

Annual Report -2019-20

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2019 to March 2020)

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).	Two: 18.04.2019 and 05.10.2019
Attach the Copy of ITMC/ITMU Meeting Proceedings (if any)	Please see Annexure A & B

3. **Contractual Staff:**

S.No.	Name of Institute	Number of Person (in position)	Specific work done
1.	ICAR- Indian Agricultural Statistics and Research Institute, New Delhi	01 (YP II) From 01.04.2019 to 31.08.2019 And Since 19.10.2019	<ul style="list-style-type: none"> • Assisting in updating of the links at ITMU at IASRI website as required • Assisted in drafting of 05 application for granting Copyrights of software/publications <ul style="list-style-type: none"> - 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 • 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. • Involved in uploading of files related to copyrights (54) in the name of Director, ICAR-IASRI in IPR Repository. • Assisted in annual report preparation and other file related work with proceeding. • Visited and assisting in correspondence work with Registrar Copyrights. Visited

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			Department of Industrial Policy & Promotion ,Ministry of Commerce and Industry, Boudhik Sampada Bhawan, Plot No. 32, Sector 14, Dwarka, New Delhi-110075 on 10/04/2019
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4. Management of IP portfolio: Total number of copyright registered during the period: 17 registered

Total number of copyright before 31.03.2019 applied : 13

Total number of copyright applied during the period: 05 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 Registration number
Patent	-	-	-	-	-	-	-	
Trademarks	-	-	-	-	-	-	-	
Copyrights	ICAR-Indian Agricultural Statistics and Research Institute	3320/2019-CO/SW	DIRProt: Discriminating the insecticide resistance proteins from non-resistance proteins	28/02/2019	Registered	03/06/2019	04/06/2019	SW-12353/2019
		3308/2019-CO/SW	Ir-HSP: Online software for improved recognition of Heat Shock Proteins (HSP) and their families	28/02/2019	Registered	07/06/2019	10/06/2019	SW-12349/2019
		3319/2019-CO/SW	<u>Cluster bean long Non-Coding RNA Database (CbLncRNAdb)</u>	28/02/2019	Registered	29/04/2019	18/06/2019	SW-12348/2019
		3297/2019-CO/SW	HRG Pred : Software For prediction of herbicide resistant genes	28/02/2019	Registered	29/04/2019	18/06/2019	SW-12347/2019
		5462/2019-CO/SW	GoSatDb: Goat Microsatellite Database	10/04/2019	Registered	23/05/2019	18/06/2019	SW-12452/2019
		3313/2019-CO/SW	PreDoss : Prediction of donor splice sites in eukaryotic genes with improved accuracy	28/02/2019	Registered	29/04/2019	19/06/2019	SW-12358/2019
		3318/2019-CO/SW	<u>HSsplice: A hybrid approach for predicting 5' splicing junctions</u>	28/02/2019	Registered	29/04/2019	19/06/2019	SW-12357/2019
		3310/2019-CO/SW	MalDoss: A web server for Donor Splice site prediction using machine learning	28/02/2019	Registered	29/04/2019	21/06/2019	SW-12345/2019

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			approaches					
		5460/2019-CO/SW	Coconut Transcriptome Database (CnTDB)	10.04.2019	Registered	23/05/2019	25/06/2019	SW-12454/2019
		3301/2019-CO/SW	iAMPpred: Online software for improved prediction of antimicrobial peptides	28.02.2019	Registered	19.06.2019	08/08/2019	SW-12549/2019
		3312/2019-CO/SW	dssPred: A web server for eukaryotic donor splice site prediction	28.02.2019	Registered	20.06.2019	08/08/2019	SW-12552/2019
		3309/2019-CO/SW	<u>nifPred: A webserver for prediction of nitrogen fixation genes</u>	28.02.2019	Registered	19.06.2019	16/08/2019	SW-12548/2019
		3316/2019-CO/SW	<u>funBarRF: DNA barcode based fungal species identification</u>	28.02.2019	Registered	19.06.2019	16/08/2019	SW-12551/2019
		5458/2019-CO/SW	<u>Banana Microsatellite Database with primer generation tool (BanSatDB)</u>	10.04.2019	Registered	22.07.2019	16/08/2019	SW-12639/2019
		5461/2019-CO/SW	<u>OGR: The Onion Genomic Resource</u>	10.04.2019	Registered	22.07.2019	17/08/2019	SW-12641/2019
		3311/2019-CO/SW	<u>DCDNC:Discrimination of coding sequence (CDS) from non-coding sequence (Intron)</u>	28.02.2019	Registered	19.06.2019	20/08/2019	SW-12550/2019
		3317/2019-CO/SW	<u>Species Identification using DNA Barcode (SPIDBAR)</u>	28.02.2019	Registered	03.12.2019	22.01.2020	SW-13040/2019
Design	-							
Plant Variety	-							
Biological Material/ Strains/ Resources	-							
Any Other	-							

