

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Criteria 3

Research, Innovations and Extension

Metric 3.1.3	Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years
3.1.3.1	The number of teachers who received national/ international fellowship/financial support by various agencies for advanced studies / research year wise during the last five years

Supporting Documents

1	E-copies of the Award Letters of the Teachers (Year : 2019-20)
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Faculty of Technology & Engineering

FILE NO. TAR/2020/000218
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 24-Dec-2020

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to Mr. Bhargav Bharatbhai Shobhana, Charotar University Of Science & Technology, Changa, Post Changa, Petlad, Anand, Gujarat-388421- under the mentorship of Dr. Vasant Matsagar, at Indian Institute of Technology Delhi IIT Campus, Hauz Khas, New Delhi, Delhi - 110016- Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned grant at a total cost of Rs. 18,30,000/- (Rs. Rupees Eighteen Lakh Thirty Thousand only Only) for a duration of 36 months. The date of start of the project will be 15 December, 2020. The items of expenditure for which the total allocation of Rs. 18,30,000/- has been approved are given below:

The following budget is proposed for
Charotar University Of Science & Technology, Changa, Post Changa, Petlad, Anand, Gujarat-388421 (Parent)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 0 (@0/- per month (consolidated))
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

Indian Institute of Technology Delhi IIT Campus, Hauz Khas, New Delhi, Delhi - 110016
(Host)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 60,000 (on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

2. Sanction of the SERB is also accorded to the payment of Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only) to Charotar University Of Science & Technology, Changa, Post Changa, Petlad, Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) to Indian Institute of Technology Delhi IIT Campus, Hauz Khas, New Delhi, Delhi - 110016 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 Teachers Associateship For Research Excellence (TARE). (Civil & Environmental Engineering)

4. The Sanction has been issued with the approval of the competent authority vide Diary No. SERB/F/6196/2020-2021 dated 24 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. 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.

8. The release amount of Rs. 2,75,000/- (Rupees Two Lakh Seventy 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:

Charotar University of Science & Technology, Changa, Post changa, petlad, Anand, Gujarat-388421 (Parent):

PFMS Unique Code	CHARUSAT
Account Name	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
Account Number	311801010050092
Bank Name & Branch	Union Bank of India NEAR TOWER, CHANGA, TALUKA - PETLAD, DIST. ANAND, GUJARAT, 388421
IFSC/RTGS Code	UBIN0531189
Email address of PI	bhargavshobhana.cv@charusat.ac.in
Email id of A/C Holder	registrar@charusat.ac.in
Email address of concerned officer	ms_tare@serbonline.in

The release amount of Rs. 3,35,000/- (Rupees Three 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:

Indian Institute of Technology Delhi IIT Campus, Hauz Khas, New Delhi, Delhi - 110016 (Host) :

PFMS Unique Code	DLSD00000275
Account Name	IRD ACCOUNT HTD
Account Number	10773572500
Bank Name & Branch	STATE BANK OF INDIA INDIAN INSTITUTE OF TECHNOLOGY, HAUZ KHAS, NEW DELHI - 110016
IFSC/RTGS Code	SBIN001077
Email address of PI	bhargavshobhana.cv@charusat.ac.in
Email id of A/C Holder	orirdac@admin.iitd.ac.in
Email address of concerned officer	ms_tare@serbonline.in

9. Both the institutes will furnish Utilization certificate (UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. 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.


11. The File no. TAR/2020/000218 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

12. As this is the first grant for the fellowship, no previous U/C is required.

13. 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.

14. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

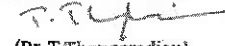
15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. T Thangaradjou)
Scientist E
ms_tare@serbonline.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 I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi
3.	File Copy
4.	(i) Mr. Bhargav Bharatbhai Shobhana M. S. Patel Department of Civil Engineering Charotar University of Science & Technology, Changa, Post changa, petlad, Anand, Gujarat-388421 Email: bhargavshobhana.cv@charusat.ac.in Mobile: 919974249388 (ii) Dr. Vasant Matsagar Indian Institute of Technology Delhi IIT Campus, Hauz Khas, New Delhi, Delhi - 110016 (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.	(i) Registrar, Charotar University Of Science & Technology, Changa, Post Changa, Petlad (ii) DEAN R and D IIT DELHI Indian Institute of Technology Delhi IIT Campus, Hauz Khas, New Delhi, Delhi - 110016 (Receipt of Grant may be intimated by name to the undersigned)


(Dr. T Thangaradjou)
Scientist E
ms_tare@serbonline.in



INDIAN NATIONAL SCIENCE ACADEMY
Bahadur Shah Zafar Marg, New Delhi – 110002

S. P. Mishra
Deputy Executive Director – I (Scientific)

INSA/SP/VSP-49/2020-21/
02 March, 2020

Dr. Prabhin Sukumaran
Chandubhai S Patel Institute of Technology
Charotar University of Science and Technology (CHARUSAT)
Changa, Anand, Gujarat
388421

Sub: INSA Visiting Scientist Programme 2020 for 2020-21

Dear Dr. Sukumaran,

This is with reference to your application for INSA Visiting Scientist Programme 2020 for 2020-21. I am happy to inform you that you have been selected for the award of INSA Visiting Scientist 2020-21 under which you can visit the Institute (as mentioned in your application) for a period of 1 month on following terms and conditions:

1. During the fellowship period you will be paid consolidated amount of Rs. 30,000/- (maximum) per month to cover your expenses related to boarding, lodging, travel etc.
2. Candidate selected as Visiting Fellow must avail this Fellowship on or before 31 January, 2021. No Claim bills for payment will be accepted by the Academy after March 31, 2021.
3. Grant will be made to Parent Institute on completion of the visit upon submission of Claim Bill (in duplicate) duly forwarded by Parent Institute.
4. A short report (2-3 typed pages) should be sent to the Academy immediately after completion of the visit along with a certificate from the Host Institute.

Kindly communicate your acceptance.

With best wishes,

Yours sincerely,

(S P Mishra)

Encl. Claim Bill and UC (available on website also)

Copy to:

1. Registrar, Charotar University of Science and Technology (CHARUSAT), Changa, Anand, Gujarat, 388421

FILE NO. ITS/2019/005643
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(a statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 03-Feb-2020

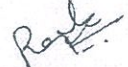
ORDER

Subject: Reimbursement of travel grant to Prof. Keyur Mahant (Young Scientist), Electronics and Communication, Charotar University of Science & Technology, Changa , Post changa, petlad, Anand, Gujarat-388421 for attending "Photonics & Electromagnetics Research Symposium, CHINA (17 December, 2019 to 20 December, 2019)" held in "Xiamen, CHINA".

1. Sanction of the Science & Engineering Research Board (SERB) is here by accorded to the payment of a sum of Rs. 105837/- (Rs. One Lakh Five Thousand Eight Hundred and Thirty Seven Only) for meeting the expenses incurred towards participating in the above International event.
2. Sanction of the grant is subject to the condition as detailed in Terms & Conditions available at website (www.serb.gov.in and www.serbonline.in).
3. The expenditure involved is debitable to "Fund for Science & Engineering Research (FSER)".
4. This grant is being reimbursed under the ITS scheme.
5. The Sanction has been issued to Charotar University Of Science & Technology, Changa, Post Changa, Petlad with the approval of the competent authority under delegated powers on 31 January, 2020 and vide Diary No. SERB/F/9398/2019-2020 dated 31 January, 2020.
6. The release amount of Rs. 105837/- (Rupees One Lakh Five Thousand Eight Hundred and Thirty Seven 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	CHARUSAT
Account Name	Charotar University of Science and Technology
Account Number	311801010050092
Bank Name & Branch	UNION BANK OF INDIA Union Bank Of India, Near Tower, Changa, Taluka- Petlad, Dist. Anand, Gujarat 388421
IFSC/RTGS Code	UBIN0531189
Email id of A/C Holder	registrar@charusat.ac.in
Email id of PI	mahantkeyur@gmail.com


