

No. BT/INF/22/SP43075/2021
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 19/08/2021

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled: "**To establish facility for micro-architectural and histo-morphometric assessment of bone in osteoporosis and metabolic bone disease(MBD)**" for a period of 5 Year 0 Month at a total cost of Rs. **78414429** (Rupees Seven Crores Eighty Four Lakhs Fourteen Thousand Four Hundred and Twenty Nine Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "To establish facility for micro-architectural and histomorphometric assessment of bone in osteoporosis and metabolic bone disease(MBD)"

2.2 Details of the Investigators:

Prof. Sushil Kumar Gupta

PROFESSOR, Endocrinology

Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh, 226014

CO-PI:

Prof. Niraj Kumari

Professor, Pathology & Lab Medicine

Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh, 226014

Dr. Swasti Tiwari

Professor & Head, Division of Molecular Medicine & Biotechnology

Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh, 226014

Dr. Raghvendra L

Assistant Professor, Department of Pathology

Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh, 226014

2.3 Objectives:

1. To assess the micro-architecture of peripheral skeleton by High Resolution peripheral Quantitative Computerized Tomography (HRpQCT) and trabecular bone score in post menopausal women with and without fragility fracture
2. To assess the dynamic bone histo-morphometry in postmenopausal women with and without fragility fracture
3. To assess the changes on HRpQCT of peripheral skeleton on treatment and to correlate it with changes in bone mineral density as measured by Dual energy X-ray Absorptiometry (DXA).

2.4 Time Schedule:

The duration of the project is 5 Year 0 Month from the date of this sanction order.

2.5 Project Cost:

The total cost of the project is Rs. **78414429/-** (Rupees Seven Crores Eighty Four Lakhs Fourteen Thousand Four Hundred and Twenty Nine Only) as per details given below.

Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

Dr. GARIMA GUPTA
Fellow, Deptt. of Biotechnology
Ministry of Science & Tech.
Govt. of India, N. Delhi

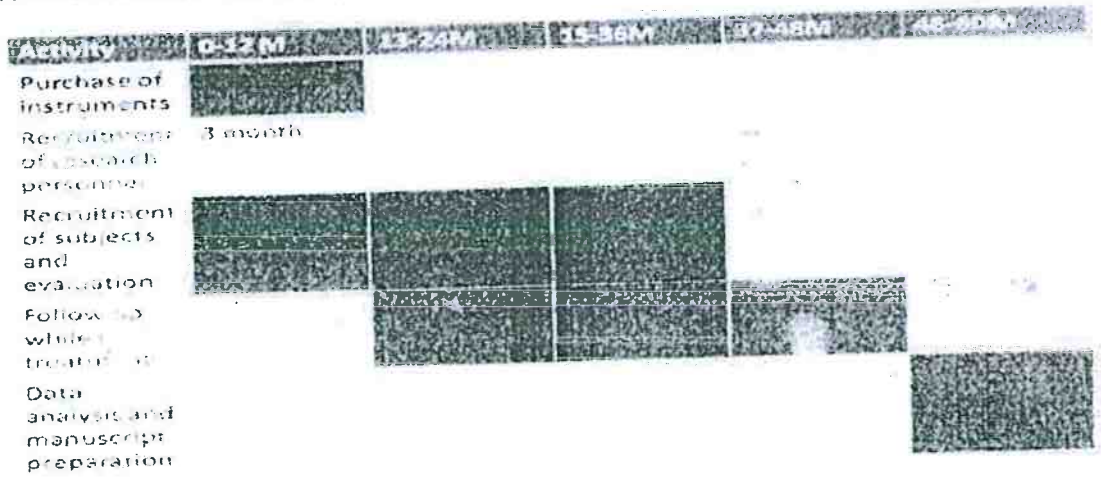
2. It is obligatory to assess/observe the biosafety compliance for rDNA activities to be performed by institutions and investigators for the proposals submitted to DBT for financial support as per the notification vide no. BT/BS/17/459/2011-PID dated 26th September 2012.
3. As per the Ministry of Finance 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.e.f. 01.04.2015 to each beneficiary.
4. No Utilization Certificate is pending with the implementing Institute. All the Utilization Certificates due for rendition have been received and accepted by the head of Division/Competent Authority.
5. As per Rule (233) of GFR2017, (ownership in physical and intellectual assets created through funds shall vest in the sponsor).
6. The institute should utilize this Non-Recurring amount within a period of 18 months.
7. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten Percent per annum thereon shall be recovered
8. The ownership of physical and intellectual assets created or acquired out of these funds shall rest with the DBT.
9. Continuation of the project beyond 30.9.2021 will be subject to the appraisal and approval of the relevant scheme for the continuation beyond 30.9.2021.
10. After completion of the project period, the retention of equipment(s) purchased out of the project grant by the private agencies /NGOs is not allowed as per the prevailing Govt. of India instructions. Hence, the Pvt. Institutes/ NGOs involved in the instant project shall abide by the instructions issued/ to be issued by the Department in this regard from time to time.
11. The quarterly deliverables of the project are annexed at **Annexure A** for proper monitoring of progress of the project as per the said deliverables. PI should follow this for successful implementation of project and bringing it to a logical conclusion.
12. International travel of non-officials/private persons in project using govt. grant, if any, shall be regulated as per item No.18 of the DoE OM No.4(4)/E.Coord/2015 dated 5.01.2016 or subsequent instructions/ clarifications issued from time to time in the matter.
- 4.1 The other terms and conditions governing this sanction are attached at Annexure- III.
- 4.2A 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 between the grantee institutions and DBT. In case of NGO's and Private Institution's, execution of MOA is mandatory before first release. A format of the MoA is enclosed in Annexure-IV
- 4.3 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 Utilisation Certificate and Statement of Expenditure. The interest earned should be remitted to the Consolidated fund of India through Bharat Kosh portal(www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.
- 5.No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
- 6.The Director, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, Uttar Pradesh 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.

Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

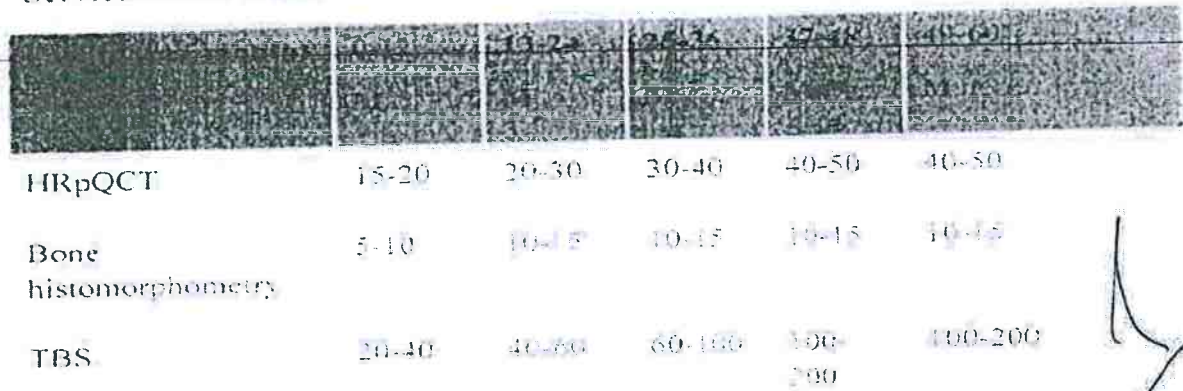
Garima Gupta
Dr. GARIMA GUPTA
Scientist 'F'
Biotechnology

