

# Annual Report -2017-18

National Agriculture Innovation Fund (NAIF)

Component –I (Innovation Fund)

(from April 2017 to March 2018)

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 ( <i>if any</i> ): ( The meetings of ITMU were conducted regularly and recommendations were got approved from Director and Chairman, ITMC).	Two meetings were 29.07.2017 and 16.03.2018
Attach the Copy of ITMC/ITMU Meeting Proceedings ( <i>if any</i> )	

3. **Contractual Staff:** Nil

**Works done by ITMU Incharge and others in team**

- Updation of the links at ITMU at IASRI website as required
- Drafting of 18 application for granting Copyrights of software/publications and submitting them to Copyright office
- Visited and Assisting in correspondence work with Registrar Copyrights.

SNo.	Name of Institute	Number of Person (in position)	Specific work done
1.	ICAR- Indian Agricultural Statistics and Research Institute, New Delhi	-	-

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**4. Management of IP portfolio: Total number of copyrights registered during the period: 6 registered**

**Total number of copyrights applied before 31.03.2017: 6**

**Total number of copyrights applied during the period: 12 applied**

IPRs	Name of Institute	Diary Number	Name of Innovation/ Technology/ Product/ Variety	Applied On	Application Granted/ Registered**	Registration Granted On	Copyright Registration number
Patent	-	-	-	-	-	-	
Trademarks	-	-	-	-	-	-	
Copyrights	ICAR- Indian Agricultural Statistics and Research Institute IASRI, New Delhi	12198/2016-CO/L	Statistical Analysis of Agricultural Experiments Part 1: Single Factor Experiments	22/09/2016	Registered	17/07/2017	L-67363/2017
		5478/2017-CO/SW	Mobile Assisted Personal Interview version 1(MAPI ver. 1)	22/03/2017	Registered	05/09/2017	SW-9378/2017
		11986/2016-CO/L	Data Entry Software for estimation of harvest and post harvest losses of crop/commodities	22/09/2016	Registered	03/08/2017	SW-9295/2017
		2183/2016-CO/SW	Web Generation of Factorial Experiments with Minimum Level Changes in Run Sequences (webFMC)	15/02/2016	Registered	14/08/2017	SW-9312/2017
		2187/2016-CO/SW	Web Generation of Polycross Designs (webPD)	15/02/2016	Registered	14/08/2017	SW-9311/2017
		2675/2015-CO/L	Pilot Study to Develop an Alternative Methodology for Estimation of Area and Production of Horticultural Crops	18/03/2015	Registered	09/12/2017	L-71033/2017
		4721/2018-CO/SW	Antimicrobial Prediction server for	28/03/2018	Applied	-	-

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			cattle				
		4722/2018-CO/SW	TomsatDb: Tomato Microsatellite Database	28/03/2018	Applied	-	-
		4731/2018-CO/SW	PipeMicroDb:Pigeon pea Microsatellite Database	28/03/2018	Applied	-	-
		4736/2018-CO/SW	TamiRPred: Putative miRNA Discovery Tool in Wheat ( <i>Triticumaestivum</i> L)	28/03/2018	Applied	-	-
		3558/2018-CO/SW	Software for Small Area Estimation	28/02/2018	Applied	-	-
		4730/2018-CO/SW	BuffsatDb: Buffalo Microsatellite Database	28/03/2018	Applied	-	-
		3547/2018-CO/SW	Vortal for Training Program Management under Capacity Building Program (CBP-Portal)	28/02/2018	Applied	-	-
		4733/2018-CO/SW	Antimicrobial Prediction server for Fish	28/03/2018	Applied	-	-
		4735/2018-CO/SW	VISTA: Variety Identification System for <i>Triticumaestivum</i> (Wheat)	28/03/2018	Applied	-	-
		4725/2018-CO/SW	TaSSRDb: <i>Triticumaestivum</i> SSR Database	28/03/2018	Applied	-	-
		4721/2018-CO/SW	Antimicrobial Prediction server for cattle	28/03/2018	Applied	-	-
		4722/2018-CO/SW	TomsatDb: Tomato Microsatellite Database	28/03/2018	Applied	-	-
Design	-	-	-	-	-	-	-
Plant Variety	-	-	-	-	-	-	-

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Biological Material/ Strains/ Resources	-	-	-	-	-	-	-
Any Other	-	-	-	-	-	-	-

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

## 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. 3407349.00' (Please see ANNEXURE 'C')
- From Training: Revenue generated – ` Rs. 1806888.00 ' (Please see ANNEXURE 'D')
- Technology Commercialization – ` 25000.00' (Please see ANNEXURE 'E')
- Contract Services Provided– ` 97000.00'

**Total Revenue generated: ` Rs. 5336237.00**

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## 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: NIL

Sno.	Name of Programme (Training/workshop/Seminar etc.) attended	Organized By (Name of Institute)	Date of Programme	Participant (Name)
1.				

