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Payee Details

Controller: 037-SCIENCE AND TECHNOLOGY

Sanction Status: Approved

Sanction Number: DST/TMD/UK-BEE/2017/07 (C)

Sanction Date: 29/12/2017

Sanction Type: Transfer (DDO Bill)

Sanction Amount: 12870000

IFD Number: 4097

IFD Date: 29/12/2017

Plan Scheme: 1819-INNOVATION, TECHNOLOGY DEVELOPMENT AND DEPLOYMENT

PAO: 058296-PAO(DST) New Delhi

DDO: 258297-DEPARTMENT OF SCIENCE & TECHNOLOGY (INCLUDING,NCST)

Remarks: approved

Account Details:

Grant	Department (For UT Grants Only)	Function Head	Object Head	Category	Amount	External PAO	Availa Budg
084 - Department of Science and Technology		3425602007000 - INNOVATION TECHNOLOGY DEVELOPMENT AND DEPLOYMENT	35 - GRANTS FOR CREATION OF CAPITAL ASSETS	5 - VOTED	12870000		953301.1

Agency	Bank Account No	Amount	Instrume Type
International Institute of Information Technology, Hyderabad	52081085019 - INTERNATIONALINSTITUTE	12,870,000.00	RTGS

ePayment Details

Accredited Bank : * UNION BANK OF INDIA ; Amount 12870000 ; Not Payable Before : * Required 30/12/2017

Party Name	IFSC Code	Party Account No	Amount	Payee Remark
INTERNATIONALINS	SBIN0021161	52081085019	12870000	PAO DST

Note: If the IFSC Code is not automatically shown it means bank A/C is not validated.If payment process is t please key in the IFSC Code and process payment.Please ensure IFSC Code is correct.

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Government of India
Ministry of Science & Technology
Department of Science & Technology

Technology Bhavan
New Mehrauli Road
New Delhi-110 016
Date: 29-12-2017

Sanction order

Subject: Financial support for project entitled "Residential building energy demand reduction in India (RESIDE)" by Prof. Vishal Garg, Center for IT in Building Science International Institute of Information Technology, Hyderabad – 500032, Prof. Jyotirmay Mathur, MNIT, Jaipur-302017, Prof. Mohannad, Ziauddin, Jamia Millia Islamia, New Delhi-110025, **Prof. Utpal Sharma, Nirma University, Ahmedabad,- 382481**, Prof. Anand Ukidev, Aayojan School of Architecture & Design, Pune-412301, Dr. George Thadathil, Salesian College, Darjeeling- 734101, Dr. Usha Ramachandran, IIT Bombay-400076.

With reference to the Sanction Order No. DST/TMD/UK-BEE/2017/07 (G) dated 29-12-2017. The sanction of the President is also accorded to the release of Rs.1,28,70,000/- (Rupees one crore twenty eight lakh seventy thousand only) to International Institute of Information Technology, Hyderabad – 500032 being the first installment of grant under "Capital Component" for implementation of the above mentioned project. The items of expenditure for which the total allocation of Rs.4,45,72,800/- been approved for a period of 48 months are given below:

The items of expenditure for which the total allocation has been approved are given below:

Sl. No.	Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd year (Lakh)	4th year (Lakh)	Total (Lakh)
A	Non-recurring (Capital Items) Budget Head 3425.60.200.70.00.35					
I	Pmt Equipment	Rs.128.7000	Rs.20.0000	Rs.2.2000	Rs.0.0000	Rs.150.9000
	Total (Capital)	Rs.128.7000	Rs.20.0000	Rs.2.2000	Rs.0.0000	Rs.150.9000
B	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.51.2160	Rs.40.0160	Rs.35.6160	Rs.33.6000	Rs.160.4480
II	Consumables	Rs.9.6900	Rs.2.0700	Rs.1.4100	Rs.1.4100	Rs.14.5800
III	Contingency	Rs.6.0000	Rs.6.0000	Rs.6.0000	Rs.6.0000	Rs.24.0000
IV	Travel (Domestic)	Rs.6.0000	Rs.6.0000	Rs.6.0000	Rs.6.0000	Rs.24.0000
V	Travel (International)	Rs.8.4000	Rs.6.3000	Rs.6.3000	Rs.4.2000	Rs.25.2000
VI	Workshops	Rs.0.0000	Rs.0.0000	Rs.5.0000	Rs.5.0000	Rs.10.0000
VII	Fabrication Cost	Rs.16.1000	Rs.3.5000	Rs.1.0000	Rs.1.0000	Rs.21.6000
VIII	Over Heads	Rs.5.0000	Rs.4.5000	Rs.4.0000	Rs.1.5000	Rs.15.0000
	Total(General)	Rs.102.4060	Rs.68.3860	Rs.65.3260	Rs.58.7100	Rs.294.8280
C	Grand Total	Rs.231.1060	Rs.88.3860	Rs.67.5260	Rs.58.7100	Rs.445.7280

