



ज्ञानं परमं बलम्



GOVT. MADHAV SCIENCE COLLEGE, UJJAIN

A GRADE ACCREDITED THROUGH NAAC
DST-FIST SUPPORTED

AFFILIATED TO VIKRAM UNIVERSITY UJJAIN
IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN



Research Projects

2015-16 to 2019-20

M.P. Council of Science & Technology

Vigyan Bhawan, Nehru Nagar, Bhopal - 462003
Phone no. 0755-2433162(O) Fax No.-2671600

Sanction Order

No /CST/R&D/Phy & Engg Sc/2015
The Principal,
Govt. Madhav Science P.G. College,
Ujjain - 456010

Bhopal, dated

Subject: R &D Projects (Physical & Engineering Science): Project entitled "Novel synthesis, photocatalytic and antibacterial applications of some doped and co-doped transition nanoparticles "

Reference: (i) R&D File No A/RD/RP-2/2014-15/ 221

Principal Investigator: Dr. Arpan Bhardwaj, Deptt. of Chemistry, Govt. Madhav Science P.G. College, Ujjain - 456010

Sanction of this Council is hereby accorded for payment of Rs.28,68,000/- (Rs. Twenty Eight Lakh Sixty Eight Thousand Only) for 02 years and release of first year grant of Rs. 25,44,000/- (Rs. Twenty Five Lakh Forty Four Thousand Only) to The Principal, Govt. Madhav Science P.G. College, Ujjain - 456010

The head wise break up of the sanctioned amount is given below:

S.No.	Items	Year		Total (Amount in Rs.)
		1 st	2 nd	
	Non- Recurring	-	-	-
01	Microwave Synthesis System	22,20,000/-		22,20,000/-
	Recurring			
01	Junior Research Fellow @12,000/-pm	1,44,000/-	1,44,000/-	2,88,000/-
02	Consumables (chemicals/ glassware)	1,00,000/-	1,00,000/-	2,00,000/-
03	Travelling Expenses	10,000/-	10,000/-	20,000/-
04	Publication / Printing	20,000/-	20,000/-	40,000/-
05	Contingency	50,000/-	50,000/-	1,00,000/-
	Total	25,44,000/-	3,24,000/-	28,68,000/-

(Rs. Twenty Eight Lakh Sixty Eight 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.

Dr. Arpan Bhardwaj

23-4-15



2. All the dead stock will be the property to the council and will be disposed of accordingly to its instructions.
3. Purchase of equipments etc. will be governed as per existing rules of the institution.
4. The audited accounts duly countersigned by the competent authority will be transmitted to this council within quarter/financial year.
5. Progress report will be sent to the council by the Officer Incharge of project through the head of the institution in four copies in the prescribed proforma.
6. The project report will be reviewed by the experts so far as the relevance and utilization is concerned.
7. Please ensure the participation percentage as per following:-
60% General, 10% scheduled caste (SC), 30% tribals (ST), 30% over all women.
8. The account of grantee institution shall be open to inspection by sanctioning authority/audit.
9. In case of any controversy, the decision of Director General will be final and acceptable to the grantee organization.
11. The grantee organization will bound to follow income tax rules.
12. MPCST will have equal share in any IPR generated from the project.
13. Investigator/Institutes wishes to publish books/research papers/popular articles based on the research work done under the Council's projects should acknowledge the financial support received from the Council and copy of such published literature must be submitted to the Council.

