

No.F. 28-18/2003.TS.V
Government of India
Ministry of Human Resource Development
Department of Secondary & Higher Education

New Delhi, dated 14.1.2004

To

The Accounts Officer,
Pay & Accounts Office
Department of Secondary & Higher Education,
Shastri Bhavan, New Delhi

Subject:- Scheme of Modernisation and Removal of Obsolescence – sanction of grant-in-aid during 2003-04 (Plan) - regarding.

I am directed to convey the sanction of the President of India for the payment of Rs. 12,67,00,000.00 (Rupees Twelve Crore Sixty Seven Lakhs Only) during the current financial year i.e.2003-04 to the following centrally funded technical institutes as grant-in-aid for the projects as approved by the National Experts Committee constituted by the Ministry:

Sl.No.	Name of Institute/ Title of Project	Name of Project Coordinator	Amount (Rs. in Lakhs)
Indian Institute of Technology, New Delhi			
1	Modernisation of Computational Fluid Dynamics (CFD) Lab	Dr. Rattan Mohan	18
2	Modernisation of Textile Chemistry Lab	Dr. Deepti Gupta	20
3	Modernisation of Power Electronic Lab	Dr. M. Veerachary	15
4	Modernisation of Signal Processing Facilities in the Communications Lab	Dr. Shankar Prakriya	10
5	Modernisation of Characterisation Facilities at Low Temperature	Dr. Sujeet Chaudhury	20
6	Laboratory Modernisation in Photonics and Optical Communication	Prof. Arun Kumar	20
Sub-Total			103
Indian Institute of Technology, Mumbai			
1	Upgradation of SEM Lab with PC-EDS	Dr. S.C. Patel	18
2	Modernisation of Control Systems Lab	Prof. V.R. Suje	10
3	Upgradation of Central Workshop facilities for the undergraduate practicals	Prof. M. Ramakrishnan	20
4	Modernisation of Propulsion Lab	Prof. Bhaskar Roy	19
5	Modernisation of Strength of Materials lab	Prof. S.K. Majhi	33
6	Modernisation of Optical Microstructural Characterisation Lab	Prof. Nithyananda Prabhu	20
7	Modernization of Energy Systems Lab	Prof. Santanu Bandyopadhyay	20
8	Modernisation of Undergraduate Teaching Lab	Prof. M.K. Mishra	20
9	Modernisation of the Atomic and Molecular Spectroscopy Teaching Lab	Prof. T. Kundu	19

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Sub-Total 179

Indian Institute of Technology, Kanpur

1	Modernisation of Sedimentological Research Facility	Dr. R. Sinha	15
2	Laboratory for Chemical Process Synthesis, Design and Plant-wide Control	Dr. Nitin Kaistha	20
5	Modernisation of UG Laboratories of Aerospace Engg.	Prof. R.K. Sullerey	20
4	Modernisation of Experiments in Mech. Engg.	Dr. N.N. Kishore	34
5	Modernisation and Removal of Obsolescence of Central Physical Metallurgy/Mellography Lab	Dr. M.N. Mungole	25
6	Spectroscopic Studies of Inorganic, Organic, Organometallic and biological Molecules and Materials in the Near and Far I R Region	Dr. J.K. Bera	20

Sub-Total 134

Indian Institute of Technology, Kharagpur

1	Expansion of Instructional Planning Informatics Lab	Dr. Arif N. Merchant	17
2	Modernization and up gradation of Cell & Molecular Biology Lab.	Dr. S.C. Kundu	20
3	Modernization of Relay Lab	Dr. Ashok Kr. Pradhan	10
4	Modernization of Library Management System Using Radio Frequency Identification (RFID) Technology	Prof. Pratap. K.J. Mohapatra	20
5	Removal of Obsolescence and Modernisation of the Refrigeration and Air Conditioning Lab	Dr. M. Ram Gopal	20
6	Replacement for a high temperature furnace (3000 °C), procured under Indo-US Technology Cooperation in early 1970s	Prof. M.M. Godkhindi	20
7	Development of Mining Machinery Lab	Dr. K. Pathak	20

