

ANNEXURE -I**Species wise and Diameter class wise enumeration of trees to be removed****Form No .II****MARKING AND FELLING REGISTER SHOWING GROSS YIELD OF TIMBER BY GOVERNMENT****AGENCY - Section 45 and 49 -TWAD Board Work****Division:** Thanjavur**Range:** Kumbakonam**Name and Year of Plantation:** 2014-Maharajapuram-Kollidam RB

Sl. No.	Tree No.	Species	Bottom Girth in cm (OB)	B. H. Girth in cm (OB)	Height in Meter (OB)	Branches			Volume In m3 Based on GBH & Full Height	Remarks- Teak class Based on Form-II
						1	2	3		
1	1	TEAK	48	36	3.00				0.024	UC-II(Unclassified)
2	4	TEAK	50	49	3.00				0.045	UC-II(Unclassified)
3	5	TEAK	51	35	3.00				0.023	UC-II(Unclassified)
4	7	TEAK	61	44	4.00				0.048	UC-II(Unclassified)
5	8	TEAK	43	35	3.00				0.023	UC-II(Unclassified)
6	10	TEAK	47	41	4.00				0.042	UC-II(Unclassified)
7	11	TEAK	58	42	4.00				0.044	UC-II(Unclassified)
8	14	TEAK	52	39	3.50				0.033	UC-II(Unclassified)
9	15	TEAK	53	38	4.00				0.036	UC-II(Unclassified)
10	19	TEAK	55	47	4.00				0.055	UC-II(Unclassified)
11	31	TEAK	49	41	4.00				0.042	UC-II(Unclassified)
12	32	TEAK	49	39	4.00				0.038	UC-II(Unclassified)
13	33	TEAK	55	44	4.00				0.048	UC-II(Unclassified)
14	35	TEAK	51	37	4.00				0.034	UC-II(Unclassified)
15	36	TEAK	60	43	4.00				0.046	UC-II(Unclassified)
16	37	TEAK	53	40	4.00				0.040	UC-II(Unclassified)
17	38	TEAK	57	44	4.00				0.048	UC-II(Unclassified)
18	42	TEAK	56	49	4.00				0.060	UC-II(Unclassified)
						Total Volume(m3)			0.729	

Note:

* Girth at Breast Height (over bark) was taken to calculate volume, while taking FORM-III , Mid Girth(Under Bark) will be taken into account for calculating volume. Some of the above said trees may find place in Pole class since Girth at log's Midpoint that too Under bark will always lesser than Girth at Breast height over bark.

