



Media Lab Asia

innovating for Digital Inclusion

(A Section 25 Company of Department of Electronics and Information Technology,
Ministry of Communications and Information Technology, Govt. of India)

CIN : U72900MH2001NPL133410
ISO 9001 - 2008 Certified Organisation

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Information Technology Research Academy (ITRA)

Administrative Approval

Ref. No.: ITRA/15(189)/Ag&Food/e-Varaha/01

Date: October 28, 2016

Subject: Administrative Approval for execution of the project "e-Varaha: Information System for Safe Pork Production in North Eastern India."

Implementing Agency's:

- (I) **Indian Institute of Technology (IIT) Guwahati, Guwahati – Lead Institution- IT**
 - (i) **Tezpur University (TUA), Assam-PIN-IT;**
 - (ii) **Manipur University (MUM), Imphal, Manipur- PIN-IT;**
- (II) **ICAR-National Research Centre on Pig (NRCP), Guwahati – Lead Institution-AF;**
 - (i) **ICAR-Research Complex for North Eastern Hilly Region (ICAR-RCNEHR-M), Barapani, Meghalaya- PIN-AF;**
 - (ii) **College of Veterinary Sciences & Animal Husbandry, Central Agricultural University (CVS), Aizawl, Mizoram-PIN-AF;**
 - (iii) **Veterinary College, Karnataka Veterinary, Animal and Fisheries Sciences University (VC-KVAFSU), Karnataka– PIN-AF;**

Dear Sir,

I am directed to convey the Administrative Approval of the Competent Authority for the implementation of the above named project by the team of 7 institutions with Indian Institute of Technology (IIT), Guwahati as (Lead Institution-IT) and ICAR- National Research Centre on Pig (ICAR-NRCP), Guwahati (Lead Institution-AF). The total estimated cost of the project is Rs. 240.87 Lakhs (Rupees Two Crore Forty Lakhs and Eighty Seven Thousand Only) as Grant from ITRA, Media Lab Asia. **The duration of the project is 24 months.**

2. ITRA, Media Lab Asia shall provide funds for undertaking the Project through a grant of Rs. 240.87 Lakhs (Rupees Two Crore Forty Lakhs and Eighty Seven Thousand Only) for the implementation of the above project. The details of the project are given in the Annexure-I enclosed. Also enclosed is Annexure-II containing the **terms & conditions** for the implementation of the said project.

3. You are instructed to send the confirmation of acceptance of **terms & conditions** attached with the Administrative approval in respect of the project. The release of funds shall be subject to receiving the duly signed copy of the terms & conditions by Media Lab Asia.



George Arakal
Director (Admin. & Finance)

To:

1. Prof. S.R.M. Prasanna, Dean, Research & Development, Indian Institute of Technology Guwahati, Guwahati - 781039.
2. Prof. Mihir Kanti Chaudhuri, Vice-Chancellor, Tezpur University, Assam - 784028.
3. Prof N Lokendra Singh, Registrar, Manipur University, Canchipur, Imphal - 795003.
4. Dr. Dilip Kumar Sarma, Director, ICAR-National Research Center on Pig, Guwahati - 781131.
5. Dr. S.V. Ngachan, Director, ICAR-Research Complex for NEH Region, Umroi Road, Umiam Meghalaya - 793103.
6. Dr. D. Kathiresan, Dean, College of Veterinary Sciences & Animal Husbandry, Central Agricultural University, Selesih, Aizawl, Mizrom - 796014.
7. Dr. Chandrapal Singh, Registrar, Veterinary College, Karnataka Veterinary, Animal and Fisheries Sciences University (VC-KVAFSU), Nandinagar, Bidar-585 401

cc:

1. Dr. Sukumar Nandi, Professor, Department of Computer Science & Engineering, Indian Institute of Technology, Guwahati - 781039.
2. Dr. Nityananda Sarma, Professor, Department of Computer Science & Engineering, Tezpur University, Assam - 784028.
3. Dr. Khumukcham Robindro Singh, Assistant Professor, Department of Computer Science, Manipur University, Manipur - 795003.
4. Dr. Girish Patil S., Senior Scientist (Livestock Products Technology), ICAR-National Research Center on Pig, Indian Council of Agricultural Research, Guwahati - 781131.
5. Dr. Arnab Sen, Principal Scientist & Head, Division of Animal Health, ICAR-Research Complex for NEH Region, Barapani, Meghalaya - 793103.
6. Dr. Tapan Kumar Dutta, Associate Professor, Department of Veterinary Microbiology, College of Veterinary Sciences & Animal Husbandry, Central Agricultural University, Selesih, Aizawl, Mizrom - 796014
7. Dr. Nagappa Karabasanavara, Assistant Professor, Department of Veterinary Public Health and Epidemiology, Veterinary College, Karnataka Veterinary, Animal and Fisheries Sciences University (VC-KVAFSU), Shivamogga, Karnataka - 577204.
8. Dr. R. V. Prasad, Dean, Veterinary College, Karnataka Veterinary, Animal and Fisheries Sciences University (VC-KVAFSU), Shivamogga, Karnataka - 577204.
9. Dr. M.R. Anand, MD & CEO, Media Lab Asia - New Delhi
10. Prof. Narendra Ahuja, Director, ITRA - New Delhi
11. Mr. K.P. Sivasdas, Manager Accounts, Media Lab Asia - Mumbai
12. Project File



Annexure-I to the Administrative Approval No.:
ITRA/15(189)/Ag&Food/e-Varaha/01

Date : 28.10.2016

1.	Name of the Project	:	e-Varaha: Information system for Safe Pork Production in North Eastern India
2.	Objective	:	i) Study of the routes of pig- to- pork in the north eastern region ii) Development of IT based systems for examining health status of slaughter purpose pigs and post mortem examination of carcasses iii) Development of tools for identification and traceability of pork iv) Development of piggery information management system for traceability and pork safety
3.	Area of Coverage	:	IT based Transformations in Indian Agriculture and Food (<i>ITRA-Ag&Food</i>)
4.	Names of the Implementing Agencies and Status	:	(i) Indian Institute of Technology (IIT), Guwahati- Lead Institution- IT (ii) Tezpur University (TUA), Assam-PIN-IT; (iii) Manipur University (MUM), Imphal, Manipur-PIN-IT; (iv) ICAR-National Research Centre on Pig (NRCP), Guwahati – Lead Institution-AF; (v) ICAR-Research Complex for North Eastern Hilly Region (ICAR-RCNEHR-M), Barapani, Meghalaya- PIN-AF; (vi) College of Veterinary Sciences & Animal Husbandry, Central Agricultural University (CVS), Aizawl, Mizoram-PIN-AF; and (vii) Veterinary College, Karnataka Veterinary, Animal and Fisheries Sciences University (VC-KVAFSU), Karnataka – PIN-AF
5.	Locations	:	(i) IIT Guwahati: Guwahati, Assam (ii) TUA: Tezpur, Assam (iii) MUM: Imphal, Manipur (iv) ICAR-NRCP: Guwahati, Assam (v) ICAR-RCNEHR-M: Barapani, Meghalaya (vi) CVS: Aizawl, Mizoram (vii) VC-KVAFSU - Karnataka
6.	Principal Investigators	:	(i) Dr. Sukumar Nandi, Professor, Dept. of Computer Science & Engineering, IIT Guwahati (ii) Dr. Nityananda Sarma, Professor, Dept. of Computer Science & Engineering, TUA (iii) Dr. Khumukcham Robindro Singh, Assistant Professor, Dept. of Computer Science, MUM (iv) Dr. Girish Patil, S., Senior Scientist (Livestock Products Technology), ICAR-NRCP (v) Dr. Arnab Sen, Principal Scientist & Head, Division of Animal Health, ICAR-RCNEHR-M (vi) Dr. Tapan Kumar Dutta, Associate Professor, Dept. of Veterinary Microbiology, CVS (vii) Dr. Nagappa, Karabasanavar, Assistant Professor, Dept. of Veterinary Public Health and Epidemiology, VC-KVAFSU - Karnataka
	Total project duration	:	24 Months
	i) Expected date of commencement	:	October 28, 2016
	ii) Expected date of completion	:	October 27, 2018



