No. DST/IMRCD/SWINGS/2012/(G)/(i)

DEPARTMENT OF SCIENCE & TECHNOLOGY
GOVERNMENT OF INDIA
(International Multilateral Regional Cooperation Division)

Dated: 18th December, 2012

ORDER

Sanction of the President is accorded for incurring an expenditure not exceeding Rs. 2,25,46,300/- (Rupees Two Crore Twenty five lakhs forty six thousand three hundred only) with break-up of Rs.1,10,46,300/- under ‘General’ and Rs. 1,15,00,000/- under ‘Capital Creation’ head for implementation of India-European Union (EU) Research Project entitled “Safeguarding Water Resources in India with Green and Sustainable Technology” SWINGS for three years duration under the framework of India-European Union Science & Technology Cooperation Agreement.

This project is between Indian Project Coordinator Dr. Nadeem Khalili, Aligarh Muslim University and European Project Coordinators Dr. Juan A. Alvarez, AIMEN Technological Centre, Spain (other partners from India being Dr. B.B. Jana, Kalyani University, Dr. V.K. Mishra, Indira Gandhi National Tribal University, Dr. A.K. Mittal, IIT Delhi and other local bodies and SMEs from Indian side) and (the other European Project partners: Prof. Hans Brix, Aarhus University, Denmark, Prof. Joan Garcia, University Polytechnic de Catalunya, Spain, Dr. Ronald Arno Muller, Helmholtz – Centre for Environment Research, Germany, Dr. Pascal Molle, National Research Institute of Science & Technology for Environment & Agriculture, France, Philipp Otter, Autancon, GMBH, Rene Killian, Killian Water APS, Denmark Dr. Maja Zupanic Justin, Limnos Company for Applied Ecology, Slovenia, Marcel Wieglaus, GBMHH, Germany, Anders Permin, DHI, Denmark).

2. Following is the budget details for the AMU, Aligarh for India-EU Water Project:

<table>
<thead>
<tr>
<th>AMU</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manpower JRF/SRF (5 Nos.)</td>
<td>132000</td>
<td>132000</td>
<td>132000</td>
<td>396000</td>
</tr>
<tr>
<td>Technical Staff with Diploma/ B. Sc (1)</td>
<td>263333</td>
<td>263333</td>
<td>263333</td>
<td>790000</td>
</tr>
<tr>
<td>Equipment Lab</td>
<td>400000</td>
<td>0</td>
<td>0</td>
<td>400000</td>
</tr>
<tr>
<td>Equipment Field (Pilot Plant Infrastructure)</td>
<td>750000</td>
<td>0</td>
<td>0</td>
<td>750000</td>
</tr>
<tr>
<td>Consumables</td>
<td>1920000</td>
<td>1600500</td>
<td>100800</td>
<td>4521300</td>
</tr>
<tr>
<td>Mobility: India to EU 2 visits of senor scientist(2-3 weeks) 1 visit JRF/SRF(2-3 months), total 3 visits</td>
<td>175000</td>
<td>150000</td>
<td>50000</td>
<td>375000</td>
</tr>
<tr>
<td>Domestic travel</td>
<td>250000</td>
<td>150000</td>
<td>150000</td>
<td>550000</td>
</tr>
<tr>
<td>Mobility: EU to India scientist(2-3weeks)/JRF/SRF(2-3 months) total 3 visits</td>
<td>100000</td>
<td>75000</td>
<td>75000</td>
<td>250000</td>
</tr>
<tr>
<td>Overhead Expenses/Institutional Charges</td>
<td>100000</td>
<td>100000</td>
<td>100000</td>
<td>300000</td>
</tr>
<tr>
<td>Terminal Review Meeting</td>
<td>100000</td>
<td>100000</td>
<td>100000</td>
<td>300000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1572833</strong></td>
<td><strong>3758833</strong></td>
<td><strong>3059133</strong></td>
<td><strong>22546300</strong></td>
</tr>
</tbody>
</table>

3. Sanction of the President is also accorded for the release of first installment of Rs. 42,28,333/- (Rupees forty two lakhs twenty eight thousand three hundred and thirty three only) to the Registrar, Aligarh Muslim University (to be utilized by Dr. Nadeem Khalili) under “Grants-in-Aid General” as first installment of the grant for implementation of the above said research project. The payment of this amount may be made to DDO, DST for electronic transfer to the following account of Aligarh Muslim University in favour of Registrar, Aligarh Muslim University, Aligarh (to be utilized by Dr. Nadeem Khalili):

- **Name/Designation of account holder:** Finance Officer, Aligarh Muslim University
- **Name of bank and branch:** State Bank of India, AMU Campus, Aligarh
- **Bank account No.:** 10612179411
- **IFSC Code:** SBIN0005555
- **MICR Code:** 2020002099
As per MOF’s O.M. No. 19024/1/2009-E-IV dated 13th July, 2009, all cases of air travel, both domestic and international, where the Government of India bears the cost of air passage, the officials concerned may travel only by Air India. For travel to stations not connected by Air India, the officials may travel by Air India to the hub/point closest to the eventual destination beyond which they may utilise the services of another airline preferably be an alliance partner Air India.

The institute will maintain separate audited accounts for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST by submitting the statement of expenditure/utilization certificate. The interest thus earned will be treated as credit to the institute to be adjusted towards other instalment of the grant.

The project will be reviewed annually by DST appointed expert committee. The next release of the grant will be subject to recommendation of the expert committee. The general terms and conditions which are to be fulfilled by all the Indian partnering institutions are given in the annexure-1.

This sanction is subject to submission of utilization certificate/statements of expenditure (UC/SE) by the grantee institution along with the yearly technical progress report duly endorsed by Indian Project Coordinator. The next instalment shall be released on receipt of audited statement of expenditure and utilization certificate from the grantee institution.

1. The accounts of the grantee institution shall be open to inspection by the sanctioning authority/audit whenever the institute is called upon to do so, as laid down under rule 150(1) of the General Financial Rules.

9. The expenditure involved is to be met out of the budget head Demand No. 85-Department of Science and Technology - 3425-Other Scientific Research (Major Head) 60.798 International Cooperation (Minor Head), 12-S&T Cooperation with Other Countries -12.00.31 – Grants-in-aid General (Plan) for the current financial year 2012-2013.

10. This issues under the delegated powers to the Ministries/Departments and with the approval of Secretary, DST and financial concurrence of IFD vide Sanction No. 100/IFD/6105/2012-2013 dated 10/12/2012.

11. This sanction order has been entered in Grant-in-aid Register dated. 10-12-2012

To

The Pay & Accounts Officer,
Deptt. of Science & Technology, New Delhi.

Copy to:-

1. Office of the Principal Director of Audit, Scientific Depts., IP Estate, N Delhi- 110002.
2. Cash Section (3 copies), Department of Science & Technology (DST).
3. I.F. Division/Accounts Section, DST.
4. Registrar, Aligarh Muslim University, Aligarh.
5. Finance Officer, Aligarh Muslim University, Aligarh.
6. Dr. Nadeem Khalil, Assistant Professor, Aligarh Muslim University, Dept of Civil Engg., Z.H. College of Engineering and Technology, Aligarh-202002 U.P.(Fax:0571-2702758)E-mail: nadeemkhalil@rediffmail.com
7. Sanction folder.

