out various field measurements ,performance analysis , loss analysis covering all major energy consuming sections of **Bherulal Patidar Govt. P.G. College, Mhow.** to realistically assess losses mainly in energy consuming utility areas and potential for energy savings. The major areas of study include:

- Building energy bills analysis.
- Electrical supply and distribution system analysis
- Lighting system analysis.
- Water pumping system analysis.
- Buildings envelop analysis.
- Specific Energy Consumption.

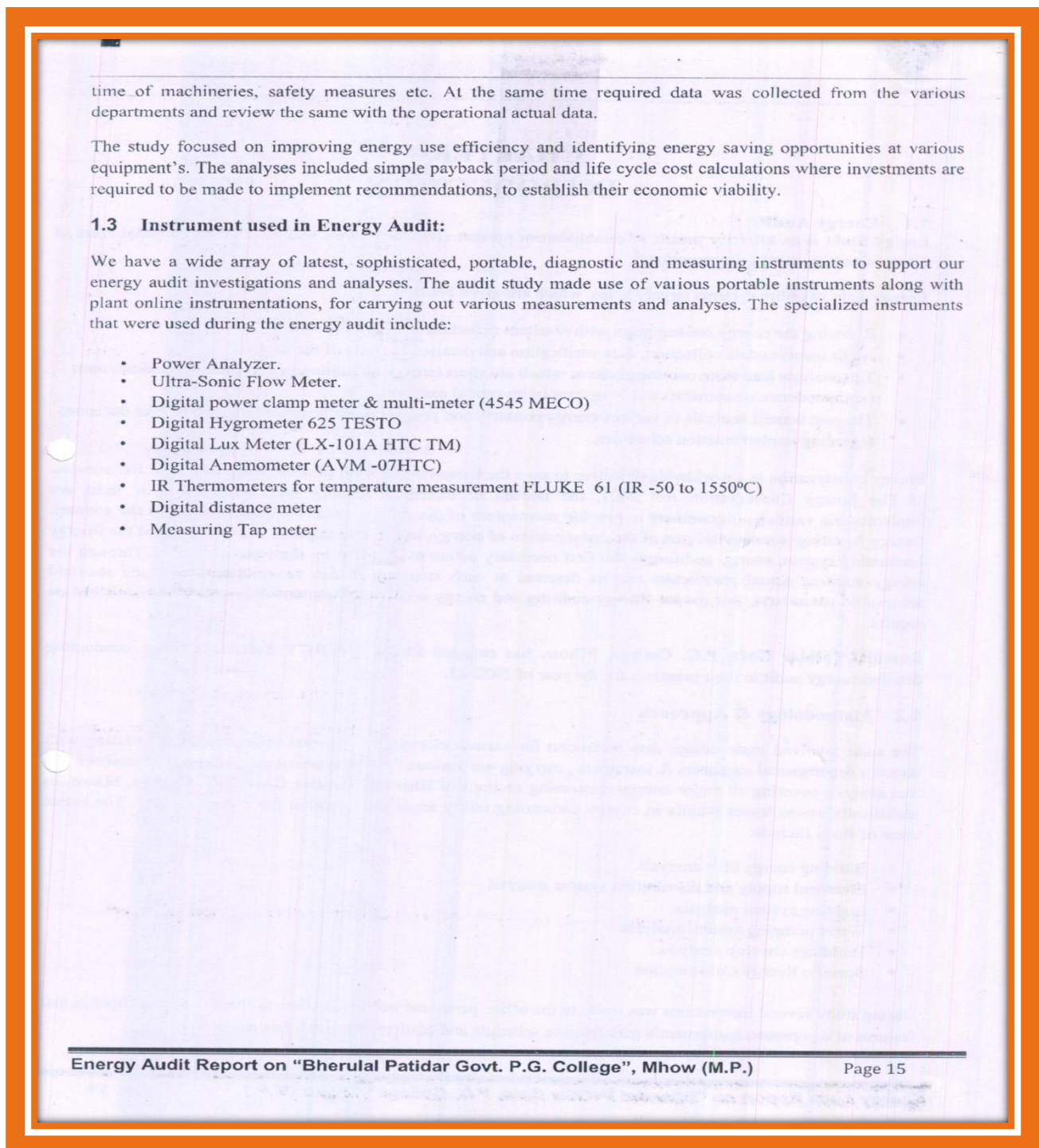
During study several interactions was made to the office personnel and technicians to share the actual operational features of equipment, equipment's maintenance schedule and equipment breakdown, down

Energy Audit Report on "Bherulal Patidar Govt. P.G. College", Mhow (M.P.) Page 14



4.4 Conduction of external audit (other than financial)

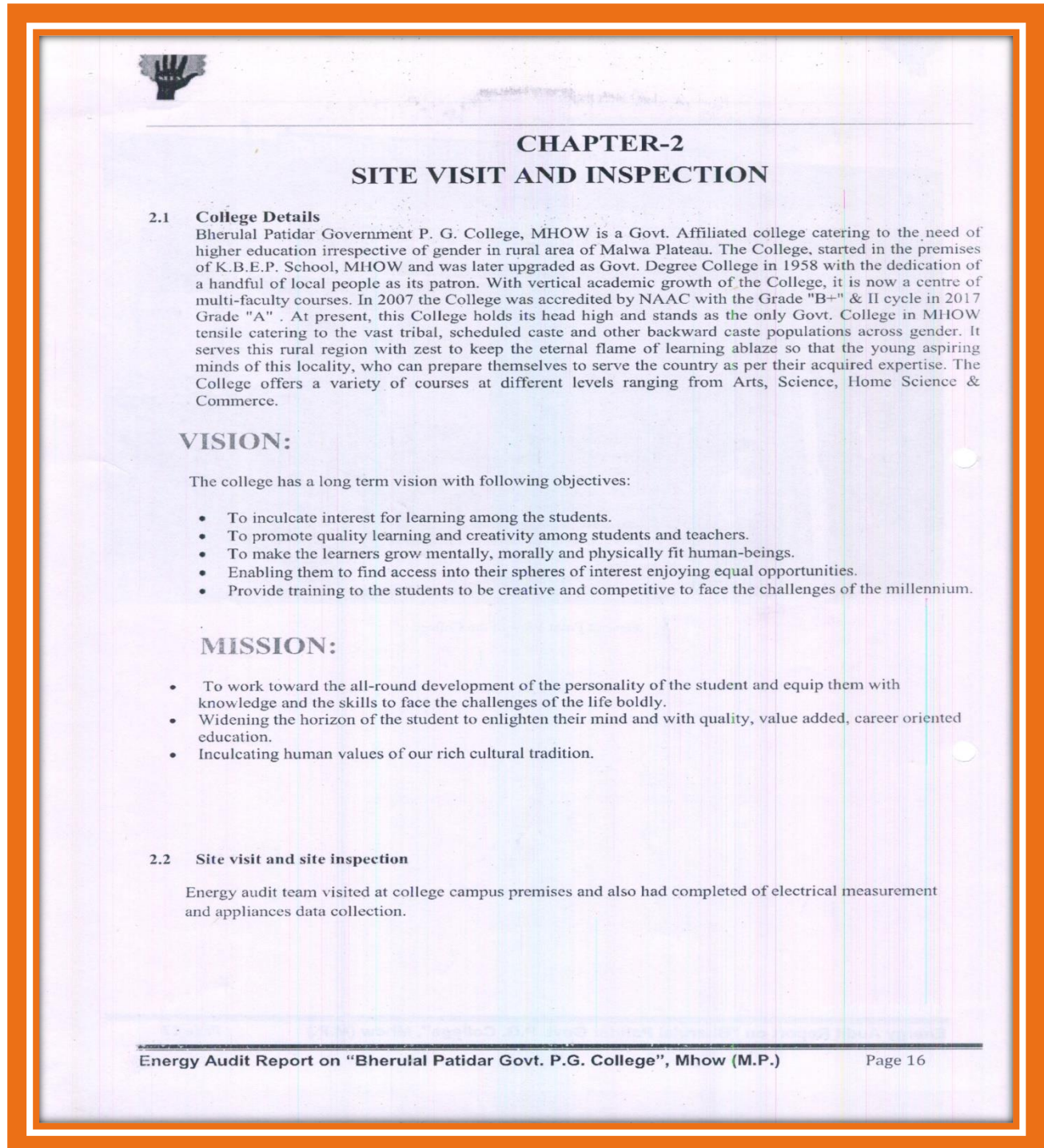
4.4.1 Energy audit report (Page 18)





4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 19)





4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 20)