Approved by The Director General, MPCST

Endt. No 67/CST/R&D/Phy & Engg Sc/2015

Copy to:

1. Principal Investigator: Dr. Arpan Bhardwaj, Deptt. of Chemistry, Govt. Madhav Science P.G. College, Ujjain – 456010
2. Incharge, Project Division, MPCST, Bhopal.
3. Deputy Director (Finance), MPCST, Bhopal – for necessary action. The amount of Rs. 25,44,000/- may be released to The Principal Govt. Madhav Science P.G. College, Ujjain – 456010. The details of Bank Accounts are as under:
 - Name of the Bank: UCO Bank, Ujjain
 - Bank Account : 01450100008177 01450200000001
 - IFSC Code No: UCBA0000145
4. R&D File No A/RD/RP-2/2014-15/ 221

Incharge
R & D Projects (Phy & Engg Sc)
Bhopal, dated 9/4/2015

Incharge
R & D Projects (Phy & Engg Sc)



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-131/107037/XII/14-15/CRO = S-S-

Date :

3 JUL 2015

To
The Principal,
Govt. Madhav Science College
Dewas Road, Ujjain (M.P.)
456010

Code : 107037

Sub. : Financial Assistance for undertaking Minor Research Project by **Smt. Pratibha Namdeo, Asstt. Professor(Chemistry) Govt. Madhav Science College, Ujjain (M.P.)**, in "Study of Some mixed ligand metal complexes of copper, cobalt and chromium with schiff bases 1,10-phenathroline, amino acids & Thioacetamide and their interaction with DNA".

Sir,

The Commission on the recommendations of the Selection Committee has approved the research project entitled in "Study of Some mixed ligand metal complexes of copper, cobalt and chromium with schiff bases 1,10- phenathroline, amino acids & Thioacetamide and their interaction with DNA". of by **Smt. Pratibha Namdeo, Asstt. Professor(Chemistry) Govt. Madhav Science College, Ujjain (M.P.)**, and has agreed to provide a grant of **Rs.310000/-**.

Particular	Allocation	Grant being released
NON RECURRING		
1. Books & Journals	Rs. 25000.00	Rs. 25000.00
2. Equipments	Rs. 50000.00	Rs. 50000.00
RECURRING		
3. Travels, Field work	Rs. 25000.00	Rs. 12500.00
4. Contingency	Rs. 50000.00	Rs. 25000.00
5. Chemical & Glassware	Rs. 100000.00	Rs. 50000.00
6. Special Needs	Rs. 60000.00	Rs. 30000.00
TOTAL	Rs. 310000.00	Rs. 192500.00

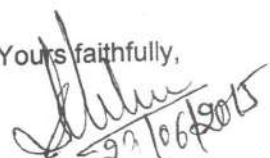
I am directed to convey the sanction of the Commission for Payment of **Rs. 192500/-** as first installment to The Principal, **Govt. Madhav Science College, Ujjain (M.P.)**, under following terms and condition.

1. The effective date of implementation of the Project will be the date of receipt of fund by the institution.
2. 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.
3. 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.
4. 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.
5. 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.
6. **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.**

236
27/7/15

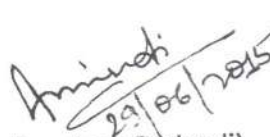
7. All assets generated out of the fund for the project including equipment, books and journals will become the property of the host institution on completion of the project. However, in case of transfer of the project, assets (or a part of it) generated out of the funds of concerned project, may be transferred to the concerned Institution on request, with prior approval of the UGC.
8. 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.
9. The sanctioned amount is debatable to the major Head 4(ii)b.
10. 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, Govt. Madhav Science College, Ujjain (M.P.), through NEFT/RTGS, during, 2014-15.
11. 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.
12. A Register of Assets acquired wholly or substantially out of the Grant shall be maintained by the University/College in the prescribed form.
13. The Funds to the extent are available under the scheme.
14. 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.
15. The expenditure has noted at the BCR No. _____.
16. 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.
17. The grantee institution shall ensure the Utilisation of grants-in-aid for which it is being sanctioned. In case non-utilization/part utilisation, the simple interest @ 10% per annum as amended from time to time on unutilised amount from the date of draw to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
18. This issues with the approval of the Chairman, UGC, New Delhi.