(Arvind Kumar) (Arvind Kumar)
Scientist 'D'
Scientist 'D'
The next instalment of fund will be released depending upon technical and financial progress and after recommendation of PRC Committee Members (Project review committee).

Kindly acknowledge receipt of the MoU document.

\[ \text{सादर} / \text{Thanking you}, \]

\[ \text{भवदीय} / \text{Yours faithfully,} \]

\[ \text{(Dr J Sundara Rajan)} \]
Joint Director (R&D) & Coordinator – NPP Projects

\[ \text{डॉ जे सुन्दरराजन (संयुक्त निदेशक) आर एंड डी} \]
समन्वयक- एन पी पी परियोजनाएं

\[ \text{संलग्नक} / \text{Enclosure: वचोक} \]

Copy for kind information:

<table>
<thead>
<tr>
<th>Shri R K Verma</th>
<th>Ms. Vandana Singhal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chief Engineer (DP&amp;D)</td>
<td>Director (DP&amp;D)</td>
</tr>
<tr>
<td>Central Electricity Authority,</td>
<td>Central Electricity Authority</td>
</tr>
<tr>
<td>Sewa Bhavan, 6th Floor (North Wing),</td>
<td>Sewa Bhavan, Sector -1,</td>
</tr>
<tr>
<td>R.K. Puram, Sector – 1,</td>
<td>R K Puram,</td>
</tr>
<tr>
<td>New Delhi – 110 016</td>
<td>New Delhi – 110 066</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shri R C Jha, Director (R&amp;D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Electricity Authority,</td>
</tr>
<tr>
<td>Sewa Bhavan, 3rd Floor,</td>
</tr>
<tr>
<td>R K Puram, Sector -1,</td>
</tr>
<tr>
<td>New Delhi – 110 066</td>
</tr>
</tbody>
</table>
Prof. Nadim Khalil,
Assistant Professor,
Dept of Civil Engg.
Zakir Hussain College of Engg & Technology
Aligarh Muslim University
ALIGARH – 202 002. UP

Mahatma/ Sir,

विषय / Sub: NPP Project “Integrated sustainable power generation from short rotation forestry ‘enhanced bio-mass’ in rural and semi urban areas within clean development mechanism (Co2 mitigation) and GIS methodology to assess the technical and economical potential – an initiative towards national enhanced bio-mass action plan”

Enclosed please find one copy of the MoU signed between CPRI and AMU, on 28th December, 2014 in connection with execution of NPP Project “Integrated sustainable power generation from short rotation forestry ‘enhanced bio-mass’ in rural and semi urban areas within clean development mechanism (Co2 mitigation) and GIS methodology to assess the technical and economical potential – an initiative towards national enhanced bio-mass action plan”.

The first instalment of grant of Rs.40.00 lakhs for the project will be released shortly. It is requested that plan of action including programme / scheme of achieving basic milestones as indicated in the approved project proposal, may please be sent to us immediately.

The progress report may please be prepared as per the format enclosed along with utilization certificate, duly signed by the Accounts Manager of AMU and the same may be sent to CPRI for records and for onward transmission to Task Force Convener and MoP.

...2
No. 31-46/2014-15/PYSE-R&D
भारत सरकार: Government of India

Ministry of New & Renewable Energy
(सौर अनुसंधान और विकास प्रभावी) (Solar R&D Division)

To

The Pay & Accounts Officer,
Ministry of New and Renewable Energy
New Delhi-110003

Subject: Sanction of Grants-in-aid for implementation of R&D project on “Determination of Wind Forces on Solar Photovoltaic Panels Mounted on Different Types of Roof and on/above Ground in India Using Computational Fluid Dynamics Techniques” by Dr. Hassan Irtaza, Department of Civil Engineering, Aligarh Muslim University, Aligarh along with the initial release of Rs. 9,08,200/- towards Grants-in-Aid.

Agency Type: ‘A’ Autonomous Body.

Sr,

I am directed to convey sanction of the President of India for implementation of a R&D project on “Determination of Wind Forces on Solar Photovoltaic Panels Mounted on Different Types of Roof and on/above Ground in India Using Computational Fluid Dynamics Techniques” by Dr. Hassan Irtaza, Department of Civil Engineering, Aligarh Muslim University, Aligarh for a period of 2 Years, at a total project cost of Rs. 35,38,040/- with Ministry’s 100% financial support. The above sanction will be on the following terms and conditions:-

2 Project Title: “Determination of Wind Forces on Solar Photovoltaic Panels Mounted on Different Types of Roof and on above Ground in India Using Computational Fluid Dynamics Techniques”

2.1 Principal Investigator: Dr. Hassan Irtaza, Department of Civil Engineering, Aligarh Muslim University, Aligarh

2.2 Project Objectives:

- To show that CFD techniques are effective and reliable approach for evaluation of wind effects on PV panels and to develop a mathematical model of PV panels subjected to wind loads.
- To incorporate the mathematical model (meshing the model in GAMBIT) in Computational Fluid Dynamics Programs such as FLUENT.
- To calculate the pressure force coefficients on the PV panels mounted on different type of roofs and on above ground at different angles of wind incidence.
- To study the pressure force coefficients on the PV panels for different terrain conditions.
- To study the pressure force coefficients on the PV panels both in isolation and in interfering conditions of arrays.
- To obtain revised wind load pressures on the PV panels for inclusion in new revised design codes.
- For the structural safety of PV panels during cyclone, design parameters of PV panel module and foundation design specifications to be studied.
- To recommend the factor of safety for the design of PV panel module and foundation for the cyclone prone areas.

2.3 Time Schedule: 2 Years

P.T.O.

[Signature]
University Grants Commission  
Bahadur Shah Zafar Marg  
New Delhi-110 002  

No.F. 30-90/2015(BSR)  
The Under Secretary FD-III Section,  
University Grants Commission  
Bahadur Shah Zafar Marg,  
New Delhi – 110002.

Dated: December, 2015

11 April 2016

Subject:- Approval-cum-Sanction letter for UGC-BSR Research Start-Up-Grant @ Rs.6.00 lakhs each for newly recruited faculty at Assistant Professors level in Science Departments of various Universities – Release of the grant for the year 2015-2016 under Plan.