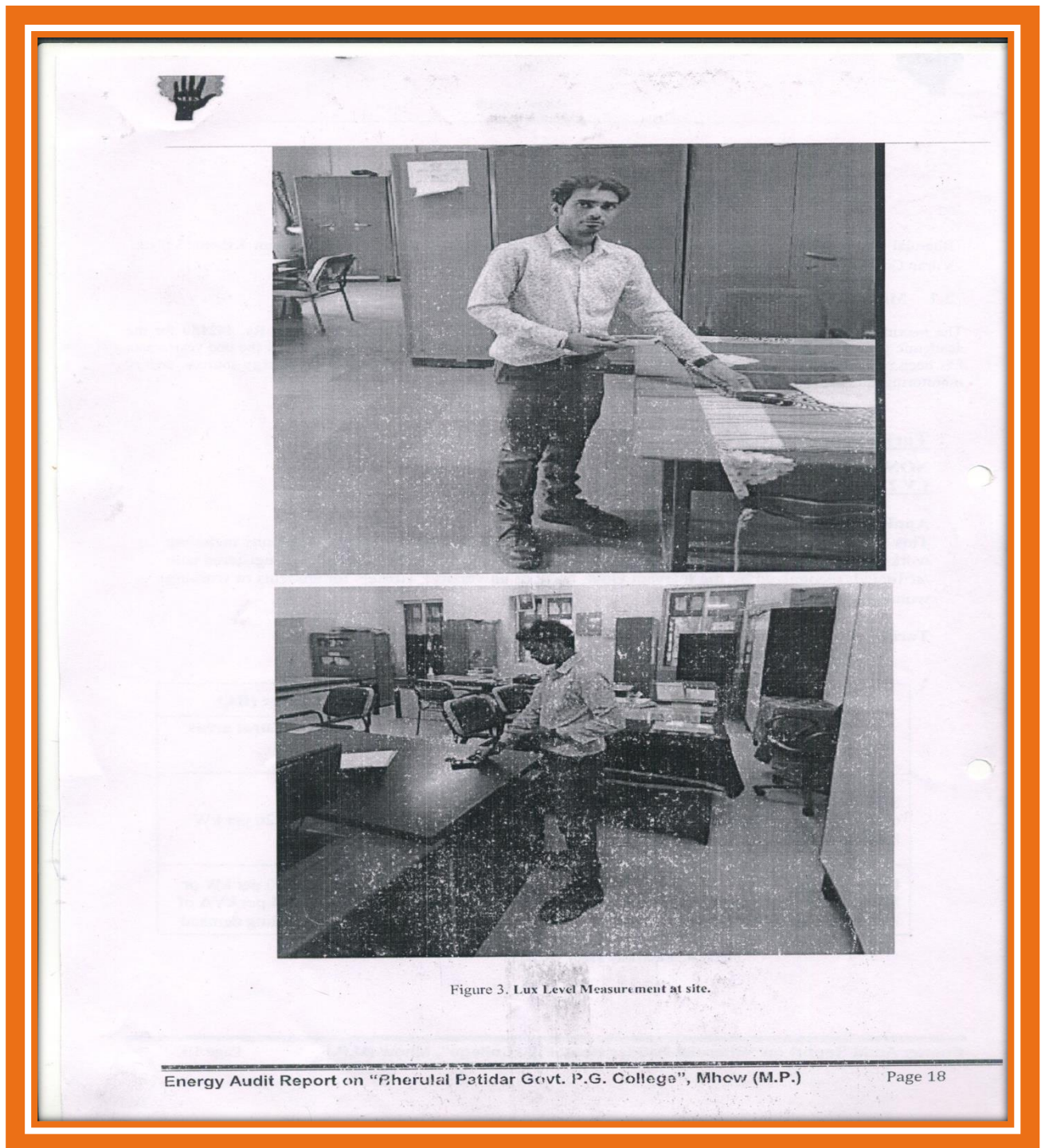


Figure 2 Front View of the College



4.4 Conduction of external audit (other than financial)

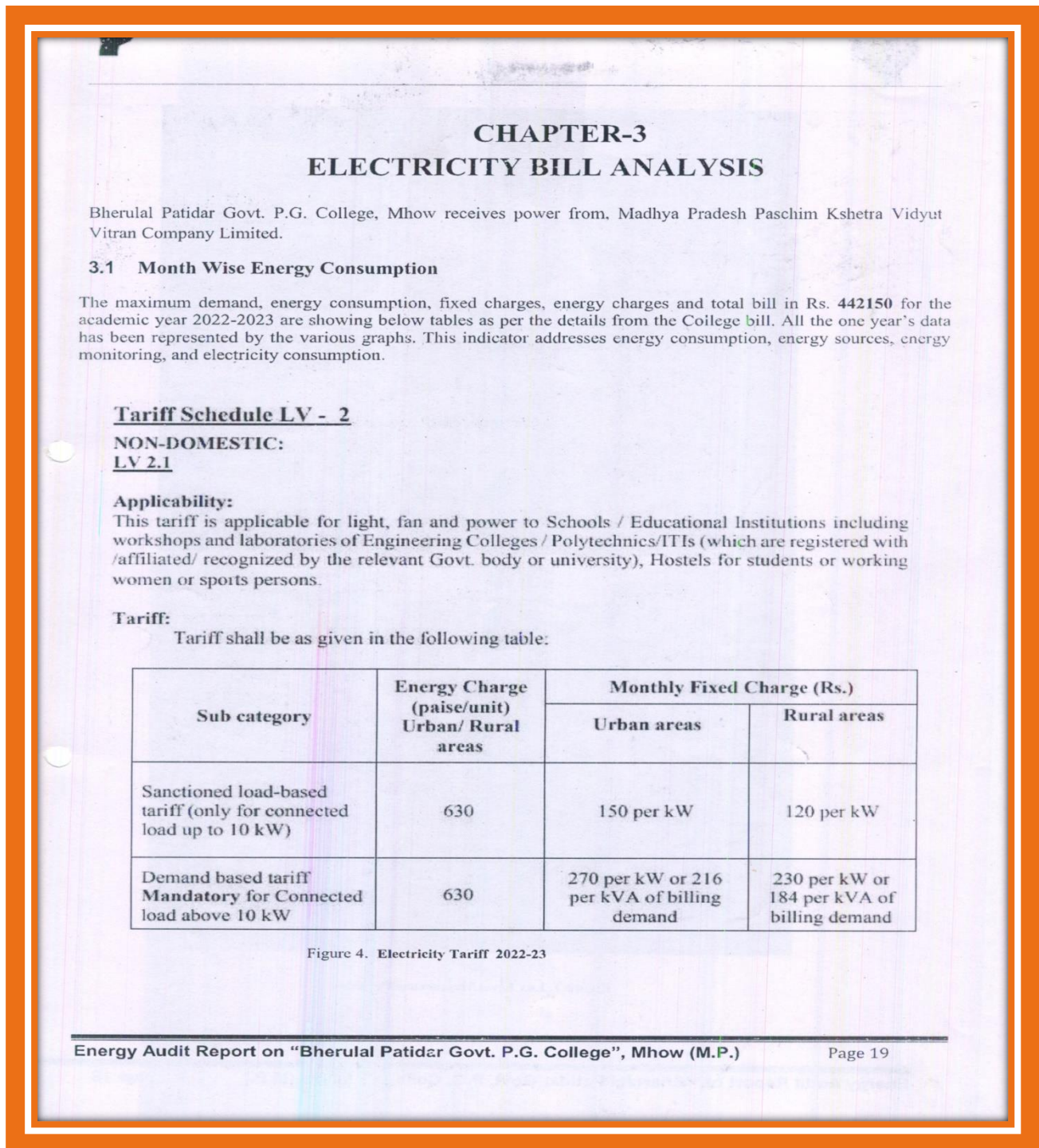
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4.4 Conduction of external audit (other than financial)

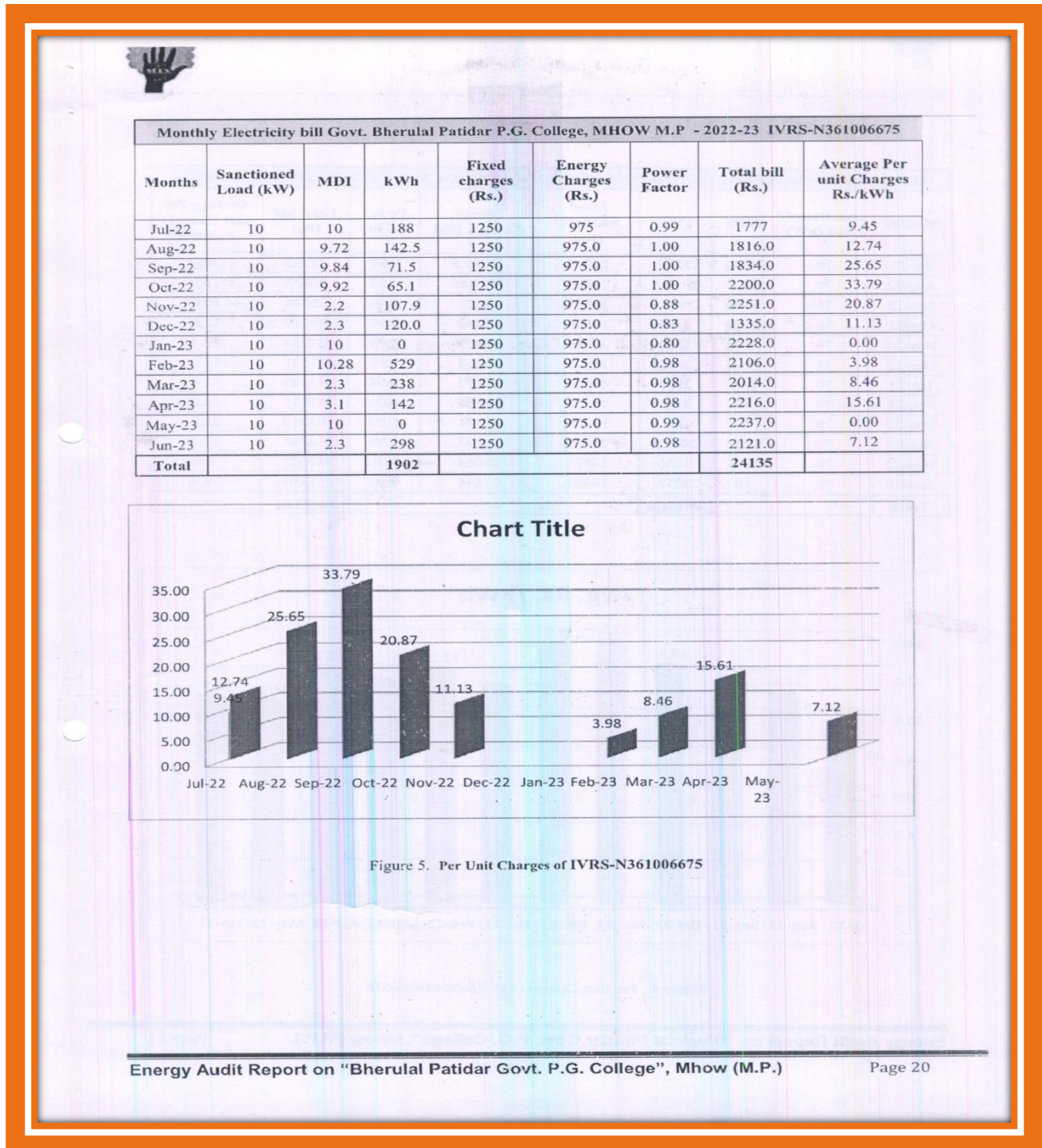
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4.4 Conduction of external audit (other than financial)