Yours faithfully,


(Dr. G.S. Chaitan)
Deputy Secretary

Copy forward for information and necessary action to :

- **Accounts Officer**
UGC, CRO, Bhopal (M.P.)
- **The Commissioner/Deputy Secretary,**
Dept. of Higher Education
Govt. of M.P. 5th Floor,
Satpura Bhawan, Bhopal (M.P.)
- **Principal Accountant General Audit (A & E),**
Madhya Pradesh, Lekha Bhawan,
Jhansi Road, Gwalior (M.P.)-474002
- **Smt. Pratibha Namdeo**
Asstt. Professor(Chemistry)
Govt. Madhav Science College
Ujjain (M.P.)


(Dr. Prashant Dwivedi)
Educational 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.



MINOR PROJECT FLUORIDE CONTAMINATION IN THE DRINKING WATER OF UJJAIN AND IT'S IMPACT FLUOROSIS

PRINCIPAL INVESTIGATOR: DR. KALPANA SINGH
PROFESSOR CHEMISTRY
STATUS: COMPLETED
FINANCIAL GRANT RECEIVED: 21/07/2017 THROUGH PFMS
PROJECT COMPLETED : 21/07/2019

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-129/107037/XII/14-15/CRO Date : _____

To
The Principal,
Govt. Madhav Science College
Ujjain (M.P.)-~~462036~~ 456010
(Tongue of MRP) Code : 107037

Sub. : Financial Assistance for undertaking Minor Research Project by Dr. Kalpana Singh, Asstt. Professor (Chemistry) Govt. Madhav Science College, Ujjain (M.P.), in "Fluoride Contamination in the drinking water of Ujjain (M.P.) and it's impact Fluorosis".

Sir,
The Commission on the recommendations of the Selection Committee has approved the research project entitled in "Fluoride Contamination in the drinking water of Ujjain (M.P.) and it's impact Fluorosis." of by Dr. Kalpana Singh, Asstt. Professor (Chemistry) Govt. Madhav Science College, Ujjain (M.P.), and has agreed to provide a grant of Rs.305000/-.

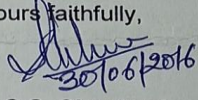
Particular	Allocation	Grant being released
NON RECURRING		
1. Books & Journals	Rs. 30000.00	Rs. 30000.00
2. Equipments	Rs. 115000.00	Rs. 115000.00
RECURRING		
3. Travels, Field work	Rs. 30000.00	Rs. 15000.00
4. Contingency	Rs. 40000.00	Rs. 20000.00
5. Chemical & Glassware	Rs. 75000.00	Rs. 37500.00
6. Special Needs	Rs. 15000.00	Rs. 7500.00
TOTAL	Rs. 305000.00	Rs. 225000.00

I am directed to convey the sanction of the Commission for Payment of Rs. 225000/- as first installment to The Principal, Govt. Madhav Science College, Ujjain (M.P.), under following terms and condition.

1. The effective date of implementation of the Project will be the date of receipt of fund by the institution.
2. The tenure for the Minor Research Project will be 2 years, No extension in tenure is permissible in any circumstances.
3. On receipt of this letter the Principal Investigator must submit the Acceptance Certificate as countersigned by the Principal within 3 months of issue of this letter, failing which the approval will stand withdrawn.
4. 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.
5. 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. A letter of undertaking 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.
6. 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.

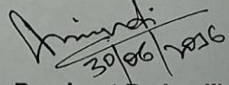
7. All assets generated out of the fund for the project including equipment, books and journals will become the property of the host institution on completion of the project. However, in case of transfer of the project, assets (or a part of it) generated out of the funds of concerned project, may be transferred to the concerned institution on request, with prior approval of the UGC.
8. 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.
9. The sanctioned amount is debatable to the major Head 4(ii)b.
10. 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, Govt. Madhav Science College, Ujjain (M.P.), through NEFT/RTGS/PFMS, during, 2016-17.
11. 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.
12. A Register of Assets acquired wholly or substantially out of the Grant shall be maintained by the University/College in the prescribed form.
13. The Funds to the extent are available under the scheme.
14. 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.
15. The expenditure has noted at the BCR No. _____.
16. 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.
17. The grantee institution shall ensure the Utilisation of grants-in-aid for which it is being sanction/paid. In case non-utilization/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.

