

EP.No. 62 /2008-09- Establishment of Clonal Seed Orchard of *Tectona grandis*.

1	IUCN Conservation Status	:	Endangered
2	Range / Location	:	Chengam (R) Range Melchengam (R) Centre
3	Objectives	:	<ul style="list-style-type: none">• To produce quality planting materials.• To identify the genetic characters of identified CPTs.
4	Area	:	2 ha
5	Planted / Survival	:	1026 / 934.
6	Period of experiment	:	2008-Permanent.
7	Season- month	:	Flowering: June-September. Fruiting: November-January.
8	Details of fruit yield	:	A total of 3.5 kg (2025–26) of seeds were collected and sent to the Trichy Seed Centre.
9	Current status	:	The average height is 7.32 m and the average girth as 44.21 cm. The trees are performing well with a survival rate of 91 %.



CPT-wise growth rate – *Tectona grandis*

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 clones	Location												
1	62/2008-09	Establishment of Clonal Seed Orchard of <i>Tectona grandis</i>	Amaravathy research centre, Pollachi research range in Tamil Nadu	1	CPT-1 TNT-22	38	38	8.861	0.554	51.5	16.401	1.025	13.5	0.844	92	29.299	1.831
				2	CPT-2 TNT-14	38	38	8.718	0.545	47.4	15.096	0.943	13.3	0.831	68	21.656	1.354
				3	CPT-3 TNT-19	38	36	8.709	0.544	44.8	14.268	0.892	15.5	0.969	82	26.115	1.632
				4	CPT-4 TNT-17	38	36	8.308	0.519	47.2	15.032	0.939	11.9	0.744	69	21.975	1.373
				5	CPT-5 TNT-20	38	34	9.1	0.569	44.8	14.268	0.892	15.1	0.944	72	22.930	1.433
				6	CPT-6 TNT-21	38	36	8.827	0.552	49.6	15.796	0.987	13.5	0.844	69	21.975	1.373
				7	CPT-7 TNT-23	38	36	9.08	0.568	48.6	15.478	0.967	14.05	0.878	79	25.159	1.572
				8	CPT-8 TNT-15	38	36	8.879	0.555	47.8	15.223	0.951	13.2	0.825	74	23.567	1.473
				9	CPT-9 TNT-24	38	35	6.806	0.425	48.8	15.541	0.971	14.2	0.888	78	24.841	1.553
				10	CPT-10 TNT-18	38	35	8.777	0.549	48.3	15.382	0.961	13.4	0.838	75	23.885	1.493
				11	CPT-11 TNT-25	38	34	8.598	0.537	46.7	14.873	0.930	13.2	0.825	73	23.248	1.453
				12	CPT-12 TNT-16	38	37	7.666	0.479	46.2	14.713	0.920	13.6	0.850	83	26.433	1.652
				13	CPT-13 SBL-1	38	38	7.586	0.474	45	14.331	0.896	12.8	0.800	80	25.478	1.592
				14	CPT-14 TNT-7	38	35	7.092	0.443	42.7	13.599	0.850	13.6	0.850	69	21.975	1.373
				15	CPT-15 TNT-5	38	37	7.2	0.450	44.8	14.268	0.892	14.1	0.881	88	28.025	1.752
				16	CPT-16 TNT-6	38	34	6.561	0.410	44.6	14.204	0.888	11.95	0.747	89	28.344	1.771
				17	CPT-17 TNT-11	38	35	6.204	0.388	38.8	12.357	0.772	13.1	0.819	82	26.115	1.632
				18	CPT-18 TNT-4	38	34	5.602	0.350	33.6	10.701	0.669	13.1	0.819	63	20.064	1.254
				19	CPT-19 TNT-10	38	36	6.401	0.400	40	12.739	0.796	12.7	0.794	79	25.159	1.572
				20	CPT-20 TNT-9	38	34	6.545	0.409	41.7	13.280	0.830	13.7	0.856	77	24.522	1.533
				21	CPT-21 TNT-13	38	34	6.369	0.398	43.5	13.854	0.866	11.2	0.700	73	23.248	1.453
				22	CPT-22 TNT-8	38	29	6.175	0.386	42.5	13.535	0.846	10	0.625	75	23.885	1.493
				23	CPT-22 TNT-12	38	35	6.965	0.435	50.6	16.115	1.007	11.3	0.706	86	27.389	1.712
				24	CPT-22KLS-1	38	36	7.041	0.440	43.5	13.854	0.866	11.6	0.725	73	23.248	1.453
				25	CPT-22KLK-1	38	33	6.084	0.380	42	13.376	0.836	10	0.625	69	21.975	1.373
				26	CPT-22KLN-1	38	31	5.788	0.362	39.8	12.675	0.792	8.1	0.506	63	20.064	1.254
				27	CPT-22KLS-2	38	22	3.943	0.246	28.9	9.204	0.575	7.4	0.463	53	16.879	1.055
Total / averages						1026	934	7.329	0.458	44.21	14.08	0.88	12.559	0.78	75.30	23.98	1.50