Sir,

The University Grants Commission convey its approval and allocate a sum of Rs.24,00,000/- (Rupees Twenty Four Lakhs Only) @ Rs.6.00 Lakhs each faculty to the Finance Officer, Aligarh Muslim University, Aligarh – 202 002 Uttar Pradesh being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grants Commission for payment of Rs.24,00,000/- (Rupees Twenty Four Lakhs only) to the Finance Officer, Aligarh Muslim University, Aligarh – 202 002 Uttar Pradesh being the approval of Rs.24,00,000/- (Rupees Twenty Four Lakhs only) @ Rs.6.00 Lakhs each faculty towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below for the plan expenditure to be incurred during the year 2015-2016:–

<table>
<thead>
<tr>
<th>Name of the Scheme</th>
<th>Head of Account</th>
<th>Name of Faculty / Professor</th>
<th>Name of Departments</th>
<th>Amount Approved (Rs.)</th>
<th>Amount being released (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGC-BSR Start-up grant @ Rs.6.00 lakhs each for newly recruited faculty at Assistant Professor level in science department</td>
<td>3(A) (52) 31</td>
<td>Dr. Farrukh Basheer</td>
<td>Civil Engineering</td>
<td>6,00,000/-</td>
<td>6,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Mohd shariq</td>
<td>Civil Engineering</td>
<td>6,00,000/-</td>
<td>6,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Musheer Ahmad</td>
<td>Applied Chemistry</td>
<td>6,00,000/-</td>
<td>6,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Ghazala Yasmin</td>
<td>Applied Mathematics</td>
<td>6,00,000/-</td>
<td>6,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total: 24,00,000/-</td>
<td>24,00,000/-</td>
</tr>
</tbody>
</table>

2. The sanctioned amount is debitable to the major Head 3(A) (52) 31 and is valid for payment during the financial year 2015-16 only.
University Grants Commission  
Bahadur Shah Zafar Marg.  
New Delhi-110 002  

No.F.30-310/2016(BSR)  
Dated: February, 2017  

The Under Secretary FD-III Section,  
University Grants Commission,  
Bahadur Shah Zafar Marg,  
New Delhi – 110002.  

Subject:- Approval-com-Sanction letter for UGC-BSR Research Start-Up-Grant @ Rs.6.00 Lakhs each for newly recruited faculty at Assistant Professors level in Science Departments of various Universities -- Release of the grant for the financial year 2016-2017 under Plan.

Sirs,

The University Grants Commission convey its approval and allocate a sum of Rs.30,00,000/- (Rupees Thirty Lakhs Only) to Rs.6.00 Lakhs each faculty to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grant Commission for payment of Rs.30,00,000/- (Rupees Thirty Lakhs Only) to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh being the UGC-BSR Research Start Up-Grant for newly recruited faculty at Assistant being the approval of Rs.30,00,000/- (Rupees Thirty Lakhs Only) @ Rs.6.00 Lakhs each faculty towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below, the expenditure to be incurred during 2016-2017.

<table>
<thead>
<tr>
<th>Name of the Item</th>
<th>Head of Account</th>
<th>Name of Faculty / Professor</th>
<th>Name of Departments</th>
<th>Amount Approved (Rs.)</th>
<th>Amount being released (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGC-BSR Start-up grant @ Rs.6.00 lakhs each for newly recruited faculty at Assistant Professor level in science department</td>
<td>3(A) (60) 31</td>
<td>Dr. Mohammed Aslam Saladeque/Dr. Ahmad Shahid</td>
<td>Mathematics/Civil Engineering</td>
<td>Rs.6,00,000/-</td>
<td>Rs.6,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Zakir Hussain/Dr. Rasul Ali</td>
<td>Physics/Science and Humanities</td>
<td>Rs.6,00,000/-</td>
<td>Rs.6,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Ahmad Ali</td>
<td>Total:</td>
<td>Rs.30,00,000/-</td>
<td>Rs.30,00,000/-</td>
</tr>
</tbody>
</table>

2. The sanctioned amount is degradable to the major Head 3(A) (60) 31 and is valid for payment during the financial year 2016-17 only.

3. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh through Electronic mode as per the following details:
Approval-cum-Sanction letter for UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments of various Universities – Release of the grant for the year 2016-2017 under Plan.

Sir,

The University Grants Commission convey its approval and allocate a sum of Rs.90,00,000/- (Rupees Ninety Lakhs Only) @ Rs.10.00 Lakhs each faculty to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grants Commission for payment of Rs.72,00,000/- (Rupees Seventy Two Lakhs only) (80% of approved Grant Rs.10.00 Lakhs to each faculty) to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below, the expenditure to be incurred during 2016-2017.

<table>
<thead>
<tr>
<th>Name of the Item</th>
<th>Head of Account</th>
<th>Name of Faculty / Professor</th>
<th>Name of Departments</th>
<th>Amount Approved (Rs.)</th>
<th>Amount being released (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department</td>
<td>3(A) (60) 31</td>
<td>Dr. Saeikh Zaffar Hassan</td>
<td>Dept of Petroleum Studies</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Mohammad Arsalan Khan</td>
<td>Dept of Civil Engineering</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Mohd. Samar Ansari</td>
<td>Dept of Electronics Engineering</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Mohammad Shahid</td>
<td>Dept of Commerce</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Md Palashuddin Sk</td>
<td>Dept of Chemistry</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Safia Habib</td>
<td>Dept of Biochemistry</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Imtiyaz Yousof</td>
<td>Dept of Chemistry</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Sudhir Kumar Gupta</td>
<td>Dept of Physics</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Mohammad Sajid</td>
<td>Dept of Computer Science</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Total:</strong> 90,00,000/-</td>
<td><strong>72,00,000/-</strong></td>
</tr>
</tbody>
</table>
2. The sanctioned amount is debitable to the major Head 3(A) (60) 31 and is valid for payment during the financial year 2016-17 only.

3. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh through Electronic mode as per the following details:

<table>
<thead>
<tr>
<th>Details (Name &amp; Address) of Account Holder</th>
<th>Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Account No.</td>
<td>10612179411</td>
</tr>
<tr>
<td>b. Name &amp; Address of Bank Branch</td>
<td>State Bank of India, Aligarh Muslim University Branch, Aligarh-202002, Uttar Pradesh</td>
</tr>
<tr>
<td>c. IFSC Code</td>
<td>SBIN0005555</td>
</tr>
<tr>
<td>d. Type of Account</td>
<td>Saving Account</td>
</tr>
</tbody>
</table>

4. The Grant is Subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/Institution.

5. The University / Institution shall maintain proper accounts of the expenditure out of the Grants which shall be utilized only on the approved items of expenditure.

6. The University / Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don’t have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and instructions/guideline there under from time to time.

7. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the UGC as early as possible after the close of the current financial year.

8. The assets acquired wholly or substantially out of University Grants Commission’s Grant Shall not be disposed or encumbered or utilized for the purposes other than those for which the grants was given, without proper sanction of the UGC and should at any time the University ceased to function, such assets shall revert to the University Grants Commission.

9. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed proforma.

10. The grantee institution shall ensure the utilization of grants-in-aid for which it is being sanctioned / paid. In case of non-utilization/part utilization thereof, simple interest @ 10 % per annum as amended from time to time on the unutilized amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India, will be charged.

11. The University / Institution shall follow strictly the Government of India / UGC's guidelines regarding implementation of the reservation policy [both vertical (for SC, ST & OBC) and horizontal (for persons with disability etc.]) in teaching and non-teaching posts.

12. The University / Institution shall fully implement the Official Language Policy of Union Government and comply with the Official Language Act, 1963 and Official Languages (Use for Official Purposes of the Union) Rules, 1976 etc.


14. The University /Institution shall strictly follow the UGC Regulations on curbing the menace of Ragging in Higher Education Institutions, 2009.

15. The University / Institution shall take immediate action for its accreditation by National Assessment & Accreditation Council (NAAC).

16. The accounts of the University / Institution will be open for audit by the Comptroller & Auditor General of India in accordance with the provisions of General Financial Rules, 2005.

17. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by Government.
18. This issues with the concurrence of IFD vide Diary No.4331 (IFD) Dated 14.12.2016.
19. This issues with the approval of C.M. Sectt. vide Diary No.39690 Dated 22.12.2016

Noted in BCR Register 2016-2017 at P.No.19 S.No. 95.