8. Total project outlay :

a. Year wise and item-wise break up of expenditure (Rs. In Lakhs)

Budget Head	1 st Year	2 nd Year	Total
1. Capital Equipment and Works	57.50	1.00	58.50
2. Consumable stores	13.33	12.01	25.34
3. Manpower*	53.90	51.75	105.65
4. Training & Development	0.00	1.50	1.50
5. Workshop / Conference / Seminar	0.00	5.00	5.00
6. Technology and Entrepreneurship Development	0.00	0.00	0.00
7. Travel	12.00	16.00	28.00
8. Miscellaneous/Contingencies	0.47	0.47	0.94
9. Overheads	7.97	7.97	15.94
Total	145.17	95.70	240.87

b. Institution wise Budget outlay – Summary (Rs. in Lakhs)

Institute Name	1 st year	2 nd year	Total
IIT Guwahati	40.50	27.00	67.50
TUA, Assam	15.05	11.05	26.10
MUM, Imphal	14.75	10.50	25.25
ICAR-NRCP, Guwahati	48.67	26.87	75.54
ICAR-RCNEHR-M, Meghalaya	7.76	6.76	14.52
CVS, Aizawl	8.15	6.98	15.13
VC-KVAFSU, Karnataka	10.29	6.54	16.83
Total	145.17	95.70	240.87

c. Institute wise Budget (Rs. in Lakhs):

c.1 IIT Guwahati: LIN-IT (Rs. in Lakhs)

Budget Head		1 st year	2 nd year	Total
Capital Equipment and works		14.00	1.00	15.00
Consumable Stores	LFC	3.00	3.00	6.00
	S&C	0.50	0.50	1.00
Manpower	RP	15.50	13.00	28.50
	OPSL	0.00	0.00	0.00
	PIP	1.50	1.00	2.50
Training & Development	RMC	0.00	0.00	0.00
Workshop/Conference /Seminar	SSD	0.00	1.00	1.00
	OA	0.00	0.00	0.00
	SPPS	0.00	1.00	1.00
Technology and Entrepreneurship Development	TED	0.00	0.00	0.00
Travel	Domestic	2.00	2.00	4.00
	International	1.50	2.00	3.50
Miscellaneous & Contingency	Misc	0.20	0.20	0.40
Overhead	Overhead	2.30	2.30	4.60
GRAND TOTAL		40.50	27.00	67.50



c.2 TUA, Assam: PIN-IT

(Rs. in Lakhs)

Budget Head		1 st year	2 nd year	Total
Capital Equipment and works		5.50	0.00	5.50
Consumable Stores	LFC	0.25	0.50	0.75
	S&C	0.25	0.50	0.75
Manpower	RP	6.60	6.60	13.20
	OPSL	0.00	0.00	0.00
	PIP	0.00	0.00	0.00
Training & Development	RMC	0.00	0.00	0.00
Workshop/Conference /Seminar	SSD	0.00	0.50	0.50
	OA	0.00	0.00	0.00
	SPPS	0.00	0.50	0.50
Technology and Entrepreneurship Development	TED	0.00	0.00	0.00
Travel	Domestic	1.50	1.50	3.00
	International	0.00	0.00	0.00
Miscellaneous & Contingency	Misc	0.00	0.00	0.00
Overhead	Overhead	0.95	0.95	1.90
GRAND TOTAL		15.05	11.05	26.10

c.3 MUM, Imphal: PIN-IT

(Rs. in Lakhs)