- To assess the changes in BMD of peripheral skeleton on treatment and to correlate it with changes in bone mineral density as measured by DXA

Infrastructure and study deliverables



Services deliverables



Varun Bajpai
Lt Col Varun Bajpai VSM
 Executive Registrar
 SGPGIMS, Lucknow

Garima Gupta
डॉ. गरिमा गुप्ता / Dr. GARIMA GUPTA
 वैज्ञानिक / Scientist 'F'
 भौतिकी विभाग / Dept. of Biophysics
 अखिल भारतीय आयुर्विज्ञान संस्थान / All India Institute of Medical Sciences
 नई दिल्ली / New Delhi

(4) (2) (67)

No. BT/PR38372/GET/119/329/2020
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 06.01.2022

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "Harnessing genome sequencing and engineering (CRISPR/Cas9) technologies for identification of shared genetic and molecular etiology in pediatric and adult cardiomyopathies." for a period of 3 Year 0 Month at a total cost of Rs. 8660988 (Rupees Eighty Six Lakhs Sixty Thousand Nine Hundred and Eighty Eight Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : **Harnessing genome sequencing and engineering (CRISPR/Cas9) technologies for identification of shared genetic and molecular etiology in pediatric and adult cardiomyopathies.**

2.2 Details of the Investigators: **Dr. Anshika Srivastava**, Assistant Professor, Dept. of Medical Genetics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Haibat Mau Mawaiya, Lucknow- 226014

Details of CO-PIs:

Prof. Naveen Garg, Professor, Dept. of Cardiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Haibat Mau Mawaiya, Lucknow- 226014

Dr. Kausik Mandal, Additional Professor, Dept. of Medical Genetics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Haibat Mau Mawaiya, Lucknow- 226014

2.3 Objectives:

1. Determine the pathogenic mechanism of chromatin modifier ASXL3 induced pediatric cardiomyopathy.
2. Determine the pathogenic mechanism of MYBPC3 induced adult onset cardiomyopathy.
3. Contrast signaling mechanisms of hypertrophy in hESC-CM models with sarcomere gene mutations vs mutation in the chromatin modifier ASXL3.
4. Develop a cohort of PHCM and adult-onset cardiomyopathies for expanding diseases mutation spectrum and validating the upstream and/or regulators identified through RNA and ATAC sequencing in objective 3.

2.4 Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

2.5 Objective wise Activities & Timelines:

Activities Number	Activities	Start month	End month	Deliverables
1	Objective 1: Determine the pathogenic mechanism of chromatin modifier ASXL3 induced pediatric cardiomyopathy hESCs ASXL3-mutation models and successful cardiac directed differentiation:	1	7	Creation of ASXL3 patient specific mutations in hPSCs
2	Immunohistochemistry (IHC)	7	12	Characterize the cardiac hypertrophy phenotypes by using cardiogenesis specific antibody through immunohistochemistry

Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

Dr. Anshika Srivastava
Assistant Professor
Dept. of Medical Genetics
Sanjay Gandhi Postgraduate
Institute of Medical Sciences,
Raebareli

(Signature)

(66)

3	RNA seq analysis and qRT validation	6	16	Identification of ASXL3 regulated differentially expressed genes and pathways through RNA sequencing followed by validation of identified genes through qRT-PCR
4	ATAC-seq and ATAC qPCR	8	20	Identification of ASXL3 regulated open chromatin regions and transcriptional factors binding regions using ATAC seq followed by validation of region specific genes ATAC qPCR
5	Objective 2: Determine the pathogenic mechanism of MYBPC3 induced pediatric cardiomyopathy: hESCs MYBPC-mutation models:		6	Creation of MYBPC3 patient specific mutations in hPSCs
6	Immunohistochemistry (IHC):	7	18	Characterize the cardiac hypertrophy phenotypes by using cardiogenesis specific antibody through immunohistochemistry
7	RNA-seq analysis and qRT validation	8	24	Identification of MYBPC3 regulated differentially expressed genes and pathways through RNA sequencing followed by validation of identified genes through qRT-PCR
8	ATAC-seq and ATAC qPCR	8	24	Identification of MYBPC3 regulated open chromatin regions and transcriptional factors binding regions using ATAC seq followed by validation of region specific genes ATAC qPCR
9	Objective 3: Contrast signaling mechanisms of hypertrophy in hESC-CM models with sarcomere gene mutations vs mutation in the chromatin modifier ASXL3.	24	36	
10	Objective 4: Develop a cohort of PHCM2 and adult-onset cardiomyopathies for expanding diseases mutation spectrum and validating the upstream and/or regulators identified through RNA and ATAC sequencing in objective 3.		36	

2.6 Project Cost:

The total cost of the project is Rs. 8660988/- (Rupees Eighty Six Lakhs Sixty Thousand Nine Hundred and Eighty Eight Only) as per details given below:

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	600000.00			600000.00
Manpower	486996.00	486996.00	486996.00	1460988.00
Overhead	100000.00	100000.00	100000.00	300000.00
Travel	50000.00	50000.00	50000.00	150000.00
Consumables	2000000.00	2000000.00	2000000.00	6000000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Total (Rs.)	3286996.00	2686996.00	2686996.00	8660988.00

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Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

Equipment

The details of the equipment sanctioned for the implementation of the project at Annexure-I

2.8 Manpower:

The details of the manpower sanctioned for the implementation of the project at Annexure-II

Head of Account:

The Non-Recurring expenditure involved is debitable to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

The Recurring expenditure involved is debitable to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.31	Grants -in-Aid General

4. Terms & Conditions:

- 1.1.A. The approval of the project is subject to condition that further release will be made only after appraisal and approval of the DBT umbrella scheme on 'Biotechnology Research & Development' by the Ministry of Finance for continuation during 15th Finance Commission.
- B. In case the whole or a part of the amount of the Grants-in-Aid is being refunded, an interest rate of ten percent thereon shall be recovered.
- C. The Expenditure is to be made as per the EAT module of the Government of India.
- D. Any further grant release in the project would also be subject to Utilization Certificate updates in PFMS.
- E. Quarterly deliverables in the project, in quantifiable terms have to be provided for each quarter of the project, based on which, inter-alia, monitoring/review of the project will be done and proposal for release of subsequent installment will be considered.
- 1.2.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 between the grantee institutions and DBT. In case of NGO's and Private Institution's, execution of MOA is mandatory before first release. A format of the MoA is enclosed in Annexure-IV
- 1.3 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 Utilisation Certificate and Statement of Expenditure. The interest earned should be remitted to the Consolidated fund of India through Bharat Kosh portal(www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.
5. No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.
5. The Director, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, Lucknow, Uttar Pradesh 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.


Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

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of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-2018 dated 30 Jan 2019. However, there is no compulsion on PIs to select candidates for JRF in their projects from Category-II of DBT-BET.

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 Organizations is called upon to do so.


9. If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with by the Project Investigator, the details of such obligations can be accessed at www.nbaindia.org

10(I) "The PIs/Implementing Agencies shall strictly adhere to the Govt instructions issued vide OM No.F.4.1.2021-PPD dated 30.6.2021 in the matter of issue of Global tender Enquiry with special reference to instructions contained under para 4 of the said OM for procurement of equipments, spares and consumables for research purposes and shall not issue Global Tenders Enquiries before seeking the approval of the competent authority".

(II) "After incurring the expenditure on import of such items and at the time of submission of UCs to the department next year, the PIs will also furnish the copy of the approval sought from the competent authority for issue of the GTE for such items of import. The release of next installment of grant will be subject to the fulfillment of the above condition."

11. This issues, under the power delegated to this Department and with the concurrence of IFD vide their SAN No102/IFD/SAN/2242/2021-22 dated 06.01.2022.


12. This sanction order has been noted at serial no. 30 in the Register of Grants.


(Dr. Sanjay Kalia)
Scientist 'E'

To,
The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110 005.

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Director, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Haibat Mau Mawaiya, Lucknow- 226014
- 3 Dr. Anshika Srivastava, Assistant Professor, Dept. of Medical Genetics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Haibat Mau Mawaiya, Lucknow- 226014
- 4 Dr. Kausik Mandal, Additional Professor, Medical Genetics, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Haibat Mau Mawaiya, Lucknow- 226014
- 5 Prof. Naveen Garg, Professor, Cardiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli Road, Haibat Mau Mawaiya, Lucknow- 226014
- 6 Cash Section, DBT (2 copies).
- 7 Sanction Folder.
- 8 File Copy.



(Dr. Sanjay Kalia)
Scientist 'E'


Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

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Annexure -I
Details of the Equipment sanctioned for the implementation of the project entitled "Harnessing genome sequencing and engineering (CRISPR/Cas9) technologies for identification of shared genetic and molecular etiology in pediatric and adult cardiomyopathies.":

Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow			
SNo.	Name of Equipment	No.	Cost(Rs.)
1.	4 degree Refrigerator	1	100000.00
2.	Ultra-deep freezer (-80)	1	500000.00
Total			600000.00


(Dr. Sanjay Kalia)
Scientist 'E'



Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

FILE NO. CRG/2021/006013

SCIENCE & ENGINEERING RESEARCH BOARD(SERB)

(A statutory body of the Department of Science & Technology, Government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 22 March, 2022

ORDER

Subject: Financial Sanction of the research project titled **Role of Emerging SARS-CoV-2 variants in reshaping of serological responses of COVID-19 recovered patients and in vaccinated individuals: Study in North Indian Population under the guidance of Dr. SANTOSH KUMAR VERMA, Molecular Medicine and Biotechnology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli road lucknow india, Lucknow, Uttar pradesh-226014 and by Prof. Debi P Sarkar, Professor, Biochemistry, University Of Delhi and by Dr. Rahul Katharia, Associate Professor, Transfusion Medicine, Sanjay Gandhi Postgraduate Institute Of Medical Sciences and by Dr. Prabhaker Mishra, Associate Professor, Biostatistics And Health Informatics, Sanjay Gandhi Postgraduate Institute Of Medical Sciences and by Prof. Anupam Verma, Professor, Transfusion Medicine, Sanjay Gandhi Postgraduate Institute Of Medical Sciences and by Dr. Swasti Tiwari, Professor And Head, Molecular Medicine And Biotechnology, Sanjay Gandhi Postgraduate Institute Of Medical Sciences - Release of 1st grant.**

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 6681312/- (Rs. Sixty Six Lakh Eighty One Thousand Three Hundred and Twelve Only) with break-up of Rs. 1000000/- under Capital (Non-recurring) head and Rs. 5681312/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 6681312/- has been approved are given below:

The following budget may be considered for Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Raebareli Road Lucknow India

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> -20 deepfreezer -> Orbital shaker -> Protein blotting assembly -> Protein electrophoresis unit with power pack	1000000
A'	Total (Non-Recurring)	1000000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	1753920 3300000 20000
2	Recurring - IV : (Overhead Charges)	507392
B'	Total (Recurring)	5681312
C	Total cost of the project (A' + B')	6681312

2. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

3. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

4. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

5. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reapportioned.

6. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

7. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

8. The institute will furnish to the SERB, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

9. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

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The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any beyond the duration of the project

11. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

12. The project File no. CRG/2021/006013 should be mentioned in all communications arising from the above project. The organization/institute/university should ensure that the technical support/financial assistance provided to them by SERB should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

13. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by SERB.


14. Sanction order for release of funds under a) Non-recurring and b) Recurring will be issued separately depending on the availability of funds. The project become operational from the day the first release of grant received by the implementing Institute.


(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in


To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to :-

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>Dr. SANTOSH KUMAR VERMA Molecular Medicine and Biotechnology Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli road lucknow India, Lucknow, Uttar Pradesh-226014 Email: verma2santosh@gmail.com Mobile: 916394134072</p> <p>Prof. Debi P Sarkar Biochemistry University Of Delhi</p> <p>Dr. Rahul Katharia Transfusion Medicine Sanjay Gandhi Postgraduate Institute Of Medical Sciences</p> <p>Dr. Prabhaker Mishra Biostatistics And Health Informatics Sanjay Gandhi Postgraduate Institute Of Medical Sciences</p> <p>Prof. Anupam Verma Transfusion Medicine Sanjay Gandhi Postgraduate Institute Of Medical Sciences</p> <p>Dr. Swasti Tiwari Molecular Medicine And Biotechnology Sanjay Gandhi Postgraduate Institute Of Medical Sciences (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>DIRECTOR, Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Raebareli Road Lucknow India</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>


(Dr. Thangaradjou T)
Scientist F
msls@serb.gov.in


Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow


29/08/22

BT/PR42952/MED/97/569/2021

No. BT/PR42952/MED/97/569/2021
E-Office No. RAD-21/56/2021-MED-DBT (Computer No. 15167)
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 09.03.2022

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled "**Determination and establishment of key molecular therapeutic approach for remodelling of pericardial heart valve of Tetralogy of Fallot**" for a period of 3 Year 0 Month at a total cost of Rs. 6650240/- (Rupees Sixty Six Lakhs Fifty Thousand Two Hundred and Forty Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : Determination and establishment of key molecular therapeutic approach for remodelling of pericardial heart valve of Tetralogy of Fallot

2.2 Details of the Investigators:

Dr. Alok Kumar

Ra. Lingaswami re-entry fellow and Associate Professor
Molecular Medicine and Biotechnology
Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Lucknow, Uttar Pradesh-226014

Dr. Shantanu Pande

Professor
Cardiovascular and Thoracic Surgery
Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Lucknow, Uttar Pradesh-226014

