



**GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG, 491001 (C.G.)**

(Former Name – Govt. Arts & Science College, Durg)

Phone-0788-2211688, Fax- 0788-2212030

NAAC Accredited Grade 'A+'; CPE Phase - III (UGC, N. Delhi); Centre of Excellence in Science

Website – [www.govtsciencecollegedurg.co.in](http://www.govtsciencecollegedurg.co.in) Email – [pprinci2010@gmail.com](mailto:pprinci2010@gmail.com)



No...821/21

Durg, Date- 19.03.2021

**SANCTION LETTER OF RESEARCH PROJECT**

Project No. - MJ/RP/02/PHY, Durg, Date- 19.03.2021.

The Major Research Proposal submitted by **Dr. Abhishek Kumar Misra** entitled "**Quantum Dots Dispersed Liquid Crystal**" has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject Physics. The allocation of the project is as below mentioned-

Investigators	Components	Allocation	Remark
1. Dr. Abhishek Kumar Misra (Principal Investigator)	1) Chemicals/ Glassware's 2) Hiring Services 3) Contingency 4) Travel 5) Miscellaneous Expenditure	1,50,000=00 20000=00 300000=00 30000=00 Nil	Present allocation is Rs 2,00,000=00 only. Rest amount will be reimbursed as per decision of Research Council held on 19.03.2021.
	<b>Total</b>	<b>5,00,000=00</b> <b>(Five lakh only)</b>	

- 1) The tenure of the above Major Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
- 3) Any unlawful expenditure will be recovered from salary of the employee.
- 4) Any alteration in grants component shall not be admissible without prior approval from Research council of the college.

- 5) Any intellectual property generated by the grants will be property of the college as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.
- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
- 8) Any kind of dispute will be resolved by Research council subject to final acceptance of Principal, beyond this all subjects will be matter of rule of law of Indian Constitution.



Principal

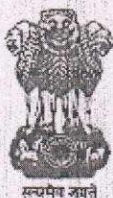
Copy to-

- [1] Research council
- [2] Account section of the college
- [3] IQAC of the college



Principal





**Dr Vandana Singh**  
**Officer-in-charge**  
**Women Scientists Scheme-A (WOS-A)**  
**Phone: 011-26590273**  
**E-mail: vandana.singh@nic.in**

**GOVERNMENT OF INDIA**  
**MINISTRY OF SCIENCE & TECHNOLOGY**  
 Department of Science & Technology  
 Technology Bhavan  
 New Delhi-110016

File No.: SR/WOS-A/PM-14/2018

28-08-2018

**Sub:** The project entitled "*Synthesis and characterization of rare earth activated Zirconiumbased phosphor for biomedical applications*"

**Dear Dr Neha Dubey,**

Please refer to the proposal mentioned above which you had submitted for consideration of possible funding under the Women Scientists Scheme-A (WOS-A) for Research in Basic/Applied Sciences.

We are glad to inform you that the above-mentioned proposal has been technically recommended for financial support for 3 years. The recommended budget is as follows:

<b>Fellowship to PI:</b>	<b>₹ 19,80,000/-</b>
<b>Consumables:</b>	<b>₹ 5,50,000/-</b>
<b>Equipments:</b>	<b>Spectrophotoflurometer (₹ 1.50 lakh)</b>

Some funds for travel and contingencies have also been recommended.

In order to further process your case for issue of financial sanction, you are requested to submit the following papers at the earliest:

- Certificate from the Head of the Institution where the said **project** will be implemented (in the attached format);
- Name of the official in the host institution in whose name grant should be sent;
- PFMS-Unique Code of host institute and Darpan Portal ID (in case of NGO);
- **Interest bearing Bank Account** details of the host institute including **Institute name as per bank record, Account No., Bank name, Branch and IFSC code** endorsed by the **Registrar/Finance Officer/Competent authority**;
- Quotation/s and consolidated list with price for approved pieces of equipment;
- Estimates of consumables required in the project (name, rate, quantity and amount);
- Copy of your highest science/engineering degree and your **Aadhar Card Number**;
- Name, address and bio-data of the scientist who is willing to technically help you as a mentor or guide.

As per GFR 17, it is mandatory to keep GOI grant in interest bearing account and reflect interest in Utilization Certificate. **Project fund would not be transferred in failing of interest bearing account details.**

It is expected that you would not undertake a visit abroad for a period exceeding 3 months. And, any visit abroad except for the purpose of attending workshops/conferences/schools etc. should be with the prior permission of DST.

If you have got an employment after presentation before the Expert Committee, and would like to continue the same, please let us know.

We shall process your case for financial sanction once we receive the above documents/clarifications from you. **Please note that a project starts only after it is accorded financial sanction by DST.**

If you have received/are receiving research support under any other scheme of DST or other agencies, please send the details of the same.

We would request you to please note that if you are not able to send the required papers within 30 days of the date of this letter, the project file would be closed. No correspondence in this regard would be entertained subsequently.

Looking forward to receiving your reply and with best regards.

Yours sincerely,

(Vandana Singh)



No.SR/WOS-A/PM-14/2018 (G)  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology  
KIRAN DIVISION

Technology Bhawan  
New Mehrauli Road  
New Delhi-110016  
Dated 14.12.2018

**ORDER**

**Sub:** Financial approval of the project under Women Scientist Scheme A (WOS-A) entitled "**Synthesis and characterization of rare earth activated Zirconiumbased phosphor for biomedical applications.**"

**PI:** Dr. Neha, Dubey, Government V.Y.T. PG. Autonomous College Durg-491001, Chhattisgarh.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of **Rs 31,05,000/-** (Rupees Thirty One Lakh Five Thousand only) for a duration of 3 years. The detailed breakup of the grant for General (**Rs. 29,55,000/-**) as well as Capital (**Rs 1,50,000/-**) Components are given below

Sl. No.	Heads	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
<b>A.</b>	<b>Non-Recurring (Capital Items)</b>				
	Equipments: Spectrophotoflurometer	1,50,000/-	-----	-----	1,50,000/-
<b>B.</b>	<b>Recurring(General)</b>				
	Fellowship for Ph.D @ Rs. 55,000/-	6,60,000/-	6,60,000/-	6,60,000/-	19,80,000/-
	Consumables	1,90,000/-	1,80,000/-	1,80,000/-	5,50,000/-
	Contingencies	25,000/-	25,000/-	25,000/-	75,000/-
	Travel	25,000/-	25,000/-	25,000/-	75,000/-
<b>C.</b>	<b>Overhead@10%</b>	1,00,000/-	1,00,000/-	75,000/-	2,75,000/-
<b>D.</b>	<b>Total of Recurring Grant (B+C)</b>	<b>10,00,000/-</b>	<b>9,90,000/-</b>	<b>9,65,000/-</b>	<b>29,55,000/-</b>
<b>E.</b>	<b>GRAND TOTAL (A+D)</b>	<b>11,50,000/-</b>	<b>9,90,000/-</b>	<b>9,65,000/-</b>	<b>31,05,000/-</b>

2. Sanction of the grant is subject to the conditions as detailed in website [www.online-wosa.gov.in](http://www.online-wosa.gov.in)

3. The sanction of the President is also accorded to the release of **Rs 10,00,000/-** (Rupees Ten Lac only) under "General Component" to The **Principal, Government Science College Durg-491001, Chhattisgarh** being the first installment of the grant for the year 2018-2019 for implementation of the above mentioned project.

4. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

5. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

6. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

7. The grant-in-aid being released is subject to the condition that.

(a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.

(b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grant under the project shall be considered only on receipt of the said documents.

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8. The Grantee Institute (GI) will maintain separate audited as per GFR 2017 Rule 230 (8) account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F/Y 2017-2018 and onwards interest and other earnings, against released Grant shall be remitted to Consolidated Fund of India, immediately after finalization of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with statement of expenditure/utilization certificate for considering subsequent release of grant/closure of project accounts. GI should also follow Rule 230 (17) of GFR 2017 concerning to reservation of SC/ST/OBC, if application.

9. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

10. The Principal Investigator under Women Scientist Scheme is not permitted to withdraw any emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency.

11. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C & AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

12. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

13. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

14. The expenditure involved is debit to Demand No.84, Department of Science & Technology for the year 2018-19:

3425 Other Scientific Research (Major Head)

60 Others (Sub-Major Head)

**60.200 Assistance to other Scientific Bodies (Minor Head)**

68 Science and Technology Institutional and Human Capacity Building (Sub Head)

01 Disha Programme for Women in Science

**68.01.31 Grants-in-aid General for the year 2018-2019 (Voted)**

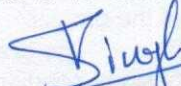
**(Previous: Disha Programme for Women in Science 3425.60.200.55.01.31)**

15. The amount of **Rs 10,00,000/-** (Rupees Ten Lac only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed The **Principal, Government Science College Durg-491001, Chhattisgarh**. The bank details for electronic transfer of funds through RTGS are given below:-

Institute name	: Government Science College Durg
Bank Name	: State Bank of India
Account Number	: 34824622139
Branch	: Government Science College Durg
IFSC code	: SBIN0009517


16. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 466 in the register of grants maintained in the **KIRAN Division** for scheme **(KIRAN: WOS-A)**.

17. This issues with the concurrence of IFD Vide their Concurrence Dy.No)/4007/2018-19 dated 12.12.2018.

  
(Vandana Singh)  
Scientist-E

Copy for information and necessary action to:-

1. The Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi-110 002.
2. Copy with two spare copies of the sanction to the Drawing & Disbursing Officer, DST, Cash Section.
3. The Principal, Government Science College Durg-491001, Chhattisgarh.
4. Dr. Jagjeet Kaur Saluja, Government V.Y.T. PG. Autonomous College Durg-491001, Chhattisgarh.
5. Dr. Neha, Dubey, Government V.Y.T. PG. Autonomous College Durg-491001, Chhattisgarh.
6. Pay & Accounts Officer, DST, New Delhi.
7. IFD, DST, New Delhi.
8. Sanction Folder.

  
(Vandana Singh)  
Scientist-E



No. SR/WOS-A/PM-14/2018 (C)  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology  
KIRAN DIVISION

Technology Bhawan  
New Mehrauli Road  
New Delhi-110016  
Dated 14.12.2018

**ORDER**

**Sub:** Financial approval of the project under Women Scientist Scheme A (WOS-A) entitled "**Synthesis and characterization of rare earth activated Zirconiumbased phosphor for biomedical applications**".

**PI** Dr. Neha, Dubey, Government V.Y.T. PG. Autonomous College Durg-491001, Chhattisgarh.

In continuation of the Sanction Order No. **SR/WOS-A/PM-14/2018 (G)** dated 14.12.2018 Sanction of the President is hereby accorded to the payment of **Rs 1,50,000/-** (Rupees One Lac Fifty Thousand only) as the Grant for "creation of capital assets" in the above mentioned project. The details of the equipments to be procured are given below:

Sl. No.	Heads	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	Total
<b>A.</b>	<b>Non-Recurring (Capital Items)</b>				
	Equipments: Spectrophotoflurometer	1,50,000/-	-----	-----	1,50,000/-
	<b>TOTAL</b>	1,50,000/-	-----	-----	1,50,000/-

2. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. The interest earned / accrued should be reported to DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the grantee organization, which will be adjusted towards future release of grant.

3. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

4. The grantee organization will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

5. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

6. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C & AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

7. The grant-in-aid being released is subject to the condition that.

(a) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant.

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(b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grant under the project shall be considered only on receipt of the said document.

8. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.

9. The Grantee Institute (GI) will maintain separate audited as per GFR 2017 Rule 230 (8) account for the project and the entire amount of grant will be kept in an interest bearing bank account. For Grants released during F/Y 2017-2018 and onwards interest and other earnings, against released Grant shall be remitted to Consolidated Fund of India, immediately after finalization of accounts, as it shall not be adjusted towards future release of Grant. A certificate to this effect shall have to be submitted along with statement of expenditure/utilization certificate for considering subsequent release of grant/closure of project accounts. GI should also follow Rule 230 (17) of GFR 2017 concerning to reservation of SC/ST/OBC, if application.

9. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

10. The expenditure involved is debitable to Demand No.84, Department of Science & Technology for the year 2018-19:

3425 Other Scientific Research (Major Head)

60 Others (Sub-Major Head)

**60.200 Assistance to other Scientific Bodies (Minor Head)**

68 Science and Technology Institutional and Human Capacity Building (Sub Head)

01 Disha Programme for Women in Science

68.01.35 Grant for creation of capital assets for the year 2018-2019 (Voted)

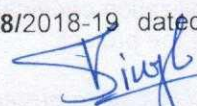
(Previous: Disha Programme for Women in Science 3425.60.200.55.01.35)

12. The amount of **Rs 1,50,000/-** (Rupees One Lac Fifty Thousand only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed The **Principal, Government Science College Durg-491001, Chhattisgarh**. The bank details for electronic transfer of funds through RTGS are given below:-

Institute name : Government Science College Durg  
Bank Name : State Bank of India  
Account Number : 34824622139  
Branch : Government Science College Durg  
IFSC code : SBIN0009517

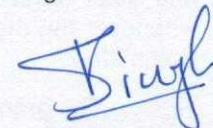
13. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. **466** in the register of grants maintained in the **KIRAN Division** for scheme (WOS-A).

14. This issues with the concurrence of IFD Vide their Concurrence Dy.No)/4008/2018-19 dated 12.12.2018.

  
(Vandana Singh)  
Scientist-E

Copy for information and necessary action to:-

1. The Director of Audit (CW & M-II), AGCR Building, IP Estate, New Delhi-110 002.
2. Copy with two spare copies of the sanction to the Drawing & Disbursing Officer, DST, Cash Section.
3. The Principal, Government Science College Durg-491001, Chhattisgarh.
4. Dr. Jagjeet Kaur Saluja, Government V.Y.T. PG. Autonomous College Durg-491001, Chhattisgarh.
5. Dr. Neha, Dubey, Government V.Y.T. PG. Autonomous College Durg-491001, Chhattisgarh.
6. Pay & Accounts Officer, DST, New Delhi.
7. IFD, DST, New Delhi.
8. Sanction Folder.

  
(Vandana Singh)  
Scientist-E



No. DST/INT/BLG/P-09/2019  
Government of India  
Ministry of Science and Technology  
Department of Science & Technology  
(International Bilateral Cooperation Division)  
\*\*\*\*\*

Technology Bhawan,  
New Mehrauli Road  
New Delhi-110016  
Date :-19.09.2019

**ORDER**

Subject: Implementation of Indo-Bulgaria Joint project entitled: "Ultrahigh-Efficiency lead free Perovskite Solar Cells" coordinated by Dr. Ajaya Kumar Singh with the Bulgaria partner Dr. Mariya Aleksandrova-Pandieva regarding.

Sanction of the President is hereby accorded for incurring an expenditure not exceeding Rs. 11,82,350/- (Rupees Eleven Lakh Eighty Two Thousands Three Hundred fifty) for implementation of the Indo-Bulgaria joint project entitled "Ultrahigh-Efficiency lead free Perovskite Solar Cells" coordinated by Dr. Ajaya Kumar Singh Professor Department of Chemistry (DST-FIST Sponsored) Govt. V. Y. T. PG. Autonomous College, (College with Potential for Excellence) Durg, Chhattisgarh, India with Dr. Mariya Aleksandrova-Pandieva, Associate Professor Department of Microelectronics, Technical University of Sofia, Bulgaria, Bulgaria for a total duration of two years from the date of issue of the Sanction Order. The detailed breakup of the grant for General as well as Capital Components are given below:-

General Component : Rs. 11,82,350/-  
Capital Component : Rs. \_\_\_N.A. \_\_\_

S. No.	Budget Head	1 <sup>st</sup> Year (Rs.)	2 <sup>nd</sup> Year (Rs.)	Total (Rs.)
1.	Number of visits 02 per year one of up to 21 days by PI/ CO-PI 2500*21 = one of up to 03 months from Bulgarian side by student/ young researcher PI/Co PI 50000/ month * 03	52,500  1,50,000	52,500  1,50,000	1,05,000  3,00,000
	Accommodation	1,00,000	1,00,000	2,00,000
2.	Air Travel*  International travel by shortest route by lowest economy class (to and fro) for visit of Indian participants to Bulgaria including silver class medical insurance, VISA fee and domestic travel in India (02 persons)	2,00,000	2,00,000	4,00,000

	(*as per actual)			
3.	Contingency	50,000	50,000	1,00,000
4.	Total	5,52,500	5,52,500	11,05,000
5.	Overhead @ 7%	38,675	38,675	77,350
6.	Grand total	5,91,175	5,91,175	11,82,350

2. Under the existing terms and conditions of the PoC, sending side cover international travel expenses to the state of the receiving country. The receiving side will make local logistic arrangements including local travel and stay arrangements (halt expenses, per diem etc.) in the country visited. The break-up of approved expenditure is as indicated below:

3. Sanction of the President is hereby accorded for release of 1<sup>st</sup> installment amounting to Rs 591,175- (Rupees Five Lakhs Ninety One Thousands One Hundred Seventy five) to the Principal Government Science College India, payment of this amount may be made by DDO, DST by means of electronically transfer to the following a/c as per Bank details given below:

1	Account Holders name/ designation	Principal Government Science College
2	Name of Bank and Address	State Bank of India, Malviya nagar,
3	Bank Account Number	SBIN0009517
4	IFSC Code	34824622139

**Condition for placing of grant amount:**

4. The institute will maintain separate audited account for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitting the (financial year wise) Statement of Expenditure/Utilization Certificate. As per Financial Rule 230 (8), "All interests or other earnings against Grants-in-aid or advances (other than reimbursement) released to any grantee institution should be mandatorily remitted to the Consolidated Fund of India immediately after finalization of the accounts. Such advances should not be allowed to be adjusted against future releases".

**Conditions for submission of SE/UC and Progress report:**

5. (a) The grantee organisation will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission

of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.

- (b) While submitting Utilisation Certificate/Statement of Expenditure, the organisation has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
- (c) A transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/ Organisation under the appropriate rules of the grantee organisation while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organisation immediately on receipt of the grant;



6. The grantee organisation will have to enter & upload the Utilization Certificate in the PFMS portal besides sending it in physical form to this Division. The subsequent/final instalment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the PFMS.

7. In the event grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.

**Conditions of Assets (if any) :**

8. (a) DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
- (b) The equipment/instrument shall have to be purchased within twelve months from the date of release of the capital grant. Fresh permission shall have to be sought from DST, in the event, the Institute fails to purchase the equipment/instrument within the prescribed period of twelve months from the date of release of sanctioned amount.

**Conditions for International Visits :**

9. All project related visits to be undertaken by the Scientists from either side in connection with the implementation of the project shall require prior approval from this Department separately on a case to case basis before any expenditure is incurred in this regard.

10. As per MoF instructions, it has been decided that in all cases of air travel, both domestic and international, where the Government of India bears the cost of air passage, the officials concerned may travel only by Air India. For travel to stations not connected by Air India, the officials may travel by Air India to the hub/point closest to their eventual destination, beyond which they may utilize the services of another airline which should also preferable be an alliance partner of Air India.

**Other Conditions:**

11. The account of the grantee organisation shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organisation is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.

12. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organisation in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.

13. In case the scheme provides for payment of honorarium / remuneration / fellowship / scholarship to the PI, a para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency.

14. As per the GFR 2017 Rule 230 ( 8) the Grantee Institute should ensure that all the interests or other earnings against Grant-in-Aid or advances ( other than reimbursement ) released to any Grantee institution should be mandatorily remitted to the Consolidated Fund of India ( through Non- Tax Receipt Portal ( NTRP ), i.e www. Bharatkosh.gov.in) immediately after finalisation of the accounts, as it shall not be adjusted towards future release of Grant. A certificate to the effect shall have to be submitted along with Statement of Expenditure / Utilisation Certificate for considering subsequent release of Grant Closure of Project account.

*Ti - di Damma*



8/13/2019

4. Internal transport needed for the implementation of the bilateral project for the Bulgarian scientists in India from the capital to the place of the institute they will visit and vice versa.

**Note:**

1. The total duration of the project will be for two years.
2. The grant under equipment, consumables, man-power head will not be considered under the said project.
3. Two visits with prior information and approval of DST will be permitted per year (one short visit of up to a maximum of 21 days, preferably for PI/ CO-PIs and a long visit of more than 21 days duration, preferably for young researchers/ students).
4. All travel related to this visit will be performed via the Air India economy class (through the shortest route). As per latest Government of India instructions: For travel to stations not connected by Air India, the official may travel by Air India to the hub/ point nearest to their eventual destination, beyond which they may utilize the services of other Airlines which should also preferably be an alliance partner of the Air India.

Your acknowledgment with all required documents should reach us till August 30, 2019. This will help us to proceed with your case to the finance division and simultaneous start of this project with your Bulgarian counterpart. It may be noted that we normally take 4-6 weeks to process the project approval after receipt of your documents in DST. You are welcome to send your query through mail/ phone in need of any further clarification.

A copy of Checklist is attached herewith for kind information please.

Thanking you,

With kind regards,

Your sincerely,

(Jyoti Sharma)

**Dr. Ajaya Kumar Singh**

Department of Chemistry

Govt V.Y.T P.G. Autonomous College

Durg, Chhattisgarh, India

Dr. Jyoti Sharma

Scientist E

International Bilateral Cooperation Division

Department of Science and Technology

Ministry of Science and Technology

Technology Bhawan, Mehrauli Road

Delhi, India

Ph.011-26590304

INT/BLG/P-09/2019

From: Jyoti Sharma (sharma.jyoti@nic.in)  
To: ajayaksingh\_au@yahoo.co.in  
Date: Monday, 12 August, 2019, 08:32 am IST

Dr. (Ms) Jyoti Sharma  
Scientist E  
International Bilateral Cooperation Division  
Tel: 26590304  
E-Mail: sharma.jyoti@nic.in

August 9, 2019

INT/BLG/P-09/2019

12.9.2019  
Dear Dr. Singh,

I am pleased to inform you that your project entitled 'Ultrahigh-Efficiency lead free Perovskite solar Cells' under India-Bulgaria Joint Research Projects 2018 has been recommended for two years' support.

In order to process for formal approval of the Department by way of issuance formal sanction of the project, you are kindly advised to send the administrative and security/ sensitivity clearance from your parent organization (Ministry/ Department) along with a soft copy of your project proposal. In the case of University/ Academic, organisation/ DST aided institutions, the PI should organise such clearance from the Head or delegated authority in their University/Institute. You are also advised to furnish all information, asked in the attached checklist along with budget estimates in a separate sheet.

Financial provisions available for the exchange visit component may be proposed as follows:

The international travel cost for their scientists to the capital city/arrival city and medical insurance shall be provided to the visiting scientists by the sending side. DST will cover all the costs associated with international fare, overseas medical insurance (by silver class for visit duration), and VISA processing fee of the Indian scientists. Receiving side will make the following arrangements:

1. The Indian Scientists visiting Bulgaria shall be provided per diem amount at the rate of 48 BGN per day in the case of short-term visits (up to 21 days) and 1150 BGN per month for a long-term visit (more than 21 days) for food, local transport and out of pocket expenses. The Bulgarian Scientists visiting India shall be paid per diem amount at the rate of 2,500 Indian rupees per day in the case of a short-term visit (up to 21 days) and 50,000 Indian rupees per month in the case of a long-term visit (more than 21 days) for food, local transport and out of pocket expenses.
2. Free furnished accommodation in Guest House/Hotel with reasonable amenities.
3. In-country transport from the Capital city/arrival city to the visiting institute by appropriate means, and Pickup from and dropping facility at the airport to all visiting researchers. In the case of a senior scientist (with the rank of director/ dean or senior rank), transport should be provided for official cases.

