

Interest to be  
referred to Bhawana

DST/WOS-B/IN-10/2021-Bhawana (G)  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology  
(KIRAN Division)

Technology Bhavan,  
New Delhi-110016  
Dated: 14/07/2021

**ORDER**

Sub-Financial assistance for the project titled "Optimisation of the antimaterial potential of novel synthetic piperidine tethered Triazine-Tetraoxane Hybrids molecules against plasmodium" under the guidance of Dr. Bhawana Sharma Chemical Biology Research Laboratory, Department of Chemistry University of Delhi, New Delhi-110007.

Sanction of the President is hereby accorded to the approval of the above mentioned project at a total cost of Rs.30,66,200/- (Rupees Thirty Lac Sixty Six Thousand Two Hundred Only) for a duration of three years. The detailed breakup of the grant for General & Capital Components are given below:-

General Components-Rs.30,66,200/-  
Capital Assests- Rs. NIL  
Total- Rs. 30,66,200/-

S. No.	Proposed Budget Head	1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	Total
<b>Non-Recurring (Capital Assets)</b>					
I.	Equipment	Nil/-	-	-	Nil/-
A	TOTAL	Nil/-	-	-	Nil/-
<b>Recurring (General)</b>					
<b>Recurring-I (Manpower)</b>					
	Fellowship for P.hd. @ Rs.55,000/PM +HRA 24%for 36 months	8,18,400/-	8,18,400/-	8,18,400/-	24,55,200/-
<b>Recurring-II (Consumables &amp; Travel)</b>					
	-Consumables:Rs.3,50,000/- Stationery items, computer accessories etc.  -Travel: Rs.60,000/- (Capping for 3 years)	1,70,000/-	1,20,000/-	1,20,000/-	4,10,000/-
<b>Recurring-III(Contingency)</b>					
	Miscellaneous Expenses	25,000/-	25,000/-	25,000/-	75,000/-
<b>Recurring-IV(Overhead Charges)</b>					
	Overhead Charges (10% as per DST norms)	44,000/-	41,000/-	41,000/-	1,26,000/-
B	Total	10,57,400/-	10,04,400/-	10,04,400/-	30,66,200/-
<b>Grand Total (A+B)</b>		<b>10,57,400/-</b>	<b>10,04,400/-</b>	<b>10,04,400/-</b>	<b>30,66,200/-</b>

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P. Kumar  
14/07/2021

2. The sanction of the President is also accorded to the release of Rs. 10,57,400/- (Rupees Ten Lac Fifty Seven Thousand Four Hundred Only) to the Registrar, Chemical Biology Research Laboratory, Department of chemistry University of Delhi, New Delhi-110007 being the first installment of grant for implementation of the above mentioned project.

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 installment 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 grant-in-aid being released is subject to the condition that

(a) a transparent procurement procedure through GEM in line with the Provision 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 grants under the project shall be considered only on receipt of the said documents.

7. "The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing account. For Grants released during F.Y. 2019-20 and onwards, all interests and other earnings against released Grant shall be remitted to Consolidated Fund of India (through Non-Tax Receipt Portal (NTRP),

i.e. [www.bharatkosh.gov.in](http://www.bharatkosh.gov.in)), 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."

"(Name of the Institution) agrees to make reservations for Scheduled Castes and Scheduled Tribes or OBC in the posts or services under its control on the lines indicated by the Government of India". (ii) While sanctioning Grants-in-aid to Institutions or Organizations referred to in (a) above, the Grant sanctioning authority should keep in view the progress made by such Institutions or Organization in employing Scheduled Castes and Scheduled Tribes or OBC candidates in their services and also as per the GFR 2017 Rule 230(17)."

8. As per Rule 149 of GFR, 2017, the Goods (Consumables/equipment) available in GeM portal are to be procured mandatorily online through GeM only.

9. "GI is advised to start using EAT module and next release will be made only after mapping and following EAT modules by the grantee institution."

Ramesh Kumar  
14/07/2021

10. (a). DST reserves sole rights on the assets 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). DST reserves rights to close the project activity any time based on the review of progress of the project.