CO-PI:

Prof. Surendra Kumar Agarwal

Professor
Department of CVTS,
Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Lucknow, Uttar Pradesh-226014

Prof. Vikas Agarwal

Professor
Department of Clinical Immunology & Rheumatology
Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Lucknow, Uttar Pradesh-226014

2.3 Objectives:

1. To determine that host immune responses involve in distortion of native pulmonary valve of Tetralogy of Fallot's Patients.
To determine that treatment of phosphodiesterase 5 inhibitor and 5-hydroxytryptamine receptor 2B inhibitor helps in maintaining the morphology of the pulmonary valve keeping it free of retraction and distortion

2. Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

Lt Col Varun Bajpai VSM

Executive Registrar
SGPGIMS, Lucknow

Dr. Alok Kumar Page No. [1 / 8]
Prof. 5501

2.5 Project Cost:

The total cost of the project is Rs. **6650240/-** (Rupees Sixty Six Lakhs Fifty Thousand Two Hundred and Forty Only) as per details given below:

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	1900000.00	0.0	0.0	1900000.00
Manpower	431520.00	431520.00	487200.00	1350240.00
Consumables	1000000.00	500000.00	1000000.00	2500000.00
Contingency	50000.00	50000.00	50000.00	150000.00
Overhead	50000.00	50000.00	50000.00	150000.00
Travel	30000.00	30000.00	40000.00	100000.00
Outsourcing	0.0	500000.00	0.0	500000.00
Total (Rs.)	3461520.00	1561520.00	1627200.00	6650240.00

2.6 Equipment

The details of the equipment sanctioned for the implementation of the project at Annexure-I

2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at Annexure-II

2.8 Quarterly Milestones and Deliverables:

The details of the Quarterly Milestones and Deliverables sanctioned for the implementation of the project at Annexure-III

3. Head of Account:

The Non-Recurring expenditure involved is debit to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets

The Recurring expenditure involved is debit to:

Demand No. 89	Department of Biotechnology
3425	Other Scientific Research 2021-2022
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 to Research and Development
3425.60.200.29.17.31	Grants -in-Aid General

4. Terms & Conditions:

- In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten percent thereon shall be recovered.
- Grantee Institution is a public funded organization.
- The equipment sanctioned under the project should be purchased within 18 months from the date of the release of the grant.
- The expenditure to be made as per the EAT module of the Government of India.

Terms and conditions governing this sanction are attached at **Annexure- III**.

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 release/Installment will be made only after signing of MoA between the grantee institutions. In case of NGO's and Private Institution's, execution of MOA is mandatory before first installment. A format of the MoA is enclosed in **Annexure-IV**.

The Grantee Institution/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 Utilisation Certificate and Statement of Expenditure. The interest earned should be remitted to the Consolidated fund of India through the Bharat Kosh portal (www.bharatkosh.gov.in) as per GFR-2017-230(8) after finalization of the account for a given Financial Year.

No International Travel will be undertaken from the sanctioned project grant unless specified otherwise.

6. The Director, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, Uttar Pradesh 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.

7. PIs of DBT sponsored projects can consider appointment of JRF from Category-II merit list of DBT-BET exam so that candidates can be paid fellowships at par with NET/GATE/BET qualified candidates as per DST OM No. A.SR/S9/Z-08/2018 dated 30 Jan 2019. However, there is no compulsion on PI's to select candidates for JRF in their projects from Category-II of DBT-BET.

8. As per Rule 236 (1) of G.O. 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 Organizations is called upon to do so.

9. If the Research Project involves biological resources, the obligations under the Biological Diversity Act 2002 as applicable shall be complied with by the Project Investigator, the details of such obligations can be accessed at www.nbaiindia.org

10 (I) "The PIs/Implementing Agencies shall strictly adhere to the GoI instructions issued vide OM No.F.4.1.2021-PPD dated 30.6.2021 in the matter of issue of Global tender Enquiry with special reference to instructions contained under para 4 of the said OM for procurement of equipments, spares and consumables for research purposes and shall not issue Global Tenders Enquiries before seeking the approval of the competent authority".

(II) "After incurring the expenditure on import of such items and at the time of submission of UCs to the department next year, the PIs will also furnish the copy of the approval sought from the competent authority for issue of the GTE for such items of import. The release of next installment of grant will be subject to the fulfillment of the above condition."

11. This issues under the powers delegated to this Department as per IFD order No. G-17012/1/2020-IFD-DBT dated 15.02.2022 and with the concurrence of IFD. This has been noted in IFD at SAN No. 102/IFD/SAN/3085/2021-2022 dated 08.03.2022.

12. This sanction order has been noted at serial no. 93 in the Register of Grants.

(Dr. Neha Bansal)
Scientist 'C'

डॉ. नेहा बंसल / Dr. NEHA BANSAL

वैज्ञानिक सी / Scientist 'C'

जीनोमिक्स विभाग / Department of Biotechnology

विज्ञान और प्रौद्योगिकी विभाग

Department of Science & Technology

Page No. [3 / 8]

11/03/22

11/03/22



Dr. Anil Kumar
Executive Registrar
SGPGIMS, Lucknow

Dr. Anil Kumar
Associate Professor
Department of Molecular
Biotechnology
Lucknow

To,
The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110 003.

Copy to:

- 1 The Principal Director of Audit (Scientific Departments), DACR Building, New Delhi- 110 002.
- 2 The Director, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow - 226014, Uttar Pradesh
- 3 Dr. Alok Kumar, Ramalingaswami re-entry fellow and Associate Professor, Molecular Medicine and Biotechnology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow - 226014, Uttar Pradesh
- 4 Dr. Shantanu Pande, Professor, Cardiovascular and Thoracic Surgery, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow - 226014, Uttar Pradesh
- 5 Prof. Surendra Kumar Agarwal, Professor, Department of CVTS, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow - 226014, Uttar Pradesh
- 6 Prof. Vikas Agarwal, Professor, Department of Clinical Immunology & Rheumatology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow - 226014, Uttar Pradesh
- 7 Cash Section, DBT (2 copies).
- 8 Sanction Folder.
- 9 File Copy.