15. GI should also follow Rule 230 (17) of GFR, 2017 concerning reservation of SC/ST/OBC, if applicable.

16. Goods ( consumable/equipments) available in Government eMarket ( GeM) Portal are to be procured mandatorily online through GeM only.

17. **Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.**

18. The expenditure involved is debitable to **Demand No.86**, Department of Science & Technology for the financial year **2019-20**:

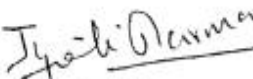
3425	:	Other Scientific Research (Major Head)
60	:	Others
60.798	:	International Cooperation (Minor Head)
14	:	Research & Development
14.00.31	:	Grants-in-aid General for the year 2019-20
(Previous : ICD-3425.60.798.12.00.31)		

19. This sanction order being 1<sup>st</sup> instalment for implementation of this project, no SE/UC is due from the grantee institution against this project.

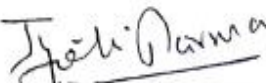
20. This issues with the concurrence of IFD, vide their Diary No. **3698 /IFD 2019-20**  
**Date 19.09.2019**

21. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. ....in the register of grants maintained in the Division.

The Pay & Accounts Officer,  
Department of Science & Technology

  
(Dr. Jyoti Sharma)  
Scientist E (IBCD)

1. Office of the Principal Director & Audit IIIrd Floor, AGCR Bldg., IP Estate, New Delhi
2. Cash Section (3 copies) DST
3. I.F Division/ Accounts Section, DST
4. Sanction folder
5. Project file
6. Dr. Ajaya Kumar Singh Professor Department of Chemistry (DST-FIST Sponsored) Govt. V. Y. T. PG. Autonomous College, (College with Potential for Excellence) Durg, Chhattisgarh, India
7. Finance Officer, Principal Government Science College

  
(Dr. Jyoti Sharma)  
Scientist E (IBCD)





**GOVT. V.V.T. PG. AUTONOMOUS COLLEGE, DURG, 491001 (C.G.)**

(Former Name – Govt. Arts & Science College, Durg)

Phone-0788-2359688, Fax- 0788-2212030

NAAC Accredited Grade 'A+'; CPE Phase - III (UGC, N. Delhi); Centre of Excellence in Science

Website – [www.govtsciencecollegedurg.co.in](http://www.govtsciencecollegedurg.co.in), Email – [pprincipi2010@gmail.com](mailto:pprincipi2010@gmail.com)



No. 2458/21

Durg, Date: 06/12/2021

### **SANCTION LETTER OF RESEARCH PROJECT**

**Project No. – MN/RP/13/CHE, Date – 06/12/2021**

The minor Research Project Submitted by Dr. Ajay Kumar Pillai, entitled – “Determination and Removal of Organic Pollutants in Pond Water in Durg” has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Chemistry.

The allocation of the project is as below-mentioned –

S. No.	Investigators	Components	Allocation	Remark
7.	Dr. Ajay Kumar Pillai	Chemical, Glassware's	40,000=00	
		Hiring Service	Nil	
		Contingency	10,000=00	
		Travel	Nil	
		Miscellaneous	Nil	
			50,000=00 Fifty Thousand Only	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
3. Any unlawful expenditure will be recovered from salary of the employee.
4. Any alteration in grants component shall not be admissible without prior approval from Research Council of the College.





# छत्तीसगढ़ विज्ञान एवं प्रौद्योगिकी परिषद

## Chhattisgarh Council of Science & Technology

Vigyan Bhawan, Vidhan Sabha Road, Daldal Seoni, Raipur, (C. G.) 492 001  
Ph.(Off.) 0771-2972940, Fax:0771-2972947, Email:dgccost@gmail.com, Web:cgcost.nic.in

No...../CCOST/MRP/2018

Raipur, Date...../...../2018

### Sanction Order

To

**The Registrar**

Pt. Ravishankar Shukla University,

**Raipur (CG)**

**Sub:** Sanction of Mini Research Project entitled 'Trees of BSP Township area, A field guide'.

**Ref:** Mini Research Project proposal of Dr. M. L. Naik, Ex Professor of Bioscience, National Centre for Natural Resources, Pt. Ravishankar Shukla University, Raipur (CG).

**Project Investigator:** Dr. M. L. Naik, Ex Professor of Bioscience, National Centre for Natural Resources, Pt. Ravishankar Shukla University, Raipur (CG).

**Co-Project Investigator:** Dr. Sriram Kunjam, Assistant Professor, Department of Botany, Govt. VYT PG College, Durg (CG).

**Co-Project Investigator:** Dr. T. Kalaichelvan, Assistant Manager, Environment Mnagement Department, Bhilai Steel Plant, Bhilai (CG).

Chhattisgarh Council of Science & Technology hereby acknowledges that the Mini Research Project Proposal submitted by the Principal Investigator Dr. M. L. Naik was evaluated by experts and as per the recommendation of the experts found it fit for sanction.

The Council hereby sanctions Rs.4,20,000/- (**Rs. Four Lakh Twenty Thousand only**) for completing the project, within a period of one years. The sanction is accorded with following terms and conditions:-

1. The Grant -in - Aid would be released through the Head of the Institution who would be responsible for proper utilization of the grant.
2. This sanction is subject to the condition that the grantee institution will furnish to the Council of Science & Technology, Financial year wise annual progress report and utilization Certificate (UC) in the proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned/accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.



## II Budget:

- (a) Total amount sanctioned Rs. 4,20,000/- .  
(b) Period- Two years, from August 2018 to July 2020.  
(c) Break-up of the budget:

Sl	Budget Head	1 <sup>st</sup> year (Rs.)	2 <sup>nd</sup> year (Rs.)	Total (Rs.)
1	Staff:			
	One Project Fellow (@ Rs.10,000/- per Months for 24 Months)	1,20,000/-	1,20,000/-	3,00,000/-
	One Field Assistant (@ Rs. 5,000/- per Months for 12 Months)	60,000/-	-	
2	Contingencies			
	Materials, Chemicals, Glassware	-	-	-
	Stationary, Books, Reprints etc	20,000/-	20,000/-	40,000/-
	TA only for Field Work	30,000/-	10,000/-	40,000/-
3	Equipments:			
	Camera with GPS	40,000/-	-	40,000/-
	<b>Total (Rs.)</b>	<b>2,70,000/-</b>	<b>1,50,000/-</b>	<b>4,20,000/-</b>

(d) Additional released, if any Rs.—

### NOTE:

1. Kindly include the suggestions of experts as per Annexure- I in the project work and inform the Council.
2. Submit the consent of the Co-Project Investigators duly forwarded by their Head of Institute for completion of the project.

**The grant will be released subject to fulfilment of above conditions.**

(As approved by Director General)

(Dr. Tribhuvan Singh)  
Scientist 'D'

Endt. No. 1033/CCOST/MRP/2018

Raipur, dated. 20/08/2018

### Copy to:

1. Dr. M. L. Naik (PI), Ex Professor of Bioscience, National Centre for Natural Resources, Pt. Ravishankar Shukla University, Raipur (CG).
- ✓ 2. Dr. Sriram Kunjam (Co-PI), Assistant Professor, Department of Botany, Govt. VYT PG College, Durg (CG).
3. Dr. T. Kalaichelvan (Co-PI), Assistant Manager, Environment Management Department, Bhilai Steel Plant, Bhilai (CG).
4. Concerned file.

(Dr. Tribhuvan Singh)  
Scientist 'D'



No. NRDMS/SC/ST/26/016 (G)  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology

Technology Bhawan  
New Mehrauli Road  
New Delhi-110016.  
Dated: 16/12/2016

Order

**Subject:** Financial support to the Project Entitled "Study of Erythrocyte disorder among schedule caste and scheduled tribe population of Kabiidham district of Chhattisgarh, India by Dr. Anil Kumar, Assistant Professor, Department of Biotechnology, Govt. V.Y.T.PG. Autonomous College, Durg. (C.G.)- 491 001, GE. Road, Durg- 491 001.

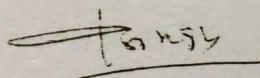
Sanction of the President is hereby accorded for the implementation of above mentioned project at a total cost of **17.53 Lakhs (Rupees seventeen lakh fifty three thousand Only)** for a period of **three years**, with **0.60 Lakhs** under Capital Head and **16.93 Lakhs** under General Head. The items of expenditure for which the total allocation of '17.53 Lakhs has been approved are given below:

**Capital Assets(Non-Recurring) : 0.60 Lakhs (First year release)**

**General Components(Recurring) : 5.91 Lakhs (First year release)**

**Total cost of the project: 17.53 Lakhs**

S.No	Item	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> year	Total
A.	Non-Recurring				
1.	Computer and software	60,000/-			60,000/-
	Total Non-Recurring	60,000/-	-		60,000/-
B.	Recurring				
1.	Manpower (Project assistant@ Rs.8000/-)	96,000/-	96,000/-	96,000/-	2,88,000/-
2.	Consumables	80,000/-	3,50,000/-	3,50,000/-	10,80,000/-
3.	Travel	75,000/-	75,000/-	75,000/-	2,25,000/-
	Miscellaneous	20,000/-	30,000/-	30,000/-	1,00,000/-
	Total B	5,91,000/-	5,51,000/-	5,51,000/-	16,93,000/-





	Grand (A+B)	Total	6,51,000/-	5,51,000/-	5,51,000/-	17,53,000/-
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9. 2.The release and disbursement of Rs. **5.91 Lakhs** (Rupees five lakh ninety one Thousand Only) as 1<sup>st</sup> year release under '**Grant-in-aid General**' to The Principapl, Govt. V.Y.T.PG. Autonomous College, Durg. (C.G.)- 491 001, GE. Road, Durg- 491 001through RTGS mode. The required details are as under :

**Agency Name** : The Principal, Govt. V.Y.T.PG. Autonomous College

**Branch Name** : BIT Branch, BIT Campus, GE Road, Durg

**Account No.** : 18290110001899

**Bank Name** : UCO Bank

**IFSC Code** : UCBA0001829

3. The expenditure involved is debitable to Demand No. 077, Department of Science & Technology:
- |          |  |
|----------|--|
| 3425     | Other Scientific Research (Major Head)                         |
| 60       | Other (Sub Major Head)   |
| 60.796   | Tribal Area Sub Plan   |
| 01       | Grant in aid for S&T Programme for Socio Economic Dev.         |
| 01.01    | Tribal sub plan for Technology Development Programme           |
| 01.01.31 | Grants-in-aid for the year 2016-17 (Plan Expenditure- General) |

(NRDMS Programme)

4. It is also certified that this is the first sanction for the project and as such the clause related to submission of UC to PAO is not applicable. It is also certified that no utilization certificate is pending against the organization for this scheme (NRDMS Programme) as per details in the PFMS also.

5. The Institute will furnish to the DST, Utilization Certificate and an audited statement of accounts pertaining to the grant immediately released after the end of each financial year.

6. All purchases of equipments etc. would be as per GFR and the disposal of the same would be done with prior approval of DST. The Institute

7. As per rule 212(1) of GFR the accounts of all grantee institution shall be open to inspection by the sanctioning authority and Controller Auditor General of India (CAG)(DPC) Act 1971 and Principal Accounts Office, whenever the institute is called upon to do so.

8. The institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest earned should be reported to DST. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant. Guidelines and details for implementing the research project may be followed as per the details given on website [www.nrdms.gov.in](http://www.nrdms.gov.in).

9. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Department of science & Technology should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report



10. This sanction issues in exercise of the powers conferred on this Department and in consultation with the IFD vide their Concurrence Diary No. C/4708/IFD 2016-17 dated 15/12/2016.