7. It is certified that original boarding passes have been received along with other documents and retained in the Board.
8. In the eventuality of any excess payment arising on account of typographical errors, etc., the excess amount should be refunded immediately to the Science and Engineering Research Board (SERB) by way of an a/c payee cheque in favour of the "Fund for Science & Engineering Research". Non-compliance would lead to the SERB initiating recovery procedures which would also attract applicable penal interest which would be decided by the SERB.
9. In case of any discrepancy you may contact ITS Section at ms.its@serb.gov.in.


(Dr. Rajwant)
Scientist E
ms.its@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.	Prof. Keyur Mahant (Young Scientist) Electronics and Communication Charotar University of Science & Technology, Changa , Post changa, petlad, Anand, Gujarat-388421 Email: mahantkeyur@gmail.com Mobile: 919898636358
5.	Registrar, Charotar University Of Science & Technology, Changa, Post Changa, Petlad


(Dr. Rajwant)
Scientist E
ms.its@serb.gov.in



International Hindu University
5340 North Federal Highway, Suite 204, Lighthouse Point, FL 33064

October 1st, 2019

Dr. Rikikumar Hasmukhbhai Patel
Assistant Professor
Department of Electronics and Communications Engineering
CSPIT, CHARUSAT, Changa, Gujarat, 388421 India

Dear Dr. Rikikumar Patel,

It is our pleasure to inform you that your application for grant conducting research at FAU has been approved. You will be required to work with faculty members at Florida Atlantic University (FAU) as proposed in your grant submission and carry out scholarly work in the area of Electrical and Computer Engineering.

As per your request, you will receive financial support from International Hindu University (IHU) for a period of eleven months starting from Jan 15, 2020. You will receive payment of US \$1500.00 per month for your expenses. Moreover, you will be provided housing by IHU and other assistance as needed during your stay at FAU.

Please contact our administrative assistant Ms. Chahna Taylor at 954.695.9296 (chahna.tailor@gmail.com) if you have any questions. We look forward to assisting and working with you during your stay in South Florida.

Sincerely,

V. Rajkumar

V. Rajkumar
Administrative Director

Faculty of Sciences

① Dr. Abhishek Dadhania

31.3
2019-20

FILE NO. TAR/2019/000096
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

①

Dated: 06-Nov-2019

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to Dr. Abhishek Nathal Dadhania, Charotar University Of Science & Technology, Changa, Post Changa, Petlad, Anand, Gujarat-388421- under the mentorship of Dr. E. Suresh, at Central Salt And Marine Chemicals Research Institute Gijubhai Badheka Marg, Bhavnagar - 364002- Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned grant at a total cost of Rs. 18,30,000/- (Rs. Eighteen Lakh Thirty Thousand Only) for a duration of 36 months.

The date of start of the project will be 24 October, 2019. The items of expenditure for which the total allocation of Rs. 18,30,000/- has been approved are given below:

The following budget is proposed for

Charotar University Of Science & Technology, Changa, Post Changa, Petlad, Anand, Gujarat-388421 (Parent)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 0 (@0/- per month (consolidated))
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

Central Salt And Marine Chemicals Research Institute Gijubhai Badheka Marg, Bhavnagar - 364002 (Host)

Sl No	Budget Head	Amount
1.	Fellowship	Rs. 60,000 (on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

2. Sanction of the SERB is also accorded to the payment of Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only) to Charotar University Of Science & Technology, Changa, Post Changa, Petlad, Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) to Central Salt And Marine Chemicals Research Institute Gijubhai Badheka Marg, Bhavnagar - 364002 being the first installment of the grant for the year 2019-2020 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 Teachers Associateship For Research Excellence (TARE). (Inorganic chemistry)

4. The Sanction has been issued with the approval of the competent authority vide Diary No. SERB/F/6363/2019-2020 dated 06 November, 2019

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. 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.