Yours faithfully,

(Mrs. Paramjeet)
Under Secretary

Copy forwarded for information and necessary action to:-

1. Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh. He/She is requested to abide by these instructions/guidelines of sanction order.
2. The Secretary (Education) to the State Government of Tamil Nadu, Karaikudi.
3. The Head, Department of Petroleum Studies, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
4. The Head, Department of Civil Engineering, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
5. The Head, Department of Electronics Engineering, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
6. The Head, Department of Commerce, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
7. The Head, Department of Chemistry, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
8. The Head, Department of Biochemistry, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
9. The Head, Department of Chemistry, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
10. The Head, Department of Physics, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
11. The Head, Department of Computer Science, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
12. Dr. Saeikh Zaffar Hassan, Department of Petroleum Studies, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
13. Dr. Mohammad Arsalan Khan, Department of Civil Engineering, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
14. Dr. Mohd. Samar Ansari, Department of Electronics Engineering, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
15. Dr. Mohammad Shahid, Department of Commerce, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
16. Dr. Md Palashuddin Sk, Department of Chemistry, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
17. Dr. Safia Habib, Department of Biochemistry, J.N. Medical College, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
18. Dr. Imtiyaz Yousuf, Department of Chemistry, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
19. Dr. Sudhir Kumar Gupta, Department of Physics, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
20. Dr. Mohammad Sajid, Department of Computer Science, Aligarh Muslim University, Aligarh - 202002, Uttar Pradesh.
21. The Director General of Audit, Central Revenues, AGCR Building, I.P. Estate, New Delhi.
22. Guard file.

(Anil Kumar)
Section Officer
Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2475000/- (Rs. Twenty Four Lakh Seventy Five Thousand Only) with break-up of Rs. 24000/- under Capital (Non-recurring) head and Rs. 2451000/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 2475000/- has been approved are given below:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Head</th>
<th>Total (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Equipment</td>
<td>24000</td>
</tr>
<tr>
<td></td>
<td>-&gt; Thermocouples</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A'</td>
<td>Total (Non-Recurring)</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Recurring Items</td>
</tr>
<tr>
<td>1</td>
<td>Recurring - A : (Manpower, Consumables, Travel, Contingencies)</td>
<td>2226000</td>
</tr>
<tr>
<td>2</td>
<td>Recurring - B : (Overhead Charges)</td>
<td>225000</td>
</tr>
<tr>
<td></td>
<td>B'</td>
<td>Total (Recurring)</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>Total cost of the project (A' + B')</td>
</tr>
</tbody>
</table>

2. Sanction of the SERB is also accorded to the payment of Rs. 24000/- (Rupees Twenty Four Thousand only) under ‘Grants for creation of capital assets’ and Rs. 817000/- (Rupees Eight Lakh Seventeen Thousand only) under ‘Grants-in-aid General’ to Professor, Aligarh Muslim University, Aligarh, Uttar Pradesh being the first installment of the grant for the year 2017-2018 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 Early Career Research Award, (EC Engineering Sciences)

4. The Sanction has been issued to Aligarh Muslim University, Aligarh, Uttar Pradesh with the approval of the competent authority under delegated powers on 23 May, 2017 and vide Diary No. SERB/F/1268/2017-18 dated 02 June, 2017

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-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
8. 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.

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

10. The release amount of Rs. 841000/- (Rupees Eight Lakh Forty One Thousand only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

<table>
<thead>
<tr>
<th>Account Name</th>
<th>Finance Officer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Number</td>
<td>10612179411</td>
</tr>
<tr>
<td>Bank Name &amp; Branch</td>
<td>State Bank of India A.M.U. Branch, Aligarh, 202002, U.P., India</td>
</tr>
<tr>
<td>IFSC/RTGS Code</td>
<td>SBIN0005555</td>
</tr>
<tr>
<td>Email id of A/C Holder</td>
<td><a href="mailto:fo.amu@amu.ac.in">fo.amu@amu.ac.in</a></td>
</tr>
<tr>
<td>Email id of PI</td>
<td><a href="mailto:mohd.arsalan.khan@hotmail.co.uk">mohd.arsalan.khan@hotmail.co.uk</a></td>
</tr>
</tbody>
</table>

11. The institute will furnish to the SERB, New Delhi, 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.

12. 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.

13. The project File no. ECR/2017/000908 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. 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.

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

16. 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.

17. 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.

18. 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. Ramesh Vijayan)

SCIENTIST-C
drvramesh@serb.gov.in

To,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, A.G.C.R.Building, IIInd Floor, IP Estate, Delhi-110002
2. Sanction Folder, SERB, New Delhi.
3. File Copy
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>Dr. Mohammad Arsalan Khan</td>
</tr>
<tr>
<td></td>
<td>Department of Civil Engineering</td>
</tr>
<tr>
<td></td>
<td>Aligarh Muslim University, Aligarh, uttar pradesh, Aligarh, Uttar pradesh-202002</td>
</tr>
<tr>
<td></td>
<td>Email: <a href="mailto:mobd.arsalan.khan@hotmail.co.uk">mobd.arsalan.khan@hotmail.co.uk</a></td>
</tr>
<tr>
<td></td>
<td>Mobile: 919045401002</td>
</tr>
<tr>
<td></td>
<td>(Start date of the project may be intimated by name to the undersigned. For guidance, terms &amp; Conditions etc. Please visit <a href="http://www.serb.gov.in">www.serb.gov.in</a>.)</td>
</tr>
<tr>
<td>5.</td>
<td>Professor,</td>
</tr>
<tr>
<td></td>
<td>Aligarh Muslim University, Aligarh, Uttar Pradesh</td>
</tr>
<tr>
<td></td>
<td>(Receipt of Grant may be intimated by name to the undersigned)</td>
</tr>
</tbody>
</table>

(Dr. Ramesh Vijayan)
SCIENTIST-C
drvramesh@serb.gov.in
The Electronic Project Proposal Management System, For SERB

ORDER

Subject: Financial Sanction of the research project titled "Bio-energy production from high strength industrial wastewater (slaughterhouse wastewater) with anaerobic SBR combining with aerobic SBR for safe discharge of treated water" under the guidance of Dr. Farrukh Basheer, Civil Engineering, Aligarh Muslim University, Aligarh, uttar pradesh, Aligarh, Uttar pradesh-202002 - 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. 1430000/- (Rs. Fourteen Lakh Thirty Thousand Only) with break-up of Rs. 700000/- under Capital (Non-recurring) head and Rs. 730000/- under General (Recurring) head for a duration of 36 months. The items of expenditure for which the total allocation of Rs. 1430000/- has been approved are given below:

The following budget may be considered for Aligarh Muslim University, Aligarh, Uttar Pradesh