11. The sanction order is entered vide NRDMS S.L. No.  $\frac{138}{19}$  in the register of grants.

( Dr. A.K. Singh )  
Scientist 'D'

To .  
PAO, DST, New Delhi

Copy forwarded for information and necessary action to:

1. The Director of Audit (CW & M-II), Indraprastha Estate, AGCR Building, New Delhi.
2. Copy with a spare copy of sanction to the Drawing and Disbursing Officer, DST, Cash section for making necessary payment to grantee.
3. IF Division, DST, New Delhi.
4. Sanction Folder.
5. Dr. Anil Kumar, Assistant Professor, Department of Biotechnology, Govt. V.Y.T.PG. Autonomous College, Durg. (C.G.)- 491 001, GE. Road, Durg- 491 001.
6. The Principal, Govt. V.Y.T.PG. Autonomous College, Durg. (C.G.)- 491 001, GE. Road, Durg- 491 001.
7. Head (NRDMS-NSDI), DST, New Delhi
8. Head, SEED division, DST, New Delhi

( Dr. A.K. Singh )  
Scientist 'D'

## COLLABORATIVE RESEARCH AGREEMENT

This Collaborative Research Agreement (“Agreement”) is made as of August 20, 2021 (“Effective Date”), to expire 6 months after the “Effective Date” or December 31 2021, whichever comes first, by and between **3billion**, a company (“3billion”), having a principal place of business at 14F, 416, Teheran-ro, Gangnam-gu, Seoul, Republic of Korea (06193), and [--Department of Biotechnology,-Government V.Y.T.PG Autonomous College, Durg, Chhattisgarh, India] (“INSTITUTION”), with offices located at [-G.E.Road, Durg, Chhattisgarh, India-] and (each a “Party,” and collectively the “Parties”).

WHEREAS, 3billion is engaged in the business of research and development in the field of diagnosis of rare genetic disease caused by genetic variant(s) by applying whole exome sequencing(“WES”) methodology and has developed and possesses certain genetic testing technology; and

WHEREAS, 3billion is also offering non-commercial services such genetic testing technology to profit or nonprofit institutions as a part of collaborative research program with such institutions; and

WHEREAS, INSTITUTION is willing to join the collaborative research program by providing to 3billion the Materials and Data, as defined below; and

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained, 3billion and INSTITUTION, intending to be legally bound, agree as follows:

### ARTICLE I: DEFINITIONS

- 1.1 “Eligible Patients” means the patients who are eligible for the Research Collaboration purpose meeting the criteria as defined in Appendix A under this Agreement.
- 1.2 “Data” means data provided by INSTITUTION as defined in Appendix A, and any related information that is provided by INSTITUTION to 3billion under this Agreement.
- 1.3 “INSTITUTION Investigator” means [“ Dr. R.N. Singh ” Institutional Head, and Dr. Anil Kumar , Head of Research], who has agreed to serve as principal investigator for the Research Program on behalf of INSTITUTION.
- 1.4 “Materials” means materials provided by INSTITUTION as defined in Appendix A and any unmodified derivatives, and any related information that is provided by INSTITUTION to 3billion under this Agreement.
- 1.5 “3billion Investigator” means Changwon Keum, who has agreed to serve as principal investigator for the Research Program on behalf of 3billion.
- 1.6 “Confidential Information” means any information that is disclosed by one Party (the “Disclosing Party”) to the other Party (the “Recipient”) relating to the Research Program that (i) is in writing designated “confidential” (or with word of similar import) at the time of disclosure; (ii) if disclosed orally, visually, or physically, is designated “confidential” (or with word of similar import) at the time of disclosure; or (iii) a reasonable person would consider confidential based on the nature of such information and the circumstances of disclosure. “Confidential Information” shall not

include:

- A. Information that is known to the Recipient or independently developed by Recipient without use of the Disclosing Party's Confidential Information, in each case, to the extent evidenced by written records;
  - B. Information, the Recipient can show, was rightfully received by the Recipient from a third party having no obligation of confidentiality to the Disclosing Party at the time of disclosure;
  - C. Information that becomes patented, published, or otherwise part of the public domain other than as a result of a breach by the Recipient of its obligations hereunder; or
  - D. Information that is required to be disclosed by order of United States governmental authority, law, rule of court, regulation, subpoena, or a court of competent jurisdiction; provided that the Recipient shall use reasonable efforts to obtain confidential treatment of such information by such authority or court.
- 1.7 "Research Collaboration" means the collaborative research program between 3billion and INSTITUTION set forth in Appendix A, attached hereto and made a part hereof.
- 1.8 "Research Data" means genomic data generated by WES assay by 3billion during the performance of the Research Collaboration.
- 1.9 "Research Results" means the report in PDF format summarizing the analysis or interpretation of the Research Data.

## ARTICLE II: RESEARCH COLLABORATION; PROVISION AND USE OF DATA AND MATERIALS

- 2.1 Research Efforts. Each Party shall use reasonable efforts to conduct the tasks assigned to it as set forth in Appendix A. 3billion Investigator and the INSTITUTION Investigator may agree to modifications of Appendix A that do not alter its scope as they believe necessary and appropriate to perform the Research Collaboration. Any changes must be in writing and must be approved by the Parties, and set forth in an amendment to this Agreement, signed by authorized signatories of the Parties.
- 2.2 Provision of Data and Materials. Upon execution of this Agreement, During the term of this Agreement, INSTITUTION shall provide 3billion with the Data and Materials set forth in Appendix A and related information for a number of [350] Eligible Patients, in order for 3billion to perform its part of the research as set forth in Appendix A. 3billion will pay the shipping charges for sending Materials, excluding any tax charges to be imposed by the country of INSTITUTION, which shall be borne by INSTITUTION.
- 3billion shall use Data after pseudonymization and/or deidentification processing and may store and use thus pseudonymized and/or deidentified Data for profit or non-profit purposes including improving its genetic testing technology, performing secondary research and development (such as drug development), publication or presentation on academic conferences.
- INSTITUTION represents and warrants that the Materials are obtained from the Eligible Patients and the Data and related information is containing enough information in response to 3billion's requirements as provided in 3billion's portal site so as for 3billion to perform its research and that INSTITUTION has obtained consents from the patients for the use of Material and Data for the purpose of Research Collaboration and this Agreement.



- 2.3 Provision of Research Results and Data. It will take usually 20 to 40 business days from the receipt of the Material and Data for 3billion to produce the Research Results. 3billion shall provide to INSTITUTION the resulting Research Results promptly as it becomes available. If 3billion finds that the Data is insufficient or Material is inadequate for the research, 3billion may reject its research or may not provide Research Results. In that case, 3billion will immediately notify INSTITUTION thereof.

If requested by INSTITUTION, 3billion will make available to INSTITUTION the Research Data within five (5) days from the date the Research Results is delivered to INSTITUTION in FASTQ and VCF format via URL links valid for two (2) weeks only from the date of upload. For the avoidance of doubt, it is noted that the Research Data will not be available in other format and after the two (2) week period.

INSTITUTION agrees and acknowledges that the Research Results and Data produced by 3billion under this Agreement are the exclusive property of 3billion.

- 2.4 Use of Data. 3billion shall:

- A. Not use or further disclose the Data other than as permitted or required by this Agreement or by law;
- B. Not re-identify the Data, nor attempt to contact any individual who is the subject of the Data;
- C. Use appropriate safeguards to prevent the use or disclosure of the Data other than as provided for by this Agreement;
- D. Promptly report in writing to INSTITUTION any use or disclosure of the Data not provided for by this Agreement of which the 3billion becomes aware; and
- E. Ensure that any agent, including a subcontractor, to whom 3billion provides Data agrees to the same restrictions and conditions that apply through this Agreement to 3billion with respect to such Data.

- 2.5 Use of Materials. 3billion shall agrees that the Materials:

- A. Shall be used only for the Research Collaboration;
- B. Shall be used only by the Party's Investigator and those employees directly under their supervision;
- C. Shall be used in accordance with all applicable statutes, regulations, and Federal Government guidelines of both countries; and
- D. Shall not be used, directly or indirectly, for commercial purposes.

No other use or distribution to any third party of Data or Materials is permitted, without the prior written consent of INSTITUTION.

- 2.6 Use of Research Results and Data. INSTITUTION shall:

- A. Not use or further disclose the Research Results and Data other than as permitted or required by this Agreement or by law;
- B. Use appropriate safeguards to prevent the use or disclosure of the Research Results and Data other than as provided for by this Agreement;
- C. Promptly report in writing to 3billion any use or disclosure of the Research Results and

- D. Data not provided for by this Agreement of which the INSTITUTION becomes aware; and Ensure that any agent, including a subcontractor, to whom INSTITUTION provides Research Results and Data agrees to the same restrictions and conditions that apply through this Agreement to INSTITUTION with respect to such Research Results and Data.
- 2.7 Disposition of Materials. 3billion shall either destroy all Material immediately after the Research Results are delivered to INSTITUTION.
- 2.8 Costs. 3billion will not charge the cost for Research Results and Data to INSTITUTION nor its patients. The Parties shall each be responsible for their own costs and expenses incurred in their performance of the Research Collaboration.
- 2.9 The Parties do not intend to provide to each other personally identifiable patient information, including 'protected health information("PHI")' protected by the laws applicable to the Eligible Patients. Notwithstanding the foregoing, should any PHI be disclosed, such information shall be treated as confidential by the Party receiving PHI in accordance with all applicable laws and regulations governing the confidentiality and privacy of individually identifiable health information, and the Parties agree to take such additional steps as may be required to ensure that the Parties remain in compliance with the applicable laws and regulations.

#### ARTICLE III: CONFIDENTIAL INFORMATION

- 3.1 Obligations. Each Party agrees to maintain in confidence, and to not disclose to any third party, any Confidential Information of the other Party received pursuant to this Agreement. Each Party agrees to ensure that its employees have access to the other Party's Confidential Information only on a need-to-know basis, and that such employees are bound by the obligations hereunder.
- 3.2 Duration of Obligations. The Parties' obligations concerning nondisclosure and non-use of Confidential Information received under this Agreement shall continue for five (5) years from the conclusion or early termination of this Agreement.
- 3.3 The Materials provided under this Agreement are not intended to contain personally identifiable patient information, and will not include PHI. Notwithstanding the foregoing, the Recipient agrees that, should any PHI be disclosed, such information shall be treated as confidential by the Recipient in accordance with all applicable federal, state, or local laws and regulations governing the confidentiality and privacy of individually identifiable health information, and the Parties agree to take such additional steps as may be required to ensure that the Parties remain in compliance with the applicable federal, state or local laws and regulations.

#### ARTICLE IV: PUBLICATION

- 4.1 Publications by INSTITUTION. Should INSTITUTION desire to disclose the Research Results publicly, in writing or by oral presentation, INSTITUTION shall notify 3billion in writing of INSTITUTION's intention at least thirty (30) days before such disclosure. INSTITUTION shall include with such notice a description of the oral presentation, or, in the case of a manuscript or other proposed written disclosure, a current draft of such written disclosure. In case of publication of research paper, INSTITUTION may use the name of 3billion in material and methods section or acknowledgement section and list 3billion as an author.



- 4.2 Publication by 3billion. 3billion will not make publication on clinical case reports produced by utilizing the Research Results, nor use the name of INSTITUTION without prior written consent of INSTITUTION.

#### ARTICLE V: INTELLECTUAL PROPERTY

Ownership of Research Results and Data. All Research Results and Data developed during the performance of the Research Collaboration shall be owned by 3billion whose Investigator performed that part of the Research Collaboration. INSTITUTION may use the 3billion's Research Results and Data generated under this Agreement for the following purposes to the extent permitted by the consents of the patients: publication of research paper, additional research and analysis, presentation on or meeting of research society, *provided that* INSTITUTION shall not disclose nor sell the Research Results and Data to a third party which is engaged in the business competing with that of 3billion. INSTITUTION, on its own judgment and risk, may provide the patients with the Research Results for them, and give a diagnosis based on the Research Result to its patients, and INSTITUTION agrees that 3billion shall not have any obligation, responsibility or liability on the ground that 3billion has provided the Research Results to INSTITUTION.