8. The release amount of Rs. 2,75,000/- (Rupees Two Lakh Seventy 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:

Charotar University of Science & Technology, Changa, Post changa, petlad, Anand, Gujarat-388421 (Parent Institute):

PFMS Unique Code	CHARUSAT
Account Name	CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
Account Number	311801010050092
Bank Name & Branch	Union Bank of India Changa, Near: Tower, Changa-388 421, Taluka-Petlad, Dist.-Anand, Gujarat
IFSC/RTGS Code	UBIN0531189
Email address of PI	abhishekdadhania.bt@charusat.ac.in
Email id of A/C Holder	registrar@charusat.ac.in
Email address of concerned officer	ms_tare@serbonline.in

The release amount of Rs. 3,35,000/- (Rupees Three 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:

Central Salt And Marine Chemicals Research Institute Gijubhai Badheka Marg, Bhavnagar - 364002 (Host Institute):

PFMS Unique Code	DOD9DSCSM
Account Name	Director CSMCRI
Account Number	30267310153
Bank Name & Branch	State Bank of India (SBI) Waghawadi Road, Shubham Shop No G2/3, Plot No. 2569 E1/2, Waghawadi Road, Opp. Gulista Ground, Bhavnagar 364002
IFSC/RTGS Code	SBIN0010263
Email address of PI	abhishekdadhania.bt@charusat.ac.in
Email id of A/C Holder	svaniya@csmcri.res.in
Email address of concerned officer	ms_tare@serbonline.in

9. Both the institutes will furnish Utilization certificate(UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. 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.


11. The File no. TAR/2019/000096 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB

12. As this is the first grant for the fellowship, no previous U/C is required.

13. 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.

14. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

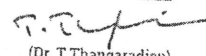
15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


 (Dr. T Thangaradjou)
 Scientist E
 ms_tare@serbonline.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, 11rd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	(i) Dr. Abhishek Nathalal Dadhania Department of Chemical Sciences Charotar University of Science & Technology, Changa, Post changa, petlad, Anand, Gujarat-388421 Email: abhishekdadhania.bt@charusat.ac.in Mobile: 919428622926 (ii) Dr. E. Suresh Central Salt And Marine Chemicals Research Institute Gijubhai Badheka Marg, Bhavnagar - 364002 (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.	(i) Registrar, Charotar University Of Science & Technology, Changa, Post Changa, Petlad (ii) Director Central Salt And Marine Chemicals Research Institute Gijubhai Badheka Marg, Bhavnagar - 364002 (Receipt of Grant may be intimated by name to the undersigned)


 (Dr. T Thangaradjou)
 Scientist E
 ms_tare@serbonline.in

To, Dr. Chirayu Desai (2)
PDOPIAS

3.1.3 (2)
2019-20

F. No. – TE-16015/11/2019-TECH5 NMCG
National Mission for Clean Ganga,
Ministry of Jal Shakti
Department of Water Resources, River Development
& Ganga Rejuvenation

First Floor,
Major Dhayan Chand National Stadium,
India Gate, New Delhi-110001
Date: 6th September, 2019.

To,
The Director,
CSIR – National Environment Engineering Institute (NEERI)
Nehru Marg, Nagpur, Maharashtra - 440020

Sanction

Sub: Administrative Approval and Expenditure Sanction for “GIS-based Mapping of Microbial Diversity across the Ganges for Ecosystem Services” at an estimated amount of Rs. 933.45 Lakh (Rs Nine Crore, Thirty-Three Lakhs and Forty-Five Thousand Only) – reg.

