

Annual (April 1, 2012 to March 31, 2013) Performance Evaluation Report in respect of RFD 2012-2013 of RSCs i.e. Institutes

Name of the Division: Horticulture

Name of the Institution: Directorate of Medicinal and Aromatic Plants Research, Borivai, Anand

RFD Nodal Officer: Dr. P. Manivel

S. No.	Objective (s)	Weight	Action (s)	Success Indicator (s)	Unit	Weight	Target / Criteria Value					Achievements	Performance		Percent achievements against Target values of 90% Col.	Reasons for shortfalls or excessive achievements, if applicable
							Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%		Raw Score	Weighted Score		
	To identify plants which need attention of agricultural scientists and to collect, maintain and evaluate the identified plants and develop improved varieties.	32	Collection of germplasm of MAPs	Germplasm collected	Number	8	45	40	35	30	25	45	100	8	112.5	-
			Maintenance of germplasm of MAPs	Germplasm maintained	Number	8	800	762	720	700	650	800	100	8	104.9	
			Evaluation of germplasm of MAPs	Germplasm evaluated (Tinospora)	Number	5	14	12	10	8	6	14	100	5	116.6	
			Hybridization, generation advancement, selection and yield evaluation of breeding lines of mandate MAPs.	Crosses made	Number	1	12	10	9	8	7	12	100	1	120	
				Breeding lines/selections advanced	Number	5	200	175	165	150	140	175	90	4.5	100	
	Breeding lines evaluated	Number	5	18	15	14	13	12	18	100	5	119.9				

To carry out those basic researches on the chosen crops, which are useful to develop their Good Agricultural Practices (GAP)	32	Analysis of soil and plant samples for different parameters (micronutrient cation in soil, micronutrient uptake by plant and Isabgol husk quality)	Soil and plant samples analyzed	Number	3	110	100	90	80	70	110	100	3	110	
		Carry out nutrient management studies in <i>Centalla asiatica</i>	Plant and soil sample analysis	Number	2	70	63	60	55	50	63	90	1.8	100	
		Isolation of non obligate pathogen in Medicinal and Aromatic plants	Medicinal crop plants	Number	1	4	3	2	1	-	4	100	1.0	133.3	
		Investigation of the role of Bio-agents in disease management.	bio-agents	Number	1	3	2	1	-	-	2	90	0.9	125	
		Extract preparation	Extracts	Number	3	5	4	3	2	1	5	100	3.0	125	
		Isolation and Characterization compound	Marker compound	Number	2	4	3	2	1	-	3	90	1.8	100	
		Development and validation of HPLC methods for identification and quantification of major marker compounds	Methods developed	Number	3	4	3	2	1	-	4	100	3	133	
		Determination of the structures of pure compounds isolated from	Compound identified	Number	2	10	9	8	7	6	9	90	1.8	100	

			leaves and roots of <i>E. axillare</i>												
			Development of CPC method for separation of swertiamarin	Method developed	Number	2	2	1	-	-	-	2	100	2	100
			Update herbal gardens database	Collection, registration & updation of new herbal gardens data	Number	3	12	10	9	8	7	12	100	3	120
			Collection, updation and maintenance of digital herbarium database	Number of database	Number	3	55	50	45	40	35	50	90	2.70	100
			Standardization of enzyme assays involved in seed development	Enzyme assays standardized	Number	1	5	4	3	2	1	4	90	0.9	100
			Standardization of SDS-PAGE protocol for isabgol mucilage	Protein profile	Number	1	2	1	-	-	-	1	90	0.9	100
			Standardization of protocol for seed constituents in isabgol	Protocols standardized	Number	1	5	4	3	2	1	5	100	1	125
			Determination of isabgol seed properties and development and fabrication of experimental setup/prototype	Seed properties	Number	1	3	2	1	-	-	3	100	1	100
				Machine/tool	Number	1	2	1	-	-	-	0	0	0.0	0
			Isolation and identification of Trichoderma spp. from rhizosphere	Potential Trichoderma spp. isolated and identified	Number	1	3	2	1	-	-	2	90	0.9	100

			of medicinal and aromatic plants.													
			Isolation and identification of soil borne fungal pathogens of medicinal and aromatic plants	Major soil borne fungi isolated and identified	Number	1	3	2	1	-	-	2	90	0.9	100	
	To coordinate the activities of the centres of AINRP on Medicinal & Aromatic Plants and Betelvine located in various agro-climatic zones of India.	12	Conduct experiments in AICRPMAP&B centres for development of region specific technologies	Experiments conducted	Number	12	110	100	90	80	70	105	100	12	105	
	To provide planting material and technical know-how generated for further testing and refinement by the centres of the co-ordinated project and DMAPR	12	Production of seeds of asalio, isabgol, ashwagandha,	Quantity of seeds produced	Kg	6	3000	2500	2300	2000	1700	3010	100	6	120.4	
			Production of planting material of aloe, lemongrass, palmrosa, guggle	Planting materials produced	Number	5	80,000	75,000	70,000	65,000	60,000	79,000	98	4.9	105.3	
			Training to officers/ researchers	No of trainings	Number	1	3	2	1	-	-	2	90	0.9	100	
	Efficient Functioning of the RFD System	3%	Timely submission of RFD for 2012-13	On-time submission	Date	2	Mar 23 2012	Mar. 26 2012	Mar. 27 2012	Mar. 28 2012	Mar. 29 2012	Mar. 23 2012	100	2	100	
			Timely submission of Results for 2012-13	On-time submission	Date	1%	May 1 2013	May 2 2013	May 3 2013	May 6 2013	May 7 2013	May 1 2013	100	1	100	

Administrative Reforms	5%	Implement ISO 9001	Prepare ISO 9001 action plan	Date	1%	June 4 2012	June 5 2012	June 6 2012	June 7 2012	June 8 2012	June 4 2012	100	1	100	
			Implementation of ISO 9001 action plan	Date	2%	Mar 25 2013	Mar 26 2013	Mar 27 2013	Mar 28 2013	Mar 29 2013	Mar 25 2013	100	2	100	
		Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	2%	100	95	90	85	80	95	90	1.8	100	
Improving Internal Efficiency / responsiveness / service delivery of Ministry / Department	4%	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2%	100	95	90	85	80	100	2	100		
			Independent Audit of implementation of public grievance redressal system	%	2%	100	95	90	85	80	100	2			

Total Composite Score: 96.1
Rating: Excellent

Procedure for computing the Weighted and Composite Score

1. **Weighted Score of a Success Indicator = Weight of the corresponding Success Indicator x Raw Score / 100**
2. **Total Composite Score = Sum of Weighted Scores of all the Success Indicators**