<table>
<thead>
<tr>
<th>S.No</th>
<th>Head</th>
<th>Total (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Non-recurring</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Equipment</td>
<td>700000</td>
</tr>
<tr>
<td></td>
<td>-&gt; Magnetic Hot Plate Stirrer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-&gt; Peristaltic Pumps</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-&gt; Gas Flow meter</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-&gt; Online UPS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-&gt; PLC Programmable Logic Control (Multiparameter Universal Controller)</td>
<td></td>
</tr>
<tr>
<td>A'</td>
<td>Total (Non-Recurring)</td>
<td>700000</td>
</tr>
<tr>
<td>B</td>
<td>Recurring Items</td>
<td>600000</td>
</tr>
<tr>
<td>1</td>
<td>Recurring - A: (Consumables, Travel, Contingencies)</td>
<td>130000</td>
</tr>
<tr>
<td>2</td>
<td>Recurring - B: (Overhead Charges)</td>
<td>730000</td>
</tr>
<tr>
<td>B'</td>
<td>Total (Recurring)</td>
<td>1430000</td>
</tr>
<tr>
<td>C</td>
<td>Total cost of the project (A + B')</td>
<td></td>
</tr>
</tbody>
</table>

2. Sanction of the SERB is also accorded to the payment of
   - Rs. 700000/- (Rupees Seven Lakh only) under 'Grants for creation of capital assets' and Rs. 243330/- (Rupees Two Lakh Forty Three Thousand Thirty only) under 'Grants-in-aid General' to Registrar, Aligarh Muslim University, Aligarh, Uttar Pradesh being the first installment of the grant for the year 2017-2018 for implementation of the said research project.

3. The expenditure involved is deputable to Fund for Science & Engineering Research (FSER)
   This release is being made under Early Career Research Award. (EC Engineering Sciences)

4. The Sanction has been accorded to Aligarh Muslim University, Aligarh, Uttar Pradesh with the approval of the competent authority under delegated powers on 07 June, 2017 and vide Diary No. SERD/7/1609/2017-18 dated 09 June, 2017

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-A, it should be ensured that not more than Rs. 1.5 lakhs each should be spent for travel and contingency.

8. 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.

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

10. The release amount of Rs. 943330/- (Rupees Nine Lakh Forty Three Thousand Thirty only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:
    Account Name: Finance Officer (AMU DEV GRANT)
    Account Number: 106121794111

http://serbonline.in/SERB/GenerateSanction&Release?ProcId=23016001042&vId=0
11. The institute will furnish to the SERB, New Delhi, 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.

12. 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.

13. The project file no. ECR/2016/001621 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

14. 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.

15. As this is the first grant being released for the project, no previous UC is required.

16. 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.

17. 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.

18. 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. Ramesh Vijayan)
SCIENTIST-C
drvramesh@serb.gov.in

To,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to:

1. The Principal Director of Audit, A.G.C.R. Building, IIrd Floor I.P. Estate, Delhi-110002
2. Sanction Folder, SERB, New Delhi
3. File Copy
4. Dr. Farrukh Basheer
Civil Engineering
Aligarh Muslim University, Aligarh, Uttar Pradesh, Aligarh, Uttar Pradesh-202002
Email: farrukhbasheer@yahoo.com
Mobile: 915997813572
(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. Registrar,
Aligarh Muslim University, Aligarh, Uttar Pradesh
(Receipt of Grant may be intimated by name to the undersigned)

(Dr. Ramesh Vijayan)
SCIENTIST-C
drvramesh@serb.gov.in
To,

Dr. Javed Alam,
Professor,
Department of Civil Engineering,
Z. H. College of Engineering & Technology,
Aligarh Muslim University,
Aligarh-202002

Sub: Research project entitled "An experimental study on Permeability of Layered Soils Parallel to the Bedding Plane".

Sir,

This is with reference to above mentioned research project submitted to the Council for financial assistance. I am happy to convey that this project has been sanctioned by the Council with financial support of Rs. 6,05,000/- under the following heads for the period of two years.

<table>
<thead>
<tr>
<th>Head</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jr. Research Assistant -1 @ Rs. 20,000/- p.m. for two years &amp; Rs. 22,000/- p.m. for third year</td>
<td>2,40,000</td>
<td>2,40,000</td>
<td>4,80,000</td>
</tr>
<tr>
<td>Contingency including Chemicals &amp; consumable item, etc. (Excluding Institutional Charges)</td>
<td>50,000</td>
<td>75,000</td>
<td>1,25,000</td>
</tr>
<tr>
<td>Grand Total</td>
<td>2,90,000</td>
<td>3,15,000</td>
<td>6,05,000</td>
</tr>
</tbody>
</table>

The necessary action may kindly be taken for the appointment of research staff sanctioned in the above project strictly following the guidelines given in the booklet "General Information and Guidelines for Award of Research Assistantship & Grant-in-aid Regulations-1988" a copy of which is enclosed herewith. The duration of the project will be counted from the date of commencement of the project i.e. the date of joining of the staff under the project. The recommendation of the selection committee regarding the appointment of research staff approved with their academic details, age, relevant experience, publication (if applicable) along with the copy of advertisement made by forwarded to the Council for approval. The process regarding the appointment of research staff may please be initiated at the earliest and all formalities must be completed within three month period, so that the work proposed in the project may be started soon and the grant for 1st year of the project may be released by the Council.
The Principal Investigator will have to ensure:-

- That the work carried out under the project is original & not duplication. If so found, CST, UP reserves the right to abandon the project immediately and in that case Principal Investigator will have to return any grant released in the project.
- That publication of the research results are to be made only after exploring the possibility of IPR/Patent protection.
- The patent, if any, shall be in the name of CST, UP.
- Publication must include the acknowledgement to CST, UP & two copies of each publication along with the impact factor are submitted to CST, UP for record.
- In view of extending societal benefit of the scientific/R&D work, the P.I. should plan field visits by research staff associated with the project to nearby villages or schools/Colleges for disseminating the knowledge acquired.

Kindly acknowledge the receipt & acceptance of this sanction letter of the project.

Thanking you,

Yours faithfully,

Encl: As above.

(Dr. D. K. Srivastava)
Joint Director

Endorsement No: CST/AAS/D- / of dated.

Copy forwarded for information and necessary action to:

1. Registrar, Aligarh Muslim University, Aligarh-202002
2. Assistant Finance & Finance Officer (Scholarship), Aligarh Muslim University, Aligarh-202002.
3. Chairman, Civil Engineering Department, Aligarh Muslim University, Aligarh-202002

(Dr. D. K. Srivastava)
Joint Director
To,
Dr. Nadeem Khalil,
Aligarh Muslim University,
Aligarh - 202001

Subject: Sanction order & other Terms & Conditions regarding inspection of GPIs by Third Party Agency – reg.

Sir,

This is in continuation of our previous letters dated 28.02.2018 & 06.03.2018 inviting project proposal for inspection of 33 GPIs allocated to your institute in the State of Uttar Pradesh.

CPCB has allocated 33 number of GPIs located in ALIGARH, Amroha, Bulandshahar, Etah, Hapur, Kasganj, Mainpuri, Pilibhit and Rampur, for carrying out inspections, which includes visit to the GPIs, collection of samples from ETP (inlet, outlet & aeration tank), laboratory analysis for effluent discharge parameters as per the industry specific notified effluent discharge standards under the Environmental (Protection) Rules, 1986. The inspection also includes collection of primary data regarding validity of consent to operate (CTO), environmental clearance (EC), reuse/recycle/ZLD, effluent by-pass arrangements, details of manufacturing process, effluent treatment plant (ETP) system, effluent / solid waste practices and status of connectivity of online continuous effluent monitoring system (OCEMS) as per the suggestive format (sector-wise/general) provided by CPCB (Annexure-I). Also, information regarding each GPI shall be provided as per the sheet annexed (Annexure-II).

