

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

1. **Name of the Institute/ ITMC:** ICAR-Indian Agricultural Statistics Research Institute, New Delhi

2. **Specific Details of ITMC:**

Officer In-charge (Member Secretary)	Dr. Rajender Parsad, Principal Scientist, ICAR- IASRI, New Delhi- 110012, India
Contact Details of In-charge (E-mail ID & Cell Number)	E-mail: rajender.parsad@icar.gov.in, rajender1066@yahoo.co.in Phone: 011-25843573; Mob: 9811647837
Meeting(s) organized by *ITMC/ITMU (if any): (The meetings of ITMU were conducted regularly and recommendations were got approved from Director and Chairman, ITMC).	Four: 01.01.2019 , 04.01.2019, 07.02.2019 and 23.03.2019
Attach the Copy of ITMC/ITMU Meeting Proceedings (if any)	Please see Annexure A & B

3. **Contractual Staff:**

Sno.	Name of Institute	Number of Person (in position)	Specific work done
1.	ICAR- Indian Agricultural Statistics and Research Institute, New Delhi	01(YP II) Since 18.07.2018	<ul style="list-style-type: none"> • Assisting in updating of the links at ITMU at IASRI website as required • Assisting in drafting of 18 application for granting Copyrights of software/publications <ul style="list-style-type: none"> - Cluster bean long Non-Coding RNA Database (CbLncRNAdb) 3319/2019-CO/SW - HSplice: A hybrid approach for predicting 5' splicing junctions 3318/2019-CO/SW - PreDoss : Prediction of donor splice sites in eukaryotic genes with improved accuracy 3313/2019-CO/SW - dssPred: A web server for eukaryotic donor splice site prediction 3312/2019-CO/SW - Ir-HSP: Online software for improved recognition of Heat Shock Proteins (HSP) and their families 3308/2019-CO/SW - nifPred: A webserver for prediction of nitrogen fixation genes 3309/2019-CO/SW - iAMPpred: Online software for improved prediction of antimicrobial peptides 3301/2019-CO/SW - MalDoss: A web server for Donor Splice site prediction using machine

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

			<p>learning approaches. 3310/2019-CO/SW</p> <ul style="list-style-type: none">- DCDNC: Discrimination of coding sequence (CDS) from non-coding sequence (Intron) 3311/2019-CO/SW- DIRProt: Discriminating the insecticide resistance proteins from non-resistance proteins 3320/2019-CO/SW- funBarRF: DNA barcode based fungal species identification 3316/2019-CO/SW- HRG Pred : Software For prediction of herbicide resistant genes 3297/2019-CO/SW- Species Identification using DNA Barcode (SPIDBAR) 3317/2019-CO/SW- Coconut Transcriptome Database (CnTDB) 5460/2019-CO/SW- Banana Microsatellite Database with primer generation tool (BanSatDB) 5458/2019-CO/SW- Levidb: Genomics of Virus in Legume Crops 5463/2019-CO/SW- GoSatDb: Goat Microsatellite Database 5462/2019-CO/SW- OGR: The Onion Genomic Resource 5461/2019-CO/SW <ul style="list-style-type: none">• Involved in redesigning and developing the website of ITMU using CMS Drupal and made available at https://iasri.icar.gov.in/itmu/. It is being maintained and updated regularly.• Developing a information system for Consultancy using core php. It is being maintained and updated regularly.• Assisting in annual report preparation and other file related work with proceeding.• Visited and assisting in correspondence work with Registrar Copyrights. Visited Department of Industrial Policy & Promotion ,Ministry of Commerce and Industry, Boudhik Sampada Bhawan, Plot No. 32, Sector 14, Dwarka, New Delhi-110075 on 29.09.2018 and 28/02/2019 Copyright office regarding resolution of Copyright Application Number-SW-11725/2018
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Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

