BT/IN/Indo-UK/AMR/03/RKE/2018-19

Government of India
Ministry of Science & Technology
Department of Biotechnology

c/22

Block 2, 7th Floor
CGO Complex, Lodhi Road
New Delhi 110 003
Dated: 04.09.2018

Admin Order

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978 for the implementation of Indo-UK Collaborative project titled **"Diagnostics for One health and user Driven Solutions for AMR (DOSA)"** by **Dr. Ravi Krishnan Elangovan,** Indian Institute of Technology, Delhi as the Indian investigator and **Dr. Till Bachmann,** University of Edinburgh, UK as the UK counterpart for a **period of 3 years** at a total cost of **Rs.495.264 Lakhs (Rupees Four Crores Ninety Five Lakhs Twenty Six Thousand Four Hundred Only)** for the Indian component of the project on the terms and conditions as detailed hereunder:

2.0 **PROJECT TITLE :**

"Diagnostics for One heath and user Driven Solutions for AMR (DOSA)"

2.1 **Investigators :**

Indian Investigators

Principal Investigators	**Dr. Ravi Krishnan Elangovan (Co-ordinator)** Assistant Professor, Indian Institute of Technology (IIT), Delhi
	Dr. Naresh Kumar Principal Scientist, National Diary Research Institute (NDRI), Karnal
	Dr. Amitabha Bhattacharjee Assistant Professor, Assam University, Silchar, Assam
	Dr. G.K. Sivaraman Principal Scientist, ICAR- Central Institute of Fisheries Technology, Cochin
	Dr. (Mrs.) Debadatta Dhar Associate Professor, Silchar Medical College, Silchar, Assam
	Dr. Saiyed Taslimarif CEO and Director, Centre for Cellular and Molecular Platforms (C-CAMP), Bangalore

UK Investigators

Principal Investigators	**Dr Till Bachmann, (UK-Cordinator)** University of Edinburgh, UK
	Prof Stephen Rimmer University of Bradford, UK
	Prof Xunli Zhang University of Southampton, UK
	Dr Alison Prendville University of ArtsLondon, UK
	Prof Dominic Moron, University of Edinburg, UK
	Dr Alice Street, University of Edinburgh, UK

2.2 Project Objectives:

a. Undertake user mapping studies in Human, Dairy and aquaculture environment settings on antibiotics consumption.
b. Baseline assessment of resistance pathogens profile using samples from in Human, Dairy and Aquaculture environment settings.
c. Develop rapid/POC diagnostic assays/ prototypes for UTI, Mastitis, AMR pathogens and antibiotics detection.
d. Socio-economic impact assessment of existing rapid diagnostic tools in the above three settings on antibiotics consumption.
e. Refinement, performance benchmarking, validation and impact assessment of prototype(s) in community settings.

Project Duration:
The duration of the project is three years from the date of this Admin order.

Equipments:
The details of the equipments sanctioned for the implementation of the project are given at Annexure-

c/21

2.5 Project Cost:
The estimated cost for the Indian component of the project for three years is as under:

i. **Indian Institute of Technology (IIT), Delhi:**

(Rs. in Lakhs)

Head	1st year	2nd year	3rd year	Total
A. Non-recurring				
Equipment	31.50	0.00	0.00	31.50
B. Recurring				
Consumables	12.00	15.00	13.00	40.00
Manpower				
Project Admin (1) (@ Rs. 30,000 + 30% HRA	4.68	4.68	4.68	14.04
RA (2)@ Rs. 36,000/- p.m. + 30% HRA	11.232	11.232	11.232	33.696
SRF (2) @ Rs. 28,000/- p.m. + 30% HRA	8.736	8.736	8.736	26.208
Travel				
Domestic	2.50	2.50	2.50	7.50
International	6.00	6.00	6.00	18.00
Local hospitality	0.75	0.75	0.75	2.25
Review meeting for all projects under this call	7.00	0.00	0.00	7.00
Contingency	2.00	2.00	2.00	6.00
Overheads	2.00	2.00	2.00	6.00
Total-B	**56.898**	**52.898**	**50.898**	**160.694**
Total (A + B)	**88.398**	**52.898**	**50.898**	**192.194**

ii. **National Diary Research Institute (NDRI), Karnal:**

(Rs. in Lakhs)