Yours faithfully,


(Dr. G.S. Chauhan)
Deputy Secretary

Copy forward for information and necessary action to :

- **Accounts Officer**
UGC, CRO, Bhopal (M.P.)
- **Principal Accountant General Audit (A&E),**
Madhya Pradesh, Lekha Bhawan
Jhansi Road, Gwalior (M.P.)-474002
- **The Commissioner/Deputy Secretary,**
Dept. of Higher Education
Govt. of M.P. 5th Floor,
Satpura Bhawan, Bhopal (M.P.)
- ✓ **Dr. Kalpana Singh**
Asstt. Professor (Chemistry)
Govt. Madhav Science College
Ujjain (M.P.)


(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.

Methodology:

Total 436 samples are collected from 44 residential locations including colonies in Ujjain city to villages in the near vicinity of Ujjain. Samples collected are tested for the pH, conductivity and TDS. All the parameters in comparable limits are permitted only. Fluoride in the water is tested through SPADNS colorimetric method

SPADNS colorimetric method

Theory:

The SPADNS colorimetric method is based on the reaction between fluoride and a zirconium-dye lake. Fluoride reacts with the dye lake, dissociating a portion of it into a colorless

complex anion (ZrF_6^{2-}); and the dye. As the amount of fluoride increases, the color produced becomes progressively lighter.

The reaction rate between fluoride and zirconium ions is influenced greatly by the acidity of the reaction mixture. If the proportion of acid in the reagent is increased, the reaction can be made almost instantaneous. Under such conditions, however, the effect of various ions differs from that in the conventional alizarin methods.

Apparatus:

1. *Spectrophotometer*, for use at 470 nm, providing a light path of 2.5 to 10 cm

Glass Wares

2. *Volumetric flasks*(50ml-100ml)
3. Pipets different volumes (5,10,15,20 ml)

Reagents:

- 1- NaF
- 2- Conc. HCl
- 3- SPADNS
- 4- Zirconyl chloride octahydrate, $ZrOCl_2 \cdot 8H_2O$
- 5- Distilled water

Procedure:

A- Stock Fluoride solution: Dissolve 0.2210 g anhydrous NaF in distilled water and dilute to 1000 mL (100 ppm)

B- Work Solution

to prepare work solution take 10 ml from stock, complete to 100 ml distilled water to get 10 ppm

C- Standard curve: to prepare standard curve add the following volumes from the standard solution to 10 ml flask complete the volume to 50 ml with distilled water,

ml. standard solution	blank	0.5	1	1.5	2.5	5	6.25
ppm F	0	0.1	0.2	0.3	0.5	1	1.25

- D- SPADNS solution: Dissolve 958 mg SPADNS, sodium 2-(parasulfophenylazo)-1,8-dihydroxy-3,6-naphthalene disulfonate, in distilled water and dilute to 500 mL. This solution is stable for at least 1 year if protected from direct sunlight.
- E- Zirconyl-acid reagent: Dissolve 133 mg zirconyl chloride octahydrate, $ZrOCl_2 \cdot 8H_2O$, in about 25 mL distilled water. Add 350 mL conc HCl and dilute to 500 mL with distilled water.
- F- Acid zirconyl-SPADNS reagent: Mix equal volumes of SPADNS solution and zirconyl-acid reagent. The combined reagent is stable for at least 2 years.
- G- Reference solution: Add 10 mL SPADNS solution to 100 mL distilled water. Dilute 7mL conc HCl to 10 mL and add to the diluted SPADNS solution. The resulting solution, used for setting the instrument reference point (zero), is stable for at least 1 year. Alternatively, use a prepared standard of 0 mg F⁻/L as a reference.
- H- Sodium arsenite solution: Dissolve 5.0 g NaAsO₂ and dilute to 1 L with distilled Water
- I- Add 10.00 mL mixed acid-zirconyl-SPADNS reagent, to each standard and mix well. Avoid contamination.
- J- Set photometer to zero absorbance with the reference solution and obtain absorbance readings of standards.
- K- Plot a curve of the milligrams fluoride-absorbance relationship.