I am directed to convey the approval of the project submitted by Director - NEERI in NMCG for GIS-based Mapping of Microbial Diversity across the Ganges for Ecosystem Services under Namami Gange program. Approval is based on technical and financial scrutiny and decision taken in 23rd Executive Committee meeting held on 30th August, 2019, and subject to the terms & conditions mentioned here under:

2.0 General Condition:

a) Institute for executing the project will be NEERI, Nagpur in association with MNRII - Allahabad, Charotar University of Science and Technology, phiXgen Pvt Ltd. and Microbiolabs Labs Ltd. The selected five institutes have specific expertise which is as below:

S. No.	Institute	Responsibility
1	NEERI, Nagpur	Expertise lies in analyzing microbial diversity of contaminated niches, use of microbes for bioremediation of a target niche and GIS based mapping

2	MNNIT Allahabad, Pryagraj	Expertise in microbial ecology, microbial molecular taxonomy and biodiversity
3	Charotar University of Science and Technology	Expertise in microbiology, microbial biotechnology and metagenomics with focus on its application for conservation and sustenance of biological diversity.
4	phiXgen Pvt Ltd.	Expertise in biochemistry, bioremediation and metagenomics diversity analysis of the HCH dumpsite and more recently metagenomics revelations of the hot water springs atop the Himalayan ranges at Manikaran, Himachal Pradesh.
5	Xceleris Labs Ltd.	Expertise in modern molecular biology, genomics, proteomics and medical genetics techniques, especially in nucleic acid sequencing and bioinformatics analyses.

- b) This sanction is the order for commencement of project. No separate work order shall be issued in favour of the partner institutes by NMCG for commencement of the project.
- c) In addition to the responsibility as per the expertise mentioned above, responsibility of overall coordination including payment to individual institutes shall be of Director, NEERI or his authorized representative.
- d) The project duration is 24 months and reach for the study will be for the entire Ganga river.
- e) The data generated during the execution of the project shall not be published anywhere without prior permission of NMCG.
- f) A Monitoring Committee under DG, NMCG shall be constituted by NMCG for monitoring of the progress of the project with Dr Prashant Phale from IIT Bombay as one of the Committee Members.
- g) The project shall be executed in accordance with the Water (Prevention and Control of Pollution) Act, 1974 and Environmental (Protection) Act, 1986 as amended from time to time.
- h) NMCG shall not be accountable for any loss of lives & properties occurring due to local problems during execution of the project.

- i) Any dispute arising during execution of the project shall be settled amicably among the institutes. In case the issue is not resolved among the institutes, the Director General, NMCG shall be the arbitrator and decision of the DG, NMCG shall be final and binding.

3.0 Project Specific Conditions

- a) The necessary arrangements for implementation of the project shall be done by NEERI – Nagpur and the associated institutes mentioned under point 2 (a).
- b) The work related to the project shall be carried out after ensuring the objective and the methodology followed as per standard procedures/ methodology, especially for the laboratory analytical works.
- c) While executing the project, the institutes shall focus on obtaining maximum information from the study by various means of interpretations and data mining.
- d) The institutes shall tie up, on their own, with the local department/ authorities regarding local facilities & assistances, if any.
- e) As per the proposal of NEERI, the study will be carried out on the entire Ganga River in stretches as per planning of NEERI. There will be total Seven stretches in the river viz. Origin to Haridwar, Haridwar to Narora, Narora to Kanpur, Kanpur to Prayagraj, Prayagraj to Varanasi, Varanasi to Rajmahal and Rajmahal to Diamond Harbor. Three samples shall be collected from each of the stretches in triplicate and at each sampling point, water, sediment and microbial mats will be collected. Also, the activity shall be carried out twice in two years and avoiding monsoon period. Hence a total of 378 samples shall be collected and analyzed under the project, as per the proposal. However, NEERI may suitably rework the planning, with approval of Competent Authority ie NMCG, within overall sanctioned cost, as per the requirements.
- f) 15 GB of data shall be generated from each sample. Raw data generated and sequences obtained after sorting, shall be shared with NMCG for both (pre-Monsoon & Winter) the sample analysis.
- g) The reports etc. are to be furnished by NEERI as per approved milestones [Para 3(l)] and payment will be released only after approval of such reports by Competent Authority in NMCG.
- h) The project shall be executed as per the milestones specified under point 3 (l).