The inspection team shall also use the android-based application available at http://125.19.52.218/Gangaapk/ and details portal (http://125.19.52.218/inspectionPortal/) for preparation and submission of reports in addition to the hard copy of the report.

Subsequently your project proposal of Rs.1517675.00 received vide E-mail dated 06.03.2018 has been considered and the same has been sanctioned by CPCB based on approval received from NMCG.

I am hereby directed to convey the sanction of the project “Inspection of GPIs for Compliance Verification” at the project cost of Rs.1517675.00. However, CPCB reserves the right to re-allocate/review the list of GPIs/regions to be visited and the sanctioned project cost may be modified based on the number of GPIs visited the institute. Fifty percent (50%) of the sanctioned amount is being released separately in favour of the Institute as advance.

The inspections of the allocated GPIs shall be carried out by the teams, each comprising of at least two experts (Faculty member / Research Scholar) from your Institute. Association of SPCBs and SPMGs to be ensured during inspections. Wherever District Ganga Committee is formed, their participation may also be explored. The inspection team shall also include officials from concerned SPCBs, SPMGs & District Ganga Committees (DGs). You are requested to forward the visit schedule at least two weeks in advance to SPCBs, SPMGs & DGs to CPCB to ensure nomination & participation of concerned officials. The inspection report shall be submitted to the concerned State Pollution Control Board (SPCB) within 10 days from the date of inspection. Any effluent bypass / multiple effluent discharge points / non-existent or defective ETP has to be reported to the concerned SPCB and CPCB immediately within 48 hours along with supporting photographs (or documents).

Contd.02
The collection of sample and its analysis may be ensured as per the provisions of the Environmental (Protection) Act, 1986 and the Water Act, 1974 so that the follow-up action stands its legal validity. All samples shall be analysed by environmental laboratory having valid recognition under the Environmental (Protection) Act, 1986 or laboratories established by SPCBs under Water Act, 1974. Sector specific suggestive formats are also enclosed for providing detailed status of monitoring of GPi's.

Progress of GPi's covered under inspection program needs to be communicated to CPCB (through E-mail - cpcbgpil@gmail.com and ngrba.cpcb@gmail.com) and the concerned SPCB on weekly basis (Progress format annexed - Annexure-III). The team shall coordinate with the concerned Regional Office (RO) of the SPCB for carrying out the inspections and submission of inspection reports. The team shall also coordinate with CPCB Head Office (Contact Person: Dr. A. K. Vidyarthi, Additional Director & Divisional Head – WQM-II, Mobile No. 9871177730, E-mail – akvidyarthi@gmail.com), CPCB Regional Director, Shri. S. K. Gupta, Mobile No. 07678997444, E-mail - skgupta110@yahoo.com

The institute shall submit the utilization certificate and shall return the unspent amount, if any, to CPCB within 30 days from the date of completion of the project.

You are requested to kindly countersign the sanction letter and forward to CPCB as your acceptance of the offer, and further, requested to mobilize the teams for commencement of inspection from 02.04.2018 and inform to CPCB about commencement of the inspection.

(Dr. A.K. Vidyarthi)
Additional Director & Divisional Head-WQM-II

Copy to:

1. The Member Secretary
   Uttar Pradesh Pollution Control Board,
   Building No. TC-12V, Vibhuti Khand, Gorakhpur, Lucknow,
   Uttar Pradesh-226 010

2. Project Director
   SPMG Group
   834, Bapu Bhawan Sachivalaya,
   Lucknow,
   Uttar Pradesh-226001

   1) With a request to coordinate with the nodal officer and depute concerned officer from your organisation for participation in the joint inspection as the schedule provided bound by the technical institution.

   2) SPCBs are requested to ensure completion of follow up action of inspection report/observations received from technical institute as per rules including issuance of directions within 30 days of receipt of the inspection reports and inform CPCB about action taken.

   3) SPCBs are requested to forward weekly progress report to CPCB regarding no. of GPi's inspected, inspection report received & processed, direction issued in the prescribed format.

   4) SPCBs are requested to provide lab reports within 10 days to concerned Technical Institutes.

   (Dr. A.K. Vidyarthi)
   Additional Director & Divisional Head-WQM-II
No.F.30-409/2018(BSR)

The Under Secretary FD-III Section,
University Grants Commission
Bahadur Shah Zafar Marg,
New Delhi – 110002.

Subject: Approval-cum-Sanction letter for UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments of various Universities – Release of the grant for the year 2018-2019 under Plan.

Sir,

The University Grants Commission convey its approval and allocate a sum of ₹30,00,000/- (Rupees Thirty Lakhs Only) to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grants Commission for payment of ₹24,00,000/- (Rupees Twenty Four Lakhs Only) (80% of approved Grant ₹10.00 Lakhs) to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below, the expenditure to be incurred during 2018-2019.

<table>
<thead>
<tr>
<th>Name of the Item</th>
<th>Head of Account</th>
<th>Name of Faculty / Professor</th>
<th>Name of Departments</th>
<th>Amount Approved (₹)</th>
<th>Amount being released (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department</td>
<td>3(A)16(X) 31</td>
<td>Dr. Rose Rizvi</td>
<td>Botany</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Saad Bin Javed</td>
<td></td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Syed Muhammad Ibrahim</td>
<td>Civil Engineering</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td></td>
<td></td>
<td></td>
<td>30,00,000/-</td>
<td>24,00,000/-</td>
</tr>
</tbody>
</table>

4. The sanctioned amount is debitable to the major Head 3(A)16 (X) 31 and is valid for payment during the financial year 2018-19 only.

5. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh through Electronic mode as per the following details:

a. Details (Name & Address) of Account Holder: Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.

b. Account No.: 10612179411

c. Name & Address of Bank Branch: State Bank of India, Aligarh Muslim University Branch, Aligarh-202002, Uttar Pradesh

d. MICR Code: 20200299

e. IFSC Code: SBIN0005555

f. Type of Account: Saving Account
4. The Grant is Subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/Institution.

5. The University / Institution shall maintain proper accounts of the expenditure out of the Grants which shall be utilized only on the approved items of expenditure.

6. The University / Institution may follow the General Financial Rules, 2005 and take urgent necessary action to amend their manuals of financial procedures to bring them in conformity with GFRs, 2005 and those don't have their own approved manuals on financial procedures may adopt the provisions of GFRs, 2005 and instructions/guideline there under from time to time.

7. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the UGC as early as possible after the close of the current financial year.

8. The assets acquired wholly or substantially out of University Grants Commission's Grant Shall not be disposed or encumbered or utilized for the purposes other than those for which the grants was given, without proper sanction of the UGC and should at any time the University ceased to function, such assets shall revert to the University Grants Commission.

9. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed proforma.

10. The grantee institution shall ensure the utilization of grants-in-aid for which it is being sanctioned / paid. In case of non-utilization/part utilization thereof, simple interest @ 10 % per annum as amended from time to time on the unutilized amount from the date of drawal to the date of refund as per provisions contained in General Financial Rules of Govt. of India, will be charged.