Sample pretreatment:

If the sample contains residual chlorine, remove it by adding 1 drop (0.05mL) NaAsO₂ solution/ 0.1 mg residual chlorine and mix. (Sodium arsenite concentrations of 1300 mg/L produce an error of 0.1 mg/L at 1.0 mg F⁻/L.)

- L- *Color development:* Use a 50.0-mL sample or a portion diluted to 50 mL with distilled water. Add 10.00 mL acid-zirconyl-SPADNS reagent; mix well and read absorbance, first setting the reference point of the photometer as above. If the absorbance falls beyond the range of the standard curve, repeat using a diluted sample

M- Calculation

$$\text{mg F}^-/\text{L} = \frac{A}{\text{mL sample}} \times \frac{B}{C}$$

where:

A = $\mu\text{g F}^-$ determined from plotted curve,

B = final volume of diluted sample, mL, and

C = volume of diluted sample used for color development, mL.

CONCLUSION:

Fluoride rich water occurs in shallow aquifers in Ujjain district. According to a pilot study by govt. of India and Ayush Department Ujjain is marked for further studies related to fluoride contamination and identification of cases related to Fluorosis. Fluoride above the permissible limit of 1.5 mg/l was found in samples from Vijyaganj Mandi, Tarana, some areas of Khachrod and Mahidpur area specifically in villages of Delchi bujurg.

Some of the villagers appeared to show the impact of high fluoride concentration in the form of symptoms like

Mouth sores

GUT Issues

Fatigue

Cardiology issues

Joint Pain

However no medical testimonial was there, to prove that the symptoms are Fluorosis.

Still medical intervention is required



Kalpana Singh
Professor Chemistry



ज्ञानं परमं बलम्



GOVT. MADHAV SCIENCE COLLEGE, UJJAIN

A GRADE ACCREDITED THROUGH NAAC
DST-FIST SUPPORTED

AFFILIATED TO VIKRAM UNIVERSITY UJJAIN
IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN



Endowments

2015-16 to 2019-20

22 February 2016

To,

Dr. Usha Shrivastava
Principal
Govt. Madhav Science College
Ujjain

Subject: Endowment of text books

Dear Madam

I am writing this letter to express my heartfelt gratitude. I have studied in your esteemed institution. The guidance of teachers has been of great value. Its my privilege to support the students of Govt. Madhav Science College, Ujjain in the form of donation of text books of the cost of Rs. 20000/-.

I wish all the very best for their bright future.

Please accept this endowment.

Thanking You


Mr. Sanjay Sharma



Govt Madhav Science P.G. College Ujjain

DST-FIST College

A Grade accredited through NAAC

25th March 2016

Letter of Thanks

To,

Dr. Sanjay Sharma
Alumni Madhav Science P.G. College Ujjain

Subject: Books Support rendered by you

Dear Sir,

We sincerely appreciate your endowment of Text Books not less than the value of 20000/- for eligible students of this college. We assure you that student will be highly benefited with this support .





Govt Madhav Science P.G.College Ujjain

DST-FIST College
A Grade accredited through NAAC

PUrsuit of **R**esearch **E**xcellence

Student Research Internship Programme

CEQIC Initiative
3rd to 5th November 2016

Letter of Thanks

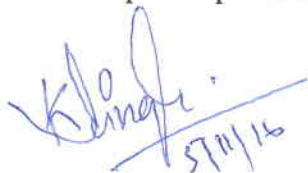
To,

The Manager
Canara Bank
Ujjain.