i) Total project cost is Rs. 933.45 Lakh (Rs Nine Crore, Thirty-Three Lakhs and Forty-Five Thousand Only) against the following specific objectives:

- Indicators of type of contamination (Sewage and Industrial)
- Ecosystem services of the river (nutrient recycling, fisheries etc.)
- Define health of the river/ rejuvenation efficiency
- Threat to human health (antibiotic resistance surge)
- Identification of the source of E. coli (Human v/s Animal)

j) All the payments shall be released by NMCG to NEERI, Nagpur. The total funds will be divided amongst the five selected institutes as per detailed in table below. However, if required, Director NEERI (or authorized official) may review or rework inter-se distribution, with approval of NMCG.

Institute	NEERI (Dr Atya Kapley)	MNNIT (Prof. Shivesh Sharma)	Charotar University of Science and Technology (Prof. Datta Madamwar)	PhiXgen Pvt Ltd.	Xceleris Labs Ltd.	Total Rs (lakhs)
Total fund share (In Lakh Rupees)	366	55	38	45	385	889
Overheads at 5%	18.3	2.75	1.9	2.25	19.25	44.45
GRAND TOTAL	384.3	57.75	39.9	47.25	404.25	933.45

k) The above mentioned institutes cannot be changed. In case there arises an urgent need of changing the institute, the same can be done only with approval of DG, NMCG.


l) Project duration will be 24 months. The payment is linked with the milestones of the project. The milestones and the payment is as follows:

Milestone	Time/ Milestone (cumulative months)	Payment to be released.
Advance payment at the award of the project	0	25% of the project cost
After 1 st sampling and approval of report	04	10% of the project cost
Sequencing of samples of the first round of sampling and approval of report	06	10% of the project cost
Sequence analysis and after approval of first diversity report	10	15% of the project cost

After 2 nd sampling and approval of report	12	10% of the project cost
Sequence analysis and after approval of second diversity report	18	15% of the project cost
After submission of draft report	22	10% of the project cost
After acceptance of final report	24	5% of the project cost

- m) Subsequent instalment of funds will be issued only after getting the Utilization Certificate (UC) of the previous released funds. NEERI shall submit consolidated UC of the funds released. Partner institutes to submit signed UCs from competent authority to NEERI for compilation (or consolidation).
- n) The CAG of India, Statutory Auditor & Internal Auditor of NMCG, as the case may be, at his/her discretion shall have right to access to project related books of account and documents of Executive Agencies for the purpose of audit.

4. This issues with the approval of Director General, NMCG vide its Dy. No. 2221 dated 03/09/19 and the concurrence of Executive Director (Finance) vide its Dy. No. ED (F)/2019-20/1370 dated 02/09/2019.


(Binod Kumar)
Director (Projects), NMCG

Copy to:

1. Dr Atya Kapley, Head, Director's Research Cell, CSIR-NEERI, Nehru Marg, Nagpur
2. The Director, Motilal Nehru National Institute of Technology Allahabad, Prayagraj - 211004

Kind Attention: Prof. Shivesh Sharma, Department of Biotechnology,

3. The Director, Charotar University of Science and Technology, CHARUSAT Campus, Changa 388121, Disst. Anand, Gujrat
Kind Attention: Prof. Datta Madamwar, Scientific Advisor

4. Director, PhiXgen Pvt Ltd, Flat No. 101, GH-11, Atlantis CGHS Ltd, Sector – 47,
Gurugram - 122001
5. Director, Xceleris Labs Ltd, First Floor, Sydney House, Old Premchand Road, Bodakdev,
Ahmedabad - 380015
6. PS to Director General, NMCG – for a favor of information
7. PS to ED (P/A/F) – for a favor of information
8. Guard File