#### ARTICLE VI: REPRESENTATIONS AND WARRANTIES

- 6.1 WARRANTY DISCLAIMER. THE PARTIES MAKE NO EXPRESS OR IMPLIED WARRANTY AS TO ANY MATTER WHATSOEVER, INCLUDING THE CONDITIONS OF THE RESEARCH OR ANY RESEARCH RESULTS OR RESEARCH DATA, WHETHER TANGIBLE OR INTANGIBLE, MADE OR DEVELOPED UNDER THIS AGREEMENT, OR THE OWNERSHIP, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OF THE RESEARCH OR ANY RESEARCH RESULTS OR DATA, OR THAT THE USE OF THE DATA OR MATERIALS, THE USE OF RESEARCH RESULTS OR RESEARCH DATA OR ANY OTHER TECHNOLOGY USED IN THE PERFORMANCE OF THE RESEARCH COLLABORATION WILL NOT INFRINGE ANY PATENT, COPYRIGHT, TRADEMARK, OR OTHER PROPRIETARY RIGHTS.
- 6.2 ALL DATA AND MATERIALS ARE PROVIDED WITHOUT WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXCEPT EXPRESSED HEREIN.
- 6.3 ALLBIOSPECIMENS ARE COLLECTED FOR RESEARCH PURPOSES, AND SHALL BE USED WITH PRUDENCE AND APPROPRIATE CAUTION, AS THEY MAY POTENTIALLY CARRY INFECTIOUS AGENTS.

#### ARTICLE VII: LIABILITY

- 7.1 3billion agrees to hold harmless INSTITUTION, its trustees, officers, employees, medical staff, research staff, agents and affiliates ("Indemnified Party") from any and all claims, suits, liabilities, losses, damages and expenses (including attorney's fees) ("Claims") including those arising by reason of personal injury (including death) to any person or damage or destruction to property or other loss arising out of or connected with (i) a material breach of this Agreement by 3billion; (ii) use, storage, or disposal of the Data and Materials, or (iii) any negligent or wrongful act or omission of 3billion, except to the extent such Claims are the result of

INSTITUTION's gross negligence or willful misconduct of INSTITUTION or any of INSTITUTION Indemnified Parties. This provision shall survive termination or expiration of this Agreement.

- 7.2 INSTITUTION agrees hold harmless 3billion, its trustees, officers, employees, medical staff, research staff, agents and affiliates ("Indemnified Party") from any and all claims, suits, liabilities, losses, damages and expenses (including attorney's fees) ("Claims") including those arising by reason of personal injury (including death) to any person or damage or destruction to property or other loss arising out of or connected with (i) a material breach of this Agreement by INSTITUTION; (ii) any negligent or wrongful act or omission of INSTITUTION, except to the extent such Claims are the result of 3billion's gross negligence or willful misconduct of 3billion or any of 3billion Indemnified Parties. This provision shall survive termination or expiration of this Agreement.
- 7.3 The obligations set forth in this Article 7 are subject to the condition that the Indemnified Party seeking indemnification shall provide prompt written notice of any written suit, action or claim and cooperate with the other Party and authorize the other Party to carry out the sole management and defense of any such suit, claim or action. In addition, each Party will not agree to any settlement that could in any way be detrimental to the Indemnified Party without the prior written consent of the Indemnified Party. The indemnification obligations set forth in this Article 7 shall survive expiration or termination of this Agreement. The indemnification rights contained herein are in addition to all other rights which a Party may have at law or in equity or otherwise.

#### ARTICLE VIII: TERM AND TERMINATION

- 8.1 Term. The initial term of this Agreement shall begin on the Effective Date and shall continue for a period of six (6) months unless terminated sooner in accordance with the provisions of this Agreement. If the term of six (6) months from the Effective Date does not finish before December 31, 2021, regardless of Effective Date, the agreement will expire on December 31, 2021 due to the completion of the research collaboration. For the purpose of clarification, the specimens being shipped from the departing location within the term of this Agreement will be accepted for the research collaboration. If the specimens are shipped from the departing location after the term of this Agreement ends, they will not be accepted.
- 8.2 Termination Without Cause. Either Party may unilaterally terminate this Agreement without cause upon thirty (30) days written notice to the other Party.
- 8.3 Termination with Cause. Either Party may terminate this Agreement, effective upon written notice to the other Party, if the other Party breaches any of the material terms or conditions of this Agreement and fails to cure such material breach within thirty (30) days after receiving written notice thereof.
- 8.4 Effects of Termination. Termination of this Agreement shall not affect the obligations of the Parties accrued prior to termination.
- 8.5 Survival. The provisions of Articles 2, 3, 4, 5, 6, and 7 shall survive any expiration or termination of this Agreement consistent with any timeframes noted therein.

#### ARTICLE IX: GENERAL

- 9.1 Binding Effect: Assignment. This Agreement shall be binding upon and shall inure to the benefit of the Parties hereto and their respective transferees, successors, and assigns, except that neither Party shall have the right to assign this Agreement or its right and obligations hereunder, without the prior written consent of the other Party thereto.
- 9.2 Entire Agreement. This Agreement embodies the entire understanding between the Parties and supersedes all prior understandings and agreements, whether written or oral, relating to the subject matter hereof. This Agreement may not be varied except by a written document signed by duly authorized representatives of both Parties.
- 9.3 Notices. Notices under this Agreement shall be in writing, sent by courier, and addressed as follows:

If to INSTITUTION:

Dr. R. N. Singh----Institutional Head  
Dr. Anil Kumar – Head Researcher  
Department of Biotechnology,  
Government V.Y.T.PG Autonomous College, Durg, Chhattisgarh, India  
G.E.Road, Durg, Chhattisgarh, India  
Attention: Dr. Anil Kumar

If to 3billion:

14F, 416, Teheran-ro, Gangnam-gu, Seoul, Republic of Korea (06193)  
Attention: Changwon Keum

Said notice shall be deemed to be given as of the date of mailing.

- 9.4 Governing Law & Dispute Resolution. Any dispute arising from or in connection with the interpretation, execution, or performance of this Agreement shall be settled amicably through negotiation or conciliation as agreed by both Parties. If the dispute remains unresolved after negotiation or conciliation, both parties will seek to resolve the issue through arbitration. the matter shall be referred to and finally resolved by arbitration administered by the Singapore International Arbitration Centre ("S|AC") in accordance with the "Arbitration Rules of the Singapore International Arbitration Centre ("S|AC Rules") for the time being in force, which rules are deemed to be incorporated by reference in this clause. The Tribunal shall consist of one arbitrator. The language to be used in the arbitral proceedings shall be English.
- 9.5 Heading. Headings included herein are for convenience only and shall not be used to construe this Agreement.
- 9.6 Relationship of Parties. Nothing herein shall be deemed to establish a relationship of principal and agent between 3billion and INSTITUTION, nor any of their agents or employees for any purpose whatsoever. This Agreement shall not be construed as constituting 3billion and INSTITUTION as partners, or as creating any other form of legal association or arrangement that would impose liability upon one Party for the act or failure to act of the other Party. Neither Party shall have any authority to make any statements, representations, or commitments of any kind, or to take any action that shall be binding on the other Party, except as may be explicitly provided



for herein or authorized in writing.

- 9.7 Severability. Any of the provisions of this Agreement that are determined to be invalid or unenforceable in any jurisdiction shall be ineffective to the extent of such invalidity or unenforceability in such jurisdiction, without rendering invalid or unenforceable the remaining provisions hereof or affecting the validity or unenforceability of any of the terms of this Agreement in any other jurisdiction.
- 9.8 Waivers. A waiver by either Party of a breach or violation of this Agreement must be in writing. No delay or omission on the part of either Party to enforce or exercise any right under this Agreement shall operate as a waiver of that right or any other right hereunder, or the ability to later assert that right relative to the particular situation involved, or to terminate this Agreement rising out of any subsequent default or breach. A waiver by either Party of a breach or violation of any provision of this Agreement will not constitute or be construed as a waiver of any subsequent breach or violation of that provision, or as a waiver of any breach or violation of any other provision of this Agreement.
- 9.9 Counterparts. This Agreement may be executed in two or more counterparts, each of which will be deemed an original, and all of which together will constitute the same agreement. This Agreement may be executed by a Party through electronic means, and copies of this Agreement executed and delivered by means of electronic signatures shall have the same force and effect as if such signatures were originals. Delivery of an executed copy of this Agreement by any Party via electronic transmission will be as effective as delivery of a manually executed copy of the Agreement.
- 9.10 Force Majeure. Neither Party shall be liable for any failure to perform as required by this Agreement to the extent such failure to perform is due to circumstances reasonably beyond such Party's control, including, without limitation, labor disturbances or labor disputes of any kind, accidents, failure of any governmental approval required for full performance, civil disorders or commotions, acts of aggression, acts of God, energy or other conservation measures imposed by law or regulation, explosions, failure of utilities, mechanical breakdowns, material shortages, disease, or other such occurrences. In the event of the occurrence of such a force majeure event, the Party unable to perform shall promptly notify the other Party pursuant to Article 9.3. It shall further use its best efforts to resume performance as quickly as possible and shall suspend performance only for such period of time as is necessary as a result of the force majeure event.

{Signature Page Follows}

IN WITNESS WHEREOF, the duly authorized representatives of the Parties hereby execute this Agreement as of the date first written above.

[- Department of Biotechnology,  
Government V.Y.T. PG Autonomous College,  
G.E.Road, Durg, Chhattisgarh, India -]

3BILLION

By: 

Name: [Dr. R. N. Singh]

Title: [Institutional Head]

Date: [2021-08-19]

By: 

Name: Changwon Keum

Title: CEO

Date: 2021.08.23

## Appendix A

### DATA

#### **Data:**

Clinical phenotype, symptoms and other required information as provided in 3billion's portal site of patients for whom Materials are obtained. Data shall only be provided to 3billion after pseudonymization and/or deidentification.

### MATERIALS

#### **Materials:**

The specimen to be obtained from Eligible Patients and to be delivered in accordance with the requirements that will be informed by 3 billion to INSTITUTION promptly after the Effective Date.



Eligible Patients means:

1. A patient who is strongly suspected of having a genetic disease by medical geneticists or specialist physicians; when one or more of the following 3 conditions are met:

- a. A patient with developmental delay and/or intellectual disability
- b. A patient with complex phenotypes for which single gene tests or targeted-gene panels are not clinically available or cost-effective (ex. multiple congenital anomalies, dysmorphism)
- c. A patient with a clinical symptom suspected of monogenic disorder in specific organ (ex. retinitis pigmentosa, arrhythmia)

2. A patient who is undiagnosed, even after taking conventional genetic tests such as chromosome analysis, chromosome microarray, or single or targeted gene panel testing.

A patient has to be included in one or more of these criteria below in order to enroll the research collaboration.

