

No. 3(4)/2014- PEGD
Government of India
Ministry of Communications & Information Technology
Department of Electronics & Information Technology
Electronics Niketan, 6, CGO Complex

New Delhi – 110 003

Dated: 29.5.2015

ADMINISTRATIVE APPROVAL

Sub: Setting up of “National Centre of Excellence in Technologies for Internal Security (NCETIS)” at IIT Bombay.

The undersigned is directed to convey the Administrative Approval of the Competent Authority for the project “National Centre of Excellence in Technology for Internal Security (NCETIS)” with a total outlay of Rs. 83,89,19,000 (Rupees Eight Three crore, Eighty Nine Lakhs and Nineteen Thousand only) to be implemented by IIT Bombay with the duration of five years and the Department of Electronics and Information Technology (DeitY) contribution is Rs. 83,89,19,000 (Rupees Eight Three crore, Eighty Nine Lakhs and Nineteen Thousand only) to be released as Grant-in-Aid from DeitY.

This issues with the approval of Hon’ble MC&IT vide Dairy No. 1097, dated 21.5.2015 and concurrence of JS & FA vide Dairy No. 3052275, dated 13.5.2015.


(Rajesh Suri)
Deputy Director

To,

1. Pay & Accounts Officer, Department of Electronics and Information Technology
2. Director, Office of the Director General of Audit, Post & Telecommunication, Sham Nath Marg, Civil Lines, Delhi – 110 054
3. Finance Division (DeitY), New Delhi
4. Drawing & Disbursal Officer (DeitY), New Delhi (2 copies)
5. Director, Indian Institute of Technology, Bombay, Mumbai
6. HOD(PEG)/Dir(Fin)/Dir(MSR), DeitY, New Delhi
7. Sanction file/Guard File

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(Rajesh Suri)
Deputy Director

ANNEXURE TO THE ADMINISTRATIVE APPROVAL No. 3(4)/2014 – PEGD, DATED 29.5.2015

1. NAME OF THE PROJECT: National Centre of Excellence in Technologies for Internal Security (NCETIS)

2. OBJECTIVES AND EXPECTED OUTCOME: The following are the objectives and expected outcome of the project.

- i. Setting up of NCETIS at IIT Bomaby
- ii. NCETIS would undertake research in technology innovation to address the challenges of homeland security in India
- iii. NCETIS will transform the research outcomes into prototypes and facilitate technology transfer for product development and engage with the Indian domestic industry at large from the technology inception stage and will facilitate technology transfer needed for product development and strategic needs.
- iv. NCETIS will provide technology appreciation education and training to police officers.
- v. NCETIS will serve as a resource centre for state police forces to help them with technology appreciation, technology selection, choice of products and technology roadmap advisory and will provide consultancy and advisory services.
- vi. Promotion of creating PCB Lab, for the production of prototype and Rapid Prototype and testing facility.
- vii. The focus area of research and the technology developments are:
 - a) Broad Band Communication System
 - b) Explosive Detectors for Landmines, Chemical and Biological Warfare
 - c) Ground Penetrating Radar (GPR) for Landmine Detection
 - d) Video Surveillance and Analytics
 - e) Unmanned Vehicles
 - f) Cyber and Data Security
 - g) Biometric Applications
 - h) Thermal Imaging

3. TOTAL OUTLAY: Rs. 83,89,19,000(Rupees Eight Three crore, Eighty Nine Lakhs and Nineteen Thousand only)

4. DURATION OF THE PROJECT: 5 Years

5. MODE AND EXTENT OF FUNDING: Deity Grant-In-Aid of Rs. 83,89,19,000 (Rupees Eight Three crore, Eighty Nine Lakhs and Nineteen Thousand only) towards total cost of the project.

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6. YEARWISE REQUIREMENT OF THE PROJECT:

Details of Expenditure							Total Amount (Rs. In Lakh)
		Y1	Y2	Y3	Y4	Y5	
	Non Recurring Expenses						
1	Project Budget						
	a. Lab Infrastructure Set up and Office Cost	50	50	50	30	20	200.00
	b. Equipments (including spares thereof)	1269.95	619.525	273.175	273.175	273.175	2709.00
	c. Software Licenses and Tools	258.4	181	78	77.5	77.1	672.00
	Recurring Expenses						
1	Manpower						
	a. Manpower	240	240	240	240	240	1200.00
2	Project Budget						
	a. Fabrication and Prototyping	208	254	254	254	254	1224.00
	b. Travel	10	10	10	10	10	50.00
	c. Contingencies	5	5	5	5	5	25.00
	d. Consumables	187.6	335	335	335	335	1527.60
	e. Visiting Faculties or Research Consultant(s)	6	4	4	4	4	22.00
	g. Procured Services (other than Infrastructure/Office Cost and metered utilities)	20	24	24	25	26	119.00
	h. Utilities	112.17962	85.004435	65.100405	63.997785	64.309865	390.59
	i. Institute Overheads (5%)	10.00	10.00	10.00	10.00	10.00	50.00
3	Dissemination	30	30	40	50	50	200.00
	a. Workshops						
	b. Meetings						
	c. Short Courses/Training						
	d. IPR						
	TOTAL						8389.19

The release of funds will be governed by the terms and conditions of Grant-in-Aid and also the MOU signed between DeitY and IIT Bombay to establish National Centre of Excellence in Technologies for Internal Security (NCETIS) and Terms and Conditions enclosed.


 (Rajesh Suri)
 Deputy Director

29.5.15

Terms & Conditions

1. The Steering Committee to be constituted with following members:

- i. Director IIT Bombay (Chairman)
- ii. Secretary, DeitY (or Nominee) (Co-Chairman)
- iii. Dean R & D IIT Bombay
- iv. Representative of IB
- v. JS (IS), MHA
- vi. JS(Police), MHA
- vii. Representative of NPA
- viii. Representative of WPC, DoT
- ix. Centre Coordinating Faculty of IIT Bombay (Member Secretary)
- x. Director General of Police (or Nominee), State 1
- xi. Director General of Police (or Nominee), State 2
- xii. Director General of Police (or Nominee), State 3
- xiii. Director General of Police (or Nominee), State 4
- xiv. Director General (or Nominee) of CRPF, BSF, ITBP, SSB (one org by rotation)
- xv. Director General (or Nominee) of NIA, CBI, NCB (one org by rotation)
- xvi. Director General (or Nominee) of BPR & D
- xvii. Director General (or Nominee) of SPG, NSG, CISF (one org by rotation)
- xviii. Chairman of NTRO (or Nominee)
- xix. Two industry representatives nominated by DeitY
- xx. Representative of DRDO
- xxi. Two faculty members from IIT Bombay nominated by Director IIT Bombay

*Members mentioned at x to xiii will be chosen annually for the Steering Committee on rotation basis and as per the progress requirement.

- 2. Core project team will consist of faculty members associated with the centre with one faculty member acting as Centre coordinator. The Centre coordinator would be appointed by Director IIT Bombay in consultation with the Steering Committee.
- 3. A Industrial Project Approval Body is to be constituted by the Steering Committee in consultation with DeitY.
- 4. Project Review Committees are to be constituted by the Steering Committee for each individual project in consultation with DeitY.
- 5. The products as mentioned below would be developed and technology transfers would be targeted by IIT Bombay:

- Broadband Wireless Communication System
 - Video Surveillance and Analysis
 - Unmanned Vehicles
 - Handheld Detectors for Explosives, Landmines, Chemical and Biological warfare
 - Ground Penetrating Radars for Landmine Detection
 - Geographic Information System(GIS) and Spatial Data Security
 - Thermal Camera
6. For non-recurring costs on account of equipments(Rs 2709 lakh), lab facilities(Rs 200 lakh) and software (Rs 672 lakh) IIT Bombay may ensure that infrastructure grant is utilised for the facilities related to the project alone and the procurement should be made as per GFR guidelines and tendering process as mandated by Govt from to time to time for large equipments costing over Rs 50 lakh.
 7. The travel expenditure may be restricted to Rs 10 lakh each totalling to 50 lakh in 5 years with no international travel keeping in view austerity instruction guidelines to use video conferencing facilities.
 8. The contingency expenditure may be restricted to Rs 5 lakh per annum totalling to Rs 25 lakh for 5 year.
 9. The overheads may be restricted to Rs 10 lakh per annum totalling to Rs 50 lakh for 5 years.
 10. The manpower cost may be capped at Rs 12 crore for 5 years with no component for administrative support staff.
 11. The dissemination expenditure may be restricted to Rs 200 lakh for 5 years.
 12. Duplicity of efforts should be avoided.
 13. IIT Bombay may collaborate with other research organizations and industry who are working on the Technology for Internal security to fill gap areas and mechanism should be developed for meeting new challenges collectively.