Sub-Total 127

Indian Institute of Technology, Chennai

1	Modernisation of Soil Dynamics and Earthquake Geotechnics Lab	Dr. A. Boominathan	25
2	Modern wireless and security systems for the department computing facility	Dr. V. Kamakoti	15
3	Facilities for Advanced Optical Diagnostics and Digital Image Processing of Fluid Flow and Combustion	Dr. S.R. Chakravarthy	17
4	Modernisation of Testing and Calibration Laboratories at Central Electronics Centre	Dr. M. Kumaravel	15
5	Modernisation of Laboratories for the M.Sc. Chemistry Programme	Dr. S. Vancheesan	20

Sub-Total 92

Indian Institute of Management, Bangalore

1	Upgradation of Computer facilities and e-resources in Library	Sh. Chikkamallajiah	20
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Sub-Total 20

Indian Institute of Management, Lucknow

Setting up of cyber lab and its augmentation at

Dr. Roshan Lal Raina 15

Sub-Total 15

Indian Institute of Management, Kozhikode

Augmenting Campus LAN with Wireless Connectivity for Sh. Ashok Pathak 15
Initiating Projects in Mobile Systems

Sub-Total 15

Indian Institute of Management, Indore

1 Automation of IIMI Library Sh. Antony Jose 16
2 Electronic Surveillance-Cum - Monitoring System Sh. Antony Jose 18

Sub-Total 34

Indian Institute of Information Technology & Management, Gwalior

1 Development of concept, curriculum and learning material for Dr. Dipali Singh 14
II Enabled Services Management

Sub-Total 14

Indian Institute of Science, Bangalore

1 Upgradation of Experimental Facilities in Geotechnical, Water Prof. B.K. Raghu Prasad 21
Resources and Structural Engineering Laboratories
2 Computer Aided Systems Lab for Teaching and Training Dr. Jayant M. Modak 13
3 MODROB at Electronic Enterprises Lab for Supporting Research Dr. Y. Narahari 10
on E-Commerce and E-Business Optimisation Algorithms
4 Modernisation of Turbo Machinery Lab Dr. R.N. Govardhan 18
5 Computer Aided Prototyping of Large Models Prof. Dibakar Sen 23
6 Friction and its relation to 3-D parameters of surfaces Dr. Sathish V. Kailash 35
7 Development of a modern, state-of-the-art Metallography Lab Prof. T.A. Abhinandanan 15
8 Molecular Biology and Immunology of Microbial Pathogens Prof. R. Nayak 20

Sub-Total 155

Indian School of Mines, Dhanbad

1 Modernisation of Geostatistics Laboratory for Advanced Dr. Bhabesh Chandra Sarkar 14
Geoinformation Modeling Studies
2 Modernisation of Communication Lab Dr. (Smt) Debjani Mitra 10
3 Development of Advanced RF Systems Lab Dr. Amitabha Bhattacharya 15
4 Modernisation of Chemistry Lab Dr. N.M. Mishra 35

Sub-Total 74

Sant Longowal Institute of Engineering & Technology, Longowal

1 Infrastructure Development and Augmentation of Molecular Dr. M.B. Bera 20
biology and Biotechnology Lab
2 Modernisation of Chemical Recovery and Environment Lab Sh. Sushil Kr. Kansal 8
3 Upgradation of Existing Biomedical Instrumentation Lab for Sh. Sunil Kumar Soni 10
Teaching and Research

✓ 1	Upgradation of Existing Process Control Lab for Teaching and Research	Sh. Praveen Kumar	10
✓ 3	Modernisation of Existing Instrumentation Project Lab for Teaching and Research	Sh. Asim Ali Khan	10
6	Modernisation and Upgradation of Microprocessor and Digital System Design Lab	Sh. Manjeet Singh	15
7	Modernisation of Refrigeration and Air-conditioning Lab	Sh. Raj Kumar	7
8	Modernisation of Fluid Mechanics Lab for Teaching, Research and Imparting Training to Rural Youth	Sh. Rajkumar Yadav	12
9	Upgradation of Metrology and Measurements Lab for Research and Training to students and industry people	Dr. Rajesh Kumar	10
10	Generation of vibration analysis facility in Material Testing Lab	Sh. H.S. Bains	13
11	Upgradation of Computer Aided Design and Manufacturing Lab for Research and Training to Industry People	Sh. Jatinder Madan	7
12	Advancement of Existing Facilities in Environment Lab to establish Environment Monitoring and Control Centre	Dr. (Ms.) Dhiraj Sud	15
13	Infrastructure Augmentation for Modernisation of Engg. Physics lab	Dr. A.S. Dhaliwal	9

