


File No. W.11017/44 2011-WQ
Government of India
Ministry of Drinking Water & Sanitation
(Water Quality)


एम.एम. सिंह / M. M. Singh
निदेशक / Director
पेयजल और स्वच्छता मंत्रालय
Ministry of Drinking Water & Sanitation
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

9th Floor, Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi 110003.
Dated the 11th December, 2013.

SANCTION ORDER No. 3

Subject:-Release of funds to Indian Institute of Technology Guwahati, Guwahati (Assam) towards research project - "Development of Bioreactor System for simultaneous removal of multi-pollutants such as iron, nitrate, arsenic and fluoride from groundwater"- Regarding.

Sanction of the President of India is hereby conveyed for the release of an amount of Rs.5,63,451/- (**Rupees Five lakh sixty three thousand four hundred fifty one only**) as 1st installment of total project cost of Rs. 14,08,628/- (**Rupees Fourteen lakh eight thousand six hundred twenty eight only**) to Indian Institute of Technology Guwahati. Guwahati-781039 (Assam) with project duration of three years. for Research Project entitled " **Development of Bioreactor system for simultaneous removal of multi - pollutants such as iron, nitrate, arsenic and fluoride from ground water**". **Dr. P.K. Ghosh, Associate Professor, Deptt. of Civil Engineering, IIT Guwahati** is the **Principal Investigator** for the aforesaid project.

2. **The terms and conditions for the release are as under:-**

- I. The release is under plan expenditure and should be used for the purpose for which it is released. Diversion of funds is not allowed under any circumstances.
- II. Quarterly/Half-yearly progress reports may regularly be sent to the Ministry.
- III. The Utilization Certificate/Audited Statement of Accounts may be sent to the Ministry in due course.
- IV. Final installment will be released after receipt of Completion Report, UCs, Audited Statement of Accounts and other documents as per the terms and conditions of the technical sanction issued vide Order No.W.11017/44/2011-WQ dated 11th December, 2013.

3. Component wise approved expenditure is annexed.

4. Pay & Accounts Officer (Ministry of Drinking Water & Sanitation) will be the Drawing & Disbursing Officer for this purpose. The amount of Rs.5,63,451/- will be sent by ECS to Indian Institute of Technology Guwahati, Assam through the following bank details furnished by IIT Guwahati,,Guwahati,(Assam)

Name of Bank : State Bank of India,
Branch: IIT Guwahati Branch.
A/C Name- IITG R&D Account.
Bank A/c No.: 10196461054.
Bank Branch Code:14262.
MICR No: 781002053
IFSC Code: SBIN0014262.

5. The above expenditure is debitable to the following budget head:

Demand No. 29 : Ministry of Drinking Water & Sanitation
Major Head 2215 : Water Supply and Sanitation
01 : Water Supply (Sub-major Head)
01.102 : Rural Water Supply Programme (Minor Head)
17 : National Rural Drinking Water Programme
17.01 : Research
17.01.50 : Other Charges (Plan) 2013-14

5. The Institute will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest thus earned should be reported to the Ministry of Drinking Water and Sanitation and should be reflected in the statement of expenditure. The interest thus earned will be treated as a credit to the institution to be adjusted towards further installment of the grant. Further, the R&D institution /organization will maintain separate sub-set of accounts for each project with regular bank reconciliation for calculation of interest earned and crediting it to the project account. The interest earned could be calculated based on the fund available, duration of funds availability and rate of interest being paid by the Bank. Institute should undertake to maintain the project specific sub-set of accounts and for credit of interest to the project account towards close of the financial year or towards settlement of final accounts

6. The accounts of the grantee institution or organization shall be open to inspection by Internal Audit of the Principal Accounts Office functioning under Chief Controller of Accounts of this Ministry, in terms of Rule 211(i) of GFR, 2005.

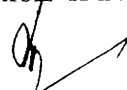
7. The sanction is issued under the delegated powers in consultation with the Integrated Finance Division vide their U.O.No.123/DW&S-IFD/2013-14 dated 3.10.2013.

एम एम सिंह M. M. SINGH
निदेशक Director
पेयजल और स्वच्छता मंत्रालय
Ministry of Drinking Water & Sanitation
Director (R&D)
Govt. of India, New Delhi
Tele: 24364518

The Pay & Accounts Officer,
Ministry of DW&S, 6th Floor, Block No.11,
CGO Complex, Lodhi Road, New Delhi -110003.

Copy to

1. DDO, Cash Section, Ministry of Drinking Water and Sanitation, 8th Floor, Paryavaran Bhawan CGO Complex, Lodi Road, New Delhi 110003 (with two copies of the sanction order for necessary action).
2. Prof. D. Chakraborty, Prof. of ME & Dean, Research & Development, IIT, Guwahati - 781039
3. Dr. P.K.Ghosh, Associate Professor, Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati, Assam 781039.
4. The Principal Director of Audit, F & S Ministries, AGCR Building, IP Estate, New Delhi.
5. PS to MoS (I/C), Ministry of Drinking Water & Sanitation, Krishi Bhavan, New Delhi.
6. Sr.PPS to Secretary(DWS)/PS to JS(Water), Director (Water)/ Addl. Adviser/ Dy. Adviser(DR)/ Director(Finance),/ TD(NIC)/ B&A Section/ IFD/ Guard File.