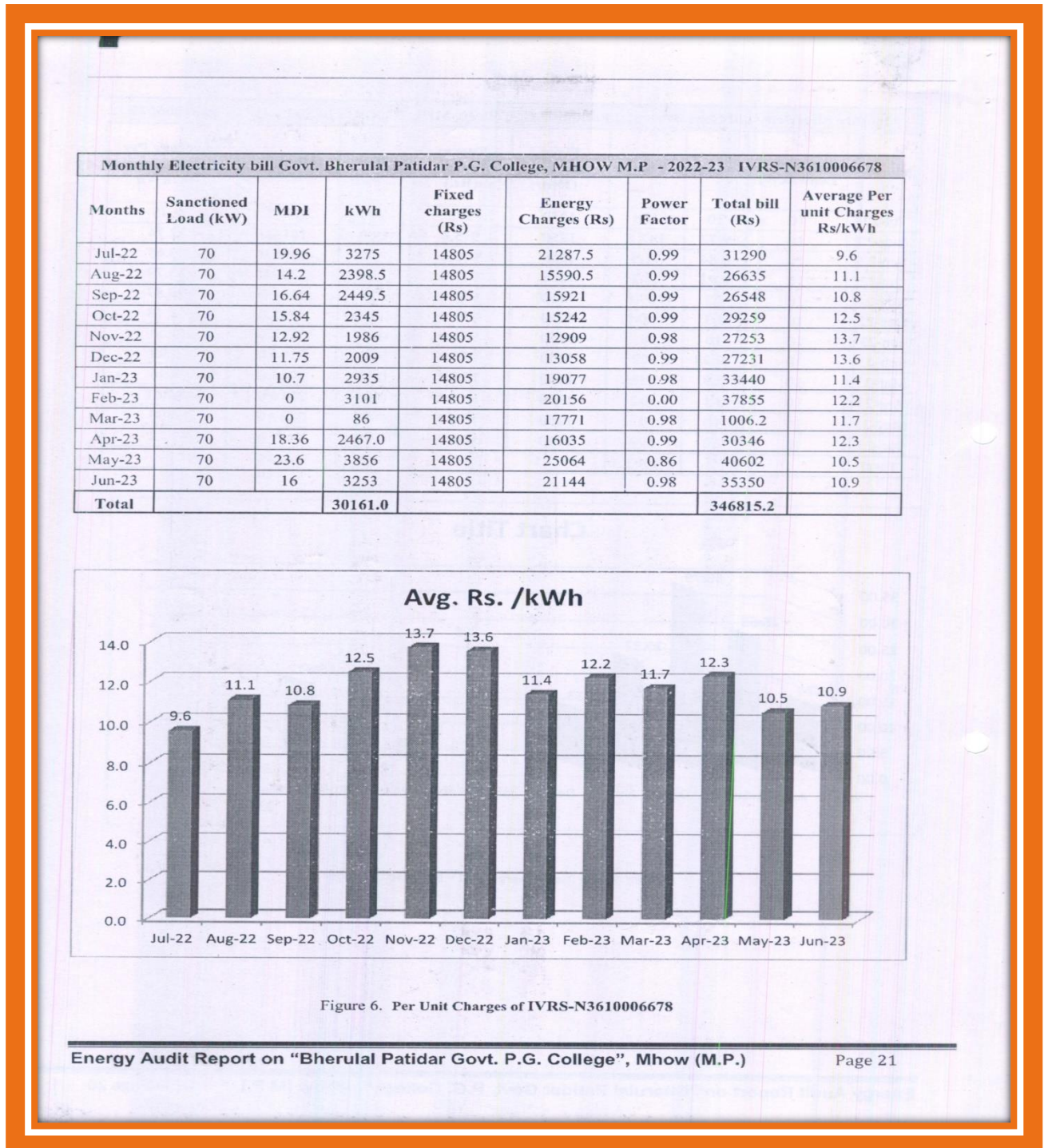
4.4.1 Energy audit report (Page 23)





4.4 Conduction of external audit (other than financial)

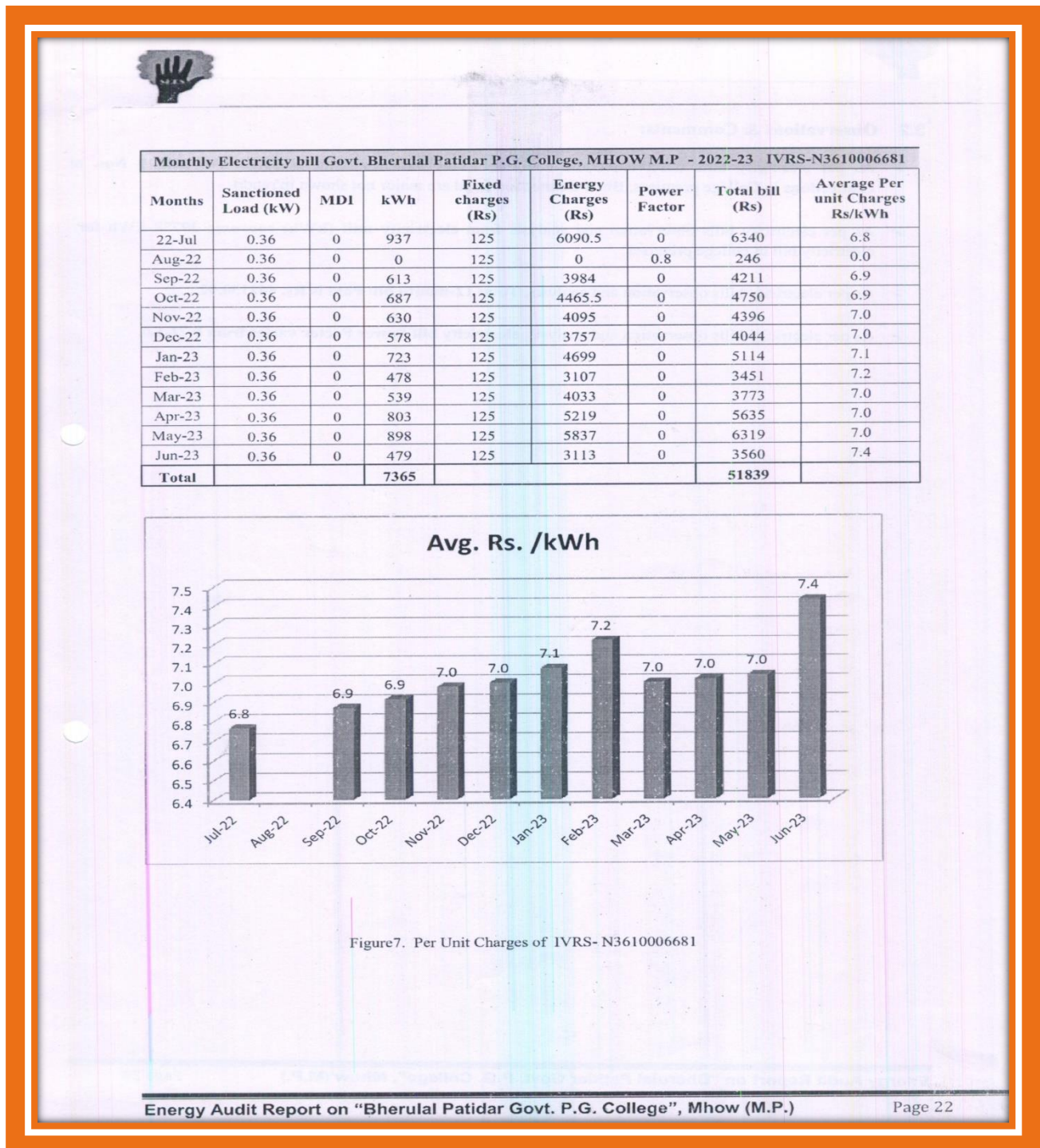
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4.4 Conduction of external audit (other than financial)

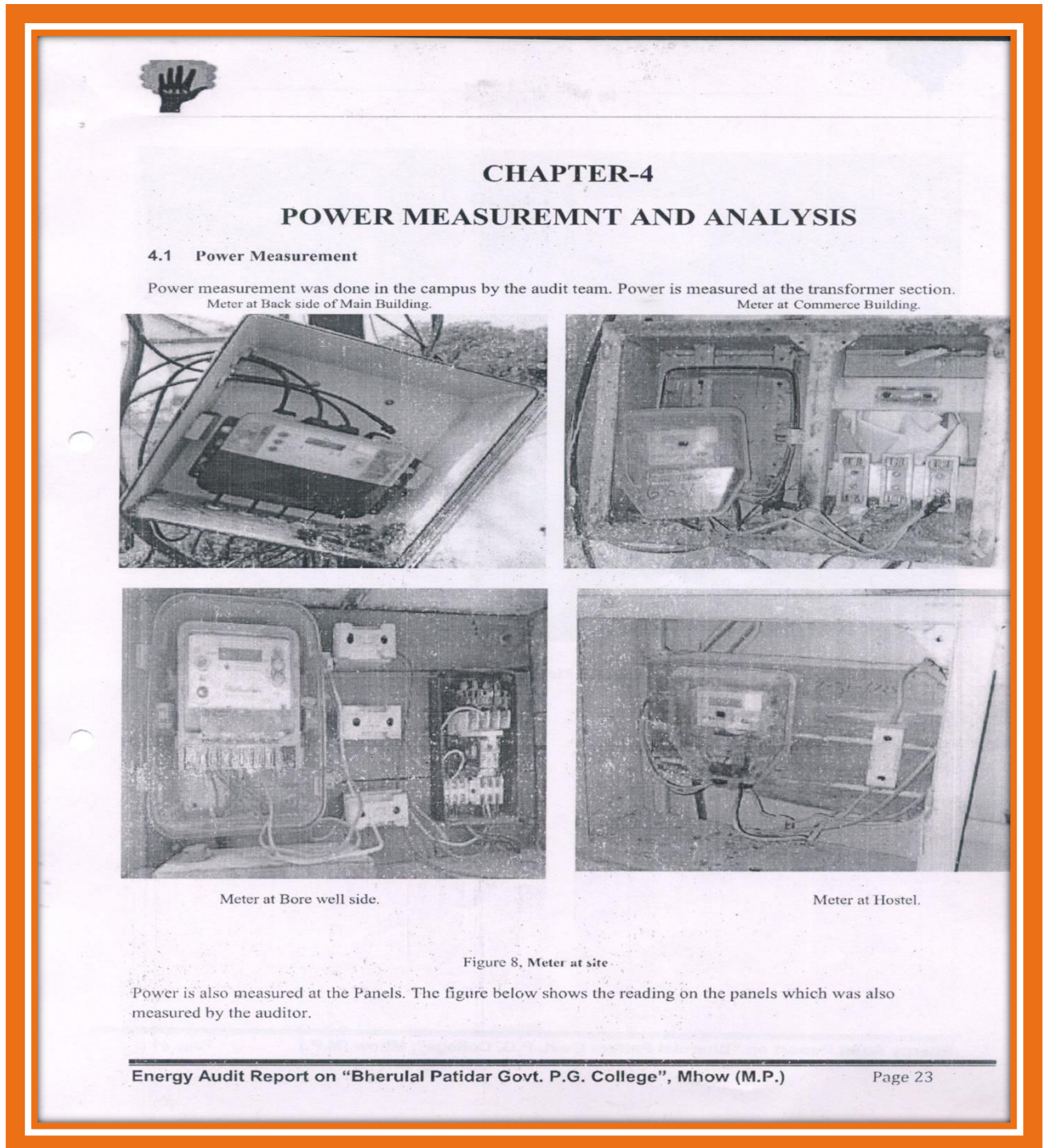
4.4.1 Energy audit report (Page 25)