Budget Head		1 st year	2 nd year	Total
Capital Equipment and works		5.50	0.00	5.50
Consumable Stores	LFC	0.50	0.25	0.75
	S&C	0.25	0.25	0.50
Manpower	RP	6.60	6.60	13.20
	OPSL	0.00	0.00	0.00
	PIP	0.00	0.00	0.00
Training & Development	RMC	0.00	0.00	0.00
Workshop/Conference /Seminar	SSD	0.00	0.50	0.50
	OA	0.00	0.00	0.00
	SPPS	0.00	0.50	0.50
Technology and Entrepreneurship Development	TED	0.00	0.00	0.00
Travel	Domestic	1.00	1.50	2.50
	International	0.00	0.00	0.00
Miscellaneous & Contingency	Misc	0.00	0.00	0.00
Overhead	Overhead	0.90	0.90	1.80
GRAND TOTAL		14.75	10.50	25.25

c.4 ICAR-NRCP, Guwahati: LIN-AF

(Rs. in Lakhs)

Budget Head		1 st year	2 nd year	Total
Capital Equipment and works		27.00	0.00	27.00
Consumable Stores	LFC	1.50	1.25	2.75
	S&C	0.15	0.25	0.40
Manpower	RP	7.20	8.06	15.26
	OPSL	3.96	3.96	7.92
	PIP	3.84	3.83	7.67
Training & Development	RMC	0.00	0.50	0.50
Workshop/Conference /Seminar	SSD	0.00	1.00	1.00
	OA	0.00	0.00	0.00
	SPPS	0.00	0.00	0.00



Technology and Entrepreneurship Development	TED	0.00	0.00	0.00
Travel	Domestic	2.50	2.50	5.00
	International	0.00	3.00	3.00
Miscellaneous & Contingency	Misc	0.20	0.20	0.40
Overhead	Overhead	2.32	2.32	4.64
GRAND TOTAL		48.67	26.87	75.54

c.5. ICAR-RCNEHR-M, Meghalaya: PIN-AF

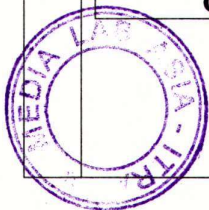
(Rs. in Lakhs)

Budget Head		1 st year	2 nd year	Total
Capital Equipment and works		1.00	0.00	1.00
Consumable Stores	LFC	1.50	1.00	2.50
	S&C	0.00	0.00	0.00
Manpower	RP	3.60	3.60	7.20
	OPSL	0.00	0.00	0.00
	PIP	0.00	0.00	0.00
Training & Development	RMC	0.00	0.50	0.50
Workshop/Conference /Seminar	SSD	0.00	0.00	0.00
	OA	0.00	0.00	0.00
	SPPS	0.00	0.00	0.00
Technology and Entrepreneurship Development	TED	0.00	0.00	0.00
Travel	Domestic	1.00	1.00	2.00
	International	0.00	0.00	0.00
Miscellaneous & Contingency	Misc	0.04	0.04	0.08
Overhead	Overhead	0.62	0.62	1.24
GRAND TOTAL		7.76	6.76	14.52

c.6. CVS, Aizawl: PIN-AF

(Rs. in Lakhs)

Budget Head		1 st year	2 nd year	Total
Capital Equipment and works		1.00	0.00	1.00
Consumable Stores	LFC	4.33	3.66	7.99
	S&C	0.10	0.10	0.20
Manpower	RP	0.00	0.00	0.00
	OPSL	0.60	0.60	1.20
	PIP	0.00	0.00	0.00
Training & Development	RMC	0.00	0.50	0.50
Workshop/Conference /Seminar	SSD	0.00	0.00	0.00
	OA	0.00	0.00	0.00
	SPPS	0.00	0.00	0.00
Technology and Entrepreneurship Development	TED	0.00	0.00	0.00
Travel	Domestic	1.50	1.50	3.00
	International	0.00	0.00	0.00
Miscellaneous & Contingency	Misc	0.03	0.03	0.06
Overhead	Overhead	0.59	0.59	1.18
GRAND TOTAL		8.15	6.98	15.13