Form No .II

MARKING AND FELLING REGISTER SHOWING GROSS YIELD OF TIMBER BY GOVERNMENT

AGENCY - Section 45 and 49 - TWAD Board Work

Division: Thanjavur

Range: Kumbakonam

Name and Year of Plantation: 2014-Maharajapuram-Kollidam RB

Sl. No.	Tree No.	Species	Bottom Girth in cm (OB)	Girth at BH in cm (OB)	Height in Meter (OB)	Branches			Volume In m3 Based on BG & Top Height	Remarks- Teak class Based on Form-II
						1	2	3		
1	2	TEAK	41	26	2.00				0.021	Under Size(TP US)
2	3	TEAK	42	29	3.00				0.033	Teak pole Short(TPS IV)
3	6	TEAK	46	29	3.00				0.040	Teak pole Short(TPS III)
4	9	TEAK	38	28	2.00				0.018	Under Size(TP US)
5	12	TEAK	42	29	3.00				0.033	Teak pole Short(TPS IV)
6	13	TEAK	37	27	2.00				0.017	Under Size(TP US)
7	16	TEAK	47	27	3.00				0.041	Teak pole Short(TPS IV)
8	17	TEAK	35	23	2.00				0.015	Under Size(TP US)
9	18	TEAK	49	29	3.00				0.045	Teak pole Short(TPS IV)
10	20	TEAK	42	29	3.00				0.033	Teak pole Short(TPS IV)
11	21	TEAK	30	24	3.00				0.017	Teak pole Short(TPS IV)
12	22	TEAK	33	27	2.00				0.014	Under Size(TP US)
13	23	TEAK	40	29	3.00				0.030	Teak pole Short(TPS IV)
14	24	TEAK	52	29	2.00				0.034	Under Size(TP US)
15	25	TEAK	36	26	1.50				0.012	Under Size(TP US)
16	26	TEAK	42	29	3.00				0.033	Teak pole Short(TPS IV)
17	27	TEAK	37	29	2.00				0.017	Under Size(TP US)
18	28	TEAK	43	28	4.00				0.046	Teak pole Short(TPS IV)
19	29	TEAK	32	22	2.00				0.013	Under Size(TP US)
20	30	TEAK	38	26	2.00				0.018	Under Size(TP US)
21	34	TEAK	38	28	3.00				0.027	Teak pole Short(TPS IV)
22	39	TEAK	32	21	2.00				0.013	Under Size(TP US)
23	40	TEAK	32	22	2.00				0.013	Under Size(TP US)
24	41	TEAK	35	24	1.50				0.011	Under Size(TP US)
25	43	TEAK	40	26	3.00				0.030	Teak pole Short(TPS IV)
26	44	TEAK	34	26	1.50				0.011	Under Size(TP US)
27	45	TEAK	31	26	2.00				0.012	Under Size(TP US)
28	46	TEAK	35	25	3.00				0.023	Teak pole Short(TPS IV)
29	47	TEAK	40	26	3.00				0.030	Teak pole Short(TPS IV)

Form No .II


**MARKING AND FELLING REGISTER SHOWING GROSS YIELD OF TIMBER BY
GOVERNMENT AGENCY - Section 45 and 49 - TWAD Board Work**

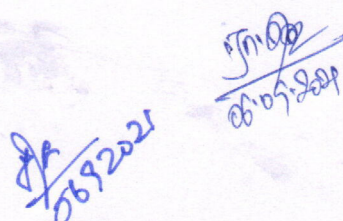
Range : **Kumbakonam** Name and Year of Plantation : 2014-Maharajapuram-Kollidam RB

Sl. No.	Tree No.	Species	Bottom Girth in cm (OB)	Girth at BH in cm (OB)	Height in Meter (OB)	Branches			Volume In m3 Based on BG & Top Height(M³)	Remarks Teak class
						1	2	3		
30	48	TEAK	37	26	3.00				0.026	Teak pole Short(TPS IV)
31	49	TEAK	37	24	3.00				0.026	Teak pole Short(TPS IV)
32	50	TEAK	36	28	3.00				0.024	Teak pole Short(TPS IV)
33	51	TEAK	37	25	2.00				0.017	Under Size(TP US)
34	52	TEAK	43	27	3.00				0.035	Teak pole Short(TPS IV)
35	53	TEAK	38	27	2.00				0.018	Under Size(TP US)
36	54	TEAK	41	29	3.00				0.032	Teak pole Short(TPS IV)
						Total Volume (m3)			0.878	

Note:

* Girth at Breast Height (over bark) was taken to calculate volume, while taking FORM-III, Mid Girth(Under Bark) will be taken into account for calculating volume. Some of the above said trees may find place in Pole class since Girth at log's Mid point that too Under bark will always lesser than Girth at Breast height over bark.