4.4 Conduction of external audit (other than financial)

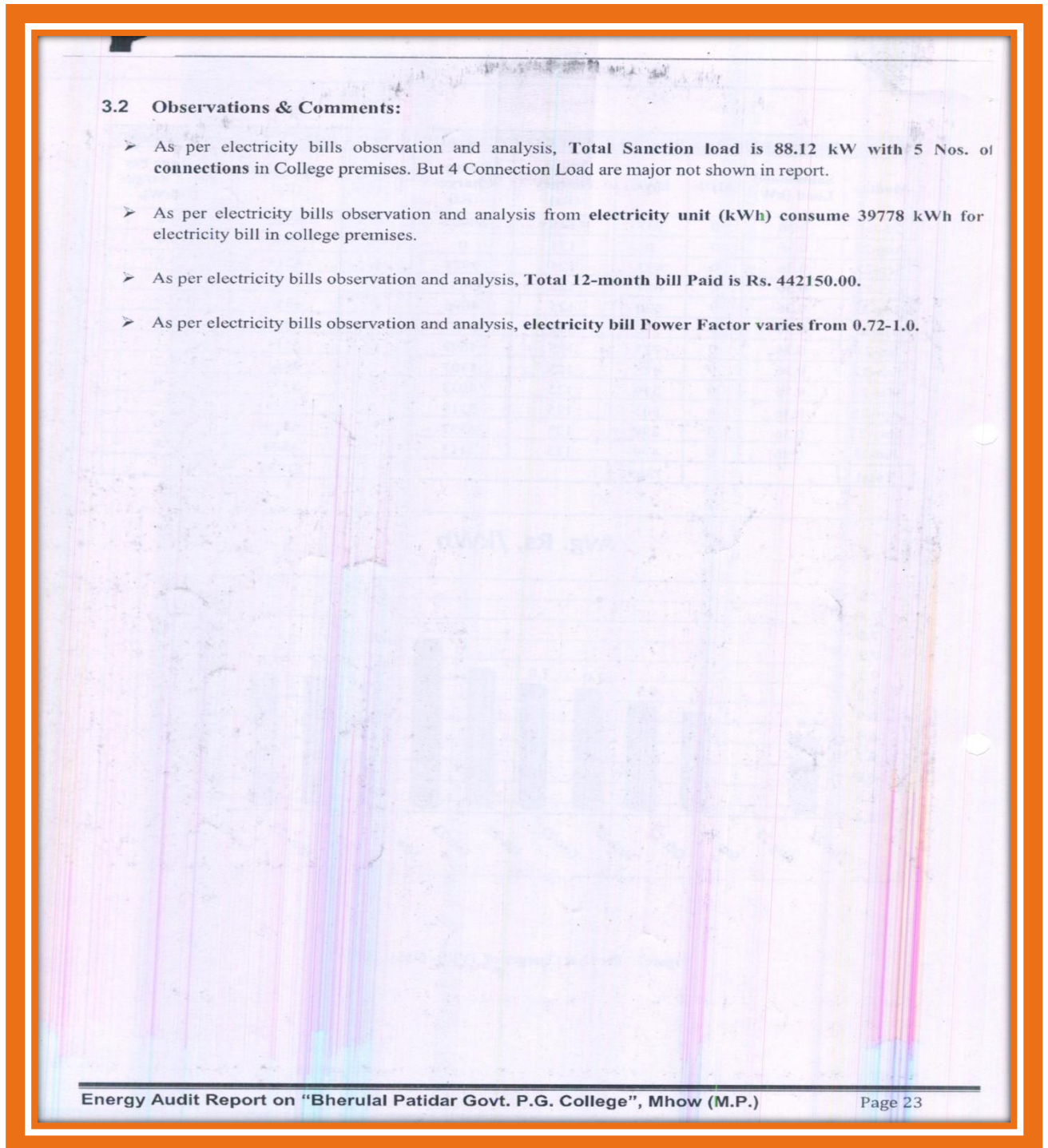
4.4.1 Energy audit report (Page 26)





4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 27)





4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 28)

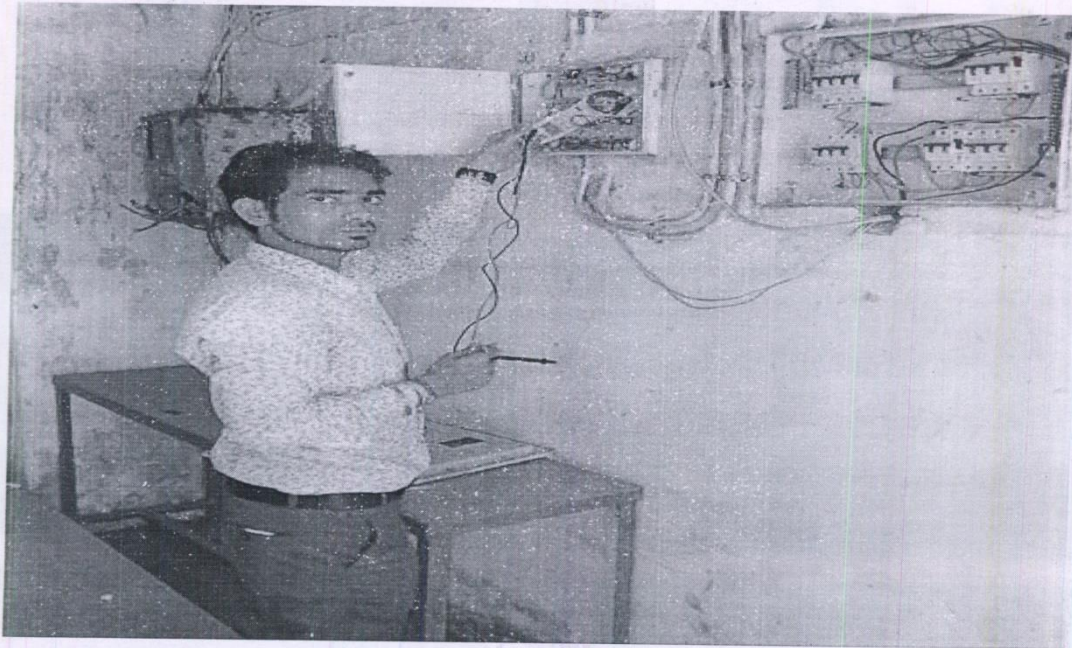



Figure 9- Power Measurement at site.



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 29)



CHAPTER - 5

LIGHTING SYSTEM

5.1 Lighting Fixtures :

The Bherulal Patidar Govt. P.G. College, Mhow has high lighting load and various type of indoor and outdoor lighting fixture are installed in college campus. The Lux measurement was also done at the time of audit. All the parameters are given in the below table:

Table 4. Different type of lighting fixture

Bherulal Patidar Govt. PG College, Mhow Lighting Data.								
Sr. No.	Location	Room	Types of Lighting	No. of Lighting fixture	power (W)	Total Power (W)	Lux level	Remark
OUTDOOR LIGHT								
1	Geography building		Fluorescent-4	2	96	192		
2			Solar LED	1	12	12		
3			Street LED	2	50	100		
4	Commerce Building		Fluorescent-4	6	96	576		
5			Street LED	6	50	300		
6	Main Building		Street LED	5	50	250		
7	Tower halogen		Halide Lamp	4	250	1000		
8	New Building		Street LED	3	50	150		
9	NCC Building		Street LED	3	50	150		
10	Hostel		Fluorescent-4	3	96	288		
11			Street LED	8	50	400		
12	Hostel -2		Street LED	2	50	100		
13			Solar light LED	5	12	60		
14			LED Bulb	1	9	9		
15	Main Entry Corridor		Street LED	5	50	250		
16			Solar Light	5	12	60		
17	Near Guard Room		Solar light	2	12	24		
18			Fluorescent-4	1	96	96		
19	Main Entry Gate		LED Flood Light	1	50	50		
20			LED	1	50	50		
21	Front Of the Vehicle Stand		Street LED	3	50	150		
22	INDOOR LIGHT							
23	Principal Room	Room No.1	LED Tube Light	5	20	100	134-176	
24	Biotech							
25	Biotech/Zoology	Room No.2	FTL	11	40	440	123-200	
26	Biotech/Zoology	Room No.3	LED Tube Light	8	20	160	123-256	
27	Biotech/Zoology	Room No.4	LED Tube Light	4	20	80	197-260	

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 30)

28	Biotech/Zoology	Room No.5	LED Tube Light	1	20	20	74-139	
29	Biotech/Zoology	Room No.7	FTL	5	40	200	130-148	
30	Biotech/Zoology	Room No.8	FTL	5	40	200	143-276	
31	Biotech/Zoology	Room No.9	FTL	7	40	280	124-231	
32	Biotech/Zoology	Room No.10	LED Tube Light	3	20	60	156-287	
33	Library							
34	Library	Room No.11	FTL	10	40	400	121-198	
35	Library	Room No.12	LED Tube Light	1	20	20	97-179	
36	Library	Room No.13	FTL	5	40	200	121-190	
37	Library	Room No.14	FTL	8	40	320	145-191	
38	Library	Room No.15	LED Tube Light	3	20	60	89-192	
39	English	Room No.16	LED Tube Light	3	20	60	145-193	
40	Hindi	Room No.17	LED Tube Light	2	20	40	132-152	
41	Class Room	Room No.18	LED Tube Light	2	20	40	195-201	
42	History	Room No.19	LED Tube Light	2	20	40	132-152	
43	Staff Room	Room No.20	LED Tube Light	5	20	100	195-203	
44	Nehru Hall	Room No.21	FTL	1	40	40	137-187	
45	NCC Room	Room No.22	FTL	20	40	800	145-276	
46		Room No.23	LED Tube Light	3	20	60	128-265	
47	Semester Cell	Room No.24	FTL	5	40	200	112-179	
48	Political	Room No.25	LED Tube Light	3	20	60	123-233	
49	Chemistry Dept.							
50	Chemistry	Room No.26	FTL	6	40	240	91-143	
51	Chemistry	Room No.27	FTL	6	40	240	132-149	
52	Chemistry	Room No.28	LED Tube Light	1	20	20	98-257	
53	Chemistry	Room No.29	LED Tube Light	1	20	20	78-238	
54	Chemistry	Room No.30	LED Tube Light	1	20	20	89-187	
55	Chemistry	Room No.31	LED Tube Light	1	20	20	69-146	
56	Chemistry	Room No.32	FTL	7	40	280	143-289	
57	Chemistry	Room No.33	FTL	13	40	520	198-278	
58	Chemistry	Room No.34	LED Tube Light	5	20	100	130-287	
59	Chemistry	Room No.35	FTL	5	40	200	79-195	
60	Chemistry	Room No.36	LED Tube Light	2	20	40	129-267	
61	Botany Department.							
62	Botany	Room No.37	LED Tube Light	3	20	60	137-150	
63	Botany	Room No.38	FTL	9	40	360	198-251	
64	Botany	Room No.39	FTL	6	40	240	126-281	
65	Class Room	Room No.40	FTL	5	40	200	178-251	
66	Class Room	Room No.41	LED Tube Light	4	20	80	132-187	
67	Store/Wash Room	Room No.42	LED Tube Light	1	20	20	89-128	Low Lighting
68	Store/Wash Room	Room No.43	LED Tube Light	2	20	40	98-198	
69	Store/Wash Room	Room No.44	LED Tube Light	2	20	40	78-124	Low Lighting
70	Class Room	Room No.45	FTL	9	40	360	128-267	
71	Military Sc.							
72	Military Sc.	Room No.46	FTL	10	40	400	152-345	
73	Military Sc.	Room No.47	LED Tube Light	5	20	100	129-265	
74	Exam Control Room	Room No.48	LED Tube Light	8	20	160	198-267	
75	Office	Room No.49	LED Tube Light	1	20	20	89-212	
76	Office	Room No.50	LED Tube Light	7	20	140	178-259	
77	Class Room	Room No.51	LED Tube Light	7	20	140	187-821	

Energy Audit Report on "Bherulal Patidar Govt. P.G. College", Mhow (M.P.)