(Dr. Neha Bansal)

Scientist 'C'
डॉ. नेहा बंसल / Dr. Neha Bansal
वैज्ञानिक 'सी' / Scientist 'C'
जीनोमिक्स विभाग / Department of Biotechnology
विज्ञान और प्रौद्योगिकी मंत्रालय
Ministry of Science & Technology
भारत सरकार / Govt. of India
एन.ओ. कॉम्प्लेक्स, लोधी रोड, नई दिल्ली-110003
G.O. Complex, Lodhi Road, New Delhi-110003



10

3

FILE NO. CRG/2021/007530
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
 (A statutory body of the Department of Science & Technology, Government of India)

Science and Engineering Research Board
 3rd & 4th Floor, Block II
 Technology Bhavan, New Mehrauli Road
 New Delhi - 110016

Dated: 18 February, 2022

ORDER

Subject Financial Sanction of the research project titled "Elucidating the Molecular Mechanism of Histone Demethylase KDM5A Mediated Leukemogenesis" under the guidance of Dr. Chandra Prakash Chaturvedi, Stem Cell Research Center, Dept of Hematology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli road lucknow india, Lucknow, Uttar pradesh-226014 and by Dr. Kulwant Singh, Assistant Professor, Stem Cell Research Center Department Of Hematology, Sanjay Gandhi Postgraduate Institute Of Medical Sciences - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 5625560/- (Rs. Fifty Six Lakh Twenty Five Thousand Five Hundred and Sixty Only) with break-up of Rs. 0/- under Capital (Non-recurring) head and Rs. 5625560/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 5625560/- has been approved are given below:

The following budget may be considered for Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Raebareli Road Lucknow India

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment	0
A'	Total (Non-Recurring)	0
B	Recurring Items	
1	Recurring - I : (Manpower)	1294560
	Recurring - II : (Consumables, Travel, Contingencies)	3800000
	Recurring - III : Scientific Social Responsibility	20000
2	Recurring - IV : (Overhead Charges)	511000
B'	Total (Recurring)	5625560
C	Total cost of the project (A' + B')	5625560

2. Sanction of the SERB is also accorded to the payment of Rs. 1888520/- (Rupees Eighteen Lakh Eighty Eight Thousand Five Hundred and Twenty only) under 'Grants-in-aid General' to Director, Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Raebareli Road Lucknow India being the first installment of the grant for the year 2021-2022 for implementation of the said research project.

3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER) This release is being made under Core Research Grant. (Biomedical and Health Sciences)

4. The Sanction has been issued to Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Raebareli Road Lucknow India with the approval of the competent authority under delegated powers on 17 February, 2022 and vide Diary No. SERB/F/8818/2021-2022 dated 17 February, 2022

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in)

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 50000/- each should be spent for travel and contingency.

[Signature]
 Mr. Col. Varun Bajpai VSM
 Executive Registrar
 SGPGIMS, Lucknow

et sanctioned under Scientific Social Responsibility (SSR) is meant only for activites enlisted under SSR and under no circumstances it can be reappropriated.

as per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

The release amount of Rs. 1888520/- (Rupees Eighteen Lakh Eighty Eight Thousand Five Hundred and Twenty only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SGPGIMS
Account Name	DIRECTOR RESEARCH SCHEME ACCOUNT A/C
Account Number	10095237491
Bank Name & Branch	STATE BANK OF INDIA STATE BANK OF INDIA, SGPGIMS, RAE BARELI ROAD, LUCKNOW
IFSC/RTGS Code	SBIN0007789
Email id of A/C Holder	sgpgimsresearchcell@gmail.com
Email id of PI	chaturvedicp75@rediffmail.com

The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. CF 2021/007530 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.


15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

16. As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/ acknowledged in their releases as well as in bold letters in the opening paragraphs of their Annual Report.

19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board.


 (Dr. Balachandrar Venkatesan)
 Scientist F
 venkatbala@serb.gov.in

To,
 Under Secretary
 SERB, New Delhi
 Copy forwarded for information and necessary action to :-

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi
3.	File Copy

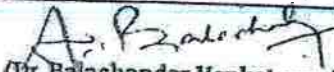

 Lt Col Varun Bajpai VSM
 Executive Registrar
 SGPGIMS, Lucknow

Dr. Chandra Prakash Chaturvedi
Stem Cell Research Center, Dept of Hematology
Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareli road lucknow india,
Lucknow, Uttar pradesh-226014
Email: chaturvedicp75@rediffmail.com
Mobile: 917376694622

Dr. Kulwant Singh
Stem Cell Research Center Department Of Hematology
Sanjay Gandhi Postgraduate Institute Of Medical Sciences
(Start date of the project may be intimated by name to the undersigned. For guidance, terms &
Conditions etc. Please visit www.serb.gov.in.)

5
Director,
Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Raebareli Road Lucknow India

(Receipt of Grant may be intimated by name to the undersigned)


(Dr. Balachandar Venkatesan)
Scientist F
venkatbala@serb.gov.in



Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

REVISED PROVISIONAL GRANT PAYMENT PROFILE

NO COST EXTENSION

Type of Grant: INTERMEDIATE

Applicant's Name: Dr. Chandra Chaturvedi

Host Institute Name: SGPIMS, UP

IA Reference No.: IA/16/1/502374

Grant Award Amt. ₹ 3,60,55,580

Host Institute Ref. No: SGPIMS, LUCKNOW

Award Letter Date: 14-03-2017

Grant Start Date: 01-04-2017

Grant End Date: 31-03-2022

Equipment Cost (E) ₹7,00,000

Net. Sal. Amt. Provided: Apr - Mar

Bank A/C Details: SB/SBL0095237491

Note: * (P) Fixed Inv. / Major Equip. For Interest TF

FBA Contact Details: Prof. U C Ghoshal - Faculty In-Charge

EMail: smittal@sgpims.com

(21-22)