4. Management of IP portfolio: Total number of copyright registered during the period: 12 registered

Total number of copyright before 31.03.2018 applied : 12

Total number of copyright applied during the period: 13 applied

IPRs	Name of Institute	Diary Number	Name of Innovation/ Technology/ Product/ Variety	Applied On	Application Granted/ Registered**	Registration Granted On	Date of received at IASRI	Copyright Registrati on number
Patent	-	-	-	-	-	-	-	
Trademarks	-	-	-	-	-	-	-	
Copyrights	ICAR-Indian Agricultural Statistics and Research Institute	4721/2018-CO/SW	Antimicrobial Prediction server for cattle	28/03/2018	Registered	16/05/2018		SW-10688/2018
		4722/2018-CO/SW	TomsatDb: Tomato Microsatellite Database	28/03/2018	Registered	16/05/2018	19/09/2018	SW-10689/2018
		4731/2018-CO/SW	PipeMicroDb:Pigeonpea Microsatellite Database	28/03/2018	Registered	16/05/2018	23/05/2018	SW-10687/2018
		4736/2018-CO/SW	TamiRPred: Putative miRNA Discovery Tool in Wheat (Triticmaestivum L)	28/03/2018	Registered	16/05/2018		SW-10685/2018
		3558/2018-CO/SW	Software for Small Area Estimation	28/02/2018	Registered	31/05/2018	08/06/2018	SW-10788/2018
		4730/2018-CO/SW	BufsatsDb: Buffalo Microsatellite Database	28/03/2018	Registered	04/06/2018	15/06/2018	SW-10802/2018
		3547/2018-CO/SW	Vortal for Training Program Management under Capacity Building	28/02/2018	Registered	01/05/2018	30/06/2018	SW-10580/2018

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

		Program (CBP-Portal)					
	4733/2018-CO/SW	Antimicrobial Prediction server for Fish	28/03/2018	Registered	07/06/2018	30/06/2018	SW-10838/2018
	4735/2018-CO/SW	VISTa: Variety Identification System for Triticumaestivum (Wheat)	28/03/2018	Registered	31/05/2018	12/07/2018	SW-10795/2018
	4725/2018-CO/SW	TaSSRDb: Triticumaestivum SSR Database	28/03/2018	Registered	12/07/2018	14/08/2018	SW-11115/2018
	2185/2016-CO/SW	Sample Survey Resources Server	15/02/2016	Registered	18/05/2017 03/10/2018	04/10/2018 (Through E-mail)	SW-9073/2017
	11965/2016-CO/L	Software for Estimation of Acreage under paddy in North Eastern Hilly Region	22/09/2016	Registered	24/09/2018	14/10/2018	SW-11725/2018
	3319/2019-CO/SW	Cluster bean long Non-Coding RNA Database (CbLncRNAdb)	28/02/2019	Applied	-	-	-
	3318/2019-CO/SW	HSsplice: A hybrid approach for predicting 5' splicing junctions	28/02/2019	Applied	-	-	-
	3313/2019-CO/SW	PreDoss : Prediction of donor splice sites in eukaryotic genes with improved accuracy	28/02/2019	Applied	-	-	-

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

	3312/2019-CO/SW	dssPred: A web server for eukaryotic donor splice site prediction	28/02/2019	Applied	-	-	-
	3308/2019-CO/SW	Ir-HSP: Online software for improved recognition of Heat Shock Proteins (HSP) and their families	28/02/2019	Applied	-	-	-
	3309/2019-CO/SW	nifPred: A webserver for prediction of nitrogen fixation genes	28/02/2019	Applied	-	-	-
	3301/2019-CO/SW	iAMPpred: Online software for improved prediction of antimicrobial peptides	28/02/2019	Applied	-	-	-
	3310/2019-CO/SW	MalDoss: A web server for Donor Splice site prediction using machine learning approaches.	28/02/2019	Applied	-	-	-
	3311/2019-CO/SW	DCDNC: Discrimination of coding sequence (CDS) from non-coding	28/02/2019	Applied	-	-	-

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

			sequence (Intron)					
		3320/2019-CO/SW	DIRProt:Discriminating the insecticide resistance proteins from non-resistance proteins	28/02/2019	Applied	-	-	-
		3316/2019-CO/SW	funBarRF: DNA barcode based fungal species identification	28/02/2019	Applied	-	-	-
		3297/2019-CO/SW	HRG Pred : Software For prediction of herbicide resistant genes	28/02/2019	Applied	-	-	-
		3317/2019-CO/SW	Species Identification using DNA Barcode (SPIDBAR)	28/02/2019	Applied	-	-	-
Design	-	-	-	-	-	-	-	
Plant Variety	-	-	-	-	-	-	-	
Biological Material/ Strains/ Resources	-	-	-	-	-	-	-	
Any Other	-	-	-	-	-	-	-	

*** Please mention granted application/ registration no (eg. Patent No.; Trademark / Design/ Plant Variety registration no.)*

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

5. Revenue Earned

(a) Commercialization of Technologies : NIL

S No	Name of Institute	Name of Technology/ Know-How	IP Protection (Yes/ No)*	Name of Contracting Party	Date of Licensing	Revenue Earned (₹)

*If Yes, Please mention Patent Application No/ Trademarks Registration No/ PPV&FRA Registration No.

**Note: (Mode of Partnership: eg. MoU/ MOA/ Licensing/ Consultancy/ Contract Service & Research/ Know-How etc)

(b) Professional Service Functions: Please see Annexure C, Annexure D and Annexure E respectively.