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A. The total break-up of the cost head wise and year wise for **IIIT Hyderabad** is given below (in Lakh):

Sl. No.	Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd year (Lakh)	4th year (Lakh)	Total (Lakh)
A	Non-recurring (Capital Items) Budget Head 3425.60.200.70.00.35					
I	Pmt Equipment	Rs.111.7000	Rs.16.0000	Rs.2.2000	Rs.0.0000	Rs.129.9000
1. Meter level energy monitoring device (2,000 Nos.) 2. Temperature and Humidity Monitoring (2,000 Nos.) 3. Plug loads Monitoring (800Nos.) 4. IR devices control (400 Nos.) 5. Energy Manager (200Nos.) 6. Window opening/closing sensor (200 Nos.) 6. LabVIEW 7. Multisim V14 8. MATLAB and toolbox 9. AWS 10. Sketch up (4 Years)						
	Total (Capital)	Rs.111.7000	Rs.16.0000	Rs.2.2000	Rs.0.0000	Rs.129.9000
B	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.16.6080	Rs.16.6080	Rs.18.4800	Rs.17.4720	Rs.69.1680
Four JRFs @ Rs.25,000/25,000/28,000/28,000 + 30% HRA One Junior Project Attended @ Rs.8,400/8,400/8,400 per month						
II	Consumables	Rs.8.9400	Rs.1.3200	Rs.0.6600	Rs.0.6600	Rs.11.5800
1. Lithium-Ion 18650 Rechargeable Cell 3.7V 2000mAh 2. ELECTROLUBE PCM 250 COATING, PEELABLE MASK, 250ML 3.RTV Silicone Adhesive 4. Transparent aerosol acrylic resin conformal coating 5. Misc. Office Stationery, electrical, electronic Items						
III	Contingency	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.7.0000
IV	Travel (Domestic)	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.7.0000
V	Travel (International)	Rs.4.2000	Rs.4.2000	Rs.2.1000	Rs.2.1000	Rs.12.6000
VI	Workshops	Rs.0.0000	Rs.0.0000	Rs.5.0000	Rs.5.0000	Rs.10.0000
VII	Fabrication Cost	Rs.13.6000	Rs.3.0000	Rs.1.0000	Rs.1.0000	Rs.18.6000
VIII	Over Heads	Rs.1.5000	Rs.2.0000	Rs.2.0000	Rs.0.5000	Rs.6.0000
	Total(General)	Rs.48.3480	Rs.30.6280	Rs.32.7400	Rs.30.2320	Rs.141.9480
C	Grand Total	Rs.160.0480	Rs.46.6280	Rs.34.9400	Rs.30.2320	Rs.271.8480

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B. The total break-up of the cost head wise and year wise for MNIT Jaipur is given below (in Lakh):