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

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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. 8,48,392.00 (Please see ANNEXURE ‘C’)
- From Training: Revenue generated – ` Rs. 1,57,933.00 ’ (Please see ANNEXURE ‘D’)
- Technology Commercialization – `Rs. 21000.00’ (Please see ANNEXURE ‘E’)

Total Revenue generated: ` Rs. 10,27,325.00

6. Outreach Activities : NIL

S No	Name of Institute	Programme Organized for Technology Commercialize/ Transfer*	Number of Participants	Venue of Event	Remarks

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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: NIL

<i>Sno.</i>	<i>Name of Programme (Training/workshop/Seminar etc.) attended</i>	<i>Organized By (Name of Institute)</i>	<i>Date of Programme</i>	<i>Participant (Name)</i>

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

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

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‘Annexure C’

Consultancy/ Contract research undertaken by ICAR-IASRI during 2019-20

S.No.	Name of the Consultant/ PI	Title	Total fee (Rs.)	Institutional Charges (Rs.)	Time period	CPC proceeding date
	2019-20					Honorarium
1.	Dr. Sangeeta ahuja, Dr. A.K. Choubey, Dr. Anil Rai	Development of Software for Data Entry, Analysis and Monitoring for Storage Losses in FCI/CWC godowns	2,50,000	53400	15 November, 2015 - 31 March, 2016	06.04.2019
2.	Dr. Tauqueer Ahmad, Dr. U.C. Sud, Dr. Prachi Misra Sahoo, Dr. Anil Rai, Dr. Kaustav Aditya, Sh. Raju Kumar, Dr. Man Singh, Sh. G.M. Pathak, Smt. Neelam Chandra	Testing and validation of alternative methodology developed by IASRI for estimation of area and production of horticultural crops in Madhya Pradesh State	84,12,077	266242	June 01, 2015 to February 28, 2018 extended upto 31.10.2018	20.09.2019
3.	Dr. Tauqueer Ahmad, Dr. U.C. Sud, Dr. Prachi Misra Sahoo, Dr. Anil Rai, Dr. Ankur Biswas, Ms. Vandita Kumari, Dr. Man Singh, Sh. G.M. Pathak, Smt. Neelam Chandra	Testing and validation of alternative methodology developed by IASRI for estimation of area and production of horticultural crops in Haryana State	76,25,557	528750	August 06, 2015 to May 05, 2018 extended upto 05.09.2018	09.07.2019
Total			1,62,87,654	8,48,392		

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‘Annexure D’

S.No .	Name of the Course Director	Title	Total fee (Rs.)	Institutional Charges (Rs./ USD)	Time period	No. of participants
Training Programs 2019-20						
1.	PD: Hukum Chandra PC: Kaustav Aditya	Data analysis and Interpretation' for ISS Probationers of CSO	947601.00	157,933.00	May 13-24, 2019	28
Total			Rs. 9,47,601	Rs. 157,933		

Annexure ‘E’

Technology Commercialization during the period of 2019-20 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>	2 (original)	3000.00
2.	<u>SPAD 1.0: Statistical Package for Augmented Designs(SPAD)</u>	12(original)	18000
Total		14 (originals)	21000.00