S No	Name of Institute	Type of Services (Training Consultancy, Contract Research and Contract Service)	Contracting Party	Period Of Service From(Date)-To-	Revenue Earned (₹)	Mode of Partnership	Remarks

Revenue generated:

- From Consultancy/Consultancy Project: Revenue generated – Rs. 366646.00 (Please see ANNEXURE ‘C’)
- From Training: Revenue generated – ` Rs. 478506.00 ’ (Please see ANNEXURE ‘D’)
- Technology Commercialization – `Rs. 12000.00’ (Please see ANNEXURE ‘E’)

Total Revenue generated: ` Rs. 857152.00

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

6. Outreach Activities : NIL

S No	Name of Institute	Programme Organized for Technology Commercialize/ Transfer*	Number of Participants	Venue of Event	Remarks
Any other initiative taken for commercialization					

*Note: Name of Industry Meet/ Interface Meet / Business Meet/ B2B Meetings etc.

7. Capacity Building in IP Management : NIL

7.1 Training/workshop/Seminar etc.) attended: 1

Sno.	Name of Programme (Training/workshop/Seminar etc.) attended	Organized By (Name of Institute)	Date of Programme	Participant (Name)
1.	Agri-Startup and Entrepreneurship Conclave on Unleashing Potentials in Agriculture for Young Agripreneurship (UPAYA)	Indian Council of Agricultural Research	16.10.2018-17.10.2018	Rajender Parsad Tauqueer Ahmad Naresh Kumar

7.2 Training/workshop/Seminar etc.) organized: NIL

S No	Name of Institute	Name of Programme (Training/workshop/Seminar etc.) Organized	Date of Programme	Participants (No)
1.				

8. Constraints if any:-NIL

9. Specific intervention required from IP&TM Unit:-NIL

10. Success Story with good quality photographs:- NIL

11. Any other activity (which was not covered in above columns):NIL

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

‘Annexure C’

Consultancy/ Contract research undertaken by ICAR-IASRI during 2018-19

S.No.	Name of the Consultant/ PI	Title	Total fee(Rs.)	Institutional Charges (Rs.)	Time period	CPC proceeding date
	2018-19					
1.	Dr. Hukum Chandra	Global Strategy to improve agricultural and rural statistics in Myanmar: As a sampling expert	US\$ 498 31857.00	US\$ 148 9557.00	2017 & 2018 (45 days) @US\$ 250/day	07.03.2019
2.	Tauqueer Ahmad Anil Rai AK Chobey Prachi Misra Sahoo Ankur Biswas Man Singh and GM Pathak	Study on developing guidelines on estimating post harvest losses of horticultural crops, livestock products and fish and fish products	(US\$21750) 11,90,298.00	(US\$6525) 3,57,089.00	16.10.2017 to 15.03.2018	20.09.2018
Total			1222155.00	366646.00		

Expected

S.No.	Name of the Consultant/ PI	Title	Total fee (Rs.)	Institutional Charges (Rs.)	Time period
	2019-20* Expected				
1.	Sudeep Marwaha Mukesh Kumar MM Maurya	Customization and Implementation of Academic Management System (AMS) for PG and UG education at BAU, Sabour (Bhagalpur)	1043280.00	173880.00	25.06.2018 to 24.06.2019
2.	Sudeep Marwaha Alka Arora Soumen Paul L.M. Bhar	Knowledge Management System for DUS characteristics of crops	1825308.00	304218.00	05.01.2019 to 04.01.2020
3.	Dr. Sangeeta ahuja, Dr. A.K.	Development of Software for Data Entry, Analysis and Monitoring for	250000.00	53400.00	15 November, 2015 - 31 March, 2016

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

	Choubey, Dr. Anil Rai	Storage Losses in FCI/CWC godowns			
4.	Sudeep Marwaha AK Choubey	Customization and Implementation of Academic Management System (AMS) for PG and UG education at UHS, Bagalkot	686700.00	114450.00	10.07.2017 to 09.07.2018

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

'Annexure D'

S.No.	Name of the Course Director	Title	Total fee (Rs.)	Institutional Charges (Rs./ USD)	Time period	No. of participants
Training Programs 2018-19						
1.	Prachi Misra Sahoo Tauqueer Ahmad & Ankur Biswas	Recent Advances in Agricultural Survey: Remote Sensing and GIS Application	2871036.00	478506.00	March 13- April 2, 2019	10
Total			Rs.2871036.00	Rs.478506.00		

Annual Report -2018-19

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2018 to March 2019)

Annexure 'E'

Technology Commercialization during the period of 2018-19 as detailed below:

Sr. No.	Name of Software	No. of Software	Cost (Rs)
1.	<u>SPAR 2.0: Statistical Package for Agricultural Research data analysis (SPAR 2.0)</u>	5 (4 originals and one extra copy)	12000.00
Total		5 (4 originals and one extra copy)	12000.00