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 31)

Sl. No.	Room	Room No.	Lighting Fixture	No. of Fixtures	Wattage	Power (kW)	Energy (kWh)	Remarks
78	Class Room	Room No.52	FTL	6	40	240	178-287	
79	Home Science	Room No.53	LED Tube Light	3	20	60	50-80	
80	Home Science	Room No.54	LED Tube Light	3	20	60	189-508	
81	Wash Room	Room No.55	LED Tube Light	1	20	20	178-289	
82	Class Room	Room No.56	LED Tube Light	2	20	40	123-345	
83	Class Room	Room No.57	LED Tube Light	6	20	120	199-328	
84	Sociology	Room No.58	LED Tube Light	2	20	40	179-298	
85	Sociology	Room No.59	LED Tube Light	2	20	40	187-249	
86	Sanskrit	Room No.60	LED Tube Light	2	20	40	127-289	
87	Wash Room	Room No.61	LED Tube Light	2	20	40	89-138	
88	NCC Store	Room No.62	LED Tube Light	1	20	20	92-232	
89	Class Room	Room No.63	FTL	5	40	200	132-325	
90	Maths	Room No.64	LED Tube Light	2	20	40	178-423	
91	Wash Room	Room No.65	LED Tube Light	2	20	40	95-132	
92	B.Sc. Computer	Room No.66	LED Tube Light	5	40	200	165-342	
93	B.Com.	Room No.67	LED Tube Light	7	40	280	117-276	
94	Electronics	Room No.68	LED Tube Light	6	20	120	89-327	
95	Class Room	Room No.69	FTL	6	40	240	112-321	
96	Physics	Room No.70	FTL	16	40	640	92-232	
97	Sports	Room No.71	LED Tube Light	4	20	80	132-325	
98	Room	Room No.72	LED Tube Light	5	40	200	178-423	
99	Room	Room No.73	LED Tube Light	4	20	80	132-298	
100	Room	Room No.74	LED Tube Light	4	20	80	165-342	
101	Room	Room No.75	LED Tube Light	1	20	20	117-276	
102	Room	Room No.76	FTL	4	40	160	102-278	
103	Room	Room No.77	LED Tube Light	2	20	40	139-219	
104	Room	Room No.78	FTL	4	40	160	198-328	
105	Commerce Building							
106	Commerce	Room No.79	LED Tube Light	10	20	200	147-289	
107	Class Room	Room No.80	FTL	12	40	480	123-345	
108	Class Room	Room No.81	FTL	12	40	480	123-321	
109	Class Room	Room No.82	FTL	12	40	480	179-298	
110	Wash Room	Room No.83	LED Tube Light	2	20	40	79-121	Low Lighting
111	Wash Room	Room No.84	FTL	2	40	80	98-134	
112	Class Room	Room No.85	LED Tube Light	12	40	480	122-287	
113	Class Room	Room No.86	FTL	12	40	480	139-288	
114	NSS	Room No.87	LED Tube Light	1	20	20	129-346	
115	Vivekananda c.	Room No.88	LED Tube Light	2	20	40	89-176	
116	Wash Room	Room No.89	FTL	4	40	160	67-87	Low Lighting
117	Wash Room	Room No.90	FTL	4	40	160	89-123	
118	Class Room	Room No.91	LED Tube Light	18	20	360	78-317	
119	Room	Room No.92	LED Tube Light	2	20	40	98-149	
120	Seminar Hall	Room No.94	LED Tube Light	2	20	40	121-199	Low Lighting
121	Store	Room No.95	FTL	10	40	400	145-243	
Total Power Consumption in kW						19.547		
Total no. of Lighting Fixture						542		



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 32)

5.2 Observations & comments:

- We appreciate to use **LED Lighting luminaries** at some location as per site visit.
- We observed during visit, few Lights were FTL tube light consuming high electricity.
- We are **suggesting to purchases al electrical** equipment as per star leveling program by Bureau of energy. Efficiency, and will get huge amount of electricity saving.
- We are suggesting conducting regular **Cleaning and maintenance of lighting fixtures** in every 5-6months.To increase performance of Lighting and also improve their Lux level.
- We will get energy saving approximately **15365 kWh** per year and also will get amount saving approximately **Rs. 171932.**
- Per year by replacing conventional FTL Tube light with new energy efficient LED Tube light .
- As per data collection and site visit, Total Connected lighting load at College Campus is **19.55 kW.**
- As per data collection and observation, **Total no. of lighting fixture is 542**

LED TUBE LIGHT PROPOSAL

Proposal 1

Quotation for replacement of 291 Nos. existing 28 W FTL tube light with Energy efficient Energy Efficient 18 W LED Tube light in College.

Energy Saving	
Total no of Approximate 40 W FTL	291
Replacement of 40 Watt FTL with capacity of 18 Watt LED	18
Average daily running time for 40 Watt FTL in hour	8
Total Energy Consumed by 40 W FTL	40
Total Energy Consumed by 291 no. of 40 Watt FTL kWh per day	93.1
Annual Energy Consumed by 40 Watt FTL (300 working Days) kWh	27936
Annual Energy Consumed by 291 no. of 18 Watt LED in kWh	12571
Prospective Annual Energy Savings in kWh	15365
Annual Savings in Rupees (taking Average Rs.11.19 Per unit charge for 300 day a year)	171932
Initial investment required for 291 no. of 18 Watt LED { Price for @ 500 per 18 Watt}	145500
Payback Period in months only	10
Life of the project years	15
Depreciation Cost Rs	9700.0
ROI {(Net annual savings - Depreciation cost)/ Investment} x 100%	111

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CHAPTER-6							
FAN SYSTEM							
There is various ceiling fan installed at various location in the Bherulal Patidar Govt. P.G. College, Mhow. and they also contribute very high electricity consumption. All of the fans are conventional and hence high energy consuming.							
6.1 Details of Different type off Fans:							
The detail of the fans is given in the below table:							
Table 5. Different type of Fan							
Bherulal Patidar Govt. P.G. College, Mhow, FAN Data.							
Sr. No.	Location	Room	Types of Lighting	No. of Lighting fixture	power (W)	Total Power(W)	Remark
1	Principal Room	Room No.1	Ceiling Fan	4	70	280	
2	Biotech/Zoology	Room No.2	Ceiling Fan	7	70	490	
3	Biotech/Zoology	Room No.3	Ceiling Fan	5	70	350	
4	Biotech/Zoology	Room No.4	Ceiling Fan	2	70	140	
5	Biotech/Zoology	Room No.5	Ceiling Fan	1	70	70	
7	Biotech/Zoology	Room No.7	Ceiling Fan	5	70	350	
8	Biotech/Zoology	Room No.8	Ceiling Fan	5	70	350	
9	Biotech/Zoology	Room No.9	Ceiling Fan	5	70	350	
Library							
10	Library	Room No.10	Ceiling Fan	3	70	210	
11	Library	Room No.11	Ceiling Fan	6	70	420	
12	Library	Room No.12	Ceiling Fan	1	70	70	
13	Library	Room No.13	Ceiling Fan	7	55	385	
14	Library	Room No.14	Ceiling Fan	3	70	210	
15	Library	Room No.15	Ceiling Fan	1	70	70	
16	English	Room No.16	Ceiling Fan	2	70	140	
17	Hindi	Room No.17	Ceiling Fan	2	70	140	
18	Class Room	Room No.18	Ceiling Fan	5	70	350	
19	History	Room No.19	Ceiling Fan	1	70	70	
20	Staff Room	Room No.20	Ceiling Fan	4	70	280	
21	Nehru Hall	Room No.21	Ceiling Fan			0	
22	NCC Room	Room No.22	Ceiling Fan	18	70	1260	
23		Room No.23	Ceiling Fan	2	70	140	
24	Semester Cell	Room No.24	Ceiling Fan	1	70	70	
25	Political	Room No.25	Ceiling Fan	2	70	140	
Chemistry Dept.							
26	Chemistry	Room No.26	Ceiling Fan	4	70	280	
27	Chemistry	Room No.27	Ceiling Fan	2	70	140	
28	Chemistry	Room No.28	Ceiling Fan	1	70	70	
29	Chemistry	Room No.29	Ceiling Fan	1	70	70	
30	Chemistry	Room No.30	Ceiling Fan	1		0	
31	Chemistry	Room No.31	Ceiling Fan	1	70	70	
32	Chemistry	Room No.32	Ceiling Fan	6	70	420	
33	Chemistry	Room No.33	Ceiling Fan	6	70	420	

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BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

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Website: <https://blpgovtpgcollegemhow.ac.in/>



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34	Chemistry	Room No.34	Ceiling Fan	1	70	70	
35	Chemistry	Room No.35	Ceiling Fan	2	70	140	
36	Chemistry	Room No.36	Ceiling Fan	1	70	70	
37	Botany	Room No.37	Ceiling Fan	1	70	70	
38	Botany	Room No.38	Ceiling Fan	2	70	140	
39	Botany	Room No.39	Ceiling Fan	5	70	350	
40	Class Room	Room No.40	Ceiling Fan	5	70	350	
41	Class Room	Room No.41	Ceiling Fan	5	70	350	
42	Store/Wash Room	Room No.42	Exhaust Fan	1	55	55	
43	Store/Wash Room	Room No.43	Exhaust Fan	1	55	55	
44	Store/Wash Room	Room No.44	Exhaust Fan	1	55	55	
45	Class Room	Room No.45	Ceiling Fan	7	70	490	
Military Sc.							
46	Military Sc.	Room No.46	Ceiling Fan	6	70	420	
47	Military Sc.	Room No.47	Ceiling Fan	5	70	350	
48	Exam Control Room	Room No.48	Ceiling Fan	6	70	420	
49	Office	Room No.49	Ceiling Fan	1	70	70	
50	Office	Room No.50	Ceiling Fan	10	70	700	
51	Class Room	Room No.51	Ceiling Fan	7	70	490	
52	Class Room	Room No.52	Ceiling Fan	7	70	490	
53	Home Science	Room No.53	Ceiling Fan	2	70	140	
54	Home Science	Room No.54	Ceiling Fan	2	70	140	
55	Wash Room	Room No.55				0	No Exhaust Fan
56	Class Room	Room No.56	Ceiling Fan	2	70	140	
57	Class Room	Room No.57	Ceiling Fan	8	70	560	
58	Sociology	Room No.58	Ceiling Fan	3	70	210	
60	Sanskrit	Room No.60	Ceiling Fan	1	70	70	
61	Wash Room	Room No.61		1	70	70	No Exhaust Fan
62	NCC Store	Room No.62	Ceiling Fan	1	70	70	
63	Class Room	Room No.63	Ceiling Fan	6	70	420	
64	Maths	Room No.64	Ceiling Fan	1	70	70	
65	Wash Room	Room No.65				0	No Exhaust Fan
66	B.Sc. Computer	Room No.66	Ceiling Fan	3	70	210	
67	B.Com.	Room No.67	Ceiling Fan	6	70	420	
68	Electronics	Room No.68	Ceiling Fan	5	70	350	
69	Class Room	Room No.69	Ceiling Fan	5	70	350	
70	Physics	Room No.70	Ceiling Fan	5	70	350	
71	Sports	Room No.71	Ceiling Fan	4	70	280	
72	Room	Room No.72	Ceiling Fan	4	70	280	
73	Room	Room No.73	Ceiling Fan	1	70	70	
74	Room	Room No.74	Ceiling Fan	2	70	140	
75	Room	Room No.75	Ceiling Fan	1	70	70	
76	Room	Room No.76	Ceiling Fan	2	70	140	
77	Room	Room No.77	Ceiling Fan	1	70	70	
78	Room	Room No.78	Ceiling Fan	2	70	140	
79	Commerce	Room No.79	Ceiling Fan	8	70	560	
80	Class Room	Room No.80	Ceiling Fan	8	70	560	
81	Class Room	Room No.81	Ceiling Fan	8	70	560	
82	Class Room	Room No.82	Ceiling Fan	8	70	560	
83	Wash Room	Room No.83				0	No Exhaust fan
84	Wash Room	Room No.84				0	No Exhaust fan