11. The University / Institution shall follow strictly the Government of India / UGC's guidelines regarding implementation of the reservation policy [both vertical (for SC, ST & OBC) and horizontal (for persons with disability etc.)] in teaching and non-teaching posts.

12. The University / Institution shall fully implement the Official Language Policy of Union Government and comply with the Official Language Act, 1963 and Official Languages (Use for Official Purposes of the Union) Rules, 1976 etc.


14. The University /Institution shall strictly follow the UGC Regulations on curbing the menace of Ragging in Higher Education Institutions, 2009.

15. The University / Institution shall take immediate action for its accreditation by National Assessment & Accreditation Council (NAAC).

16. The accounts of the University / Institution will be open for audit by the Comptroller & Auditor General of India in accordance with the provisions of General Financial Rules, 2005.

17. The annual accounts i.e. balance sheet, income and expenditure statement and statement of receipts and payments are to be prepared strictly in accordance with the Uniform Format of Accounting prescribed by Government.

18. This issues with the concurrence of IFD vide Diary No.163 (IFD) Dated 13.08.2018

19. This issues with the approval of C.M. Sect. vide Diary No. 39690 Dated 21.08.2018.

Noted in BCR Register 2018-2019 at P.No.08 & S.No.35

Yours faithfully,

(Ajay Kumar)
Education Officer
Copy forwarded for information and necessary action to:

1. Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh. He/She is requested to abide by these instructions/guidelines of sanction order.
2. The Secretary (Education) to the State Government of Aligarh-202002, Uttar Pradesh.
3. The Head, Department of Botany, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
4. The Head, Department of Civil Engineering, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
5. Dr. Rose Rizvi, Department of Botany, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
6. Dr. Saad Bin Javed, Department of Botany, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
7. Dr. Syed Muhammad Ibrahim, Department of Civil Engineering, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
8. The Director General of Audit, Central Revenues, AGCR Building, I.P. Estate, New Delhi.

(Poonam Arora)
Section Officer
Subject:- Approval-cum-Sanction letter for UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments of various Universities – Release of the grant for the year 2017-2018 under Revenue.

Sir,

The University Grants Commission convey its approval and allocate a sum of ₹30,00,000/- (Rupees Thirty Lakhs Only) @ ₹10.00 Lakhs each faculty to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh being the UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level of Science Departments.

Accordingly, I am further directed to convey the sanction of the University Grants Commission for payment of ₹24,00,000/- (Rupees Twenty Four Lakhs only) (80% of approved Grant ₹10.00 Lakhs to each faculty) to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh towards UGC-BSR Research Start-Up-Grant for newly recruited faculty at Assistant Professors level in Science Departments as per details given below, the expenditure to be incurred during 2017-2018.

<table>
<thead>
<tr>
<th>Name of the Item</th>
<th>Head of Account</th>
<th>Name of Faculty / Professor</th>
<th>Name of Departments</th>
<th>Amount Approved (₹)</th>
<th>Amount being released (₹) (80%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department</td>
<td>3(A) (68) 31</td>
<td>Dr. Md. Rehan Sadique</td>
<td>Civil Engineering</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Hizur Rahman Siddique</td>
<td>Zoology</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr. Sidra Khanam</td>
<td>Mechanical Engineering</td>
<td>10,00,000/-</td>
<td>8,00,000/-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Total:</td>
<td>30,00,000/-</td>
</tr>
</tbody>
</table>

2. The sanctioned amount is debitable to the major Head 3(A) (68) 31 and is valid for payment during the financial year 2017-18 only.

3. The amount of the Grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh through Electronic mode as per the following details:

   a. Details (Name & Address) of Account Holder : Finance Officer, Aligarh Muslim University, Aligarh-202002, Uttar Pradesh.
   b. Account No. : 10612179411
   c. Name & Address of Bank Branch : State Bank of India, Aligarh Muslim University Branch, Aligarh-202002, Uttar Pradesh.
   d. MICR Code : 202002099
   e. IFSC Code : SBIN0005555
   f. Type of Account : Saving Account.

4. The Grant is subject to the conditions on the basis of which the Grant has been sanctioned and the provisions of UGC statutes and rules.
ORDER

Sanction of President is accorded for incurring an expenditure not exceeding Rs. 7,82,94,400 (Rupees Seven Crore Eighty Two Lakh Ninety Four Thousand Four Hundred only) for a duration of 4 years implementation of India- EU Water Research Project – PAVITR - “Potential and Validation of Sustainable Natural & Advance Technologies for Water & Wastewater Treatment, Monitoring and Safe Water Reuse in India” - Indian project Coordinator Prof. Nadeem Khalil, Aligarh Muslim University. The detailed breakup of the grant for General as well as Capital Components are given below:

General Component: Rs. 3,45,44,400/-
Capital Component: Rs. 4,37,50,000/-

2. The Project is between Indian Project Partners: India Project Partners: Prof. Nadeem Khalil, Aligarh Muslim University (Lead Coordinator), Aligarh; Dr. Girish R Pophali, CSIR - National Environmental Engineering Research Institute (RTD), Nagpur; Prof. Ashok Gupta, Indian Institute of Technology Kharagpur (RTD), Kharagpur; Prof. Sunil K. Gupta, Indian Institute of Technology (ISM), Dhanbad; Shri D P Mathuria, National Mission for Clean Ganga, Delhi; Shri Depinder Singh Kapur & Jyoti Das, National Institute of Urban Affairs, Delhi; Prof. Kanchan Khare, Symbiosis International, Deemed University, Pune; Mr. Prashant Mahagaonkar, Ecosan Services Foundation, Pune; Dr. Ramesh Daryapurkar, Lars Enviro Pvt. Ltd, Nagpur; Dr. A.K. Raghav, UrbanPlan Consulting & Engineering Pvt. Ltd., New Delhi and;

European Project Partners: Mr. MirkoHänel, TTZ Bremerhaven, Germany (Lead Coordinator), Germany; Dr. Carlos Arias, Aarhus University, Denmark; Dr. Thomas Aubron, Helmholtz Centre for Environmental Research, Germany; Dr. Enrica Uggetti, Universitat Politècnica de Catalunya, Spain; Mrs. Maria Cerviño Gómez, AIMEN Technology Center, Spain; Dr. Günter Langergraber, BOKU University of Natural Resources and Life Sciences, Austria; Ms. Antonia Maria, BioAzul, Spain; Dr. Fabio Masl, IRIDRA, Italy; Mr. Philipp Otter, AUTARCON, Germany; Mr. Andreas Tauscher, Kre_Ta - Rainwater use & Landscape design, Germany; Mrs. Leonella Barreto-Dillon, Seecon International, Switzerland; Dr. Gottfried Pessl, Pessl Instruments, Austria