<u>Sl. No.</u>	<u>Sanction head</u>	<u>1st Year (Lakh)</u>	<u>2nd Year (Lakh)</u>	<u>3rd year (Lakh)</u>	<u>4th year (Lakh)</u>	<u>Total (Lakh)</u>
A	Non-recurring (Capital Items) Budget Head 3425.60.200.70.00.35					
I	Pmt Equipment	Rs.17.0000	Rs.4.0000	Rs.0.0000	Rs.0.0000	Rs.21.0000
1. Temperature and Humidity (iButton) (200 Nos.) 2. Thermal Comfort Analyzer (2 Nos.) 3. PM2.5 (5 Nos.)						
	Total (Capital)	Rs.17.0000	Rs.4.0000	Rs.0.0000	Rs.0.0000	Rs.21.0000
B	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.15.4080	Rs.15.4080	Rs.17.1360	Rs.16.1280	Rs.64.0800
Four JRFs @ Rs.25,000/25,000/28,000/28,000 per month + 20% HRA One Jr. Project Attendant @ Rs.8,400/8,400/8,400/-						
II	Consumables	Rs.0.7500	Rs.0.7500	Rs.0.7500	Rs.0.7500	Rs.3.0000
III	Contingency	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.7.0000
IV	Travel (Domestic)	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.1.7500	Rs.7.0000
V	Travel (International)	Rs.4.2000	Rs.2.1000	Rs.4.2000	Rs.2.1000	Rs.12.6000
VI	Fabrication Cost	Rs.0.5000	Rs.0.5000	Rs.0.0000	Rs.0.0000	Rs.1.0000
VII	Over Heads	Rs.1.0000	Rs.1.5000	Rs.1.0000	Rs.0.5000	Rs.4.0000
	Total(General)	Rs.25.3580	Rs.23.7580	Rs.26.5860	Rs.22.9780	Rs.98.6800
C	Grand Total	Rs.42.3580	Rs.27.7580	Rs.26.5860	Rs.22.9780	Rs.119.6800

Bank

C. The total break-up of the cost head wise and year wise for **Jamia Millia Islamia, New Delhi** is given below (in Lakh):

<u>Sl. No.</u>	<u>Sanction head</u>	<u>1st Year (Lakh)</u>	<u>2nd Year (Lakh)</u>	<u>3rd year (Lakh)</u>	<u>4th year (Lakh)</u>	<u>Total (Lakh)</u>
A	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.3.9000	Rs.1.6250	Rs.0.0000	Rs.0.0000	Rs.5.5250
One JRF @ Rs.25,000 for One Year Five Months + 30% HRA						
II	Contingency	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
III	Travel (Domestic)	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
IV	Fabrication Cost	Rs.0.4000	Rs.0.0000	Rs.0.0000	Rs.0.0000	Rs.0.4000
V	Over Heads	Rs.0.5000	Rs.0.2000	Rs.0.2000	Rs.0.1000	Rs.1.0000
	Total	Rs.5.8000	Rs.2.8250	Rs.1.2000	Rs.1.1000	Rs.10.9250

D. The total break-up of the cost head wise and year wise for **Nirma University, Ahmedabad** is given below (in Lakh):

<u>Sl. No.</u>	<u>Sanction head</u>	<u>1st Year (Lakh)</u>	<u>2nd Year (Lakh)</u>	<u>3rd year (Lakh)</u>	<u>4th year (Lakh)</u>	<u>Total (Lakh)</u>
A	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.3.9000	Rs.1.6250	Rs.0.0000	Rs.0.0000	Rs.5.5250
One JRF @ Rs.25,000 for One Year Five Months + 30% HRA						
II	Contingency	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
III	Travel (Domestic)	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
IV	Fabrication Cost	Rs.0.4000	Rs.0.0000	Rs.0.0000	Rs.0.0000	Rs.0.4000
V	Over Heads	Rs.0.5000	Rs.0.2000	Rs.0.2000	Rs.0.1000	Rs.1.0000
	Total	Rs.5.8000	Rs.2.8250	Rs.1.2000	Rs.1.1000	Rs.10.9250

Done

E. The total break-up of the cost head wise and year wise for **Aayojan School of Architecture and Design, Pune** is given below (in Lakh):

<u>Sl. No.</u>	<u>Sanction head</u>	<u>1st Year (Lakh)</u>	<u>2nd Year (Lakh)</u>	<u>3rd year (Lakh)</u>	<u>4th year (Lakh)</u>	<u>Total (Lakh)</u>
A	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.3.9000	Rs.1.6250	Rs.0.0000	Rs.0.0000	Rs.5.5250
One JRF @ Rs.25,000 for One Year Five Months + 30% HRA						
II	Contingency	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
III	Travel (Domestic)	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
IV	Fabrication Cost	Rs.0.4000	Rs.0.0000	Rs.0.0000	Rs.0.0000	Rs.0.4000
V	Over Heads	Rs.0.5000	Rs.0.2000	Rs.0.2000	Rs.0.1000	Rs.1.0000
	Total	Rs.5.8000	Rs.2.8250	Rs.1.2000	Rs.1.1000	Rs.10.9250