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85	Class Room	Room No.85	Ceiling Fan	8	70	560	
86	Class Room	Room No.86	Ceiling Fan	8	70	560	
87	NSS	Room No.87	Ceiling Fan	3	70	210	
88	Vivekanand C.	Room No.88	Ceiling Fan	2	70	140	
89	Wash Room	Room No.89	Ceiling Fan	4	55	220	
90	Wash Room	Room No.90				0	No Exhaust fan
91	Class Room	Room No.91	Ceiling Fan	14	70	980	
94	Seminar Hall	Room No.94	Ceiling Fan	2	70	140	
95	Store	Room No.95	Ceiling Fan	6	70	420	
Total Power In kW				23.17			
Total No.				335			

6.2 OBSERVATIONS & COMMENTS

- We observed, most of the Fan was conventional.
- We are recommended to **replace 320 no. of 70 W Ceiling fan with New Super energy efficient 5 star rated BLDC ceiling fan** and will get huge amount of electricity saving as per Star leveling program by Bureau of Energy Efficiency.
- We are **suggesting to purchases new energy efficient BLDC fan as per Star leveling program by Bureau of Energy Efficiency, and will get huge amount of electricity saving.**
- Energy Saving calculation and recommendation for the existing Conventional Ceiling fans with BLDC super energy efficient fan has been given in this report.
- We are suggesting **conducting regular Cleaning and maintenance** of Fan at least in every 6 months to increase performance of Fan.
- We are also suggesting improving their Air delivery of Fan by Replacing New energy efficient BLDC Fan as per 5 stars leveling of Bureau of energy efficiency.
- We will get energy saving approximately **32256 kWh** per year and also will get amount saving approximately **Rs. 360945** per year by replacing conventional Fan with new energy efficient BLDC fan.
- The total load for Ceiling Fan is **23.17 kW**.
- Total No. of Fan fixtures are **335**.



4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 36)

Energy Saving	
Total no of Approximate 70 W Ceiling Fan	320
Replacement of 70Watt Ceiling Fan with capacity of 28 Watt BLDC Fan	28
Average daily running time for 70 Watt Ceiling Fan in hour	8
Total Energy Consumed by 70 W Ceiling Fan	70
Total Energy Consumed by 320 no. of 70 Watt Ceiling Fan kWh per day	179.2
Annual Energy Consumed by 70 Watt Ceiling Fan (300 working Days) kWh	53760
Annual Energy Consumed by 320 no. of 28 Watt Ceiling Fan in kWh	21504
Prospective Annual Energy Savings in kWh	32256
Annual Savings in Rupees (taking Average Rs. 11.19 Per unit charge for 300 day a year)	360945
Initial investment required for 320 no. of 28 Watt Ceiling Fan(Price for BLDC Fan @ 2800 per 28 Watt BLDC Fan)	896000
Payback Period in months only	30
Life of the project years	15
Depreciation Cost Rs	59733
ROI {(Net annual savings – Depreciation cost)/ Investment} x 100%	34


CHAPTER - 7

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4.4 Conduction of external audit (other than financial)

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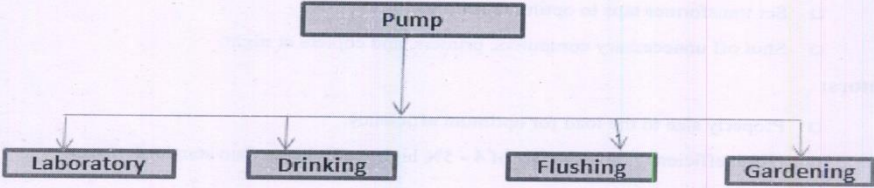


CHAPTER -8

PUMPING SYSTEM

8.1 Submersible Pumps

There is 1 no. of 3 HP capacity of submersible pump installed within college campus for drinking water, Flushing and gardening purpose.



```
graph TD; Pump --> Laboratory; Pump --> Drinking; Pump --> Flushing; Pump --> Gardening;
```

Table 7. Major usage area of pump

Pumps Details:

Pump Details Govt. Girls College, Indore.						
Sr. No.	Location	Location of Pump	Types of Pumps	No. of Pump	Power (HP)	Total Power (KW)
1	College Campus	Back side	Submersible Pump	1	3	2.25
Total Power in kW						2.25

Observation and Comments

- We observed during Energy Audit and site visit, **1 Pumps, of Capacity 3HP within** College campus for drinking water, Flushing and gardening purpose.
- Power consumption of 3 HP pump was **2.25** as per site visit and measurement.
- We are suggesting purchasing **5 star rated pumps and will get huge** amount of saving as per Star leveling program by Bureau of Energy Efficiency 2020.
- We are **suggesting installing Solar Pumping system and will get huge** amount of savings.


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OTHER EQUIPMENTS LOAD

There are different types of other equipment's like Printer, PC, Water Cooler, Refrigerator and other lab equipment's are installed at various locations in the College, Indore and they also contribute electricity consumption.

7.1 Different Type Other Equipment's

Table 6. Different type of equipment system

Other Equipments location wise Bherulal Patidar College, Mhow.						
Sr. No.	Location	Location of Product	Type of Product	Number of Product	Power (Watts)	Total Power (Watts)
1			PC	101	100	10100
2			Printer	21	650	13650
3			Fridge	6	350	2100
4			Water cooler	3	575	1725
5			Air Conditioner	10	1800	18000
6			Air Cooler	3	300	900
7			Podium	1	60	60
8			Digital Board	13	200	2600
9			Projector	12	200	2400
10			Photocopy Machine	7	750	5250
11			Inventer	15	650	9750
Total Power in kW						66.5

7.2 Observations & Comments


- Total Connected load **66.5 kW**.
- We suggest to **purchase equipment's as per Star leveling program** by Bureau of Energy Efficiency 2020, and will get huge amount of electricity saving.
- Maintenance of all the equipment's should be done regularly.

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CHAPTER-09
GENERAL TIPS FOR ENERGY CONSERVATION
IN DIFFERENT UTILITIES SYSTEMS

Electricity:

- Schedule your operations to maintain a high load factor
- Minimize maximum demand by tripping loads through a demand controller
- Use standby electric generation equipment for on-peak high load periods.
- Correct power factor to at least 0.99 under rated load conditions.
- Set transformer taps to optimum settings.
- Shut off unnecessary computers, printers, and copiers at night.

Motors:

- Properly size to the load for optimum efficiency.
- (High efficiency motors offer of 4 - 5% higher efficiency than standard motors)
- Check alignment.
- Provide proper ventilation
- (Forevery 10°C increase in motor operating temperature over recommended peak, the motor life is estimated to be halved)
- Check for under-voltage and over-voltage conditions.
- Balance the three-phase power supply.
- (An Imbalanced voltage can reduce 3 - 5% in motor input power)
- Demand efficiency restoration after motor rewinding.

Fans:


- Use smooth, well-rounded air inlet cones for fan air intakes.
- Avoid poor flow distribution at the fan inlet.
- Minimize fan inlet and outlet obstructions.
- Clean screens, filters, and fan blades regularly.
- Use aero foil-shaped fan blades.
- Minimize fan speed.
- Use variable speed drives for large variable fan loads.

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Pumps:

- Operate pumping near best efficiency point.
- Modify pumping to minimize throttling.
- Adept to wide load variation with variable speed drives or sequenced control of smaller units.
- Stop running both pumps -- add an auto-start for an on-line spare or add a booster pump in the problem area.
- Use booster pumps for small loads requiring higher pressures.
- Increase fluid temperature differentials to reduce pump ingrates.
- Repair seals and packing to minimize water waste.
- Balance the system to minimize flows and reduce pump power requirements.
- Use siphon effect to advantage: don't waste pumping head with a free-fall (gravity) return.

Lighting:

- Reduce excessive illumination levels to standard levels using switching: decamping, etc. (Know the electrical effects before doing decamping.)
- Aggressively control lighting with clock timers, delay timers, photocells, and/or occupancy sensors.
- Install efficient alternatives to incandescent lighting, mercury vapor lighting, etc. Efficiency (lumens/watt) of various technologies range from best to worst approximately as follows: low pressure sodium, high-pressure sodium, metal halide, fluorescent, mercury vapor, incandescent.
- Select ballasts and lamps carefully with high power factor and long-term efficiency in mind.
- Upgrade obsolete fluorescent systems to Compact fluorescents and electronic ballasts
- Consider lowering the fixtures to enable using less of them.
- Consider day lighting, skylights, etc.
- Consider painting the walls a lighter color and using less lighting fixtures or lower wattages.
- Use task lighting and reduce back ground illumination.
- Re-evaluate exterior lighting strategy, type, and control. Control it aggressively.
- Change exit signs from incandescent to LED.

DG Sets:

- Optimize loading
- Use waste heat to generate steam/hot water /power an absorption chiller or preheat process or utility feeds.