3. Following is the budget allocation for the partnering institutions for India-EU Water Research Project:

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Head of Account</th>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Non-Recurring</td>
<td>Lab Equipment Ancillaries for HPLC and other testing equipment</td>
<td>5.00</td>
<td>5.00</td>
<td>0.00</td>
<td>0.00</td>
<td>10.00</td>
</tr>
<tr>
<td>2</td>
<td>Pilot Plant Construction Cost (KWSBR-75m3/d, HRAP-50m3/d, WS-SRP-25 m3/d, FRB-50m3/d, UASB-CW-250m3/d, FSSM-5m3/d)</td>
<td>150.00</td>
<td>100.00</td>
<td>0.00</td>
<td>0.00</td>
<td>250.00</td>
</tr>
<tr>
<td></td>
<td>Total A</td>
<td>155.00</td>
<td>105.00</td>
<td>0.00</td>
<td>0.00</td>
<td>260.00</td>
</tr>
<tr>
<td>B. Recurring</td>
<td>Manpower – 5 (RA-2 No., SRF-1, JRF-1 Nos., Project Asst. - 1 No.)</td>
<td>24.91</td>
<td>24.91</td>
<td>25.47</td>
<td>25.47</td>
<td>100.76</td>
</tr>
<tr>
<td></td>
<td>Consumables - glassware, chemicals, office peripherals etc.</td>
<td>4.00</td>
<td>4.00</td>
<td>6.00</td>
<td>6.00</td>
<td>20.00</td>
</tr>
</tbody>
</table>
To,

Dr. Nadeem Khalil,
Department of Civil Engineering,
Aligarh Muslim University,
Aligarh – 202001
E-mail krnadeemkhalil@gmail.com
Mobile No 9411667276

Subject: Sanction order & other Terms & Conditions regarding inspection of GPIs by Third Party Agency – reg.

Sir,

This is in continuation of our previous letters dated 26.03.2019 & 18.04.2019 inviting project proposal for inspection 21 GPIs allocated to your institute in the State of Uttar Pradesh.

CPCB has allocated 21 number of GPIs located in the regions of Aligarh, Bareilly, Bijnore, Bulandshahr and Moradabad for carrying out inspections, which includes visit to the GPIs, collection of samples from ETP (inlet, outlet & aeration tank), spentwash profile in case of Distillery, collection of ground water samples, U/s & D/s of recipient drain, laboratory analysis for effluent discharge parameters as per the industry specific notified effluent discharge standards under the Environmental (Protection) Rules, 1986. The inspection also includes collection of primary data regarding validity of consent to operate (CTO), environmental clearance (EC), reuse/recycle/ZLD, effluent by-pass arrangements, details of manufacturing process, effluent treatment plant (ETP) system, effluent / solid waste practices, Charter implementation and status of connectivity of online continuous effluent monitoring system (OCEMS) as per the suggestive format (sector-wise/general) provided by CPCB (Annexure-I). Also, information regarding each GPI shall be provided as per the sheet annexed (Annexure-II).

The inspection team shall also use the android-based application available at https://play.google.com/store/apps/details?id=com.thirdparty.gangaproject and detailed portal (http://125.19.52.219/thirdparty) for submission of reports in addition to the hard copy of the report.

Subsequently your project proposal of Rs. 10,39,500/- received vide E-mail dated 16th April, 2019 has been considered and the same has been sanctioned by CPCB based on approval received from NMCG.

Contd...02
I am hereby directed to convey the sanction of the project “Inspection of GPIs for Compliance Verification” at the project cost of Rs. 10,39,500/- for project duration of April-July 2019. However, CPCB reserves the right to re-allocate/revise the list of GPIs/regions to be visited and the sanctioned project cost may be modified based on the number of GPIs visited by the institute. Fifty percent (50%) of the sanctioned amount is being released separately in favour of the Institute as advance after receipt of acceptance from your institute and submission of Performa invoice.

The inspections of the allocated GPIs shall be carried out by the teams, each comprising of atleast two experts (One Faculty member and one may be Research Scholar) from your Institute. Association of SPCBs and SMCGs to be ensured during inspections. Wherever District Ganga Committee is formed, their participation may also be explored. The inspection team shall also include officials from concerned SPCBs, SMCGs & District Ganga Committees (DGCs). You are requested to forward the visit schedule atleast one week in advance to SPCBs, SMCGs/DGCs & CPCB to ensure nomination & participation of concerned officials. The inspection report shall be submitted to the concerned State Pollution Control Board (SPCB) within 15 days from the date of inspection. Any effluent by-pass / multiple effluent discharge points / non-existent or defunct ETP has to be reported to the concerned SPCB and CPCB immediately within 24 hours alongwith supporting photographs (or documents). The inspection of allocated GPIs shall be completed by July 31, 2019 positively.

The collection of sample and its analysis may be ensured as per the provisions of the Environmental (Protection) Act, 1986 and the Water Act, 1974. Samples shall be analysed preferably by laboratories recognized under the Environmental (Protection) Act, 1986 & Water Act, 1974. In case of unavailability, institute having adequate laboratory set-up may use their own lab for sample analysis.

Inspection reports shall be used for legal action based on compliance status. You may also coordinate with sector specific nodal institute for technical guidance for carrying out inspection, validation of data and report preparation. A copy of Authorization Letter is also enclosed herewith to authorize your team for visit to industrial units.

Progress of GPIs covered under inspection program needs to be communicated to CPCB (through E-mail - cpcbkgpi@gmail.com) and the concerned SPCB on weekly basis (Progress format annexed – Annexure-III). The team shall coordinate with the concerned Regional Office (RO) of the SPCB for carrying out the inspections and submission of inspection reports. The team shall also coordinate with CPCB Head Office (Contact Person: Dr. A. K. Vidyarthi, Additional Director & Division Head – WQM-II, Mobile No. 9871177730, E-mail – akvidyarthi@gmail.com), CPCB Regional Director (North) Sh S.K. Gupta, Mobile No.7678997444, E-mail – skgupta110@yahoo.com.

The institute shall submit the utilization certificate and shall return the unspent amount, if any, to CPCB within 30 days from the date of completion of the project.
You are requested to kindly countersign the sanction letter and forward to CPCB as your acceptance of the offer, and further, requested to mobilize the teams for commencement of inspection w.e.f 25th April, 2019 and inform to CPCB about commencement of the inspection.

(Dr. A.K. Vidyarthi)
Additional Director & Divisional Head-WQM-II
TO WHOMSOEVER IT MAY CONCERN

CPCB has undertaken a monitoring/inspection program of identified Grossly Polluting Industries (GPIs) discharging into main stem of River Ganga and its Tributaries in collaboration with technical institutes of repute.

Central Pollution Control Board and any officer empowered by the Board under section 23 of the Water (Prevention and Control of Pollution) Act, 1974 or under section 24 of the Air (Prevention and Control of Pollution) Act, 1981, vide Sl. No. 30 of Notification No. S.O. 83 (E), dated 16.02.1987 issued by Ministry of Environment and Forests & Climate Change authorized for entry and inspection and vide Sl. No. 30 of Notification No. S.O. 84 (E), dated 16.02.1987 to take samples.

The Aligarh Muslim University, Aligarh is empowered by the CPCB for carrying out the monitoring/inspection of identified GPIs and collection of trade effluent, sewage samples, information related to consent to operate, environmental clearance, authorizations, details of manufacturing process ETP system, water consumption and waste water generation etc.

A team of Aligarh Muslim University, Aligarh is authorised to visit your industrial unit for carrying out inspection/monitoring.

You are requested to kindly cooperate with the team and provide logistic support in carrying out the inspection & collection of samples.

This authorisation is valid upto 31st July, 2019.

(印章)
(Dr. A.K. Vidyarthi)
Additional Director & I/c WQM-II