F. The total break-up of the cost head wise and year wise for **Salesian College, Darjeeling** is given below (in Lakh):

<u>Sl. No.</u>	<u>Sanction head</u>	<u>1st Year (Lakh)</u>	<u>2nd Year (Lakh)</u>	<u>3rd year (Lakh)</u>	<u>4th year (Lakh)</u>	<u>Total (Lakh)</u>
A	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.3.6000	Rs.1.5000	Rs.0.0000	Rs.0.0000	Rs.5.1000
One JRF @ Rs.25,000 for One Year Five Months + 20% HRA						
II	Contingency	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
III	Travel (Domestic)	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
IV	Fabrication Cost	Rs.0.4000	Rs.0.0000	Rs.0.0000	Rs.0.0000	Rs.0.4000
V	Over Heads	Rs.0.5000	Rs.0.2000	Rs.0.2000	Rs.0.1000	Rs.1.0000
	Total	Rs.5.5000	Rs.2.7000	Rs.1.2000	Rs.1.1000	Rs.10.5000

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G. The total break-up of the cost head wise and year wise for IIT Bombay is given below (in Lakh):

Sl. No.	Sanction head	1st Year (Lakh)	2nd Year (Lakh)	3rd year (Lakh)	4th year (Lakh)	Total (Lakh)
A	Recurring Items (General) Budget Head 3425.60.200.70.00.31					
I	Man Power	Rs.3.9000	Rs.1.6250	Rs.0.0000	Rs.0.0000	Rs.5.5250
One JRF @ Rs.25,000 for One Year Five Months + 30% HRA						
II	Contingency	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
III	Travel (Domestic)	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.0.5000	Rs.2.0000
IV	Fabrication Cost	Rs.0.4000	Rs.0.0000	Rs.0.0000	Rs.0.0000	Rs.0.4000
V	Over Heads	Rs.0.5000	Rs.0.2000	Rs.0.2000	Rs.0.1000	Rs.1.0000
	Total	Rs.5.8000	Rs.2.8250	Rs.1.2000	Rs.1.1000	Rs.10.9250

Summary:

		Total Amount Proposed (Lakh)	Release		
			General (Lakh)	Capital (Lakh)	Total (Lakh)
DST/TMD/UK- BEE/2017/07	IIT Hyderabad	Rs.271.848	Rs.48.348	Rs.111.700	Rs.160.048
	MNIT Jaipur	Rs.119.680	Rs.25.358	Rs.17.000	Rs.42.358
	Jamia Milia Islamia, New Delhi	Rs.10.925	Rs.5.800	Rs.0.0	Rs.5.800
	Nirma University, Ahmedabad	Rs.10.925	Rs.5.800	Rs.0.0	Rs.5.800
	Aayojan School of Architecture & Design, Pune	Rs.10.925	Rs.5.800	Rs.0.0	Rs.5.800
	Salesian Colege, Darjeeling	Rs.10.500	Rs.5.500	Rs.0.0	Rs.5.500
	IIT Bombay	Rs.10.925	Rs.5.800	Rs.0.0	Rs.5.800
Sub Total		Rs.445.728	Rs.102.406	Rs.128.700	Rs.231.106

2. This sanction is subject to the condition that the grantee organization will furnish to the Department of Science & Technology, financial year wise Utilization Certificate (UC) in the Proforma prescribed as per GFR 2017 and audited statement of expenditure (SE) along with up to date progress report at the end of each financial year duly reflecting the interest earned / accrued on the grants received under the project. This is also subject to the condition of submission of the final statement of expenditure, utilization certificate and project completion report within one year from the scheduled date of completion of the project.



