

**EP.No. 256 /2010-11 - Formation of *Tectona grandis* CSO for further multiplication.**

<b>1</b>	<b>IUCN Conservation Status</b>	:	Endangered
<b>2</b>	<b>Range / Location</b>	:	Chengam (R) Range Jamunamarathur (R) Centre
<b>3</b>	<b>Objectives</b>	:	<ul style="list-style-type: none"><li>• To generate sufficient and superior quality seeds.</li><li>• To get quality planting stock for mass multiplication.</li></ul>
<b>4</b>	<b>Area</b>	:	1 ha
<b>5</b>	<b>Planted / Survival</b>	:	625 / 520.
<b>6</b>	<b>Period of experiment</b>	:	2010-Permanent.
<b>7</b>	<b>Season- month</b>	:	Flowering: June-September. Fruiting: November-January.
<b>8</b>	<b>Details of fruit yield</b>	:	Fruiting was observed in some trees; however, seed collection could not be carried out as most of the fruits were immature.
<b>9</b>	<b>Current status</b>	:	The average height is 6.56 m and the average girth as 35.40 cm. The trees are performing well with a survival rate of 83 %.



## 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	256 /2010-11	Formation of <i>Tectona grandis</i> CSO for further multiplication	1	TNT22	Thoonakkadavu @ kerala	27	22	6.17	0.441	27.4	8.726	0.623	10	0.714	40	12.739	0.910
			2	TNT14		27	24	6.35	0.454	32.3	10.287	0.735	9	0.643	49	15.605	1.115
			3	TNT 19		27	21	6.86	0.490	37.1	11.815	0.844	8.75	0.625	62	19.745	1.410
			4	TNT17		27	23	6.681	0.477	30.3	9.650	0.689	9	0.643	57	18.153	1.297
			5	TNT20		14	11	6.32	0.451	34.3	10.924	0.780	8.25	0.589	53	16.879	1.206
			6	TNT21		27	26	5.77	0.412	31.4	10.000	0.714	8	0.571	51	16.242	1.160
			7	TNT23		28	24	6.25	0.446	36.4	11.592	0.828	9	0.643	52	16.561	1.183
			8	TNT15		28	25	6.406	0.458	35	11.146	0.796	9.15	0.654	50	15.924	1.137
			9	TNT24		28	22	6.38	0.456	38.8	12.357	0.883	8.25	0.589	54	17.197	1.228
			10	TNT18		28	25	6.44	0.460	35.4	11.274	0.805	8.5	0.607	57	18.153	1.297
			11	TNT25		29	22	6.409	0.458	35.7	11.369	0.812	8.5	0.607	62	19.745	1.410
			12	TNT16		29	27	6.72	0.480	35.9	11.433	0.817	8.5	0.607	57	18.153	1.297
			13	SBL1		29	26	6.62	0.473	38	12.102	0.864	8.5	0.607	54	17.197	1.228
			14	TNT7		29	22	6.7818	0.484	38.2	12.166	0.869	9.25	0.661	78	24.841	1.774
			15	TNT5		29	22	7.28	0.520	40.1	12.771	0.912	9.5	0.679	65	20.701	1.479
			16	TNT6		30	26	7.389	0.528	40.4	12.866	0.919	10	0.714	63	20.064	1.433
			17	TNT11		31	25	6.802	0.486	37.8	12.038	0.860	9.5	0.679	73	23.248	1.661
			18	TNT4		31	26	6.967	0.498	39	12.420	0.887	9.15	0.654	61	19.427	1.388
			19	TNT10		31	26	6.646	0.475	41.2	13.121	0.937	9.15	0.654	72	22.930	1.638
			20	TNT9		32	30	6.982	0.499	35.7	11.369	0.812	10	0.714	62	19.745	1.410
			21	TNT13		32	21	6.573	0.470	33.7	10.732	0.767	10	0.714	60	19.108	1.365
			22	TNT8		32	24	5.552	0.397	26.4	8.408	0.601	9	0.643	49	15.605	1.115
Total / averages						625	520	6.56	0.47	35.40	11.30	0.807	9.0	0.646	58.23	18.54	1.32