Approved Annual Achievements of RFD 2011-2012

Name of the Division : **Crop Science**

Name of the Institution : **Directorate of Rice Research (DRR), Hyderabad**

RFD Nodal Officer : **Dr. M.B.B. Prasad Babu**

Objective	Weight	Action	Success indicator	Unit	Weight	Target/ Criteria value					Achievements	Performance	
						Excellent	Very Good	Good	Fair	Poor		Raw Score (%)	Weighted Score
						100%	90%	80%	70%	60%			
1. Strengthening frontier research for enhancing rice production, productivity and quality to meet domestic and export demands	24	Development of better hybrids	Identification of maintainers and restorers	No.	2	40	30	20	10	5	35	95	1.9
			Handling of backcrosses	No.	2	10	9	8	7	6	9	90	1.8
			Evaluation of breeding lines for Rf and wc genes	No.	2	100	80	60	50	40	90	95	1.9
		Improvement of plant type	Map QTLs/genes for high yield from wild species and tropical japonica	No.	2	5	4	3	2	1	4	90	1.8
			Transfer yield enhancing QTLs/genes into elite varieties and hybrids	No	2	5	4	3	2	1	4	90	1.8
			Evaluate introgression lines for agronomically superior traits	No.	2	50	40	30	20	10	45	95	1.9
		Improvement of aromatic, quality rice and enhancing nutritional quality	Generation and evaluation of breeding material	No	2	200	150	100	50	25	175	95	1.9
			Analysis for quality and nutritional parameters	No.	2	25	20	15	10	5	20	90	1.8
			Identification markers for quality traits, Fe, Zn	No.	2	4	3	2	1	0	3	90	1.8
		Improvement of varieties through biotechnological tools	Biotic stresses	No.	4	20	15	10	5	1	15	90	3.6
			Abiotic stresses	No.	2	10	8	6	4	2	8	90	1.8

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2. Improving soil health and water and input use efficiency, and farm machinery and improving processing	15	Enhancing productivity of soil, water and energy resources	Identification of suitable rice-based cropping systems for resource conservation, productivity and sustainability	No	2	4	3	2	1	0	3	90	1.8
			Analysis of plant water stress indicators	No	3	10	8	6	4	2	8	90	2.7
			Field survey and analysis of soil quality parameters in intensive rice systems	No	1	100	80	60	40	20	80	90	0.9
			Rhizosphere microbial diversity in relation to soil health	No	1	10	8	6	4	2	8	90	0.9
		Improving input use efficiency	Analysis and identification of parameters for efficient input use	No	1	8	6	4	3	2	6	90	0.9
			Testing and identification of promising genotypes for higher nutrient use	No	2	30	20	15	10	5	45	100	2.0
		Sustaining rice productivity under changing climate	Analysis and identification of crop parameters for heat tolerance and elevated CO_2	No	3	8	6	5	3	2	8	100	3.0
			Testing of crop, land and climatic parameters for validation/development of crop growth models for climate change	No	2	12	10	8	6	4	10	90	1.8
3. Integrated pest management	15	Identification of new sources of resistance	Screening advanced breeding lines for resistance	No.	5	500	400	300	200	100	450	95	4.75
		Evaluation of new molecules and formulation of pesticides/ weedicides for bio-efficacy and safety	Screening of pesticides in greenhouse and field trials	No.	5	30	25	20	15	10	25	90	4.5
		Identification and evaluation of new biocontrol agents	Studies on promising/ novel bio-control agents	No.	2	4	3	2	1	0	3	90	1.8

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						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%		Raw Score (%)	Weighted Score
		Evaluation of novel methods of pest population regulation	Studies on novel methods of pest population regulation	No.	1	4	3	2	1	0	3	90	0.9
		Integration of control methods	Demonstration of IPM technology trough MLT trials	No.	2	4	3	2	1	0	3	90	1.8
4. Identification of technologies suitable for different ecological and socio-economic environment	25	Organization of coordinated trials in different disciplines	Data receipt and analysis	Date	5	15/01/ 2012	31/01/20 12	10/02/ 2012	20/02/ 2012	28/02/ 2012	31/01/20 12	90	4.5
			Report preparation & presentation	Date	10	01/04/ 2012	10/04/ 2012	15 /04/ 2012	20/04/ 2012	30 /04/ 2012	04/04/20 12	96.7	9.67
			Constitution & Conduct of trial	No.	5	75	70	65	60	50			
			Monitoring of trials at centers	No.	5	40	35	30	25	20	46	100	5.0
5. Efficient functioning of RFD system	11	Timely submission of draft for approval	On-time submission	Date	2	10/06/ 2011	14/06/20 11	16/06/ 2011	20/06/ 2011	22/06/ 2011	0	0	0
		Timely submission of results	On-time submission	Date	1	01/05/ 2012	03/05/ 2012	04/05/ 2012	05/05/ 2012	06/05/ 2012	27/04/20 12	100	1.0
		Finalize a strategic plan for RSC	Finalize the strategic plan for next 5 years	Date	2	10/12/ 2011	15/12/ 2011	20/12/ 2011	25/12/ 2011	31/12/ 2011	28/2/201 2	0	0
		Identify potential areas of corruption related to organization activities and develop an action plan to mitigate them	Finalize an action plan to mitigate potential areas of corruption	Date	2	10/12/ 2011	15/12/ 2011	20/12/ 2011	25/12/ 2011	31/12/ 2011	28/2/201 2	0	0
		Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review citizens charter	Date	2	10/12/ 2011	15/12/ 2011	20/12/ 2011	25/12/ 2011	31/12/ 2011	28/2/201 2	0	0
			Create a Sevottam compliant system to redress and monitor public grievances	Date	2	10/12/ 2011	15/12/20 11	20/12/ 2011	25/12/ 2011	31/12/ 2011	28/2/201 2	0	0

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			Create a Sevottam compliant system to redress and monitor public grievances	Date	2	10/12/ 2011	15/12/20 11	20/12/ 2011	25/12/ 2011	31/12/ 2011	28/2/201 2	0	0
5. Validation and Commercialization of technologies developed and promoting public-private partnership	5	Organization of FLDs	Laying out FLDs	No.	1	100	75	50	30	20	300	100	1.0
		Organization of Breeder seed production	Multi-location breeder seed production for varieties and parental lines	No.	1	250	200	150	100	50	251	100	1.0
		Organization of sponsored and need based training programmes	Conducting training programmes on rice production technologies	No.	2	9	7	5	3	2	9	100	2.0
		Maintenance of rice knowledge portal	Web articles updated/ added to the portal	No.	1	400	300	200	100	50	500	100	1.0
6. Evaluation of Genetic resources/ germplasm for sustainable use	5	Characterization of germplasm and evaluation for biotic stresses	Agro-morphological characters	No.	3	3000	2500	2000	1500	1000	2500	90	2.7
			Biotic stresses	No.	2	350	300	250	200	150	300	90	1.8

*Finalized during the orientation meeting of the RFD Nodal Officers held on 21st Feb 2012 at Krishi Bhavan, New Delhi.

Total Composite Score : 79.42