Head	1st year	2nd year	3rd year	Total
A. Non-recurring				
Equipment	23.50	0.00	0.00	23.50
B. Recurring				
Consumables	8.00	9.00	8.00	25.00
Manpower				
RA (1) @ Rs. 36,000/- p.m. + 10% HRA	4.752	4.752	4.752	14.256
SRF (1) @ Rs. 28,000/- p.m. + 10% HRA	3.696	3.696	3.696	11.088
Travel				
Domestic	0.50	0.50	0.50	1.50
International	1.00	1.00	1.00	3.00
Local hospitality	0.50	0.50	0.50	1.50
Contingency	1.00	1.00	1.00	3.00
Outsourcing	1.00	0.75	0.50	2.25
Overheads	1.00	1.00	1.00	3.00
Total-B	**21.448**	**22.198**	**20.948**	**64.594**
Total (A + B)	**44.948**	**22.198**	**20.948**	**88.094**

iii. **Assam University, Silchar, Assam:**

(Rs. in Lakhs)

Head	1st year	2nd year	3rd year	Total
A. Non-recurring				
Equipment	5.50	0.00	0.00	5.50
B. Recurring				
Consumables	3.00	4.00	4.00	11.00
Manpower				
RA (1) @ Rs. 36,000/- p.m. + 10% HRA	4.752	4.752	4.752	14.256

Travel				
Domestic	0.50	0.50	0.50	1.50
Local hospitality	0.50	0.50	0.50	1.50
Contingency	1.00	1.00	1.00	3.00
Overheads	1.00	1.00	1.00	3.00
Total-B	10.752	11.752	11.752	34.256
Total (A + B)	16.252	11.752	11.752	39.756

iv. Central Institute of Fisheries Technology, Cochin:

(Rs. in Lakhs)

Head	1st year	2nd year	3rd year	Total
A. Non-recurring				
Equipment	21.00	0.00	0.00	21.00
B. Recurring				
Consumables	8.00	8.00	7.00	23.00
Manpower				
RA (1) @ Rs. 36,000/- p.m. + 20% HRA	5.184	5.184	5.184	15.552
Travel				
Domestic	0.50	0.50	0.50	1.50
International	1.00	1.00	1.00	3.00
Local hospitality	0.50	0.50	0.50	1.50
Contingency	1.50	1.50	1.50	4.50
Overheads	1.00	1.00	1.00	3.00
Total-B	17.684	17.684	16.684	52.052
Total (A + B)	38.684	17.684	16.684	73.052

v. Silchar Medical College & Hospital, Silchar:

(Rs. in Lakhs)

Head	1st year	2nd year	3rd year	Total
A. Non-recurring				
Equipment	21.00	--	--	21.00
B. Recurring				
Consumables	5.00	4.00	4.00	13.00
Manpower				
Technical Assistant(1)@ Rs.12,000/- p.m. (Fixed)	1.44	1.44	1.44	4.32
Travel				
Domestic	0.50	0.50	0.50	1.50
Contingency	1.00	1.00	1.00	3.00
Overheads	1.00	1.00	1.00	3.00
Total-B	8.94	7.94	7.94	24.82
Total (A + B)	29.94	7.94	7.94	45.82

vi. Centre for Cellular and Molecular Platforms (C-CAMP), Bangalore:

(Rs. in Lakhs)

Head	1st year	2nd year	3rd year	Total
Recurring				
Consumables	4.00	4.00	3.00	11.00
Manpower				
RA (1) @ Rs. 36,000/- p.m. + 30% HRA	5.616	5.616	5.616	16.848
Travel				
Domestic	0.50	0.50	0.50	1.50
International	2.00	--	2.00	4.00
Local hospitality	1.00	1.00	1.00	3.00
AMR Dx Workshop	7.00	--	7.00	14.00
Contingency	1.00	1.00	1.00	3.00
Overheads	1.00	1.00	1.00	3.00
Total-B	22.116	13.116	21.116	56.348
Total (A + B)	22.116	13.116	21.116	56.348