

EP.No. 328 /2011-12 - Establishment of Clonal Seed Orchard and conversion into seed stand of *Melia dubia*.

1	IUCN Conservation Status	:	Not listed
2	Range / Location	:	Denkanikottai (R) Range Maragatta (R) Centre
3	Objectives	:	<ul style="list-style-type: none"> • Collection of good quality seeds. • Assemblage of superior CPT's for getting quality seeds.
4	Area	:	1 ha
5	Planted / Survival	:	400 / 163.
6	Period of experiment	:	2011-Permanent.
7	Season- month	:	Flowering-April-June Fruiting-July-December
8	Details of fruit yield	:	During 2024-25, 10 kg of seeds were collected and sent to the Trichy Seed Centre.
9	Current status	:	Based on the growth parameters such as Height and girth, the average height was recorded as 11.45 m and the average girth as 61.42 cm, with a survival rate of 40 %.



CPT-wise growth rate – *Melia dubia*

S. No.	EP. No.	Name of the Experiment	Details of CPT's			No. of trees	Survival	Av. ht. (m)	Increment height (m)	Av. Girth (cm)	Av. Dia (cm)	Increment dia (cm)	Tallest tree (m)	Increment height (m)	Max girth (cm)	Max dia (cm)	Increment dia (cm)
			No of CPT's	Name of the CPT's	Location												
1	328/2011-12	Establishment of Clonal Seed Orchard and conversion into seed stand of <i>Melia dubia</i>	1	Anchetti 1	Krishnagiri	20	8	10.831	0.83	60.88	19.389	1.49	13.6	1.05	96	30.57	2.35
			2	Anchetti 2	Krishnagiri	20	10	11.375	0.88	60.7	19.331	1.49	13.35	1.03	82	26.11	2.01
			3	Anchetti 3	Krishnagiri	20	8	11.338	0.87	62.63	19.946	1.53	12.5	0.96	72	22.93	1.76
			4	Geejanakuppam 1	Krishnagiri	20	6	11.492	0.88	60.17	19.162	1.47	12.15	0.93	74	23.57	1.81
			5	Geejanakuppam 2	Krishnagiri	20	7	11.435	0.88	58.43	18.608	1.43	12.9	0.99	79	25.16	1.94
			6	Geejanakuppam 3	Krishnagiri	20	8	11.931	0.92	70.25	22.373	1.72	14.0	1.08	87	27.71	2.13
			7	Ramachandra Kadu-1	Krishnagiri	20	10	11.57	0.89	65.9	20.987	1.61	14.0	1.08	105	33.44	2.57
			8	Ramachandra Kadu-2	Krishnagiri	20	7	11.429	0.88	62.57	19.927	1.53	13.25	1.02	81	25.80	1.98
			9	Ramachandra Kadu-3	Krishnagiri	20	6	11.542	0.89	58.33	18.576	1.43	12.9	0.99	70	22.29	1.71
			10	Kunthukottai 1	Krishnagiri	20	7	11.4	0.88	64.54	20.554	1.58	12.9	0.99	85	27.07	2.08
			11	Kunthukottai 2	Krishnagiri	20	11	11.055	0.85	53.27	16.965	1.30	14.1	1.08	75	23.89	1.84
			12	Varattupallam 1	Erode	20	9	10.956	0.84	57.22	18.223	1.40	12.0	0.92	72	22.93	1.76
			13	Varattupallam 2	Erode	20	11	11.759	0.90	62.45	19.889	1.53	13.0	1.00	91	28.98	2.23
			14	Varattupallam 3	Erode	20	9	11.361	0.87	61.67	19.640	1.51	13.0	1.00	72	22.93	1.76
			15	Varattupallam 4	Erode	20	8	11.475	0.88	61.75	19.666	1.51	14.0	1.08	75	23.89	1.84
			16	Alahally 1	Krishnagiri	20	6	12.6	0.97	60.83	19.373	1.49	13.65	1.05	70	22.29	1.71
			17	Alahally 2	Krishnagiri	20	7	11.5	0.88	61.43	19.564	1.50	14.0	1.08	88	28.03	2.16
			18	A K Mottur 1	Tirupathur	20	8	11.406	0.88	66.57	21.201	1.63	12.75	0.98	80	25.48	1.96
			19	A K Mottur 2	Tirupathur	20	6	11.258	0.87	58.83	18.736	1.44	13.25	1.02	75	23.89	1.84
			20	A K Mottur 3	Tirupathur	20	11	11.241	0.86	60	19.108	1.47	13.75	1.06	78	24.84	1.91
Total / averages						400	163	11.44	0.88	61.42	19.561	1.50	13.3	1.019	80.35	25.59	1.97