Subject: Support rendered by your organization during three day Internship Programme Organized as Cluster initiative by Govt. Madhav Science P.G.College Ujjain

Dear Sir,

We sincerely appreciate your gesture towards the students coming across M.P. in three day science Research Internship programme during 3rd to 5th November 2016. The sponsorship of Lunch Coupons not less than the value of 8000/- provided by your organization, made arrangements better and smooth for these students, once again on behalf of participants and organizers I wish to thank you for your thoughtfulness.


5/11/16

Dr. Kalpana V. Singh
Nodal Officer CEQIC



Dr. Usha Shrivastava
Principal



Govt Madhav Science P.G.College Ujjain

DST-FIST College

A Grade accredited through NAAC

PUrsuit of Rearch Excellence Student Research Internship Programme

CEQIC Initiative

3rd to 5th November 2016

Letter of Thanks

To,

**The AGM
State Bank of India
Ujjain.**

Subject: Support rendered by your organization during three day Internship Programme Organized as Cluster initiative by Govt. Madhav Science P.G.College Ujjain

Dear Sir,

We sincerely appreciate your endowment of 80 high quality conference bags not less than the cost of 24,000/- towards the students coming across M.P. in three day science Research Internship programme during 3rd to 5th November 2016. The kits sponsored by your organization are of great use to these students, once again on behalf of participants and organizers I wish to thank you for your thoughtfulness.

**Dr. Kalpana V. Singh
Nodal Officer CEQIC**





09 Nov 2016

To,

Dr. Usha Shrivastava

Principal

Govt. Madhav Science P. G. College, Ujjain (M.P.)

Subject: Endowment of Books

Dear Madam,

We are the alumni of this prestigious Institute. We are thankful for all that the institute done for us. We would like to take the opportunity to extend our gratitude by providing the necessary books to our students in the form of Endowment of value of Rs. 18000/-.

Please allow us to donate the text books.

Regards

Alumni Association

Govt. Madhav Science P.G. College Ujjain

Dr. Rakhi Khanna
Coordinator Alumni Assn.

Dr. Nayana Siddiqui
Biddiqui

Dr. Sanjay Parihar
Sparihar



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

26th November 2016

Letter of Thanks

To,

Alumni Association Madhav Science P.G. College Ujjain

Subject: Books Support rendered by you

Dear Sir,

We sincerely appreciate your endowment of Text Books not less than the value of 18000/- for eligible students of this college. We assure you that student will be highly benefited with this support.


Dr. Usha Shrivastava
Principal




01 August 2017

To,

Dr. Usha Shrivastava
Principal
Govt. Madhav Science P. G. College, Ujjain (M.P.)

Subject: Endowment of Stationary

Dear Madam,

We are the alumni of this prestigious Institute. We are thankful for all that the institute done for us. We would like to take the opportunity to extend our gratitude by providing the stationary to our students in the form of Endowment of value of Rs. 8000/-.

Please accept this endowment.

Regards

Alumni Association

Govt. Madhav Science P.G. College Ujjain

Rupha Khanna
Dr. Pooja Khanna
Coordinator Alumni Assoc.

Dr. Nayma Siddiqui - B. Siddiqui

Dr. Somya Parikh - S. Parikh



Govt Madhav Science P.G. College Ujjain

DST-FIST College

A Grade accredited through NAAC

11th August 2017

Letter of Thanks

To,

Alumni Association Madhav Science P.G. College Ujjain

Subject: Stationary Support rendered by you

Dear Sir,

We sincerely appreciate your endowment of Stationary not less than the value of 8000/- for office purpose related to student of this college. We assure you that this will be of high use for the college.