**\*\* Requirement:** Patient indication is limited to a patient who shows symptoms at a young age (<18 year of age), but an exception may be made in case of certain disease presenting symptoms in adulthood (Indication 1-c),

## **RESEARCH COLLABORATION**

### **Description of Research Collaboration:**

Providing INSTITUTION with free-of-charge genetic testing based on Whole Exome Sequencing(“WES”) Analysis as to Eligible Patients for the purpose of diagnosis

### **Role and Responsibilities of INSTITUTION in Research Collaboration:**

1. Provide Material and Data meeting 3billion’s requirements
2. Diligent feedbacks demanded on all the following contents;
  - a. whether the institution accepted the results provided by 3billion
  - b. if the result given by 3billion is NOT accepted, institution must inform 3billion.
  - c. whether the parents’ genetic testing was conducted for variant(s) found in the diagnosed patient

### **Role and Responsibilities of 3billion in Research Collaboration:**

1. Determine suitability of Blood/DNA samples provided by INSTITUTION
2. Perform whole exome sequencing of each Blood/ DNA sample
3. Perform bioinformatic analyses of sequencing data and interpret the variant(s) clinically to identify pathogenic/likely pathogenic variant(s)
4. Provide reports confirmed by medical geneticists and medical doctors

No. BT/IN/Indo-US/Foldscope/39/2015

Government of India  
Ministry of Science & Technology  
Department of Biotechnology

Block No.2, 6-8th Floors,  
CGO Complex, Lodi Road,  
New Delhi - 110 003.  
Dated: 20.03.2018

Admin Order

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the payment of Rs.3120.00 Lakhs (Rupees Thirty One Crore Twenty Lakhs Only) to Biotech Consortium India Limited (BCIL), 5<sup>th</sup> Floor, Anuvrat Bhawan, 210, Deen Dayal Upadhaya Marg, New Delhi - 110002 towards the "Towards disbursement of Micro grant for implementation of projects under the Foldscope scheme" as per break-up given below: -

(Rs. in Lakhs)						
Sr. No.	Item	Number of Schools/ Colleges/ Institute/ University	Total budget per School/ Colleges/Institute/ University	Total Budget	1 <sup>st</sup> Installment (75%of total budget)	2 <sup>nd</sup> Installment (25%of total budget)
I	NER Schools (Category-A)	33	4.00	132.00	98.00	34.00
II	Other Regions of India Schools (Category-A)	84	4.00	336.00	252.00	84.00
III	NER Colleges/Institute / Universities (Category-B)	81	8.00	648.00	486.00	162.00
IV	Other Regions of India Colleges/Institute / Universities (Category-B)	247	8.00	1976.00	1483.00	493.00
Total (A)				3092.00	2319.00	773.00
V	Budget for the Project Secretariat to BCIL (B)			28.00	28.00	0.00
Grand Total (A+B)				3120.00	2347.00	773.00*

\*The second installment will be released after the review of technical & scientific progress report and submission of UC/SE after 6 months.

- The list of approved School/Colleges/Institute/ Universities of category A & B may be seen at Annexure-I to IV.



3. The budget details for awardees under category 'A' and category 'B', and the budget breakup of Project Secretariat to BCIL may be seen at **Annexure- V**.
4. The budget for Item-I [NER (Schools)] and Item-III [NER (Colleges/Institute/ University)] will be debitible by the NER budget head.
5. The budget for Item-II (Other Regions of India Schools), IV (Other Regions of India Colleges/Institute/ Universities) & V (Project Secretariat to BCIL, Detailed Budget for Category A &B) will be debitible from Biotechnology Research and Development (R&D) head.
6. The Foldscope and Micro grants shall be disbursed to the Schools, Colleges and Universities by the NER-BPMC/BCIL as per the **Annexure-I to V**.
7. **Time Schedule:** The duration of the project is 1 Year 0 Month from the date of this sanction order.
8. The expenditure involved is debitible to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2017-2018
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.31	Grants-in-aid General

9. The other terms and conditions governing this sanction are attached at **Annexure- VI**.
10. A Memorandum of Agreement (MoA) will be signed between the Department of Biotechnology and the grantee institution on Non-Judicial stamp paper Rs. 100/- in the enclosed format and the second release/installment will be made only after signing of MoA by the grantee institutions and its acceptance by DBT. In case of NGO or Private Institution, MOA signed is mandatory first release.
11. The Institute/Agency will keep the whole of the grant in a Bank Account earning interest, and the interest so earned should be reported to DBT in the Utilization Certificate and Statement of Expenditure. The Interest so earned will be treated as created to the institute/Agency and shall be adjusted towards further installment of the grant and or at the time of Final Settlement of Accounts.
12. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
13. The Managing Director, Biotech Consortium India Limited (BCIL), 5<sup>th</sup> Floor, Anuvrat Bhawan, 210, Deen Dayal Upadhaya Marg, New Delhi - 110002 would be responsible for submission of Statements of Expenditure (SoE), utilization certificates (UC), Assets Certificates, Manpower staffing & expenditure details in prescribed DBT formats to DBT in respect of grants released in this project from time to time.

up



14. As per Rule 236 (1) of GFR 2017, the accounts of all Grantee Institutions or Organizations shall be open to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG(DPC) Act 1971 and internal audit by the Principal Accounts Office of the Ministry or Department, whenever the Institution or Organization is called upon to do so.
15. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest thereon as per Govt. of India shall be recovered.
16. As per Ministry of Finance OM. No. C-13015(34)/MF CGA/PFMS/Misc/2014-15/2095-2127 dated 03.03.2015 all transaction involving cash component has to be made through Public Financial Management System (PFMS) w.c. 01.04.2015 to each beneficiaries.
17. UC/SE must show all the heads as per the sanction order.
18. This issues under the powers delegated to this Department and with the concurrence of IFD, DBT vide their SAN. No. 102/IFD/SAN/4849/2017-18 dated 16.03.2018.
19. This sanction order has been noted at Serial No.      in the Register of Grants.

*Vaishali Panjabi*  
(Vaishali Panjabi)  
Scientist 'D'

To,

The Pay & Accounts Officer  
Department of Biotechnology  
Ministry of Science & Technology  
Lodhi Road, New Delhi-110 003

Copy to:-

1. The Principal Director of Audit (Scientific Departments), AGCR Building, New Delhi-110002.
2. The Pay & Accounts Officer, Department of Science & Technology, New Delhi-110016.
3. Cash Section, DBT. (2 copies).
4. IFD, DBT.
5. The Managing Director, Biotech Consortium India Limited (BCIL), 5<sup>th</sup> Floor, Anuvrat Bhawan, 210, Deen Dayal Upadhaya Marg, New Delhi - 110002
6. Sanction Folder.
7. US (IFD) to re-appropriate the budget for Item -I & III from the NER Budget.

*Vaishali Panjabi*  
(Vaishali Panjabi)  
Scientist 'D'



**Budget Details for Awardees under the Category 'A' (Educational and Training Tool):**

The budget of Rs. 4.00 lakhs will be provided with the following breakup:

S.No.	Items	Amount (Rs. in lakhs)
1.	Consumables	1.00
2.	Travel	2.50
3.	Contingency	0.50
	<b>TOTAL</b>	<b>4.00</b>

Each school will be twinned with a North East school

**Budget Details for Awardees under the Category 'B' (Research Tool):**

The budget of Rs. 8.00 lakhs will be provided with the following breakup:

S.No.	Items	Amount (Rs. in lakhs)
1.	Consumables	2.00
2.	Travel	2.00
3.	Contingency	1.00
4.	Manpower (1 JRF @ 25,000/- p.m.)	3.00
	<b>TOTAL</b>	<b>8.00</b>

**Budget for the Project Secretariat:-**

Sl. No.	Item	Amount (Rs. in lakhs)
1	Hiring Finance Officer (1nos.) @ Rs. 45,000/-pm	5.40
2	Hiring of Programme Officer (1no.) @Rs. 35,000/- pm	4.20
3	Overhead Charges for management of the Scheme	18.40
	<b>Total</b>	<b>28.00</b>


**Roles and Responsibilities of the Project Secretariat:-**

- Manage disbursement of funds to the 4454 applications, maintenance of accounts for disbursed amount, financial check and balances, monitor progress of the proposals.
- Telephone/ courier/photocopy etc. (Communication with PIs, photocopies of UC/SE formats, large number of mailers etc).
- Cost towards travel of the NERBPMC/BCIL team for organizing workshops.
- Courier of Foldscopes to the applicants.
- Customs clearance of the Foldscope consignment.
- Assist DBT in organising workshops



  
**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

  
 मानव संसाधन विकास मंत्रालय  
 (Ministry of Human Resource  
 Development)  
 भारत सरकार  
 Govt. of India

  
 विश्वविद्यालय अनुदान आयोग  
 मध्य क्षेत्रीय कार्यालय  
 तवा कॉम्प्लेक्स (बिट्टन मार्केट)  
 ई-5, अरेरा कालोनी  
 भोपाल - 462016 (म.प्र.)

F.No.: MS-44/202008/XII/15-16/CRO/Gen / 5018

Date: 30 MAR 2017

Code :-202008

To  
 The Principal,  
 Govt. V.Y.P.T. P.G. College,  
 Durg (C.G.)- 491001

Subject: Geology

Sub.: Financial Assistance for undertaking Minor Research Project by **Dr. Prashant Kumar Shrivastava, Asstt. Prof., Govt. V.Y.P.T. P.G. College, Durg (C.G.)** in "Impact of land use land cover change on surface and ground water regime of durg district, Chhattisgarh"

Sir,  
 The Commission on the recommendations of the Selection Committee has approved the research project entitled in "Impact of land use land cover change on surface and ground water regime of durg district, Chhattisgarh" of Project of by **Dr. Prashant Kumar Shrivastava, Asstt. Prof., Govt. V.Y.P.T. P.G. College, Durg (C.G.)** in and has agreed to provide a grant of **Rs.370000/-**.

Particular	Allocation	Grant being released
<b>NON RECURRING</b>		
1. Books & Journals	Rs. 45000.00	Rs. 45000.00
2. Equipments	Rs. 0.00	Rs. 0.00
<b>RECURRING</b>		
3. Travels, Field work	Rs. 100000.00	Rs. 50000.00
4. Contingency	Rs. 150000.00	Rs. 75000.00
5. Chemical & Glassware	Rs. 35000.00	Rs. 17500.00
6. Special Needs	Rs. 40000.00	Rs. 20000.00
<b>TOTAL</b>	<b>Rs. 370000.00</b>	<b>Rs. 207500.00</b>

I am directed to convey the sanction of the Commission for Payment of **Rs. 207500/-** as first installment to The Principal, **Govt. V.Y.P.T. P.G. College, Durg (C.G.)** 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 is permissible in any circumstances.**
3. On receipt of this letter the Principal Investigator must submit the Acceptance Certificate 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 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.

P.T.O



7. All assets generated out of the fund for the project including equipment, books and journals will be property of the host institution on completion of the project. However, in case of transfer of the project, as part of it) generated out of the funds of concerned project, may be transferred to the concerned Institution 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 disbursed to and credited to the Principal of the College through Electronic mode as per the following details:
  - a. Details (Name & Address) of Account Holder:
  - b. Account No.: 10046864066
  - c. Type of Account:
  - d. Name & Address of Bank branch: SBI Malviya Nagar, Durg, C.G.
  - e. MICR Code:
  - f. IFSC Code:
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. College/P.I. may include the details of accrued interest in the U.C./Statement of expenditure, So that the same may be adjusted in the subsequent installment as per the approved allocation.
15. The expenditure has noted at the BCR No. \_\_\_\_\_.
16. Rest of the conditions of the project stand as per the X 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.
18. This issues with the approval of the Chairman, UGC, New Delhi.
19. The refund of unspent grants in aid an/or interest, if any, be credited in following UGC's account only through-mode PFMS (RTGS/NEFT) under intimation to this office.

Name of the Bank: Canara Bank, Arera Colony, Branch, Bhopal

A/c No: 1471101007602

Type of A/c: \_\_\_\_\_

IFSC Code: CNRB0001471

MICR Code: \_\_\_\_\_

Holder of Account: University Grants Commission, Central Regional Office, Bhopal.

Yours faithfully,

(Dr. G.S. Chauhan)  
Deputy Secretary

Copy forward for information and necessary action to :

1. Accounts Officer  
UGC, CRO, Bhopal (M.P.)
2. Principal Accountant General Audit (A & E)  
Chhattisgarh, Zero Point, Baloda Bazar Road,  
P.O. Mandhar, Raipur (C.G.) - 493111
3. The Commissioner / Deputy Secretary,  
Dept. of Higher Education,  
Govt. of C.G., Raipur (C.G.) - 492010
- ✓ 4. Dr. Prashant Kumar Shrivastava, Asstt. Prof.,  
Govt. V.Y.P.T. P.G. College, Durg (C.G.) -491001

(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.

**GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG, 491001 (C.G.)**

(Former Name – Govt. Arts & Science College, Durg)

Phone-0788-2211688, Fax- 0788-2212030

NAAC Accredited Grade 'A'; CPE Phase - III (UGC, N. Delhi); Centre of Excellence in Science

Website – [www.govtsciencecollegedurg.co.in](http://www.govtsciencecollegedurg.co.in) Email – [pprincipi2010@gmail.com](mailto:pprincipi2010@gmail.com)

**NOTIFICATION**

**ORDER OF MERIT**

**FOR**

**EVALUATION OF RESEARCH PROPOSAL**

**UNDER**

**RESEARCH PROMOTION PROGRAMME OF THE COLLEGE**

- First date of Notification inviting proposal - 31.10.2019
- Scheduled Date of Presentation - 23.03.2020, but  
Shifted on - 19.09.2020 due to COVID-19.
- Mode of Presentation - PPT based On-line System  
& Evaluation

**ORDER OF MERIT**

**(A) MINOR RESEARCH PROJECT**


S. No.	Name of Applicant	Department	Rank
1.	Dr. S.D. Deshmukh	Geology	First
2.	Dr. Jyoti Dharkar	History	Second
3.	Somali Gupta	English	Third
4.	Dr. Rekha Gupta	Microbiology	Fourth
5.	Dr. Anil Pandey	History	<del>Sixth</del> Fifth
6.	Dr. Alka Mishra	Zoology	<del>Seventh</del> Sixth.

**(B) MAJOR RESEARCH PROJECT**

S. No.	Name of Applicant	Department	Rank
1.	Dr. Anil Kumar	Biotechnology	First
2.	Dr. Abhishek Mishra	Physics	Second

The above notification is for general circulation and for further processing.

February, 15, 2021.

  
Principal  
Dr. R.N. Singh



**GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG, 491001 (C.G.)**

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No. 8.14/2)

Durg, Date- 19.03.2021

**SECTION LETTER OF RESEARCH PROJECT**

Project No. - MN/RP/01/GEO, Durg, Date- 19.03.2021.

The Minor Research Project submitted by **Dr. S.D. Deshmukh** entitled “Development of Educational Software for Identification of Rocks in Thin Section” has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject Geology. The allocation of the project is as below mentioned-

Investigators	Components	Allocation	Remark
1. Dr. S.D. Deshmukh (Principal Investigator)	1) Chemicals/ Glassware's	Nil	
	2) Hiring Services	15000=00	
2. Dr. Vikas Swarnakar (Co-investigator)	3) Contingency	10000=00	
	4) Travel	10000=00	
	5) Miscellaneous Expenditure	15000=00	
	<b>Total</b>	<b>50000=00</b> <b>(Fifty Thousands Only)</b>	

- 1) The tenure of the above Minor Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
- 3) Any unlawful expenditure will be recovered from salary of the employee.
- 4) Any alteration in grants component shall not be admissible without prior approval from Research council of the college.
- 5) Any intellectual property generated by the grants will be property of the college as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.



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No...821/21

Durg, Date- 19.03.2021

### **SANCTION LETTER OF RESEARCH PROJECT**

Project No. - **MJ/RP/01/BIT, Durg, Date- 19.03.2021.**

The Major Research Proposal submitted by **Dr. Anil Kumar** entitled **“Assessment of Renal dysfunction among population of Supebeda of Chhattisgarh, India”** has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject Biotechnology. The allocation of the project is as below mentioned-

<b>Investigators</b>	<b>Components</b>	<b>Allocation</b>	<b>Remark</b>
1. Dr. Anil Kumar (Principal Investigator)	1) Chemicals/ Glassware's	3,70,000=00	Present allocation is Rs 2,00,000=00 only. Rest amount will be reimbursed as per decision of Research Council held on 19.03.2021.
	2) Hiring Services	70000=00	
	3) Contingency	10000=00	
	4) Travel	50000=00	
	5) Miscellaneous Expenditure	Nil	
	<b>Total</b>	<b>5,00,000=00</b> <b>(Five lakh only)</b>	

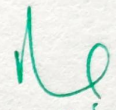
- 1) The tenure of the above Major Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
- 3) Any unlawful expenditure will be recovered from salary of the employee.
- 4) Any alteration in grants component shall not be admissible without prior approval from Research council of the college.

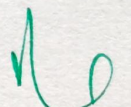


- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
- 8) Any kind of dispute will be resolved by Research council subject to final acceptance of Principal, beyond this all subjects will be matter of rule of law of Indian Constitution.

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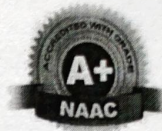
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No.. 821/21

Durg, Date- 19.03.2021

## **SANCTION LETTER OF RESEARCH PROJECT**

Project No. - **MJ/RP/02/PHY, Durg, Date- 19.03.2021.**

The Major Research Proposal submitted by **Dr. Abhishek Kumar Misra** entitled “**Quantum Dots Dispersed Liquid Crystal**” has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject Physics. The allocation of the project is as below mentioned-

<b>Investigators</b>	<b>Components</b>	<b>Allocation</b>	<b>Remark</b>
1. Dr. Abhishek Kumar Misra (Principal Investigator)	1) Chemicals/ Glassware's	1,50,000=00	Present allocation is Rs 2,00,000=00 only. Rest amount will be reimbursed as per decision of Research Council held on 19.03.2021.
	2) Hiring Services	20000=00	
	3) Contingency	300000=00	
	4) Travel	30000=00	
	5) Miscellaneous Expenditure	Nil	
	<b>Total</b>	<b>5,00,000=00</b> <b>(Five lakh only)</b>	

- 1) The tenure of the above Major Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
- 3) Any unlawful expenditure will be recovered from salary of the employee.
- 4) Any alteration in grants component shall not be admissible without prior approval from Research council of the college.



- 5) Any intellectual property generated by the grants will be property of the college as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.
- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
- 8) Any kind of dispute will be resolved by Research council subject to final acceptance of Principal, beyond this all subjects will be matter of rule of law of Indian Constitution.

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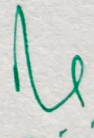
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- [2] Account section of the college
- [3] IQAC of the college



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No...815/21

Durg, Date- 19.03.2021

**SANCTION LETTER OF RESEARCH PROJECT**

Project No. - MN/RP/02/ENG, Durg, Date- 19.03.2021.

The Minor Research Proposal submitted by **Dr. Somali Gupta** entitled “**Learner Beliefs in Learning English as a Second Language (ESL)- A Socio-cultural Approach to Comparison of Learner Beliefs in India and Serbia**” has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject English. The allocation of the project is as below mentioned-

Investigators	Components	Allocation	Remark
1. Dr. Somali Gupta (Principal Investigator)	1) Chemicals/ Glassware's	Nil	
	2) Hiring Services	10000=00	
2. Dr. Nadezda Stozkovich (University of Nis, Serbia)	3) Contingency	25000=00	
	4) Travel	Nil	
(Co-investigator)	5) Miscellaneous Expenditure	15000=00	
	<b>Total</b>	<b>50000=00</b> <b>(Fifty Thousands Only)</b>	


- 1) The tenure of the above Minor Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
- 3) Any unlawful expenditure will be recovered from salary of the employee.
- 4) Any alteration in grants component shall not be admissible without prior approval from Research council of the college.

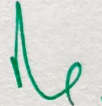


- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
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No...814/21

Durg, Date- 19.03.2021

**SANCTION LETTER OF RESEARCH PROJECT**

Project No. - **MN/RP/01/GEO, Durg, Date- 19.03.2021.**

The Minor Research Project submitted by **Dr. S.D. Deshmukh** entitled **“Development of Educational Software for Identification of Rocks in Thin Section”** has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject Geology. The allocation of the project is as below mentioned-

<b>Investigators</b>	<b>Components</b>	<b>Allocation</b>	<b>Remark</b>
1. Dr. S.D. Deshmukh (Principal Investigator)	1) Chemicals/ Glassware's	Nil	
	2) Hiring Services	15000=00	
2. Dr. Vikas Swarnakar (Co-investigator)	3) Contingency	10000=00	
	4) Travel	10000=00	
	5) Miscellaneous Expenditure	15000=00	
	<b>Total</b>	<b>50000=00</b> <b>(Fifty Thousands Only)</b>	

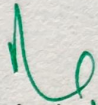
- 1) The tenure of the above Minor Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
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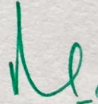


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No. 816/21

Durg, Date- 19.03.2021

**SANCTION LETTER OF RESEARCH PROJECT**

Project No. - MN/RP/03/HIS, Durg, Date- 19.03.2021.

The Minor Research Proposal submitted by **Dr. Jyoti Dhankar** entitled “छत्तीसगढ़ में ग्रामीण पर्यटन की सम्भावनाये एक शोधपुरक अध्यन” has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject History. The allocation of the project is as below mentioned-

Investigators	Components	Allocation	Remark
1. Dr. Jyoti Dhankar (Principal Investigator)	1) Chemicals/ Glassware's	Nil	
	2) Hiring Services	Nil	
	3) Contingency	20000=00	
	4) Travel	20000=00	
	5) Miscellaneous Expenditure	10000=00	
	<b>Total</b>	<b>50000=00</b> <b>(Fifty Thousands Only)</b>	

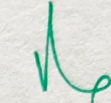
- 1) The tenure of the above Minor Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
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- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
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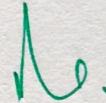
- [1] Research council
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No. 817/21

Durg, Date- 19.03.2021

### **SANCTION LETTER OF RESEARCH PROJECT**

Project No. - MN/RP/04/HIS, Durg, Date- 19.03.2021.

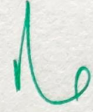
The Minor Research Proposal submitted by **Dr. Anil Kumar Pandey** entitled **“Impact of Modernization of Megalithic Culture of Dantewada District of Chhattisgarh”** has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in the subject History. The allocation of the project is as below mentioned-

Investigators	Components	Allocation	Remark
1. Dr. Anil Kumar Pandey (Principal Investigator)	1) Chemicals/ Glassware's	Nil	
	2) Hiring Services	Nil	
	3) Contingency	10000=00	
	4) Travel	10000=00	
	5) Miscellaneous Expenditure	30000=00	
	<b>Total</b>	<b>50000=00</b> <b>(Fifty Thousands Only)</b>	

- 1) The tenure of the above Minor Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
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- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
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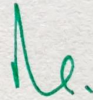


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No. 818/21

Durg, Date- 19.03.2021

### **SANCTION LETTER OF RESEARCH PROJECT**

Project No. - **MN/RP/05/ZOO, Durg, Date- 19.03.2021.**

The Minor Research Proposal submitted by **Dr. Alka Mishra** entitled “**Toxicological Evaluation of Bhilai Steel Plant on Aquatic Ecosystem**” has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in the subject Zoology. The allocation of the project is as below mentioned-

<b>Investigators</b>	<b>Components</b>	<b>Allocation</b>	<b>Remark</b>
1. Dr. Alka Mishra (Principal Investigator)	1) Chemicals/ Glassware's	30000=00	
	2) Hiring Services	Nil	
	3) Contingency	10000=00	
	4) Travel	5000=00	
	5) Miscellaneous Expenditure	5000=00	
	<b>Total</b>	<b>50000=00</b> <b>(Fifty Thousands Only)</b>	


- 1) The tenure of the above Minor Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
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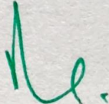


- 5) Any intellectual property generated by the grants will be property of the college as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.
- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
- 8) Any kind of dispute will be resolved by Research council subject to final acceptance of Principal, beyond this all subjects will be matter of rule of law of Indian Constitution.