(c). A prior intimation to DST by grantee is must before leaving the country for attending conference/availing any short term fellowship abroad during the project tenure.

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 acknowledgment 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 condition of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.

14. Timeline to achieve the objectives is given as under:

Sr. No.	Objectives	Timeline
1	To evaluate the <i>in vitro</i> antimalarial activity of hybrids from the pool of existing synthetic compounds against Chloroquine sensitive and resistant <i>Plasmodium falciparum</i> strains. (Synthesis and characterization of different hybrid molecules are synthesised/under progress in the mentor laboratory).	0-6 Months
2	<ul style="list-style-type: none"> <li><i>n vitro</i> antiplasmodial activity of hybrids against Artemisinin sensitive and resistant strains of <i>Plasmodium falciparum</i>.</li> <li>Cytotoxicity evaluation of hybrid molecules using MTT assay.</li> </ul>	7-12 months
3	<ul style="list-style-type: none"> <li>Stage specific inhibition assay and Ring stage survival assay of selective compounds.</li> <li>Assessment of intracellular ROS generation within parasitized erythrocytes in the presence of lead hybrid derivatives.</li> </ul>	13-21 months
4	<ul style="list-style-type: none"> <li><i>In-vivo</i> antiplasmodium activity of most potent compounds from <i>in vitro</i> screening in <i>P. berghei</i> mouse model.</li> <li>Assessment of toxicity, hepatic and renal function test against the mouse model.</li> </ul>	22-30 months
5	<ul style="list-style-type: none"> <li>Molecular docking studies of hybrid selective compounds.</li> <li>To do Structure-Activity Relationship (SAR) activity of lead hybrid molecules.</li> </ul>	31-36 months

The subsequent releases will be made on the basis of "Target Vs Achievements".

R. Kumar  
14/07/2021

The expenditure involved is debitable to Demand No.88, Department of Science & Technology for the year 2021-22:

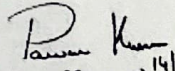
3425	Other Scientific Research (Major Head)
60	Others (Sub-Major Head)
60.200	Assistance to other Scientific Bodies (Minor Head)
68	Science and Technology Institutional and Human Capacity Building (Sub Head)
01	Disha Programme for Women in Science
68.01.31	Grants-in-aid General for the year 2021-22 (Voted) (Previous: Disha Programme for Women in Science 3425.60.200.55.01.31)

16. The amount of Rs. 10,57,400/- ( Rupees Ten Lac Fifty Seven Thousand Four Hundred Only) will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to the Registrar, Chemical Biology Research Laboratory, Department of chemistry University of Delhi, New Delhi-110007. The bank details for electronic transfer of funds through RTGS are given below:-

Institution Account Name	The Registrar, University of Delhi Minor Project Young Scientist
Saving Bank Account Number	10851298593
Name of Bank	State Bank of India
Branch Name	Utility Centre, Delhi University
RTGS/IFSC Code	SBIN0001067
MICR Code	110002030

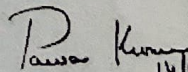
17. As per Rule 234 of GFR 2017, this sanction has been entered at S. No. 199 in the register of grants maintained in the Division for the scheme (KIRAN – WOSB).

18. This issues with the concurrence of IFD Vide their Concurrence Dy. No. C/1085/IFD 2021-22  
Dated: 14/07/2021.

  
(Pawan Kumar) 14/07/2021  
Scientist-'C'  
011-26590290

To  
The Pay and Accounts Officer,  
Department of Science & Technology,  
New Delhi.  
Copy for information and necessary action to:-

1. Cash Section (3 copies) for making the payment to the grantee.
2. Account Section.
3. Director of Audit, (Scientific Deptt), AGCR Building, New Delhi – 110 002.
4. Sanction Folder
5. Head (KIRAN)
6. Dr. Bhawana Sharma, Chemical Biology Research Laboratory, Department of chemistry University of Delhi, New Delhi-110007.
7. Dr. S.K. Awasthi (Mentor), Chemical Biology Research Laboratory, Department of chemistry University of Delhi, New Delhi-110007
8. The Registrar, University of Delhi, New Delhi-110007.

  
(Pawan Kumar) 14/07/21  
Scientist-'C'  
011-26590290