

F. No. J-12011/33 (4)/2011-NRCD (P-I)
Government of India
Ministry of Environment & Forests
National River Conservation Directorate

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Paryavaran Bhawan, CGO Complex
Lodi Road, New Delhi-3
Dated: 24.3.2011

To,

The Pay & Accounts Officer
Ministry of Environment & Forests
CGO Complex, Lodi Road,
New Delhi -3

Sub: **Administrative Approval and Expenditure Sanction (AA&ES) for R&D project 'Elimination of Escherichia coli and other fecal coliform bacteria through bacteriophages from River Ganga and tributaries' under NGRBA, and Release of Grants-in-Aid of Rs.7.70 crores (Rupees Seven crores and seventy lakhs only) – reg.**

Ref: R&D Proposal on 'Elimination of E coli and other fecal coliform bacteria through bacteriophages and antagonists bacteria from River Ganga and tributaries' under NGRBA, dated 4th February, 2011

Sir,

In consideration of the proposal cited as above, I am directed to convey administrative approval and expenditure sanction (AA&ES) of the President for R&D project '**Elimination of E coli and other fecal coliform bacteria through bacteriophages and antagonists from River Ganga and tributaries**' under NGRBA, to be implemented by Central Pollution Control Board (CPCB), Delhi at a total cost of Rs.15.70 crores (Rupees Fifteen crores and Seventy lakhs only). The breakup of cost estimates is at Annexure.

2. Sanction of the president is also conveyed for payment of Grants-in-aid of Rs.7.70 crores (Rupees Seven crores and seventy lakhs only) to CPCB, Delhi, as 1st instalment/mobilization advance, during FY 2010-11.
3. The fund release amounting to Rs.7.70 crores (Rupees Seven crores and seventy lakhs only) is to be exclusively used for the project mentioned above and will not be diverted for any other works. The interest earned on the funds released for the project shall be credited to the project.
4. The Administrative Approval & Expenditure (AA&ES) shall be subject to the following conditions:-
 - (i) The financial liability of Central Government shall be limited to Rs.15.70 crore for a period of 18 months,
 - (ii) Expenditure on project staffing for 12 months at five centers, shall be incurred only in accordance with DST guidelines and expenditure, on the data entry work shall be outsourced,
 - (iii) Experiments and demonstration shall be conducted on STPs (located along the river Ganga) and drains joining the river, in States namely, Uttarakhand, UP, Bihar, West Bengal and in Delhi (Central facility),
 - (iv) CPCB will organize training programmes at five centres for Urban Local Bodies, Research students, NGOs and Private Entrepreneurs, to popularize the implementation of such study. To evolve code of practice, a national workshop on application of Bacteriophages will also be organized,

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(v) Since the proposed project is based on the international patent, CPCB shall have Rights reserved to its credit for implementation of the project, considering national benefits. CPCB would however, may charge appropriately to the Private Firms for transfer of 'know-how' for wider application.

(vi) To assess regular progress of the project and to evaluate the research findings, a Monitoring Committee representing from NEERI, DBT, DST, IGIB and MoEF will be constituted. During the project, expertise of reputed Micro Biologist and Bio-Technologist will be taken,

(vii) Schedule for execution of the project will include, procurement of instruments and glass wares and chemicals within three months from the receipt of first installment, experimentation on mass culture and dosing followed by performance monitoring studies and organizing training & awareness programmes at each center,

4.1 Miscellaneous:

Any staff that may be employed for preparation, execution or operation of the project by the implementing agency are not to be treated as employees of the Government of India. They shall be governed solely by the rules of the grantee with respect to all matters including terms and tenure of service. The deployment of such staff at the time of completion or termination of the project will not be the concern or responsibility of the Government of India.

5. The drawn by Drawing and Disbursing Officer, National River Conservation Directorate, Ministry of Environment and Forests is hereby authorized to prepare and submit bill for final payment of Rs.7.70 crores (Rupees Seven crores and seventy lakhs only) to the Pay and Accounts Officer, Ministry of Environment and Forests, New Delhi, who will direct Union Bank of India, Sunder Nagar, New Delhi to make payment electronically i.e. through CBS/RTGS to Central Pollution Control Board, Delhi, whose bank details are given below:

Name of Implementing Agency /PI	Addresses of Implementing Agency	Name of Bank where Account of Agency held	Name & Complete Address of the Bank Branch	MICR Code & IFSC Code	Type of Account	Account No.
Central Pollution Control Board	Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-32	Union Bank of India I.P. Extn. Hargobing Enclave (Off. Sahnti Mukund Hospital) Delhi-110092	#16, Guru Hargobing Enclave I.P. Extn. Karkadooma, Vikas Marg, Delhi-110092	MICR-110026069 IFSC-UBIN0553271	Current A/c	532701010034298

6. The expenditure is debit able to Grant No.30, Ministry of Environment & Forests, Major Head '3435.04.101.06.03.31' - 'General' under National Ganga River Basin Authority (NGRBA) for Ministry of Environment & Forests for the financial year 2010-2011 (Plan).

7. This issues under the powers delegated to the Ministry of Environment & Forests and with the approval of Secretary (E&F), as well as with the concurrence of IFD vide their Dy. No.680 dated 18.3.2011 & 21.3.2011

AS/PP/

Yours faithfully

(C. Uppili) 24/3/2011

Under Secretary to the Govt. of India

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Copy forwarded for information & necessary action to:

1. DDO (NRCD)-2 copies,
2. Jt. Director of Audit, Commercial Scientific & Misc. Works, AGCR Building, I.P. Estate, New Delhi,
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-32,
- ✓ 4. Dr. A. B. Akolkar, Director, CPCB, Parivesh Bhawan, East Arjun Nagar, Delhi-32,
5. JS (RG)/Dir (IFD)/Dir (D)/Dir (KCR)/US (P),
6. Sanction Folder/Guard file,
7. Computer Room,

(C.Uppili)

Under Secretary to the Govt. of India

Cost Estimates for R&D project 'Elimination of Escherichia coli and other fecal coliform bacteria through bacteriophages from River Ganga and tributaries' under NGRBA

S. No.	Item	Unit cost (in Rs.crore)	Total cost for 5 centres (in Rs.crore)
1.	Instrumentation		
(i)	High speed refrigerated centrifuge	0.20	1.00
(ii)	Incubator shaker	0.20	1.00
(iii)	Laminar flow	0.08	0.40
(iv)	Autoclave	0.02	0.10
(v)	Filtration assembly	0.10	0.50
(vi)	Fermentor (20 l)	0.60	3.00
	Subtotal	1.20	6.00
2.	Preparation for mass culture		
	Glassware, Chemicals, Media, Broth and Lyophilisation charges	0.60	3.00
3.	Project staffing		0.852
4.	Field studies and Experimentation (Setting up of dosing devices to include embedded filters, blocks, distributing arms, dosing pumps, weir devices etc)	Lump sum (Rs.1.00 crore per centre)	5.00
	Total		14.852
5.	Contingencies and Institutional Charges, Training programmes, Travel charges	Lump sum	0.90
	Grand total		15.752 (Rs.15.70 crore)

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