Sub-Total 146

North Eastern Regional Institute of Science & Technology, Itanagar

1	Modernisation of Remote Sensing Laboratory for Remote Sensing Application in Forestry	Dr. G.S. Solanki	16
2	Modernisation of Soil Mechanics Laboratory by Procuring Advanced Equipment for Comprehensive Evaluation of Shear Strength Characteristics and Hydraulic Conductivity of Fine-grained Soils	Dr. Ashok Kr. Gupta	11
3	Modernisation of Irrigation and Drainage Engineering Lab	Dr. P.P. Dabral	10
4	Modernisation of Digital Signal Processing (DSP) Lab	Dr. Md. Anwar Husain	12
5	Upgradation of Fluid Power Lab	Sh. M. Chandrasekaran	10
6	Development of Robotics and Automation Laboratory	Sh. Sandeep Singh	5

Sub-Total 64

Indian Institute of Technology, Roorkee

1	Modernisation and Removal of Obsolescence of Civil Engineering Lab.	Dr. P.C. Jain	20
2	Modernisation and Strengthening of Hydrometeorological Lab.	Dr. D.C. Singhal	18
3	Modernisation of the Pollution Control Lab	Dr. B. Mohanty	12
4	Modernisation of Electrical Machine Lab	Dr. H.O. Gupta	18
5	Modernisation of Electronic Materials Lab	Prof. Ishwar Singh	18
6	Modernisation of Mechanical Engg. Lab	Dr. S.P. Nigam	9

Sub-Total 95

Total: 1267

2. The amount of grant-in aid shall be kept at the disposal of the Head of the Institute (as lumpsum amount), who shall formulate a scheme of modernisation of various departments of the Institute based on (i) what the department wishes to do, and (ii) what is already available in the sections of the departments of the Institute, departments of the Institute and the Institute as a whole and utilise the grants where necessary.

The grant-in-aid will be subject to the provisions of the General Financial Rules as amended from time to time and also subject to the instructions and orders issued by the Ministry of Finance from time to time in this behalf.

4. The grant is subject to adjustment on the basis of audited statement of accounts. Further, the accounts in so far as those relating to above grant, will be open for test check by the Comptroller & Auditor General of India or by any officer designated by him.

5. A certificate to the effect that the grant will be utilised for the purpose for which it was sanctioned, shall be sent by the grantee Institution to this Ministry along with a pre-stamped receipt duly signed on revenue stamp. The bill for release of grant will be presented only after the receipt of the advance stamped receipt along with the requisite certificate to the Ministry immediately to enable the Ministry to arrange for the payment.

6. The validity period is for two years (maximum). However, grant should be utilised within 18 months of the date of issue of this sanction order (i.e. procurement of equipment/books should be completed within 18 months).

7. The amount of grant shall be utilised only for the purpose for which it is sanctioned. No vehicle should be purchased out of these funds.

8. The amount sanctioned is only for non-recurring expenses. No portion of the sanctioned amount shall be diverted for any purpose other than for which it has been sanctioned, i.e. purchase of equipments and books but not for space development and vehicle.

9. The pattern of grant-in-aid has been approved by the Ministry of Finance. This sanction is being issued in conformity with the rules and principles of the scheme as approved by the Ministry of Finance.

10. In future, grants will be released to the Institutes only after they have satisfied the Ministry that adequate provision for representation for SCs /STs and OBCs has been made in their constitution and these are being followed in filling up vacancies reserved for SC/ST & OBC candidates every year.

11. The organisation shall fully implement the Official Language Policy of the Union Government i.e. the Organisation shall fully comply with the Official Language Act, 1963 and Official Languages Rules, 1976 etc.

12. The institutions shall fully implement the guidelines of the Supreme Court of India in the matter of prevention of ragging (Judgement in Writ Petition (Civil) No.656 of 1998).

13. The amount of grant-in-aid will be drawn by the Drawing and Disbursing Officer(Grant) for the purpose from the Accounts Officer, Pay and Accounts Office, Department of Secondary and Higher Education, New Delhi and remitted to the grantee through Draft/Cheque/ telegraphically transferred to the grantee's Bank Account as detailed in Annexure-1.