3. The grantee organization will have to enter & upload the Utilization Certificate in the PI MS portal besides sending it in physical form to this Division. The subsequent/final installment will be released only after confirmation of the acceptance of the UC by the Division and entry of previous Utilization Certificate in the FFMS.
4. If the grant has been released under capital head through separate sanction order under the same project for purchase of equipment(s), separate SE/UC has to be furnished for the released Capital head grant.
5. The grant-in-aid being released is subject to the condition that
 - (a) a transparent procurement procedure in line with the Provisions of General Financial Rules 2017 will be followed by the Institute/Organization under the appropriate rules of the grantee organization while procuring capital assets sanctioned for the above mentioned project and a certificate to this effect will be submitted by the Grantee organization immediately on receipt of the grant:
 - (b) While submitting Utilization Certificate/Statement of Expenditure, the organization has to ensure submission of supporting documentary evidences with regard to purchase of equipment/capital assets as per the provisions of GFR 2017. Subsequent release of grants under the project shall be considered only on receipt of the said documents.
6. The grantee organization will maintain separate audited account for the project and the entire amount of grant will be kept in an interest bearing bank account. The interest earned / accrued should be reported to DST (financial year wise) while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the grantee organization, which will be adjusted towards future release of grant.
7. DST reserves sole rights on the assets created out of grants. Assets acquired wholly or substantially out of government grants (except those declared as obsolete and unserviceable or condemned in accordance with the procedure laid down in GFR 2017), shall not be disposed of without obtaining the prior approval of DST.
8. In case the scheme provides for payment of honorarium / remuneration / fellowship / scholarship to the PI, a Para may suitably be incorporated in the DSO to the effect that "PI is not drawing any emoluments/ salary/fellowship from any other project either supported by DST or by any other funding agency.
9. The account of the grantee organization shall be open to inspection by the sanctioning authority and audit (both by C&AG of India and Internal Audit by the Principal Accounts Office of the DST), whenever the organization is called upon to do so, as laid down under Rule 236(1) of General Financial Rules 2017.
10. Due acknowledgement of technical support / financial assistance resulting from this project grant should mandatorily be highlighted by the grantee organization in bold letters in all publications / media releases as well as in the opening paragraphs of their Annual Reports during and after the completion of the project.
11. Failure to comply with the terms and conditions of the Bond will entail full refund with interest in terms of Rule 231 (2) of GFR 2017.



12. The expenditure involved is debitable to Demand No.84, Department of Science & Technology for the year 2017-18:
3425 : Other Scientific Research (Major Head)
60 : Others
60.200 : Assistance to Other Scientific Bodes (Minor Head)
70 : Innovation, Technology Development and Deployment
70.00.35 : Grants for creation of capital assets-Plan (2017-18)
(Previous: TDP-TMD-3425.60.200.26.01.35)

13. The amount **Rs.1,28,70,000/- (Rupees one crore twenty eight lakh seventy thousand only)** will be drawn by the Drawing and Disbursing Officer, DST and will be disbursed to **The Director, International Institute of Information Technology, Hyderabad – 500032**. The bank details for electronic transfer of funds through RTGS are given below: -

1.	Name of the Account Holder	International Institute of Information Technology
2.	Name of the Bank	State Bank of India
3.	Bank Account Number	52081085019
4.	IFSC Code	SBIN0021161

15. As per Rule 234 of GFR 2017, this sanction has been entered at S. No ... **2.99**... in the register of grants maintained in the Division for the scheme Technology Development Programme.

16. This issues with the concurrence of IFD Vide their Concurrence Dy. No. **4097** Dated **29-12-2017**.



(JBV Reddy)
Scientist 'D'

To,

The Pay and Accounts Officer
Department of Science and Technology
New Delhi-110 016

Copy for information and necessary action to:

1. Cash Section (3 copies) for preparing the bill and remitting the amount to the above grantee.
2. Accounts Section, DST, New Delhi.
3. IFD, DST, New Delhi.
4. The Director of Audit, III Floor, AGCR Building, IP Estate, New Delhi
5. **Prof. Vishal Garg,**
Center for IT in Building Science,
International Institute of Information Technology,
Hyderabad – 500032.
6. **The Director,**
International Institute of Information Technology,
Hyderabad – 500032.
7. **Prof. Jyotirmay Mathur,**
MNIT, Jaipur-302017
8. **Prof. Mohammad, Ziauddin,**
Jamia Millia Islamia,
New Delhi-110025
9. **Prof. Utpal Sharma,**
Nirma University,
Ahmedabad,- 382481
10. **Prof. Anand Ukidve,**
Aayojan School of Architecture & Design,
Pune-412301,
11. **Dr. George Thadathil,**
Salesian College,
Darjeeling- 734101
12. **Dr. Usha Ramachandran,**
IIT Bombay- 400076.
13. Sanction folder
14. Master File
15. Office Copy
16. Dr. Sanjay Bajpai, Scientist 'G'
17. FICCI Cell


(JBV Reddy)
Scientist 'D'