

File No. W.11017/32/2011-WQ  
Government of India  
Ministry of Drinking Water & Sanitation  
(Water Quality)

9<sup>th</sup> Floor, Paryavaran Bhawan,  
CGO Complex, Lodi Road,  
New Delhi 110003.  
Dated the 18<sup>th</sup> December, 2013.

**SANCTION ORDER No. 32**

Subject:- Release of funds to Indian Institute of Science, Bangalore towards the research project – “ Remediation of Chromium contaminated ground water using ferro-particles based technology” – Regarding.

Sanction of the President of India is hereby conveyed for the release of an amount of Rs. 5,67,724 - (**Rupees Five lakh sixty seven thousand seven Thousand twenty four only** ) as 2nd installment of total project cost of Rs.14,58,000/- (Rupees Fourteen lakh fifty eight thousand only) to Indian Institute of Science, Bangalore with the total project duration of two and half years for Research Project entitled “ **Remediation of Chromium contaminated ground water using ferro-particles based technology**”. **Dr. Sudhakar M Rao, Professor, Department of Civil Engineering , Indian Institute Science, Bangalore** 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.11017/32/2011-WQ dated 29.3.2012.

3. Pay & Accounts Officer (Ministry of Drinking Water & Sanitation) will be the Drawing & Disbursing Officer for this purpose. The amount of Rs.5,67,724/- (Rupees Five lakh sixty seven thousand seven hundred twenty four only ) will be sent by ECS to Indian Institute of Science, Bangalore through the following bank details furnished by Indian Institute of Science, Bangalore.

Name of the Account holder:  
& Address

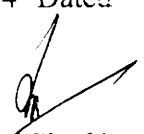
Financial Controller/Registrar,  
Indian Institute of Science, Bangalore.

Name of Bank : State Bank of India,  
Branch: Indian Institute of Science, Bangalore-560012  
Bank A/c No.: 10270575317.  
MICR No: 560002020  
IFSC Code: SBIN0002215.

4. The above expenditure is debit able 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

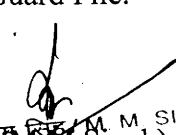
5. The terms and conditions of execution of R & D project communicated at the time of release of first installment of funds vide this Ministry's letter of even number dated 29/3/2012 are reiterated, a copy of which is enclosed.
6. The accounts of the grantee institution or organization shall be open 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.122/DW&S-IFD/2013-14 Dated 3.10.2013.

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

The Pay & Accounts Officer,  
Ministry of Drinking Water & Sanitation, 8<sup>th</sup> Floor, Paryavaran Bhawan  
CGO Complex, Lodi Road, New Delhi 110003.

Copy to:-

1. Prof. Sudhakar M Rao, Deptt. of Civil Engineering, Indian Institute of Science, Bangalore-560012.
2. Director, Indian Institute of Science, Bangalore-560012.
3. The Principal Director of Audit, E & S Ministries, AGCR Building, IP Estate, New Delhi.
4. PS to MoS (I/C), Ministry of Drinking Water & Sanitation, Krishi Bhavan, New Delhi.
5. Sr.PPS to Secretary (DWS)/PS to JS(Water), Director (Water)/Addl. Adviser/Dy.Adviser(DR)/Dir(Finance),/TD(NIC) / B&A Section/ IFD/Guard File.

  
एम एम सिंग (M. M. SINGH)  
देशिक (R&D) मंत्रालय  
Ministry of Drinking Water & Sanitation  
भारत सरकार, नई दिल्ली  
Govt. of India, New Delhi

W.11017/32/2011- R&D/WQ  
Government of India  
Ministry of Drinking Water & Sanitation

9<sup>th</sup> Floor, Paryavaran Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi – 110003.  
Dated 25<sup>th</sup> March, 2012.

**SANCTION ORDER (S.NO.22)**

Subject:- Rajiv Gandhi National Drinking Water Mission – Release of funds to Indian Institute of Science, Bangalore towards the research project entitled "Remediation of Chromium contaminated groundwater using ferro-particles based technology"

The sanction of the competent authority is hereby conveyed for the release of an amount of Rs.5,83,200/- (Rupees five lakh eighty three thousand and two hundred only) as the first installment, i.e. 40% of the total cost of Rs.14,58,000/- (Rupees fourteen lakh and fifty eight thousand only) to Indian Institute of Science, Bangalore, with project duration of two and half years for the Research Project entitled "Remediation of Chromium contaminated groundwater using ferro-particles based technology"

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 will be sent to this Ministry regularly.
- (iii) The PI has to give an undertaking, latest by 30<sup>th</sup> April, 2012, regarding Original Work as communicated to him vide this Ministry's letter of even number dated 14<sup>th</sup> March, 2012.
- (iv) The parent institute, in this case the Indian Institute of Science, Bangalore, is to give an assurance latest by 15<sup>th</sup> May, 2012 to the effect that it would ensure completion of the project through another P.I. in the event of the P.I. leaving his position or being unable to complete the project without any increase in the approved cost, as communicated to the PI vide this Ministry's letter of even number dated 14<sup>th</sup> March, 2012.
- (v) In accordance with the guidelines, a separate bank account is to be opened for each project. In case bank account given in para 3 below is not the one specifically opened for the sanctioned project then the institution shall open a separate bank account for the project as early as possible and in any case not later than 31<sup>st</sup> May, 2012, and report details of the same to this Ministry.
- (vi) The Utilization Certificate/Audited Statement of Accounts may be sent to the Ministry as soon as these become due.
- (vii) 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 technical sanction being issued simultaneously.