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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 41)



- Clean air filters regularly
- Insulate exhaust pipes to reduce DG set room temperatures
- Use cheaper heavy fuel oil for capacities more than 1 MW

Buildings:

- Seal exterior cracks/openings/gaps with caulk, gasketing, weather stripping, etc.
- Consider new thermal doors, thermal windows, roofing insulation, etc.
- Install windbreaks near exterior doors.
- Replace single-pane glass with insulating glass.
- Consider covering some window and skylight areas with insulated wall panels inside the building.
- If visibility is not required but light is required, consider replacing exterior windows with insulated glass block.
- Consider tinted glass, reflective glass, coatings, awnings, overhangs, draperies, blinds, and shades for sunlit exterior windows.
- Use landscaping to advantage.
- Add vestibules or revolving doors to primary exterior personnel doors.
- Use intermediate doors in stairways and vertical passages to minimize building stack effect.
- Use dock seals at shipping and receiving doors.
- Bring cleaning personnel in during the working day or as soon after as possible to minimize lighting and HVAC costs.

Waste & Waste water:

- Recycle water, particularly for uses with less-critical quality requirements.
- Recycle water, especially if sewer costs are based on water consumption.
- Balance closed systems to minimize flows and reduce pump power requirements.
- Eliminate once-through cooling with water.
- Use the least expensive type of water that will satisfy the requirement.
- Fix water leaks.
- Test for underground water leaks. (It's easy to do over a holiday shutdown.)
- Check water overflow pipes for proper operating level.


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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 42)



- Automate blow down to minimize etc.
- Provide proper tools for wash down -- especially self-closing nozzles.
- Install efficient irrigation.
- Reduce flows at water sampling stations.
- Eliminate continuous overflow at water tanks.
- Promptly repair leaking toilets and faucets.
- Use water restrictors on faucets, showers, etc.
- Use self-closing type faucets in rest rooms.
- Use the lowest possible hot water temperature.
- Use freeze protection valves rather than manual bleeding of lines.
- Consider leased and mobile water treatment systems, especially for deionizer water.
- Seal sumps to prevent seepage inward from necessitating extra sump pump operation.
- Install pretreatment to reduce TOC and BOD surcharges.
- Verify the water meter readings. (You'd be amazed how long a meter reading can be estimated after the meter breaks or the meter pit fills with water!)
- Verify the sewer flows if the sewer bills are based on them.

Miscellaneous:

- Meter any unmetered utilities. Know what normal efficient use is. Track down causes of deviations.
- Shut down spare, idling, or unneeded equipment.
- Make sure that all of the utilities to redundant areas are turned off -- including utilities like cooling water.
- Install automatic control to efficiently coordinate, chillers, cooling tower cells, etc.
- Renegotiate utilities contracts to reflect current loads and variations.
- Consider buying utilities from neighbors, particularly to hand peaks.
- Minimize use of flow bypasses and minimize bypass flow rates.
- Consider alternatives to high-pressure drops across valves.
- Turn off winter heat tracing that is on in summer.

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 43)

Annexure - 1	
Standard Lux Level	
Activity	Illumination (lux, lumen/m ²)
Public areas with dark surroundings	20 - 50
Simple orientation for short visits	50 - 100
Working areas where visual tasks are only occasionally performed	100 - 150
Warehouses, Homes, Theaters, Archives	150
Easy Office Work, Classes	250
Normal Office Work, PC Work, Study Library, Groceries, Show Rooms, Laboratories	500
Supermarkets, Mechanical Workshops, Office Landscapes	750
Normal Drawing Work, Detailed Mechanical Workshops, Operation Theatres	1,000
Detailed Drawing Work, Very Detailed Mechanical Works	1500 - 2000
Performance of visual tasks of low contrast and very small size for prolonged periods of time	2000 - 5000
Performance of very prolonged and exacting visual tasks	5000 - 10000
Performance of very special visual tasks of extremely low contrast and small size	10000 - 20000

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 44)

Annexure - 2
Energy saver for air conditioning system

PATENT PUBLISHED

Airtron is the World's First & Only Programmable, Dual-Sensor Driven Microprocessor which saves up to 35% Electricity on all Air Conditioners with Precision Control of Set Temperature and a payback of barely 4-6 months.

IMPORTANT VALIDATIONS
N.B. The Set Temp. was the Same WITH / WITHOUT the Airtron.

SL. NO.	NAME OF THE COMPANY	COUNTRY	AC TYPE	SAVINGS
1	ENERGY EFFICIENCY SERVICES LTD. (EESL GOVT. OF INDIA)	INDIA	SPLIT	44.00%
2	L.G. ELECTRONICS INDIA LTD.	INDIA	SPLIT (INVERTER)	26.00%
3	VIDEOCON TELECOM	INDIA	SPLIT	20.00%
4	TATA COMMUNICATION LTD.	INDIA	SPLIT	28.30%
5	LARSEN & TOUBRO LTD.	INDIA	SPLIT	25.80%
6	TATATELE SERVICES LTD.	INDIA	SPLIT	33.00%
7	TATA POWER LTD.	INDIA	SPLIT	37.50%
8	ASHOK LEYLAND LTD.	INDIA	WINDOW	29.40
9	ZENITH ENERGY (BEE ACCREDITED ENERGY AUDITOR)	INDIA	SPLIT	37.00%
10	ACCENTURE SERVICES PVT. LTD.	INDIA	SPLIT	37.00%
11	M/S. UNIC MAGNATE	INDIA	SPLIT	58.00%
12	SATURN PYRO (UTIM REGISTRATION OFFICE)	MALAYSIA	CEILING-SPLIT	36.00%
13	SATURN PYRO (AT MALAYSIA POLICE H.Q.)	MALAYSIA	WALL-SPLIT	34.00%
14	CPE ENERGY SDN BHD	MALAYSIA	SPLIT	57.00%

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4.4 Conduction of external audit (other than financial)


4.4.1 Energy audit report (Page 45)

Annexure – 3


Super Energy efficient BLDC Ceiling Fan

	900 mm	1050 mm	1200 mm	1400 mm
Warranty (Years)	3 Years	3 Years	3 Years	3 Years
Blade Span (mm/inch)	900/36	1050/42	1200/48	1400/56
RPM	450	430	350	270
Service Value	7.1	6.6	7.8	7.7
Input Voltage (V)	140-285	140-285	140-285	140-285
Power Consumption (W)	28	32	28	35
Frequency (Hz)	48-52	48-52	48-52	48-52
Air Delivery (CMM)	200	210	220	270
Power Factor	>0.98	>0.98	>0.98	>0.99
No. of Blades	3	3	3	3
Bearing (Double)	Deep Groove Double Sided Steel Shielding			
Remote Control (12 Keys)	Speed Control, Boost Mode, Timer and Sleep Mode			

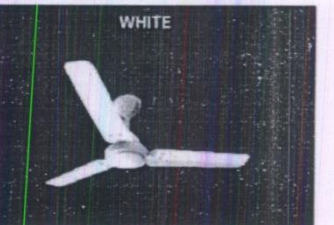
IVORY



MATT BROWN



WHITE



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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 46)

Parameters	Ordinary Fan	5 Star Rated Fan	Super-Efficient Fan
Wattage	75	50	28
RPM (speed)	380	330	360-380
CMM (air delivery)	230	210	220-230
Power factor	>0.9	>0.95	>0.99
Regulator	Yes	Yes	Not Required (Remote controlled)
Input Voltage	230	230	140-285V
Warranty	1-2 year	1-2 year	3 years
MRP	1300-1600	1800-2500	3690

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4.4 Conduction of external audit (other than financial)

4.4.1 Energy audit report (Page 48)

Save Energy
LIFE
LEB bulbs use 74% less energy than incandescent lighting.

मिशन LIFE के तीन चरण हैं -

- मांग में बदलाव (Change in Demand):**- आम जन जो अपने दैनिक जीवन में सरल लेकिन प्रभावी पर्यावरण अनुकूल बदलाव करने हेतु प्रेरित करना।
- आपूर्ति में बदलाव (Change in Supply):**- बड़े पैमाने पर व्यक्तिगत मांग में बदलाव के आधार पर उद्योगों एवं बाजारों की मांग एवं आपूर्ति के पैटर्न में बदलाव।
- नीतिगत बदलाव (Change in Policy):**- मिशन LIFE की दीर्घकालिक दृष्टि बड़े पैमाने पर औद्योगिक और सरकारी नितियों में बदलाव को गति प्रदान करना है, जो स्थायी खपत और पर्यावरण अनुकूल उत्पादन का समर्थन कर सके।

संघप्रदेश ऊर्जा विकास निगम लिमिटेड
पर्याय एवं नवकरणीय ऊर्जा विभाग
भोपाल

Curb Carbon Emissions
LIFE
Solar Power Plant

मिशन लाइफ़ के मुख्य बिन्दु

- ऊर्जा की बचत
- पानी की बचत
- एकल उपयोग प्लास्टिक को ना बर्से
- टिकाऊ/सतत खाद्य प्रणालियों को अपनाना
- घरों अपशिष्ट को कम करना
- ई-वेस्ट को कम करना
- स्वास्थ्य जीवन शैली को अपनाना

सौर संयंत्र को उपयोग में ऊर्जा को आवश्यकता को पूर्ण के साथ ही राष्ट्रीय उत्पन्न भी दीर्घित किया जा सकता है।

	एल.ई.डी. की बचत एवं दुरुबनवाई का उपयोग करें		सामंजसिक, पर्यावरण का अधिकाधिक उपयोग करें
	सम्भवतः लिफ्ट को स्थान पर सीढ़ियों का इस्तेमाल करें		साल बत्ती होने पर वाहन का इन्वीजन बन्द करें
	कम दूरी के लिए पैदल जाएँ या साइकिल का उपयोग करें		उपयोग न होने पर लिफ्टों के इन्वर्णों क्षेत्रों-सिंक्राई पर्य अपरि को बंद करें

संघप्रदेश ऊर्जा विकास निगम लिमिटेड
पर्याय एवं नवकरणीय ऊर्जा विभाग
भोपाल

Scanned with CamScanner



5. CASE STUDY

5.1 Detailed report of Case study

Procurement of Double Beam UV-Visible Spectrophotometer Instrument for Bherulal Patidar Govt. P.G. College, MHOW under RUSA (World Bank)

Introduction:

Bherulal Patidar Government Post Graduate College, situated in MHOW, is dedicated to providing high-quality education and fostering research activities. In line with its commitment to academic excellence, the college initiated a project to procure a Double Beam UV-Visible Spectrophotometer instrument. This case study outlines the process undertaken by the college to acquire this essential equipment through the Rashtriya Uchcharat Shiksha Abhiyan (RUSA) scheme.

Context:

The significance of practical-based learning and research in the field of chemistry and allied sciences prompted the need for a Double Beam UV-Visible Spectrophotometer instrument at Bherulal Patidar Govt. P.G. College, MHOW. The absence of such advanced equipment was limiting the college's ability to provide hands-on training to students and conduct meaningful research projects. Thus, the college administration sought funding through RUSA (World Bank) to bridge this gap and enhance the quality of education and research.

Project Objective:

The primary objective of the project was to augment the research infrastructure of Bherulal Patidar Govt. P.G. College, MHOW by procuring a state-of-the-art Double Beam UV-Visible Spectrophotometer instrument. This instrument aimed to empower students and faculty members to conduct sophisticated spectroscopic analysis, thereby fostering a culture of scientific inquiry and innovation within the institution.