Particulars	No. of Months					REVISION (R)	RETENTION (R)	Adjustment	NET AWARD
	17	18	19	20	21				
Ring-fenced Funds (R-F)	69,12,000	13,82,400	13,82,400	0	0	0	0	0	27,64,800
Adj. of Unspent/DISALLOWED / Reduction in Top-up	0	0	0	-5,06,880	0	0	0	0	-5,06,880
Net Release of (F) (e)	99,11,000	13,82,400	13,82,400	5,06,880	0	0	0	0	22,57,920
Overruns All. (Work outside Host Inst.) (OA)	14,10,000	0	0	0	0	0	0	0	0
Adj. of Unspent / Reduction in (OA)	0	0	0	0	0	0	0	0	0
Net Release of (OA) (b)	14,10,000	0	0	0	0	0	0	0	0
Net R-F Fund (C) = (a+b)	83,22,000	13,82,400	13,82,400	-5,06,880	0	0	0	0	22,57,920
Adj: Institutional O.H. Cont. @10%	8,32,200	1,38,240	1,38,240	-50,688	0	0	0	0	2,25,792
OH on T Fund (d)	24,45,580	8,65,116	3,95,116	63,857	6,77,463	3,95,116	5,79,723	60,743	30,37,134
Adjustment of Interest Earned on IA Funds	0	0	0	-1,44,855	-1,44,855	-39,096	-55,377	0	5,91,554
Overheads Retained	0	0	0	0	-6,77,463	0	0	0	-7,14,087
Total Institutional O.H. Cont. (d)	32,77,780	10,03,356	2,09,005	1,31,690	6,77,463	3,95,116	5,24,246	7,28,941	24,45,580
Total - Ring-fenced Funds (RF)	1,15,99,780	23,85,756	15,97,405	-6,38,570	-1,52,304	3,62,020	5,24,246	7,38,206	48,06,759
Transferable Funds (TF)	2,44,55,800	86,51,160	39,51,160	39,51,160	39,51,160	39,51,160	39,51,160	0	2,44,55,800
Adj: Other Adjustments +/- (f)	0	0	0	0	0	0	0	0	0
Adj. of Excess/Unspent TF Funds +/- (g)	0	0	0	0	0	0	0	0	0
Net Transferable Funds	2,44,55,800	86,51,160	39,51,160	39,51,160	39,51,160	39,51,160	39,51,160	0	2,44,55,800
Less: Retention Amt. @2% on TF (h)	0	0	0	0	0	0	0	0	0
Grand Total (GT) ₹	2,44,55,800	86,51,160	39,51,160	39,51,160	39,51,160	39,51,160	39,51,160	0	2,44,55,800
ADD: SUPPLEMENTARY FUNDS:	3,60,55,580	1,10,36,916	55,38,565	0	66,22,336	-43,13,180	63,21,478	-5,77,450	3,51,78,100
TOTAL - SUPPLEMENTARY FUNDS (SI) (i)	7,14,087	1,44,859	1,51,904	33,096	55,477	0	0	0	3,51,78,100
Interest Earned on Grant Received from IA	0	0	0	0	0	0	0	0	0
ADJ: REVISION / PERMANENT REDUCTION - (PRI)	0	0	0	0	0	0	0	0	0
Revision / (PRI) in Fellow Salary (FS)	46,54,080	0	0	0	0	0	0	0	46,54,080
Revision / (PRI) in Overseas Allowance (OA)	14,10,000	0	0	0	0	0	0	0	14,10,000
Revision / (PRI) in Transferable Funds (TF)	59,15,543	0	0	0	0	0	0	0	59,15,543
Institutional O.H. @ 10% on above (FS-OA+TF)	7,28,941	0	0	0	0	0	0	0	7,28,941
TOTAL - REVISION / (PRI) (j)	87,76,464	0	0	0	0	0	0	0	87,76,464
SPENT DETAILS	0	0	0	0	0	0	0	0	0
Fellow Salary (FS)	22,57,920	13,82,400	8,75,520	0	0	0	0	0	22,57,920
Overruns All. (Work outside Host Inst.) (OA)	0	0	0	0	0	0	0	0	0
Transferable Funds (TF)	2,01,12,101	19,53,352	49,02,101	50,32,411	38,76,345	43,41,692	43,41,692	38,54,583	2,39,66,884
Institutional O.H. @ 10% on above (FS-OA+TF)	22,57,002	3,34,375	5,77,787	5,05,241	3,87,635	4,34,169	4,34,169	3,87,635	22,57,002
TOTAL AMOUNT ₹	26,07,023	16,70,127	61,55,408	54,35,652	42,61,980	47,75,861	47,75,861	42,61,980	75,10,991
Unspent Amount (k)	29,03,968	73,60,989	29,03,968	58,06,909	67,35,015	74,96,332	74,96,332	67,35,015	29,03,968
Unspent after Committed Provision ₹ (CP)	0	0	0	0	0	0	0	0	0
UNSPENT / EXCESS SPENT (FS)	5,06,880	5,06,880	5,06,880	5,06,880	5,06,880	5,06,880	5,06,880	5,06,880	5,06,880
UNSPENT / EXCESS SPENT - (OA)	0	0	0	0	0	0	0	0	0
UNSPENT / EXCESS SPENT - (TF)	0	0	0	0	0	0	0	0	0
Cumulative Total Payment	1,10,36,916	1,65,75,081	1,65,75,081	2,11,97,811	2,75,10,991	3,38,32,467	3,38,32,467	3,38,32,467	3,51,78,100
Current Liability (CL) (Unspent Adjusted Payable)	0	0	0	36,43,849	36,43,849	36,43,849	36,43,849	36,43,849	36,43,849
Expansive (GT) (k+CL)	1,10,36,916	1,65,75,081	1,65,75,081	2,48,41,660	3,11,54,840	3,74,76,316	3,74,76,316	3,74,76,316	3,88,22,149
Expansive (GT) (k)	1,10,36,916	1,65,75,081	1,65,75,081	2,11,97,811	2,75,10,991	3,38,32,467	3,38,32,467	3,38,32,467	3,51,78,100
Basic Note:	0	0	0	0	0	0	0	0	0

1. Payment of Yearly Installment will be made subject to submission of (a) Ledger Copy / RBP / I&E / Statement of A/c of Fellow Projects, (b) Latest Pay Slip AND monthly salary statement for the previous year, (c) Valid Ethical Approval / Certificate from Sponsor (If appl.), (d) Signed Grant Spend Report for the previous year, (e) Fellow Research Report, (f) Latest Audited & Unaudited Financial Statements AND Annual Report of the Institution, (g) WOH Visit & Spent letter from external sponsor, (h) Amount Committed information for next FY (If any).

2. UNSPENT TF & OA amounts will be adjusted from 3rd installment, it will be released upon submission of Spend Report and Future requirement.

Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

(11)

FILE NO. SERB/2021/002474
SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(A statutory body of the Department of Science & Technology, Government of India)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated 17 January, 2022

ORDER

Subject Financial Sanction of the research project titled "CMV reactivation in mechanically ventilated patients and its impact on clinical outcome," under the guidance of Dr. Atul Garg, Microbiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly Road Lucknow India, Lucknow, Uttar Pradesh-226014 and by Dr. Ujjala Ghoshal, Professor, Microbiology, Sanjay Gandhi Postgraduate Institute of Medical Sciences and by Dr. MOHAN GURJAR, Additional Professor, Critical Care Medicine, Sanjay Gandhi Postgraduate Institute of Medical Sciences - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 4027600/- (Rs. Forty Lakh Twenty Seven Thousand Six Hundred Only) with break-up of Rs. 0/- under Capital (Non-recurring) head and Rs. 4027600/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 4027600/- has been approved are given below. The following budget may be considered for Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly Road Lucknow India

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment	0
A	Total (Non-Recurring)	0
B	Recurring Items	
1	Recurring - I : (Manpower)	1451500
	Recurring - II : (Consumables, Travel, Contingencies)	2200000
	Recurring - III : Scientific Social Responsibility	0
2	Recurring - IV : (Overhead Charges)	366000
B	Total (Recurring)	4027600
C	Total cost of the project (A + B)	4027600

2. Sanction of the SERB is also accorded to the payment of Rs. 1342500/- (Rupees Thirteen Lakh Forty Two Thousand Five Hundred only) under 'Grants-in-aid General' to Director, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly Road Lucknow India being the first installment of the grant for the year 2021-2022 for implementation of the said research project.

3. The expenditure involved is debit to Fund for Science & Engineering Research (FSER). This release is being made under Core Research Grant (Biomedical and Health Sciences).

4. The Sanction has been issued to Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly Road Lucknow India with the approval of the competent authority under delegated powers on 13 January, 2022 and vide Diary No. SERB/F/7515/2021-2022 dated 17 January, 2022.