### 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

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‘Annexure C’

## Consultancy undertaken by ICAR-IASRI during 2017-18

S.No.	Name of the Consultant/ PI	Title	Total fee(Rs./ US\$)	Institutional Charges (Rs./ US\$)	Time period	CPC proceeding date
<b>2017-18</b>						
1.	Dr. Tauqueer Ahmad	Study to Develop an Alternative Methodology for Estimation of Cotton Production	1425314.00	100600.00	April 1, 2011 to July 31, 2013	<b>30.11.2017</b>
2.	Dr. Tauqueer Ahmad	Impact Assessment of Agroforestry model in Vaishali District of Bihar State	484589.00	71600.00	June 10, 2013 to October 09, 2013	<b>30.11.2017</b>
3.	Dr. U.C. Sud	Study on improving methods for estimating crop area, yield and production under mixed, repeated and continuous cropping	26001375.00	2505596.00	December 18, 2014 to October 17, 2016	<b>18.05.2017</b>
4.	Tauqueer Ahmad UC Sud Ankur Biswas and Man Singh	Pilot Study on measurement of private foodgrains stock including estimation of on-farm PHL under input survey of Agriculture Census in India	695750.00	108000.00	09.05.2017 to 08.06.2017 (32 days)	<b>30.11.2017</b>
5.	Dr. Ranjit Kumar Paul	Strengthening Agricultural Market Information in India (AMIS) using Innovative Methods & Digital Technology	248875.00	74663.00	20.05.17 to 19.06.17	<b>23.10.2017</b>
6.	Dr.UB Angadi	Development of database and package for data analysis & visualization of feed resources in Ethiopia	396750.00	103500.00	01.06.17 to 31.10.17	
7.	Tauqueer Ahmad Anil Rai Prachi Misra Sahoo Ankur Biswas Man Singh and Kaustav Aditya	Study on field testing of the developed guidelines on estimating post harvest losses of horticultural crops, livestock products and fish and fish products	(US\$ 36500) Rs.5295995.00	(US\$ 5220) Rs.371246.00	21.12.2017 to 31.10.2018	<b>06.12.2017</b>
8.	Dr. U.C. Sud	Sampling expert to assist with the development of improved sampling design/ methodology for crop yield estimation in the Bhutan for paddy and Maize	(US\$3750 ) Rs.240482.00	(US\$1125 ) Rs.72144.00	August 22, 2016 to September 01 2016 , 12-15 September 2016 in India	<b>(Rs.148378 recd on 19.05.17 and 92104 on 29.07.2017)</b>
<b>Total</b>			<b>34789130.00</b>	<b>3407349.00</b> <b>3443205</b>		

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‘Annexure D’

**Trainings undertaken by ICAR-IASRI during 2017-18**

S.No.	Name of the Course Director	Title	Total fee	Institutional Charges (Rs./ US\$)	Time period	No. of participants
<b>2017-18</b>						
1.	Seema Jaggi BN Mandal	Data analysis and Interpretation for ISS Probationers of CSO- I	1051589.00	175265.00	April 24 - May 05, 2017	28
2.	Rajender Parsad Eldho Varghese	Data analysis and Interpretation for ISS Probationers of CSO- II	1051589.00	175265.00	May 15-26, 2017	28
3.	Tauqueer Ahmad Programme Hukum Chandra	Sampling Methodology, Field Organization and Data Quality	US\$ 14000 896560.00	US\$ 4200 268968.00	April 17-21, 2017(5days)	14*
4.	Tauqueer Ahmad Hukum Chandra	Sampling Methodology, Field Organization and Data Quality	US\$ 14000 896560.00	US\$ 4200 268968.00	May 01-05, 2017(5days)	14*
5.	Hukum Chandra Kaustav Aditya	Handling Unit level Data and Data Analysis using R	392950.00	65492.00	August 21-25, 2017	20
6.	Anil Rai AR Rao	Big Data Analysis	392950.00	65492.00	August 28-Sept 01, 2017	20
7.	Tauqueer Ahmad Pradip Basak	Recent Developments in Survey Methodology with Applications	392950.00	65492.00	September 18-22, 2017	20
8.	Hukum Chandra Ankur Biswas	Advanced Sampling Techniques with Practical examples from NSSO surveys, Health survey	392950.00	65492.00	December 04 - 08, 2017	20
9.	PD: Prachi Misra Sahoo PC: Tauqueer Ahmad	Recent Advances in Agricultural Survey: Remote Sensing and GIS Application	2524726.00	420788.00	November 01-21,2017	10
10.	Anshu Bhardwaj Eldho Varghese	Data Mining Techniques and Data Analytics	677063.00	100344.00	November 06-17, 2017	20
11.	Hukum Chandra Pradip Basak	Handling Large Scale Data and Data Analysis using R	405962.00	67661.00	July 23-28, 2018	15
12.	Hukum Chandra Deepak Singh	Advanced sampling Techniques with Practical examples from Large Scale Surveys	405962.00	67661.00	Aug 27- Sept 01, 2018	15
<b>Total</b>			<b>Rs.9481811.00</b>	<b>Rs.1806888.00</b>		

\*1 US\$ = 64.04 as per CPC honorarium proceedings dated 19.06.2017

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Annexure 'E'

Technology Commercialization during the period of 2017-18 as detailed below:

Sr. No.	Name of Software	No. of Software	Cost (Rs.)
1.	SPAR 2.0: Statistical Package for Agricultural Research data analysis (SPAR 2.0)	6	10000.00
2.	SPAD: Statistical Package for Augmented Designs (SPAD)	5	7000.00
3.	SPFE 1.0: Statistical Package for Factorial Experiments (SPFE 1.0)	2	2000.00
4.	SPBD Release 1.0: Statistical Package for Balanced Incomplete Block Designs	2	2000.00
5.	SPAB 2.0: Statistical Package for Animal Breeding (SPAB 2.0)	2	2000.00
6.	SSDA 1.0: Software for Survey Data Analysis (SSDA 1.0)	2	2000.00
<b>Total</b>		<b>19</b>	<b>25000.00</b>

## Contract Services Provided

Sr. No.	Training	Date	Cost (Rs)
1.	ICARDA at IASRI , New Delhi	23-10-2017 to 3.11.2017	97000.00
<b>Total</b>			<b>97000.00</b>