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No...819/21

Durg, Date- 19.03.2021

**SANCTION LETTER OF RESEARCH PROJECT**

Project No. - **MN/RP/06/MIC, Durg, Date- 19.03.2021.**

The Minor Research Proposal submitted by **Mrs. Rekha Gupta** entitled **“Isolation, Identification and screening of thermophilic fungal species for alkaline protease production”** has been evaluated and accepted by the committee and so the proposal is being sectioned for investigation in subject Microbiology. The allocation of the project is as below mentioned-

Investigators	Components	Allocation	Remark
1. Mrs. Rekha Gupta (Principal Investigator)	1) Chemicals/ Glassware's	20000=00	
	2) Hiring Services	5000=00	
	3) Contingency	10000=00	
	4) Travel	5000=00	
	5) Miscellaneous Expenditure	10000=00	
	<b>Total</b>	<b>50000=00</b> <b>(Fifty Thousands Only)</b>	

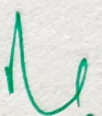
- 1) The tenure of the above Minor Research Project will be 2 years (till 31<sup>st</sup> March 2023).
- 2) The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh, and submission of audited report of all justified lawful expenditure to college office will be responsibility of Principal Investigator.
- 3) Any unlawful expenditure will be recovered from salary of the employee.
- 4) Any alteration in grants component shall not be admissible without prior approval from Research council of the college.
- 5) Any intellectual property generated by the grants will be property of the college as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.

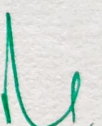


- 6) Publication of minimum one Research Paper in UGC Care list journal will be binding on Principal Investigator.
- 7) Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
- 8) Any kind of dispute will be resolved by Research council subject to final acceptance of Principal, beyond this all subjects will be matter of rule of law of Indian Constitution.

Copy to-

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- [3] IQAC of the college

  
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Govt.V.Y.T.P.G.Autq.College,  
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No. 2458/21

Durg, Date: 06/12/2021

## SANCTION LETTER OF RESEARCH PROJECT

**Project No. – MN/RP/07/PHY, Date – 06/12/2021**

The minor Research Project Submitted by **Dr. Siteshwari Chandrakar**, entitled – **“Synthesis and characterization of Borate based ( $\text{YBa}_3\text{B}_9\text{O}_{18}$ ,  $\text{EuBaB}_9\text{O}_{18}$ ) rare earth ( $\text{Eu}^{3+}$ ,  $\text{Na}^{3+}$ ) and  $\text{Mn}^{4+}$  doped phosphorus for display and bio-imaging devices application”** has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Physics.

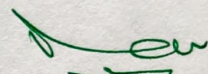
The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
1.	<b>Dr. Siteshwari Chandrakar</b>	Chemical, Glassware's	25,000=00	
		Hiring Service	07,500=00	
		Travel	05,000=00	
		Miscellaneous	12,500=00	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the college office will be responsibility of Principal Investigator.
3. Any unlawful expenditure will be recovered from salary of the employee.
4. Any alteration in grants component shall not be admissible without prior approval from Research Council of the college.




5. Any Intellectual Property generated by the grants will be property of the College as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.
6. Publication of minimum one Research Paper in UGC Care list journal will be binding for Principal Investigator.
7. Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
8. Any kind of dispute will be resolved by research council subject to final acceptance of Principal; beyond this all subjects will be matter of rule of law of Indian Constitution.



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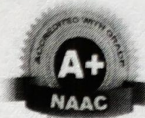
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No. 2458/21

Durg, Date: 06/12/2021

**SANCTION LETTER OF RESEARCH PROJECT****Project No. – MN/RP/08/ZOO, Date – 06/12/2021**

The minor Research Project Submitted by **Dr. Sanju Sinha**, entitled – “**Limnological study of Talpuri Pond, Bhilai**” has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Zoology.


The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
2.	<b>Dr. Sanju Sinha</b>	Chemical, Glassware's	45,000=00	
		Hiring Service	Nil	
		Contingency	Nil	
		Travel	Nil	
		Miscellaneous	5,000=00	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
3. Any unlawful expenditure will be recovered from salary of the employee.
4. Any alteration in grants component shall not be admissible without prior approval from Research Council of the College.
5. Any Intellectual Property generated by the grants will be property of the College as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.



6. Publication of minimum one Research Paper in UGC Care list journal will be binding for Principal Investigator.
7. Mid-term evaluation of the project will be organized by the Research council and if progress will not be found satisfactory then project may be cancelled at any time.
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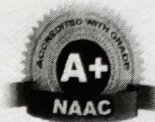
**GOVT. V.Y.T. PG. AUTONOMOUS COLLEGE, DURG, 491001 (C.G.)**

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**Website – [www.govtsciencecollegedurg.co.in](http://www.govtsciencecollegedurg.co.in), Email – [pprinci2010@gmail.com](mailto:pprinci2010@gmail.com)**



No. 2458/21

Durg, Date: 06/12/2021

## **SANCTION LETTER OF RESEARCH PROJECT**

**Project No. – MN/RP/09/ZOO, Date – 06/12/2021**

The minor Research Project Submitted by **Mrs. Mausami Dey**, entitled – “**Genetic Analysis of Oxidative Stress Resistant Carps (Labio and Catla) of Chhattisgarh, India**” has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Zoology.


The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
3.	Mrs. Mausami Dey	Chemical, Glassware's	45,000=00	
		Hiring Service	Nil	
		Contingency	4,000=00	
		Travel	Nil	
		Miscellaneous	1,000=00	
			<b>50,000=00</b> <b>Fifty Thousand</b> <b>Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
3. Any unlawful expenditure will be recovered from salary of the employee.
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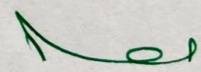
5. Any Intellectual Property generated by the grants will be property of the College as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.
6. Publication of minimum one Research Paper in UGC Care list journal will be binding for Principal Investigator.
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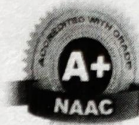
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No. **2458/21**

Durg, Date: 06/12/2021

**SANCTION LETTER OF RESEARCH PROJECT****Project No. – MN/RP/10/BIT, Date – 06/12/2021**

The minor Research Project Submitted by **Dr. Shweta Pandey & Dr. Nikhil Mishra**, entitled – **“Quantitative Analysis and Genome Expression of Redox Combating Genes for Local Leafy Vegetables of Chhattisgarh, India”** has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Biotechnology.


The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
4.	<b>Dr. Shweta Pandey &amp; Dr. Nikhil Mishra</b>	Chemical, Glassware's	40,000=00	
		Hiring Service	Nil	
		Contingency	5,000=00	
		Travel	Nil	
		Miscellaneous	5,000=00	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
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5. Any Intellectual Property generated by the grants will be property of the College as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.
6. Publication of minimum one Research Paper in UGC Care list journal will be binding for Principal Investigator.
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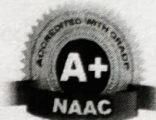
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No. 2458/21

Durg, Date: 06/12/2021

## SANCTION LETTER OF RESEARCH PROJECT

Project No. – MN/RP/11/BOT, Date – 06/12/2021

The minor Research Project Submitted by **Dr. Satish Kumar Sen**, entitled – **“Phytochemical Evaluation of Dioecious Characters of *Tinospora cardifolia* (Miers) components”** has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Botany.


The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
5.	<b>Dr. Satish Kumar Sen</b>	Chemical,	25,000=00	
		Glassware's		
		Hiring Service	5,000=00	
		Contingency	10,000=00	
		Travel	5,000=00	
		Miscellaneous	5,000=00	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
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5. Any Intellectual Property generated by the grants will be property of the College as per Intellectual Property Rights and it should be properly mentioned or displayed wherever required.
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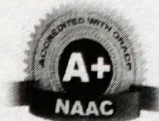
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No. **2458/21**

Durg, Date: 06/12/2021

**SANCTION LETTER OF RESEARCH PROJECT****Project No. – MN/RP/12/BOT, Date – 06/12/2021**

The minor Research Project Submitted by **Dr. Shriram Kunjam**, entitled – **“Evaluation of in silico anti arthritic potential of medicinal plant *Croton roxburghii* Balak (Euphorbiaceae)”** has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in subject Botany.


The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
6.	<b>Dr. Shriram Kunjam</b>	Chemical, Glassware's	20,000=00	
		Hiring Service	20,000=00	
		Contingency	10,000=00	
		Travel	Nil	
		Miscellaneous	Nil	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
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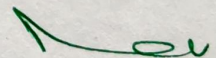
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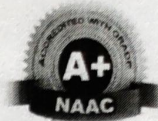
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No. 2458/21

Durg, Date: 06/12/2021

## SANCTION LETTER OF RESEARCH PROJECT

**Project No. – MN/RP/13/CHE, Date – 06/12/2021**

The minor Research Project Submitted by **Dr. Ajay Kumar Pillai**, entitled – **“Determination and Removal of Organic Pollutants in Pond Water in Durg”** has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Chemistry.

The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
7.	<b>Dr. Ajay Kumar Pillai</b>	Chemical, Glassware's	40,000=00	
		Hiring Service	Nil	
		Contingency	10,000=00	
		Travel	Nil	
		Miscellaneous	Nil	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
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No. 2458/2

2458/01

Durg, Date: 06/12/2021

## SANCTION LETTER OF RESEARCH PROJECT

**Project No. – MN/RP/14/ECO, Date – 06/12/2021**

The minor Research Project Submitted by **Dr. Anshumala Chandangar**, entitled –  
“A study of the impact of Covid-19 on Socio Economic Conditions of Street Venders with special reference to Durg and Raipur cities of Chhattisgarh” has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Economics.


The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
8.	Dr. Anshumala Chandangar	Chemical, Glassware's	Nil	
		Hiring Service	15,000=00	
		Contingency	15,000=00	
		Travel	10,000=00	
		Miscellaneous	10,000=00	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
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No. 2458/21

Durg, Date: 06/12/2021

## SANCTION LETTER OF RESEARCH PROJECT

Project No. – MN/RP/15/POL, Date – 06/12/2021

The minor Research Project Submitted by **Dr. Shakeel Hussain**, entitled – **“Gandhian Gram Swaraj Substantive Democracy and Political Economy: A structural, functional and Gender analysis of Godhan Nyaya and Swaraj Yojana in Durg District”** has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Physics.

The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
9.	<b>Dr. Shakeel Hussain</b>	Chemical, Glassware's	Nil	
		Hiring Service	5,000=00	
		Contingency	5,000=00	
		Travel	40,000=00	
		Miscellaneous	Nil	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
2. The Principal Investigator will be responsible for lawful expenditure as per finance rule of Government of Chhattisgarh and submission of audited report of all justified lawful expenditure to the College Office will be responsibility of Principal Investigator.
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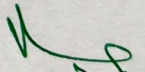
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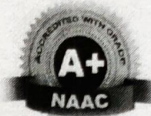
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No. 2458/21

Durg, Date: 06/12/2021

## SANCTION LETTER OF RESEARCH PROJECT

**Project No. – MN/RP/16/SOC, Date – 06/12/2021**

The minor Research Project Submitted by **Dr. Ashwani Mahajan**, entitled – “मुस्लिम महिलाओ में तीन तलाक के प्रति सामाजिक दृष्टिकोण” has been evaluated and accepted by the committee and so the proposal is being sanctioned for investigation in the subject Sociology.

The allocation of the project is as below mentioned –

S. No.	Investigators	Components	Allocation	Remark
10.	<b>Dr. Ashwani Mahajan</b>	Chemical, Glassware's	Nil	
		Hiring Service	22,000=00	
		Contingency	8,000=00	
		Travel	10,000=00	
		Miscellaneous	10,000=00	
			<b>50,000=00</b> <b>Fifty Thousand Only</b>	

1. The tenure of above Minor Research Project will be 2 Years (till 5 Dec. 2023).
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