(M.M. Singh)
एम.एम. सिंह / M. M. SINGH
Director (R&D)
रेसर्च और डेवलपमेंट डायरेक्टर
Tel: 011-23364918
Ministry of Drinking Water & Sanitation
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

File No.W-11017/44/2011-WQ
Government of India
Ministry of Drinking Water & Sanitation
(Water Quality Section)

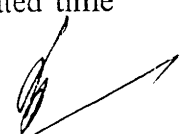
9th Floor, Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi – 110 003

Dated the 11th December, 2013.

Subject: Technical Sanction for grants-in-aid to Indian Institute of Technology Guwahati, Guwahati (Assam) towards Research Project titled “Development of Bioreactor system for simultaneous removal of multi-pollutants such as iron, nitrate, arsenic and fluoride from ground water”.

The sanction of the competent authority is hereby conveyed for the research project entitled “Development of Bioreactor system for simultaneous removal of multi-pollutants such as iron, nitrate, arsenic and fluoride from ground water”,

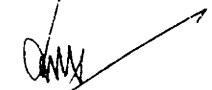
2. The above sanction is subject to the terms and conditions as mentioned in Annex I. The details of approved cost and mode of release of installments are given in Annex II.
3. It may be ensured that the project is completed within the stipulated time and within the sanctioned amount.


(M.M. Singh)
Director (R&D)
Tele: 24364518

Prof. D.Chakraborty, Prof. of ME and Dean,
Research & Development,
Indian Institute of Technology, Guwahati,
Guwahati-781039.(Assam)

Copy to:

1. The PAO.Ministry of Drinking Water & Sanitation, 11 Block, CGO, Complex, New Delhi.
2. The Principal Director of Audit, E&S Ministries, AGCR Building, I.P.Estate, New Delhi.
3. Dr. P.K. Ghosh, Associate Professor, Deptt. of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati -781039.
4. P.S. to MoS.(I/C), MDWS/Sr.PPS to Secretary/PPS to AS&FA/ PS to J.S(W), Addl.Adviser(PHE)/Director(W)/Dy.Adviser(DR)/DS(Fin)/T.D.(NIC)/B&A Section IFD/Guard File.


(M.M. Singh)
Director(R&D)

Government of India
Ministry of Drinking Water and Sanitation

Terms & Conditions for the Grant-in-aid to be used for the Research Project entitled "Development of Bioreactor system for simultaneous removal of multi-pollutants such as iron, nitrate, arsenic and fluoride from ground water"

1. Approval of the proposal and grant being released is for specific project and the grant is required to be spent for the project within the stipulated time. The organization is not permitted to seek or utilize funds from any other organization (Government, Semi-Government, Autonomous or private) for the project entitled "Development of Bioreactor system for simultaneous removal of multi-pollutants such as iron, nitrate, arsenic and fluoride from ground water". Any portion of the amount sanctioned which is not utilized would be required to be surrendered to the Government of India and its carry forward to the next financial year may be considered with the specific approval of this Ministry.
2. For permanent, semi-permanent assets acquired solely or mainly out of the grant, an audited record in the form of register is required to be maintained. The term "assets" here means (i) immovable property and (ii) movable property of a capital nature where the value exceeds Rs.1000/-. The grant will not be utilized for construction of any building. Full facilities by way of accommodation etc. for the project will be provided by the organization, which has endorsed the project proposal.
3. All the equipment(s) and prototype (s) acquired from the grant will be the property of Government of India and should not, without the prior sanction of this Ministry, be disposed of or encumbered or utilized for purpose other than those for which the grant has been sanctioned.
4. The achievements made during the course of the project will be photographically covered from time to time and a copy of each such photographs and interim progress report will be sent to this Ministry for information and record. The expenditure on this account will be charged to project under Head "Contingencies".
5. The organization will arrange to display a Notice Board at a prominent place at the project site to the effect that the project has been financially supported by Government of India, Ministry of Drinking Water and Sanitation, New Delhi.
6. The organization shall ensure that the time schedule laid down for the execution of the project is strictly followed.
7. Upon conclusion of the project, the Government of India will be free to sell or otherwise dispose of assets which are the property of the Government. The organization shall render to the Government necessary facilities for arranging the sale of these assets. The Government of India has the discretion to gift some of these to the organization, if it considers it appropriate.
8. The organization will be required to furnish progress report at the end of the current financial year and thereafter at the interval of six months on the progress made

on all aspects of the project including expenditure incurred on various approved items during the period. This is further explained later.

9. The organization is required to submit to this Ministry, at the end of financial year as well as at the time of seeking further installments of the grant, a list of assets referred to in (2) above.