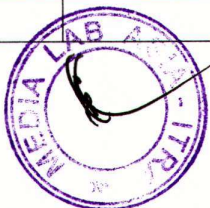


c.7. VC-KVAFSU, Karnataka: PIN-AF		(Rs. in Lakhs)		
Budget Head		1st year	2nd year	Total
Capital Equipment and works		3.50	0.00	3.50
Consumable Stores	LFC	0.85	0.65	1.50
	S&C	0.15	0.10	0.25
Manpower	RP	3.60	3.60	7.20
	OPSL	0.90	0.90	1.80
	PIP	0.00	0.00	0.00
Training & Development	RMC	0.00	0.00	0.00
Workshop/Conference /Seminar	SSD	0.00	0.00	0.00
	OA	0.00	0.00	0.00
	SPPS	0.00	0.00	0.00
Technology and Entrepreneurship Development	TED	0.00	0.00	0.00
Travel	Domestic	1.00	1.00	2.00
	International	0.00	0.00	0.00
Miscellaneous & Contingency	Misc	0.00	0.00	0.00
Overhead	Overhead	0.29	0.29	0.58
GRAND TOTAL		10.29	6.54	16.83

9)	Mode and extent of funding		<u>Amount (Rupees in Lakhs)</u>
	i) Financial support from ITRA-MLAsia	:	
	(a) Grant		240.87
	(b) Loan		NIL
	ii) Internal generation	:	NIL
	iii) Other funding Agencies	:	NIL
	(a) Internal		
	(b) External		

10) Stages for release of Grants

Release No.	Stages of implementation	Documentation to be submitted by implementation Agency	Amount to be released (Rupees in Lakhs)
1	First Installment	<ul style="list-style-type: none"> • Acceptance of the terms and conditions governing Grants and surety bond, as applicable. 	145.17
2	Second Installment on recommendation of the Project Review and Steering Group (PRSG)	<ul style="list-style-type: none"> • Technical progress report • Statement of Account • Utilization Certificate for the previous Grants • Request letter for next release 	95.70
Total			240.87



11) Notes:

General to all teams:

- (i) The budget mentioned for the Year-2 in this Administrative Approval Order is only indicative. The actual level of funding shall be decided based on the 1st Year performance and achievement of the assignments by the institutions.
- (ii)
- i. The revised budget includes provision for international travel of ITRA Researchers (faculty & students).
 - ii. The earmarked funds meant for the team are being released to Lead Institution. The proposed travel abroad using ITRA funds should be routed through the PI of the Lead Institution and the laid down procedures on the subject shall be followed.
 - iii. Any international travel, out of the funds earmarked by ITRA, for the project, would require explicit written approval of ITRA, on case to case basis, before undertaking any such travel.
 - iv. The international travel shall be as per the relevant rules of the grantee institution once the approval is granted by ITRA.
- (iii) The international travel of Advisor / Mentors from abroad is being separately managed by ITRA as per GOI norms.
- (iv) The Project Review and Steering Group, may from time to time, recommend changes to enhance the performance of the project. These may include changing the scope of work, adding new institutions, etc., and these shall be carried out by the teams with the approval of ITRA.
- (v) It is assumed that the project work, through the entire project period, will be carried out by the Project Investigators listed in the project documents with their current institutional affiliations. Changes will generally be not entertained
- (vi) Fellowship amounts for PhD students shall be in line with orders issued to this effect by Media Lab Asia – ITRA.

12) Legend:

LFC	Lab & Field consumables
S&C	Stationary & Communication
RP	Research Personnel
OPSL	Other Project Staff/Labour
PIP	Periodically Involved Personnel(Mentors & Experts)
RMC	Research Motivated Carricula
SSD	Societal Sensitivity Development
OA	Outreach Activites
SPPS	Special Programmes to attract PhD Students from UG and PG Students
TED	Technology and Entrepreneurship Development
Dom.	Domestic Travel
Intl.	International Travel
Misc	Miscellaneous & Contingency



(Handwritten signature)

George Arakal
Director (Admin. & Finance)