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o/c

3. Pay & Accounts Officer (Ministry of Drinking Water & Sanitation) will be the Drawing and Disbursing Officer for this purpose. The amount of Rs.5,83,200/- (Rupees five lakh eighty three thousand and two hundred only) will be sent by ECS to Indian Institute of Science, Bangalore, through the following bank details furnished by them:

Name of the Account holder: & Address	Financial Controller/Registrar, Indian Institute of Science, Bangalore - 560012.
Name of Bank	State Bank of India
Name of the Branch	Indian Institute of Science, Bangalore - 560 012.
Bank Account Number	10270575317
Branch Code	02215
MICR Code	560002020
IFS Code	SBIN0002215
SWIFT Code	SBININBB425

4. The above expenditure is debit to the following budget head:

Demand No. 84	Department of Drinking Water & Sanitation
Major Head 2215	Water Supply & Sanitation
01	Water Supply (Sub-Major Head)
01.102	Rural Water Supply Programme(Minor Head)
17.01	Research
17.01.50	Other Charges
	2011-12 (Plan)

5. The sanction is issued under the delegated powers in consultation with the Integrated Finance Division vide their U.O. 2143/IFD (DWS)/2011, dt.27.3.2012.

  
(P.P. Nagrath)  
Deputy Secretary to the Government of India

To  
The Pay & Accounts Officer,  
Ministry of Drinking Water & Sanitation,  
11- Block, 6<sup>th</sup> Floor, CGO Complex, Lodhi Road, New Delhi.

Copy to:-

1. Prof. Sudhakar, M. Rao, Department of Civil Engineering, Indian Institute of Science, Bangalore – 560 012.
2. Register, Indian Institute of Science, Bangalore – 560 012.
3. The Principal Director of Audit, E&S Ministries, AGCR Building, IP Estate, New Delhi
4. PS to MRD/PS to MOS(RD)
5. Sr. PPS to Secretary(DWS)/PS to JS(Water),IFD/PIB/TD(NIC)/Guard file.

(P.P. Nagrath)  
Deputy Secretary to the Government of India

W- 11017/32/2011-WQ (R&D)-TS  
Government of India  
Ministry of Drinking Water and Sanitation

9<sup>th</sup> Floor, Paryavaran Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi- 110 003  
Dated : 29. 03 . 2012

Subject:- Technical sanction for grants-in-aid to Indian Institute of Science, Bangalore, towards the research project – "Remediation of Chromium contaminated groundwater using ferro- particles based technology" during the year 2011-12 (Plan).

The sanction of the competent authority is hereby conveyed for the research project entitled "Remediation of Chromium contaminated groundwater using ferro-particles based technology".

2. The above sanction is subject to the terms and conditions as mentioned in Annexure I. The details of approved cost and mode of release of installments are given in Annexure II.

3. This may be ensured that the project is completed within the stipulated time and within the sanctioned amount.

*P.P.Nagrath*  
29/3/12  
(P.P.Nagrath)  
Deputy Secretary to the Government of India  
o/c  
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Deputy Secretary to the Government of India

Prof. Sudhakar. M. Rao,  
Professor, Department of Civil Engineering,  
Indian Institute Of Science,  
Bangalore- 560 012.

**Copy to:**

1. The PAO, Ministry of Drinking Water and Sanitation, 6<sup>th</sup> Floor, 11<sup>th</sup> Block, CGO Complex, New Delhi.
2. The Principal Director of Audit, E & S Ministries, AGCR Building, I.P Estate, New Delhi.
3. P.S to MRD/PS to MOS (RD).
4. Sr. P.P.S to Secretary (DWS)/ P.S to JS (VB), Addl. Adviser/ Director (CRSP), Director (Water), B&A Section/ IFD/ PIB/ T.D (NIC)/ Guard File.

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Government of India  
Ministry of Drinking Water and Sanitation

**Terms & Conditions for the Grants-in-aid to be used for the Research Project entitled "Remediation of Chromium contaminated groundwater using ferro- particles based technology".**

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 "Remediation of Chromium contaminated groundwater using ferro- particles based technology". Any portion of the amount sanctioned which is not utilized would be required to be surrendered to the Government of India, and 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 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 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 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. At the 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 assets to the organizations, 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. 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.
14. 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.
15. The GOI in the RGNDWM, 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.
16. R&D grant from RGNDWM received by any institution/organization requires opening of separate bank account. This needs to be adhered to. If not, permission from Ministry of Drinking Water and Sanitation could be sought officially by PI for waiver.
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 RGNDWM Headquarters.
18. Half yearly progress report will have to be submitted to this Ministry and this will 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 will be provided only after audited expenditure statement and satisfactory completion report of the past years work are received by this Ministry.

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

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

- 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 publications/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 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 life .

21. The organization may 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.

22. The staff employed for the project by the organization are not employees of the Government of India and the employment. Terms of employment and termination of the project staff will be the sole responsibility of the organizations. Government of India will not bear any responsibility of liability on this count.

23. All the materials mentioned above need to be sent to the Joint Secretary, Ministry of Drinking Water and Sanitation, Government of India.

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**Approved Cost and Mode of Release of Fund**

1. Name of the Project - "Remediation of Chromium contaminated groundwater using ferro- particles based technology".
2. Approved duration -Two and a half years.
3. Name of the Agency/Institute to whom fund will be released - Indian Institute of Science, Bangalore .
4. Approved Budget with comments, if any - Rs. 14,58, 000/.
5. Fund Release Mode:
  - First Installment(at the time of Sanctioning the project) - Rs.5,83,200 /-
  - Second Installment (After Successful completion of one years work) : Rs. 5,83,200/-
  - Third Installment (After Successful completion of the project ) - Rs. 2,91,600/-

**NOTE :** Release of second and subsequent installments will be subjected to the rules as indicated in Annex-1.

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