Annual (April 1, 2014 to March 31, 2015) Performance Evaluation Report in respect of RFD 2014-2015 of RSCs i.e. Institutions

Name of the Division: Horticultural Science

Name of the Institution: ICAR-National Research Centre for Grapes

RFD Nodal Officer of the RSC: Dr. Anuradha Upadhyay

Sl. No.	Objectives	Weight	Action(s)	Success Indicators	Unit	Weight	Target / Criteria Value					Achievements	Performance		Percent achieve-ments 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		
1	Improving grape productivity, fruit quality and value addition.	55	Collection, conservation and characterization of Germplasm	Germplasm added/characterized	No.	5	12	10	8	6	4	12	100	5	120.0	Targets under 100% column were achieved. Explorations were made in Srinagar and Leh and Ladakh for collection and established material was included in the germplasm.
			Breeding of varieties for good traits and tolerance to biotic and abiotic stress	Varieties, Hybrids and clones developed / evaluated /under process of development and evaluation	No.	5	6	5	4	3	2	7	100	5	140.0	Based on the field observations of previous years, Seven hybrids developed at the Centre were taken up for detailed evaluation.
			Production of Elite, true to type and virus free planting material	Cuttings and grafts distributed	No.	5	45600	38000	30400	22800	15200	45628	100	5	120.0	Target under 100% column were achieved. More demand for rootstocks 110R

																and Dogridge from farmers, which was met by increasing raising of planting material of these two rootstocks.
			Development of production and protection technologies	Improved production technologies developed or in process	No.	19	5	4	3	2	1	5	100	19	125.0	Target under 100% column were achieved. Experiment on evaluation of rootstocks for table grape varieties was initiated.
			Postharvest technology and value addition	Number of postharvest technologies developed or under process of development	No.	3	4	3	2	1	0	4	100	3	133.3	Target under 100% column were achieved. Estimation of processing factor for pesticide in raisin was taken up to meet the demand for export.
			Measures of food safety	Grape samples analyzed for monitoring pesticide residue and protocols developed	Number	18	360	300	240	180	120	489	100	18	163.0	Besides export samples, large number of domestic market samples were analysed as measure of food safety
2	Transfer of technology	25	Effective dissemination of scientific and technical know	Field visits, seminars, trainings organized	Number	15	34	28	22	16	10	42	100	15	150.0	Due to unseasonal rains, hailstorm, more field visits were undertaken to assess the loss

			how													in affected regions.
				Web based advisory services for pests and diseases	Number	10	52	43	34	25	16	51	98.6	9.89	118.6	Target under 100% column were achieved. Web advisory for hailstorm and pesticide residues were also issued.
*	Publication/ Documentation	5	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	No.	3	10	8	6	4	2	9	95	2.85	112.5	
			Timely publication of the Institute Annual Report (2013-2014)	Annual Report published	Date	2	30.06.2014	02.07.2014	04.07.2014	07.07.2014	09.07.2014	26.6.2014	100	2		
	Fiscal resource management	2	Utilization of released plan fund	Plan fund utilized	%	2	98	96	94	92	90	100	100	2		
	Efficient Functioning of the RFD System	3	Timely submission of Draft RFD for 2014-2015 for Approval	On-time submission	Date	2	May 15, 2014	May 16, 2014	May 19, 2014	May 20, 2014	May 21, 2014	6th May 2014	100	2		
			Timely submission of Results for 2013-2014	On-time submission	Date	1	May 1, 2014	May 2, 2014	May 5, 2014	May 6, 2014	May 7, 2014	28th April 2014	100	1		
	Enhanced Transparency / Improved Service delivery of Ministry/Department	3	Rating from Independent Audit of implementation of Citizens' / Clients' Charter (CCC)	Degree of implementation of commitments in CCC	%	2	100	95	90	85	80	100	100	2		
			Independent Audit of implementation of Grievance	Degree of success in implementing GRM	%	1	100	95	90	85	80	100	100	1		

			Redress Management (GRM) system												
	Administrative reforms	7	Update organizational strategy to align with revised priorities	Date	Date	2	Nov.1 2014	Nov.2 2014	Nov.3 2014	Nov.4 2014	Nov.5 2014	24th Sept. 2014	100	2		
			Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC).	% of Implementation	%	1	100	90	80	70	60	100	100	1		
			Implementation of agreed milestones for ISO 9001	% of implementation	%	2	100	95	90	85	80	50.00	0.00	0		
			Implementation of milestones of approved Innovation Action Plans (IAPs).	% of implementation	%	2	100	90	80	70	60	100	100	2		