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 15 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

Dr. Varun Bajpai
Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

(9)

FILE NO. SERB/2020/001646
SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
 (A statutory body of the Department of Science & Technology, Government of India)

S & EA, Lower Ground Floor
 Vasant Square Mall
 Plot No. A, Community Centre
 Sector - B, Pocket - 6, Vasant Kunj
 New Delhi-110070

Dated: 04-Dec-2020

ORDER

Subject: Financial Sanction of the research project titled "Understanding the molecular basis of MEF2D-rearranged oncogenic fusion proteins in Leukemogenesis" under the guidance of Dr. Kulwant Singh, Stem Cell Research Center, Department of Hematology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly road Lucknow India, Lucknow, Uttar Pradesh-226014 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2847380/- (Rs. Twenty Eight Lakh Forty Seven Thousand Three Hundred and Eighty Only) with break-up of Rs. 100488/- under Capital (Non-recurring) head and Rs. 3745892/- under General (Recurring) head for a duration of 24 months. The items of expenditure for which the total allocation of Rs. 2847380/- has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	100488
1	Equipment -> LCD Digital Rotator -> LED Digital 3D Shaker	100488
A'	Total (Non-Recurring)	100488
B	Recurring Items	863040
1	Recurring - I (Manpower)	1600000
	Recurring - II (Consumables, Travel, Contingency, etc)	25000
	Recurring - III Scientific Social Responsibility	258852
2	Recurring - IV (Overhead Charges)	3745892
B'	Total (Recurring)	2847380
C	Total cost of the project (A + B')	2847380

2. Sanction of the SERB is also accorded to the payment of Rs. 100488/- (Rupees One Lakh Four Hundred and Eighty Eight only) under Grants for creation of capital assets and Rs. 1434512/- (Rupees Fourteen Lakh Thirty Four Thousand Five Hundred and Twelve only) under Grants-in-aid General to Faculty Incharge Research, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly Road Lucknow India being the first installment of the grant for the year 2020-2021 for implementation of the said research project.

3. The expenditure involved is debit to Fund for Science & Engineering Research (FSER). This release is being made under Start-up Research Grant (SC Life Sciences)

4. The Sanction has been issued to Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly Road Lucknow India with the approval of the competent authority under delegated powers on 03 December, 2020 and vide Diary No. SERB/F/5176/2020-2021 dated 03 December, 2020

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head (Recurring-II), it should be ensured that not more than Rs. 1 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

9. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

11. The release amount of Rs. 1635000/- (Rupees Fifteen Lakh Thirty Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below.

PFMS Unique Code	SGPGIMS
Account Name	DIRECTOR,SGPGIMS,RESEARCH A/C
Account Number	10095237491
Bank Name & Branch	STATE BANK OF INDIA STATE BANK OF INDIA,SGPGIMS, RAE-BAREILLY ROAD,LUCKNOW
IFSC/RTGS Code	SBIN007789
Email ID of PI	sr@sgpgi.ac.in
	ksmehrotra@gmail.com

Lt Col Varun Bajpai VSM
 Executive Registrar
 SGPGIMS, Lucknow

Dr. Kulwant Singh
 Assistant Professor
 Stem Cell Research Centre
 Department of Hematology
 Lucknow - 226014

29

... will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid) Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately of each financial year.

... institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards installment of the grant.

... project File no. SRG/2020/001646 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.


... The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet fellowship and salary of supporting staff if any, beyond the duration of the project

... As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

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


19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board.


(Dr. Thangaradjou T)
Scientist E
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to :-

1.	The Principal Director of Audit, A.G.C.R. Building, 11th Floor 1.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Kulwant Singh Stem Cell Research Center Department of Hematology Sanjay Gandhi Postgraduate Institute of Medical Sciences, Raebareilly road lucknow india, Lucknow, Uttar pradesh-226014 Email: ksinghodri@gmail.com Mobile: 917068841402 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in)
5.	Faculty Incharge Research, Sanjay Gandhi Postgraduate Institute Of Medical Sciences, Raebareilly Road Lucknow India (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Thangaradjou T)
Scientist E
msls@serb.gov.in


Dr. Kulwant Singh
Assistant Professor
Stem Cell Research Center



Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

Gmail

Research Cell SGPGIMS <sgpgiresearchcell@gmail.com>

wd: Transfer an Amt. of Rs. 20,57,135/- to Sanjay Gandhi Post Graduate Institute
of Medical Sciences, Lucknow

Prof. Mridula Ghoshal.

29 September 2021 at 12:16

ikhil sharma <info.revenueikhil@gmail.com>
To: sgpgiresearchcell@gmail.com

For Environmental Surveillance Project

Sir,

A sum of Rs. 20,57,135/- is transferred to your Account No. 10095237491 vide RTGS Ch. No. 578725 dt. 31-08-21
and the same is debited in our Account (kindly find our Statement showing the details of Trf.).

Kindly acknowledge the receipt of the same.

Regards,

Admn. Staff

For
Section Officer,
ICMR-NIV, MU

Thanks and Regards,
Dr. Deepa Sharma,
In-Charge Polio and MR Surveillance,
National Institute of Virology, Mumbai Unit
Bareilly, Mumbai

Dr. Nikky Srivastava
Laboratory Supervisor
National Polio & Measles Laboratory
Dept. of Microbiology
SGPGI, Lucknow

Best Regards

Nikhil Kumar Sharma
Mob: +91 9140873369

Amt. trf. to Sanjay Gandhi PGIMS, Lucknow, Rae Bareilly Road, Lucknow.pdf
969K


Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

Mridula Ghoshal - MEF2D - rearranged -



जैव प्रौद्योगिकी उद्योग अनुसंधान सहायता परिषद
(भारत सरकार का उपक्रम)
Biotechnology Industry Research Assistance Council
(A Government of India Enterprise)

Ref. No. BT/NBM0371/NBM/09/20

Dated: 27/12/2021

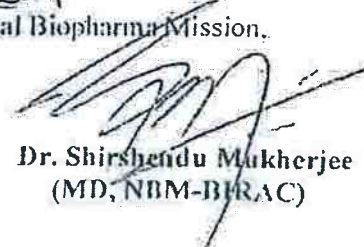
RELEASE ORDER

Subject: Release of first installment for the proposal no. BT/NBM0371/NBM/09/20 entitled "Phase II/III clinical trials of an indigenously – developed hepatitis E vaccine and evaluating its immune correlates" submitted by M/s Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER) Collaboration with Sanjay Gandhi Postgraduate Institute of Medical Science (SGPGI).

1. In continuation of BIRAC's Grant-in-Aid Letter Agreement dated on 12th August 2021 sanction is hereby accorded for the release of Rs. 17.34 Lakhs (Rupees Seventeen Lakhs and Thirty-Four Thousand Only) as Grant-in-Aid, being the first installment for the implementation of the project entitled "Phase II/III clinical trials of an indigenously – developed hepatitis E vaccine and evaluating its immune correlates" with Dr. Amita Aggarwal, as the designated Project Investigator for M/s Sanjay Gandhi Postgraduate Institute of Medical Science (SGPGI).
2. The State Bank of India is being separately authorized / instructed to credit the amount of Rs. 17.34 Lakhs (Rupees Seventeen Lakhs and Thirty-Four Thousand Only) in the bank account M/s Sanjay Gandhi Postgraduate Institute of Medical Science (SGPGI).