14. This sanction is being issued under the following head of account in Grant No.57-Department of Secondary & Higher Education:

Major Head "2203"

112 - Engineering, Technical Colleges & Institutes

14 - Direct Central Assistance to Central Institutions & Regional Engineering Colleges

14 02 - Modernisation & Removal of Obsolescence of Engineering Laboratories and Work Shops

14 02 31 - Grants-in-Aid (Plan) for the year 2003-04.

14. This sanction has been accorded in exercise of delegated powers to Ministries in consultation with the Integrated Finance Division and Internal Finance vide their Dy. 7832 (A) /2003/IFD dated 6.1.2004 and Dy No 122 -04-IF-I dated 14.1.2004 respectively.

... and conditions of the grant are at Annexure-II. While implementation should be as per the terms and conditions, ibid, and those in Annexure-II.

Yours faithfully

(Bharat Singh)
Under Secretary

Copy to:
The Drawing & Disbursing Officer(Grants), Ministry of Human Resource Development, Department of Secondary & Higher Education with two spare copies of the grant-in-aid bill and a requisition for transfer of the amount of Draft, duly filled in for necessary action.

(Bharat Singh)
Under Secretary

Copy also to:
Director, Indian Institute of Science, Bangalore- 560012.
The Director General of Audit, Central Revenues, AGCR Building, New Delhi.
IFD/IF-I/EC Unit.
Guard File

(Bharat Singh)
Under Secretary

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No.F.23-3/2004-TS.V
Government of India
Ministry of Human Resource Development
Department of Secondary & Higher Education
TS.V Section

New Delhi, May 19, 2004

To

The Director,
Sant Longowal Institute of Engineering & Technology,
Longowal.

Subject:- Recast project proposal - approval reg.

Sir,

I am directed to refer to your letter No.Dean(A)/1196 dated 27th April, 2004 on the above mentioned subject and to say that the following recast project proposals are acceptable to this Ministry for the amounts already approved and subject to the observations given below:-

1. Combinational Photochemical and Biological approach for complete mineralization of Pulp and Paper Mill effluents.
2. Low Power Application Specific Digital Signal processing on Reconfigurable Platform.
3. Development of EMG based multifunction prosthetic hand.
4. Instrumentation and Design of a frequency Domain/Diffuse Optical Tomography Imager for Breast Cancer Detection.
5. Development of Expert System for Identification of Neuromuscular Disorders Using EMG Signals.
6. Infrastructure Development & Augmentation of Molecular Biology & Biotechnology Laboratory
7. Modernisation of Chemical Recovery and Environment Lab.
8. Upgradation of Existing Bio-medical Instrumentation Lab. for Teaching and Research
9. Upgradation of Existing Process Control Lab. for Teaching and Research
10. Modernisation of Existing Instrumentation Project lab. for Teaching and Research
11. Modernisation and Upgradation of Microprocessor and Digital System Design Lab.
12. Modernisation of Refrigeration and Airconditioning Lab.

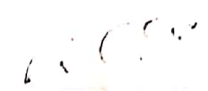
13. Modernisation of Fluid Mechanics Lab. for Teaching, Research and imparting training to Rural Youth
14. Upgradation of Metrology and Measurements Lab. for Research and Training to students and industry people
15. Generation of Vibration Analysis facility in Material Testing Lab.
16. Advancement of Existing Facilities in Environment Lab. to establish Environment Monitoring and Control Centres
17. Infrastructure Augmentation for Modernisation of Engineering Physics Lab.
- *18. Upgradation of Computer Aided Design and Manufacturing Lab. for Research and Training to Industry people.

Sl. No.5: Project is approved subject to the condition that the recurring expenditure should be restricted to Rs.3.00 lakhs instead of Rs.3.11 lakhs as mentioned in the recast project proposal. The error may be rectified and a modified project may be sent for our records.

Sl.No.18: Recast project proposal is yet to be received. The same may be sent to the Ministry immediately for approval.

You are requested to ensure completion of the project within the stipulated time and arrange to send half-yearly progress reports to this Ministry.

Yours faithfully,


(Bharat Singh)
Under Secretary(T)