Total composite score: 97.74
Rating: Excellent

Annexure 1

Actual Scientific staff in position in the institute and their research articles publications published in International and National Journals having NAAS rating 6.00 or more during April 1, 2014 – March 31, 2015

Name of the Division: Horticultural Science

Name of the Institute: ICAR - National Research Centre for Grape

S. No.	Category of Scientific Staff	Actual Scientific Staff in position	Research articles publications as first/corresponding author (Nos.)	Publication productivity (Number of research publications/no. of scientist)
1.	Principal Scientist	07	06	0.86
2.	Senior Scientist	01	00	0.00
3.	Scientist	06	03	0.50
Total		14	09	0.64

LIST OF PUBLICATIONS ABOVE NAAS RATING 6.0 as FIRST or CORRESPONDING AUTHOR

1. **Satisha Jogaiah,** Anuradha Upadhyay and Smita R. Maske, 2014. Rootstocks induced changes in enzyme activity and other biochemical components during bud burst in Thompson Seedless grapevine buds. *Vitis*, 53 (2): 57-64. (NAAS: 6.79)
2. Varsha P. Salunkhe, **Indu S. Sawant**, Kaushik Banerjee, Pallavi N. Wadkar, Sanjay D. Sawant, Sandip A. Hingmire. 2014. Kinetics of degradation of carbendazim by *B subtilis* strains: possibility of *in situ* detoxification. *Environment Monitoring and Assessment*, Volume 186, Issue 12, pp 8599-8610. (NAAS: 7.68)
3. **Somkuwar R.G.,** Bahetwar A., Khan I., Satisha J., Itroutwar P., Bhongale A. and Oulkar D. 2014. Changes in growth, photosynthetic activity, biochemical parameters and amino acid profile of Thompson Seedless grapes (*Vitis vinifera* L.). *Journal of Environmental Biology*. 35: 1157- 1163. (NAAS: 6.8)
4. **R.G. Somkuwar,** Roshni Samarth, Prerna, I and Supriya Navale, 2014. Effect of cluster thinning on bunch yield, berry quality and biochemical changes in local clone of table grapes Jumbo Seedless (Nana Purple). *Indian Journal of Horticulture*, 71(2): 184-189. (NAAS: 6.11)
5. Hingmire S., Oulkar D.P., Shabeer A.T.P., **Banerjee Kaushik (2015**). Residue analysis of fipronil and difenoconazole in okra by liquid chromatography mass spectrometry and their food safety evaluation. *Food Chem*. 176: 145-151. [NAAS: 9.26]
6. Sabale R., **Shabeer A.T.P**., Utture S.C., Banerjee Kaushik, Oulkar D.P., Adsule P.G., Deshmukh, M.B. (2015). Kresoxim methyl dissipation kinetics and its residue effect on soil extra-cellular and intra-cellular enzymatic activity in four different soils of India. *J. Environ. Sci. Health, Part B,* 50: 90-98. [NAAS: 7.23]
7. **Shabeer A.T.P., Banerjee Kaushik,** Jadhav M., Girame R., Utture S.C., Hingmire S., Oulkar S.P. (2015). Residue dissipation and processing factor for dimethomorph, famoxadone and cymoxanil during raisin preparation. *Food Chem.* 170: 180-185. [NAAS: 9.26]
8. Khan Z., Ghosh R.K., Girame R., Utture S.C., Gadgil M., **Banerjee Kaushik**, Reddy D.D., Johnson N. (2014). Optimization of a sample preparation method for multiresidue analysis of pesticides in tobacco by single and multi-dimensional gas chromatography-mass spectrometry. *J Chromatogr. A.* 1343: 200-206. [NAAS: 10.26]
9. **Ahammed Shabeer T.P.,** Ajoy Saha, Gajbhiye V.T., Suman Gupta, K.M. Manjaiah and Eldho Varghese (2014) Removal of Poly Aromatic Hydrocarbons (PAHs) from Water: Effect of Nano and Modified Nano-clays as a Flocculation Aid and Adsorbent in Coagulation flocculation Process. *Polycyclic Aromatic Compounds*, 34:452–467. [NAAS: 6.83]