10. The organization would render to this Ministry an audited statement of accounts including comments of the Auditor(s) regarding the observance of the condition governing the grant within six months following the end of each financial year.

11. The Comptroller & Auditor General or any other Agency/officer(s) authorized by this Ministry will have the right of access to the books and accounts of the organization for grant received from this Ministry.

12. The organization would maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, the interest thus earned should be reported to this Ministry. The interest thus earned will be treated as a credit to the organization to be adjusted towards further installments of the grant.

13. The R&D Institution/Organization will maintain separate sub-set of accounts for each project with regular bank reconciliation for calculation of interest earned and crediting it to the project account. The interest earned could be calculated based on the fund available, duration of funds availability and rate of interest being paid by the Bank. Institute should undertake to maintain the project specific sub-set of accounts and for credit of interest to the project account towards close of the financial year towards settlement of final accounts.

14. Sale proceed, if any, of the contents, prototypes, pilot plant etc., fabricated as a result of the development of the project arising directly from funds granted by this Ministry shall be remitted to the Government of India. The Government of India may, at its discretion, allow a portion of such receipts to be retained by the organization.

15. The know-how generated from the project would be the property of the Government of India and any receipts by way of sale of know-how, royalties, etc. shall accrue to the Government of India. The GOI may, at its discretion, allow a portion of such receipts to be retained by the organization.

16. The Government of India, Ministry of Drinking Water and Sanitation, New Delhi will have the right to call for drawings, specifications and other data necessary to enable the transfer of know-how to other parties and the organization at the request of this Ministry.

17. The project will be deemed to have started from the day in which the first installment grant is received by the institute/organization and will be deemed to be completed: the day completion report is received by the Ministry of Drinking Water & Sanitation.

18. Half yearly progress reports will have to be submitted to this Ministry and this may be followed by personal visits and discussions between the officials of this Ministry

and the concerned Investigator/Head of the Institute/organization. Grant for the second year/second installment will be provided only after audited expenditure statement and satisfactory completion report of the past years work are received by this Ministry. Proformas for submitting of Utilization Certificates (UCs) and Audited Statement of Accounts (ASA) are annexed

19. Mid-term evaluation of the on-going Research Project will be organized by this Ministry.

20. Once a Research Project is completed, the Principal Investigator/Head of the Institute/Organization has to do the following things:-

- i) Send the statement of closure along with the audited statement of expenditure incurred.
- ii) Twenty copies of completion report along with the copies of publication/patents made out of the projects.
- iii) Twenty copies of Executive Summary of the project highlighting the salient findings (not more than 4 typed/written A4 size pages double spacing typed on one side).
- iv) Two thousand (2000) copies of printed brochures highlighting objective, methodology, findings etc. in a common man's language as an extension material, meant for distribution to the user departments, other scientific organizations and to the interested persons in various walks of office.

21. In case Principal Investigator is not in a position to carry out the execution of the R&D project, then IIT, Guwahati will solely be responsible for completion of the project as per undertaking furnished by IIT Guwahati.

22. The organization will not entrust the implementation of the work for which grant is being sanctioned, to another institution and to divert the grant receipts as assistance to the latter institution. In case organization itself is not in a position to execute or complete the project, it may be required to refund forthwith to the Government of India through this Ministry the entire amount of grants-in-aid received by it. In exceptional cases, this condition may be relaxed by the Government of India.

23. Fund Release Mode will be as follows:

- First Installment of 40% (at the time of Sanctioning the project).
- Second Installment of 40% (After Successful completion of first year's work).
- Third Installment of 20% (After Successful completion of the project).

24. The staff that may be employed for the project by the organization are not employees of the Government of India and the employment terms and termination of the project staff will be the sole responsibility of the organization. Government of India will not bear any responsibility or liability on this count

25. All the material/documents mentioned above need to be sent to the Joint Secretary, Ministry of Drinking Water and Sanitation, Government of India.

Ministry of Drinking Water and Sanitation

Approved Cost and Mode of release of Fund

1. Name of the Project – “Development of Bioreactor system for simultaneous removal of multi-pollutants such as iron, nitrate, arsenic and fluoride from ground water”.
2. Approved duration – Three years.
3. Name of the Agency/Institute to whom fund will be released – Indian Institute of Technology Guwahati, Guwahati-781039 (Assam).
4. Approved Budget with comments, if any – Rs. 14,08,628/-(Rupees Fourteen lakh eight thousand six hundred twenty eight only).
5. Fund Release Mode:
 - First Installment of 40% (at the time of Sanctioning the project) – Rs.5,63,451/- lakhs (Rupees Five lakh sixty three thousand four hundred fifty one) only.
 - Second Installment of 40% (After Successful completion of first year’s work): Rs.5,63,451/-(Rupees Five lakh sixty three thousand four hundred fifty one) only.
 - Third Installment of 20% (After Successful completion of the project) - Rs.2,81,726/- (Rupees Two lakh eighty one thousand seven hundred twenty six) only.

NOTE: Release of second and subsequent installments will be subject to the conditions indicated in Annex - I