Implementation:

1. Need Assessment:

A thorough needs assessment was conducted by the college administration and faculty members to identify the requirements for the Double Beam UV-Visible Spectrophotometer instrument. This assessment underscored the instrument's potential impact on enhancing teaching and research activities at the college.

2. RUSA Grant Application:

Building upon the identified need, a comprehensive grant application was prepared, aligning with the guidelines stipulated by RUSA (World Bank). The application delineated the necessity of the Double Beam UV-Visible Spectrophotometer instrument, its anticipated benefits, and a detailed budget estimate for its procurement and installation.

3. Grant Approval and Budget Allocation:

Following a meticulous review process, the grant application received approval from the RUSA (World Bank) authorities. Subsequently, a budget allocation was made to Bherulal Patidar Govt. P.G. College, MHOW specifically designated for the procurement of the Double Beam UV-Visible Spectrophotometer instrument.

4. Vendor Selection and Procurement:

To ensure transparency and efficiency, the college constituted a procurement committee comprising faculty members and administrative personnel. Through a competitive bidding process, a reputable vendor offering high-quality Double Beam UV-Visible Spectrophotometer instruments at a competitive price was selected. The procurement process adhered to all relevant guidelines and regulations.

5. Installation and Training:

Upon successful procurement, the Double Beam UV-Visible Spectrophotometer instrument was installed in the zoology and chemistry laboratory of the college under the supervision of experienced technicians. Subsequently, comprehensive training sessions were organized for faculty members and students to acquaint them with the operation, maintenance, and



applications of the instrument. This ensured optimal utilization of the equipment for teaching and research purposes.

Research Impact:

The acquisition of the Double Beam UV-Visible Spectrophotometer instrument significantly bolstered the research capabilities of Bherulal Patidar Govt. P.G. College, MHOW. Faculty members were empowered to conduct advanced experiments, while students gained invaluable practical experience in spectroscopic analysis. The instrument facilitated numerous research endeavors across various disciplines, contributing to the academic growth and prestige of the college.

Outcome and Conclusion:

The procurement of the Double Beam UV-Visible Spectrophotometer instrument through RUSA (World Bank) funding marked a pivotal milestone in the journey of Bherulal Patidar Govt. P.G. College, MHOW towards academic excellence. It not only addressed the immediate need for advanced laboratory equipment but also laid the foundation for future advancements in teaching and research. The successful implementation of the project underscored the college's proactive approach in leveraging government schemes for institutional development, reaffirming its commitment to fostering a culture of innovation and learning.

Dr. Rasheedha Kanchwala
IQAC Coordinator

Dr. Praveen Ojha
Principal



5. Case study

5.2 Request for Procurement of Double Beam UV- Visible Spectrophotometer instrument for Postgraduate Practical of department of Chemistry

Date- 07.01.2020

To,
The Principal,
Bherulal Patidar Govt. P.G. College,
MHOW.

Subject: Request for Procurement of a Double Beam UV- Visible Spectrophotometer for Postgraduate Practicals.

Sir,

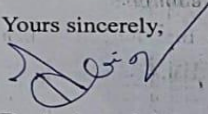
I am writing to bring to your kind attention the urgent requirement of a **Double beam UV-Visible Spectrophotometer** in the Chemistry Department for conducting practical sessions for our postgraduate classes.

As you are aware, practical experiments are an integral part of postgraduate studies, enabling students to gain a deeper understanding of theoretical concepts and develop advanced analytical skills.

Considering this, I kindly request you to approve the purchase of a double beam spectrophotometer for the Chemistry Department. The addition of this equipment will significantly enhance the quality of our practical training and benefit our students academically and professionally.

I assure you that the instrument will be utilized optimally and maintained diligently for the benefit of the students.

Thank you for your attention to this matter. I look forward to your positive response.

Yours sincerely,


[Dr. Archana Jain]
H.O.D. Chemistry
Head
B. I. P. Govt. P. G. College
Department of Chemistry
Mhow (M.P.)
Bherulal Patidar Govt. P.G. College, MHOW



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



5. Case study

5.3 Invoice of the purchased instrument (Double Beam UV- Visible Spectrophotometer)

S.N.		Description of Goods	HSN/SAC Code	Qty.	Unit	Price	Amount(₹)
1.		DOUBLE BEAM UV-VISIBLE SPECTROPHOMETER LT-2203	90273020	2.00	Pcs.	2,58,220.00	5,16,440.00
		<p>Certified that the articles have been received, checked and entered in stock book No. S.Reg. page No. 11 forwarded for payment for Rs. 609400 = n Six Lakh Nine Thousand Four hundred only.</p> <p>H.O.D.</p>		<p>Passed for Payment Rs. 609400/- in words: Six Lakh Nine Thousand Four hundred only.</p> <p>Principal BLP Govt. P.G. College, Mhow</p>			
						Add : IGST @ 18.00 %	92,959.20
						Add : Rounded Off (+)	0.80
						Grand Total ₹	6,09,400.00
Tax Rate	Taxable Amt.	IGST Amt.	Total Tax				
18%	5,16,440.00	92,959.20	92,959.20				
Rupees Six Lakh Nine Thousand Four Hundred Only							
BANK DETAILS							
HDFC BANK 01312560003716 RTGS CODE: HDFC000131 BRANCH: AMBALA CANTT							
Terms & Conditions E. & O.E. 1. Goods once sold will not be taken back. 2. Interest @ 18% p.a. will be charged if the payment is not made within the stipulated time. 3. Subject to 'AMBALA' Jurisdiction only.				Receiver's Signature :			
				for ATMOS ENTERPRISE For ATMOS ENTERPRISES Authorized Signatory			
Proprietor:							



BHERULAL PATIDAR GOVT. P. G. COLLEGE, MHOW

OLD A.B. ROAD DONGARGAUN, MHOW

E-mail: govt_mhowcollege03@rediffmail.com, Phone No: 07324-226037

Website: <https://blpgovtpgcollegemhow.ac.in/>



5. Case study

5.5 Stock entry (at Department of Chemistry) of Double Beam UV- Visible Spectrophotometer issued by RUSA-World Bank Committee.

PAGE No. 67				BILL REGISTER							
S. No.	Bill No. & Date	Name of Supplier	Name of Article	Quantity	Rate	Cost	Total	C. S. P. Page No.	C. S. P. Sl. No.	Initial of Head	Initial of Principal
01	412/20-595	Aditya trading	Domestic Refrig. 102 Shree Mahabhar place, 28 Snehlatangy Indore.	01	24317.24	CGST 225.26 SGST 225.26	24967.76				
01	595-24112/20	Aditya trading	Domestic Refrig. 102 Shree Mahabhar place, 28 Snehlatangy Indore.	01+01 = 02	24317.24	CGST 443.76 SGST 443.76	49908.48				
02	2043-13-10-20	Hanns Reing.	(1) Centrifuge. Scientific Metal works, Heating Mantle. office 3669, Kalibari, Ambala Cantt. Haryana.	10 Nos. 0.5 Nos. 01 Nos. 05 Nos.	31000=0 2065=0 14580=0 2430=0		31000=0 10325=0 14580=0 12150=0				
03	1517-07/10/20	Atmos enterprises	ph. Meter Micro-processor based. 80B Gobind, Nagar, Ambala Cantt. LT-10	04	5945/-		23780=0				
04	1507-07/12/20	Atmos enterprises	Double UV-Visible Spectrophotometer. 87 Gobind, Nagar, Ambala Cantt. LT-2203.		258220=0		516440=0				

Total → 58892=00
 Total → 409832=00
 Total → 28060=00
 Total → 609400=00

IGST@18% 62469=90
 TCS@0.08% 307=00
 R/o 1 0=10
 Total → 409832=00

IGST@18% 4280=0
 R/o 0=40
 Total → 28060=00

IGST@18% 5339=0
 R/o 0=80
 Total → 609400=00

Record from world bank Bill
 Bill 2 stock entry in RUSA World Bank Register page No 05/04/12/2020.
 Department of Chemistry, Government College, MHOW (M.P.)

Record from world bank Bill
 Bill 2 stock entry in RUSA World Bank Register page No 09/13/10/2020.
 Department of Chemistry, Government College, MHOW (M.P.)

Record from world bank Bill of stock entry in RUSA World Bank Register page No 10 page 07/12/2020.
 Department of Chemistry, Government College, MHOW (M.P.)

Record from world bank Bill of stock entry in RUSA World Bank Register page No 11 Date 07/12/2020.
 Department of Chemistry, Government College, MHOW (M.P.)



5. Case study

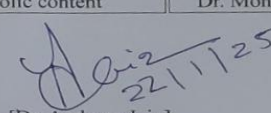
5.6 List depicting the usage of Double beam UV-Visible Spectrophotometer (procured through RUSA -World Bank Fund) for the conduction of practical's at department of Chemistry .

Department of Chemistry, Bherul Patidar Govt. P.G. College, MHOW

Date – 28.11.2022

This is certified that following list depicts the usage of **Double beam UV-Visible Spectrophotometer** (procured through RUSA- World Bank Fund) for the conduction of M.Sc. **Sem I and III** chemistry practicals.

Date	Sem	Title of Practical	Incharge faculty
15.02.2022	Sem I	Determination of λ_{max} for organic compounds	Dr. Monika Sanyal
22.02.2022	Sem I	Verification of Beer-Lambert's Law	Dr. Prakash More
01.03.2022	Sem I	Quantitative analysis of organic compounds	Dr. Nanda Bhatia
15.03.2022	Sem I	Study of substituent effects in benzene derivative	Dr. Monika Sanyal
07.07.2022	Sem I	Determination of λ_{max} for organic dyes	Dr. Nanda Bhatia
19.07.2022	Sem I	Verification of Beer-Lambert's Law	Dr. Prakash More
02.08.2022	Sem I	Quantitative analysis of unknown samples	Dr. Monika Sanyal
16.08.2022	Sem I	Study of substituent effects	Dr. Nanda Bhatia
06.08.2022	Sem III	Study of reaction kinetics using UV-Vis spectrophotometry	Dr. Prakash More
20.09.2022	Sem III	Characterization of metal-ligand complexes	Dr. Nanda Bhatia
04.09.2022	Sem III	Photochemical reactions of organic compounds	Dr. Monika Sanyal
18.10.2022	Sem III	Determination of pKa values of organic acids and bases	Dr. Prakash More
08.11.2022	Sem I	λ_{max} determination for phenolic compounds	Dr. Nanda Bhatia
15.11.2022	Sem I	Verification of Beer-Lambert's Law for ketones	Dr. Prakash More
22.11.2022	Sem I	Quantitative analysis of phenolic content	Dr. Monika Sanyal


[Dr. Archana Jain]
Head, Department of Chemistry
Bherul Patidar Govt. P.G. College
Mhow (M.P.)