Dr. Usha Shrivastava
Principal

Dr. Satyendra Shrivastava
M.B.A. (H.R.), Ph.D.
Financial Advisor and Consultant

Office : 128, Shivaji Park Colony,
Dewas Road, Ujjain (M.P.)456010
Mobile : 9425915729, 7999219736

Date : 16/07/2018

To,

The principal
Govt. Madhav Science College
Ujjain

Subject: Endowment in the form of Books

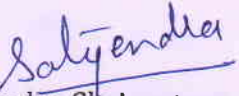
Dear Madam/Sir,

This gives me immense pleasure to extend support to the students of the college in the form of donation of books. I hope this will be of high use of college students.

Please allow me to donate books of the cost of Rs. 60,900/-.

I am sending this letter counting your prior approval for the donation.

Thanking You


Dr. Satyendra Shrivastava



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

10th August 2018

Letter of Thanks

To,

Mr. Satyendra Shrivastava
Retd. Bank Manager
Alumni Madhav Science P.G. College Ujjain

Subject: Books Support rendered by you

Dear Sir,

We sincerely appreciate your endowment of Books not less than the value of 60,900/- for Students of this college. We assure you that this will be of high use for the college Students.


Dr. Arpan Bhardwaj
Principal

Date: 04 February 2019

To,

The principal
Govt. Madhav Science College
Ujjain

Subject: Endowment in the form of equipment "Sample Evaporation Concentration System"

Dear Madam/Sir,

This gives me immense pleasure to extend support to the students and research fraternity of the college in the form of donation of equipment.

Please allow me to donate "Sample Evaporation Concentration System" of the cost of Rs. 800000/-

I am sending equipment with this letter counting your prior approval for the donation.

Thanking You



Mr. Ashish Tiwari

D-29, Opp. Best Price,

Near City (TI 2), A.B. Bypass Road

Indore- 452016

Mob. 9826042410



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

8th March 2019

Letter of Thanks

To,

Mr. Ashish Tiwari

Alumni Madhav Science P.G. College Ujjain

Subject: Endowment Support for Equipment Sample Evaporation Concentration System rendered by you

Dear Sir,

We sincerely appreciate your endowment of Equipment Sample Evaporation Concentration System for Students of Chemistry in this college of value not less than 800000/-. We assure you that the equipment will be of great use for the college Students, Research Scholars and Faculty.



Date: 14/10/2019

To,

The principal
Govt. Madhav Science College
Ujjain

Subject: Endowment in the form of Books

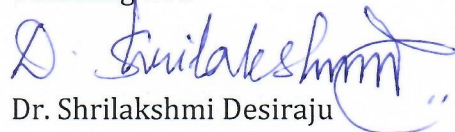
Dear Madam/Sir,

This gives me immense pleasure to extend support to the students of chemistry and research fraternity of the college in the form of donation of invaluable rare books.

Please allow me to donate Heritage Chemistry Books.

I am sending this letter counting your prior approval for the donation.

Thanking You


Dr. Shrilakshmi Desiraju



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

11th November 2019

Letter of Thanks

To,

Dr. Shreelakshmi Desiraju
CEO Triphase Pharma
Alumni Madhav Science P.G. College Ujjain

Subject: Books Support rendered by you

Dear Madam,

We sincerely appreciate your endowment of reference rare invaluable Books for Students of Chemistry in this college. We assure you that this will be of high use for the college Students, Research Scholars and Faculty.



Date: 01 October 2019

To,
The principal
Govt. Madhav Science College
Ujjain

Subject: Endowment in the form of equipment "Electrophoresis System"

Dear Madam/Sir,

This gives me immense pleasure to extend support to the students and research fraternity of the college in the form of donation of equipment.

Please allow me to donate "Electrophoresis System" of the cost of Rs. 100000/-
I am sending equipment with this letter counting your prior approval for the donation.

