FORM – A : RESULT OF ONGOING EXPERIMENT

01.	*Experiment number and title (As per CJA)	:	13.4.3.57 and Growth Evaluation of different bamboo species	
02.	Budget Head		352/12029	
03.	Collaborative department, if any		NA	
04.	Location and Agro-climatic sub region	:	Rambhas Farm, Navsari Agricultural University, Rambhas, Waghai, The Dangs and AES-III (Heavy Raifall Zone), South Gujarat	
05.	Objectives		1. To study growth variations among different species of bamboo at Waghai 2.To study correlation of growth parameters with biomass in bamboo species	
06.	Investigators	:	**PI:** Dr. Jayesh Pathak, Assistant Professor (Agroforestry) **Co-PIs:** Dr. M. B. Tandel, Assistant Professor (Forestry) Dr. M. K. Desai, Assistant Professor (Agroforestry) Dr. S. M. Patel, Assistant Professor (Agroforestry)	
07.	Year of commencement	:	2017-18	
08.	Season	:	NA	
09.	Crop and variety	:	Different Bamboo Species	
10.	Experimental details	:		
	(a) Treatments	:	14	
	(b) Design	:	Randomized Block Design (RBD)	
	(c) Replications	:	3	
	(d) Plot size	:	Gross	- ____ m x ____ m
			Net	- ____ m x ____ m
11	Cultural details			
	(a) Previous crops and fertilizers	:	NA	
	(b) Sowing date	:	NA	
	(c) Seed rate		NA	
	(d) Spacing		7.0 m × 7.0 m	
	(e) manures and fertilizers		NA	
	(f) No. of irrigation with date		NA	
	(g) Cultural operations with date		NA	
	(h) Plant protection measures		NA	
	(i) Harvesting date		NA	
12.	Soil analysis		NA	
13.	Input analysis		NA	
14.	Results (Table/s with statistical analysis and Interpretation)	:	Mean growth data of different bamboo species at 5^{th} year were recorded for well established 14 bamboo species are depicted in following table.	

Sr. No.	Bamboo Species	Age of Clump (years)	No. of Culms/ Clump	Clump Height (m)	Culm Girth (cm)	Clump Girth (m)	Internodal Length (cm)
1.	*Dendrocalamus hamiltonii*	5.5	10.92	11.78	22.97	3.89	28.05
2.	*Dendrocalamus giganteus*	5.5	9.36	2.46	4.05	1.89	17.64
3.	*Dendrocalamus stocksii*	5.5	6.76	5.20	9.21	1.62	20.76
4.	*Dendrocalamus strictus*	5.5	10.92	5.32	6.35	4.49	16.02
5.	*Dendrocalamus brandisii*	5.5	13.36	2.68	3.01	1.94	19.95
6.	*Bambusa nutans*	4.5	9.36	5.72	11.44	1.29	25.81
7.	*Bambusa balcooa*	5.5	7.45	10.49	20.74	2.85	30.93
8.	*Bambusa vulgaris* var. *vulgaris*	5.5	20.96	10.40	21.92	6.08	32.91
9.	*Bambusa polymorpha*	5.5	13.36	9.90	17.01	2.33	48.00
10.	*Bambusa bambos*	5.5	9.01	7.35	14.93	1.47	25.56
11.	*Oxytenanthera parvifolia*	5.5	18.55	6.83	10.33	2.96	34.90
12.	*Dendrocalamus longispathus*	5.5	12.65	11.12	17.63	4.24	36.39
13.	*Schizostachyum pergracile*	5.5	14.21	8.69	12.00	4.59	39.64
14.	*Thyrsostachys oliveri*	5.5	20.96	9.69	14.86	2.26	24.19

15.	Remarks (for abnormal experimental results only)	:	NA
16.	Reasons for abnormal conditions affecting experimental results and low yield if any be given in brief. e.g. uneven plant stand, pest and disease incidence, weather conditions, etc.	:	NA
17.	Any other information	:	Out of 18 species 16 species planted at experimental plot and 14 species have been established. Therefore, mean growth data of 14 species for 5^{th} year were taken and presented in table-1. Hence only 14 species will be carried further for growth evaluation experiment.