Name of the Bank	State bank of India
Branch Address	(07789)- Sanjay Gandhi PGIMS, Lucknow RAE Bareli Road Lucknow, UTTAR PRADESH 226014
Account Number:	10095237491
Account Holder's Name	DIRECTOR SGPGI RESEARCH ACCOUNT
MICR Number (on Cheque)	226002034
NEFT/IFSC Code:	SBIN 07789

3. The other terms and conditions governing this financial release will remain the same as mentioned in the GLA dated 12th August 2021.
4. The expenditure will be debited to BIRAC, Head of Account: G.01.02 for the financial year 2021-2022.
5. This issue with the concurrence of BIRAC Finance Division (BFD) and approval of the Competent Authority vide BFD No. BFD/RO/04.01.00/050/2021-22 Dated 29/12/2021
6. The Release order has been noted at Serial No. 05 in the Grant register of National Biopharma Mission.


Dr. Shirshendu Mukherjee
(MD, NBM-BIRAC)

To,
Dr. Amita Aggarwal,
Professor Department of Immunology, SGPGI
Reabareli Road Lucknow Uttar Pradesh-226014
Email: aa.amita@gmail.com
Mobile: 91-8004904389

Copy to:

1. BIRAC Finance Officer
2. Senior Finance Officer, BIRAC
3. Concerned Project File

प्रथम मंजिल, एमटीएनएल बिल्डिंग, 9, सीजीओ कॉम्प्लेक्स, लोधी रोड, नई दिल्ली-110003, भारत
1st Floor, MTNL Building, 9, CGO Complex, Lodhi Road, New Delhi - 110003, India
Phone: +91-11-24389600 Fax: +91-11-24389611 Website: www.birac.nic.in E-mail: birac.dbt@nic.in

सीआईएन सं./CIN No. : U73100DL2012NPL233152


Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

T-21016/22/2016-TM

भारत सरकार

Government of India

स्वास्थ्य एवं परिवार कल्याण मंत्रालय

Ministry of Health & Family Welfare

ई हेल्थ अनुभाग

(e-Health Division)

Nirman Bhawan, New Delhi-110011.

Dated: 3rd June, 2021.

To

Shri S.K. Mishra,
Nodal Officer, National Resource Centre (NRC)
Prof. & Head, Department of Endocrine Surgery & Incharge,
School of Telemedicine & Biomedical Informatics,
Sanjay Gandhi Postgraduate Institute of Medical Sciences (SGPGIMS),
Raibareli Road, Lucknow-226014

Subject:- Re-validation of Grant-In-Aid (GIA) for the FY 2021-22 to maintain the existing infrastructure and carrying out the existing activities at NRC, SGPGIMS, Lucknow-reg.

Sir,

I am directed to refer to your letter No. PGI/Telemed/NRC/100/2021 dated 29.04.2021 on the above mentioned subject and to convey the approval of the competent authority for revalidation of unspent amount of Rs. 2,65,69,235.68/- (Rupees Two Crore Sixty Five Lakh Sixty Nine Thousand Two Hundred Thirty Five and Sixty Eight paise Only) for utilization in the financial year 2021-22 subject to the condition that the amount may be used for the purpose it has been released. This issues with the approval of IFD vide CD no. 365 dated 31.05.2021 subject to the following:

- i. Any interest accrued on unspent amount may be deposited in the Consolidated Fund of India (CFI).
 - ii. It may be ensured that the compliance of GFR, 2017 provision and whether the specified, quantified and qualitative targets that should have been reached against the amount utilised, were in fact reached, and if not, the reasons therefor. These should contain an output-based performance assessment instead of input-based performance.
2. You are requested to submit Expenditure Statement on Quarterly Basis positively.

Yours faithfully,

(Joginder Pal)

Under Secretary to the Government of India

Tel: 23061213

Copy to:

1. Director, National Resource Centre (NRC), Sanjay Gandhi Post graduate Institute of Medical Sciences (SGPGIMS), Raibareli Road, Lucknow-226014 (U.P)

Handwritten notes:
4153950
12/6/21
12:30 PM
Nodal Officer
Telemedicine

Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

Director



FTI No...

Dated--- 20/10/2024

From

Chief Medical Officer,
Lucknow

To

The Director,
SGPGIMS, Lucknow

Sir/Madam,


The Limit of amount of Rs. 6,08,33,484.00(Rs. Six Crore Eight Lacs Thirty Three Thousands Four Hundred Eighty Four only.) has been updated to your Institute/Unit/Hospital Bank Account No. 40348678358 vide FAMS and PFMS Portal dated 27-10-2021 for the following Program-

1- Hemophilia	5 Crore
2- Thalasemia	1 Crore
3- Speech Therapist Salary 12 months	Rs. 8,33,484.00

Please reconcile this fund with your respective bank account and do the necessary action at your end. Kindly use this fund Froma FAMS and PFMS Portal in propoer Program/FMR as per given guidelines/directions/financial approvals. DAP has been updated on FAMS Portal and also emailed a letter regarding this.

CC to-

- 1-Respected MD, NHM, UP.
- 3-FC, NHM, SPMU, UP.
- 4-GM, RBSK, Lucknow
- 5-DGM, Blood Cell, SPMU, Lko.
- 6-ACMO(RCH), Lko.
- 7-DPM, NHM Lko.


DAPM
जिला स्तरा प्रवन्धक
राष्ट्रीय स्वास्थ्य मिशन
लखनऊ



Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow

13



FTI No...

Dated-- 10/08/2022

From

Chief Medical Officer,
Lucknow

To

- 1- Registrar, XGMU, Lucknow
- 2- Director, RMUMS, Lucknow
- 3- Director, SGPGIMS, Lucknow
- 4- CMS, Rani Laxmi Bai Combined Hospital, Lucknow

Sir/Madam,

The limit of Rs. 4,93,68,800.00 (Rs. Four Crore Ninty Three Lakhs Sixty Eight Thousands Eight Hundred only.) has been updated to your Institute/Unit/Hospital IA Bank Accounts(as per sheet attached) on dated 10.08.2022

Please reconcile this fund with your respective bank account and follow the necessary action at your end. Kindly use this funds using FAMS and PFMS Portal in proper Program/FMR as per given guidelines/directions/financial approvals

CC to-

- 1-Respected MD, NHM, UP.
- 2-FC, NHM, SPMU, UP.
- 3-FO, KGMU, SGPGIMS & RMLIMS, Lko.
- 4-ACMO(RCH), Lko.
- 5-Sr. F & AO, CMO Office Lko
- 6-DPM, NHM, Lucknow

Bin
10/08/2022
मिती देवा प्रदत्तक
उद्देश्य स्वच्छ निवेश

- 1. fo
- 2. 200mm
- 3. HOD Hematology

25/8/22

Director
SGPGIMS, Lko.

Varun Bajpai

Lt Col Varun Bajpai VSM
Executive Registrar
SGPGIMS, Lucknow