Thanking You



Mr. Ashish Tiwari

D-29, Opp. Best Price,

Near City (TI 2), A.B. Bypass Road

Indore- 452016

Mob. 9826042410



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

8th November 2019

Letter of Thanks

To,

Mr. Ashish Tiwari

Alumni Madhav Science P.G. College Ujjain

Subject: Endowment Support for Equipment Electrophoresis System rendered by you

Dear Sir,

We sincerely appreciate your endowment of Equipment Electrophoresis System for Students of Chemistry in this college of value not less than 1,00,000/-. We assure you that the equipment will be of great use for the college Students, Research Scholars and Faculty.



Date: 23 December 2019

To,
The principal
Govt. Madhav Science College
Ujjain

Subject: Endowment in the form of equipment "Rotary Microtome"

Dear Madam/Sir,

This gives me immense pleasure to extend support to the students and research fraternity of the college in the form of donation of equipment.

Please allow me to donate "Rotary Microtome" of the cost of Rs. 150000/-.

I am sending equipment with this letter counting your prior approval for the donation.

Thanking You



Mr. Ashish Tiwari

D-29, Opp. Best Price,

Near City (TI 2), A.B. Bypass Road

Indore- 452016

Mob. 9826042410



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

15th January 2020

Letter of Thanks

To,

Mr. Ashish Tiwari

Alumni Madhav Science P.G. College Ujjain

Subject: Endowment Support for Equipment Rotary Microtome rendered by you

Dear Sir,

We sincerely appreciate your endowment of Equipment Rotary Microtome for Students of Chemistry in this college of value not less than 150000/-. We assure you that the equipment will be of great use for the college Students, Research Scholars and Faculty.





STAFF CLUB, GOVT. MADHAV SCIENCE COLLEGE, UJJAIN

15 August 2020

To,

The Principal
Govt. Madhav Science College Ujjain

Subject: Endowment of plants on the occasion of Independence Day

Dear Sir,

Its a matter of immense pleasure for us to donate valuable plants to our Institute on the occasion of Independence Day in the memory of our beloved once. This will not only strengthen Eco restoration practices but also establish a bond between the generation who has passed and bestowed the strong empathy practices to the younger generation.

From

Dr. Arpan Bhardwaj

Dr. R.K. Tiwari

Dr. Manjula Jain

Dr. Manmeet Kaur Makkad

Dr. Kalpana Singh

Professors, Govt. Madhav Science P.G. College, Ujjain (M.P.)



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

15th August 2020

Letter of Thanks

To,

Dr. Arpan Bhardwaj
Dr. R.K. Tiwari
Dr. Manjula Jain
Dr. Manmeet Kaur Makkad
Dr. Kalpana Singh
Professor Madhav Science P.G. College Ujjain

Subject: Support rendered by you in the form of donation of plants

Dear Sir/ Madam,

We sincerely appreciate your endowment in the form of plants of sustainable age in memory of your loved once. This will strengthen are Eco restoration practices. We assure you that college will fondly take care of these Plants.



Date: 05 August 2020

To,

The principal
Govt. Madhav Science College
Ujjain

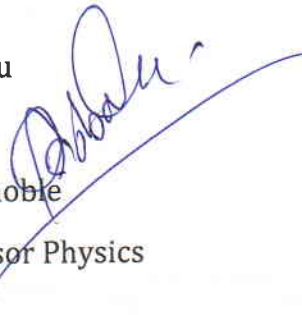
Subject: Endowment in the form of Furniture Rack

Dear Madam/Sir,

This gives me immense pleasure to extend support of furniture rack of the cost of Rs. 7000/- for official purpose related to students of the college.

I am sending this letter counting your prior approval for the donation.

Thanking You


Dr. Aruna Dhobie
Retd. Professor Physics



Govt Madhav Science P.G. College Ujjain

DST-FIST College
A Grade accredited through NAAC

19th August 2020

Letter of Thanks

To,

Dr. Aruna Dhobale

Retd. Professor Physics

Subject: Endowments Furniture Rack Support rendered by you

Dear Sir,

We sincerely appreciate your endowment of Furniture Rack not less than the value of 7000/- for office purpose related to student of this college. We assure you that this will be of high use for the college.