 District Forest Officer,
 Thanjavur Division,
 Thanjavur


 06/05/2021

Form No .II

**MARKING AND FELLING REGISTER SHOWING GROSS YIELD OF TIMBER BY GOVERNMENT
AGENCY - Section 45 and 49 - TWAD Board Work**

Division: INDUSTRIAL WOOD RESEARCH DIVISION, TRICHIRAPPALLI

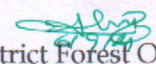
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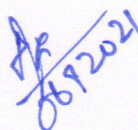
SHOLAPURAM RESEARCH CENTRE

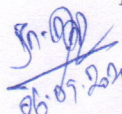
Sl. No	Tree No.	Species	Bottom Girth cm (OB)	Girth At Breast Height cm (OB)	Height in Meter (OB)	Branches			Volume In m3 Based on GBH & Full Height	Remarks- Teak class Based on Form-II/ GBH GBH&Full Height
						1	2	3		
1	IWRD 1	TEAK	185	144	7.00				0.907	C II
2	IWRD 2	TEAK	118	106	6.00				0.421	C III
3	IWRD 3	TEAK	118	94	7.00				0.387	C III
4	IWRD 4	TEAK	162	127	8.00				0.806	C II
5	IWRD 5	TEAK	136	119	7.00				0.620	C III
6	IWRD 6	TEAK	105	93	6.00				0.324	C III
7	IWRD 7	TEAK	114	92	5.00				0.264	C III
8	IWRD 8	TEAK	110	89	4.00				0.198	C III
9	IWRD 9	TEAK	105	84	5.00				0.220	UC I
10	IWRD 10	TEAK	148	116	8.50				0.715	C III
11	IWRD 11	TEAK	173	131	8.00				0.858	C II
						Total			5.720	
						Volume(m3)				

Note:

* Girth at Breast Height (over bark) was taken to calculate volume, while taking FORM-III, Mid Girth(Under Bark) will be taken into account for calculating volume.


District Forest Officer,
Thanjavur Division,
Thanjavur

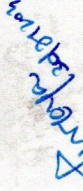

06/09/2021


06/09/2021

Annexure – II

Loss of Forest Produce

Sl.No	Year of plantation	Name of the plantation	Area (ha)	Species	Total Numbers planted	Raising & Maintenance Cost (Rs)	Numbers available at present	Numbers to be removed for TWAD Work	Present Value of Produce (Rs)	Plantation loss (Raising, planting & maintenance)	Removal Cost (Rs)	Compensatory Afforestation cost (For 650 Seedlings with 10 Years Maintenance and Chain link fencing)
1	2014	Maharajapuram-KOLLIDAM RB	50	TEAK	10000	6,60,000	5027	54	46,603/-	Rs.3564/-	Rs.91,000	Rs. 31,21,109/-
2	1991	Seedling Seed Orchard - Sholapuram Research Centre KOLLIDAM RB	1.12	TEAK	448	4,435	104	11	4,97,416/-	Rs110/-	Rs.91,000/-	Rs. 31,21,109/-
Total												
										Rs.3674/-	Rs.91,000/-	Rs. 31,21,109/-


 District Forest Officer,
 Thanjavur Division,
 Thanjavur


 20.07.2021

ANNEXURE - III

Estimate for Extraction of 65 Immature Teak trees inside Maharajapuram Reserved Forests (Kollidam-RB) for TWAD Board Work in Kumbakonam Range of Thanjavur Forest division.

Estimate Amount: Rs. 91,000/-

Model Estimate for Extration of Immature Teak trees at MaharajapuramRF(Kollidam-RB) for TWAD Board Work in Kumbakonam Range of Thanjavur Division 2021-22

i) Name of River / Canal Kollidam-RB (Maharajapuram)

ii) Year and Name of plantation 1991 & 2014 - Teak Plantation

Kollidam-RB		Total
2014	1991	
54	11	65

iii) No. of trees to be felled

iv) Date of checking of Form II by the DFO

v) Date of checking of Form II by the CF

vi) Tree Cutting order No. and date

vii) Name of proposed Depot and Distance Depot : Pillaiyarpatti Distance: 90km

Sl. No	Qty	Unit	Description of the work	Unit Code	Mandays as per PCCF FSL	Rate in Rs. Ps per unit PCCF FSL rate for the year	Rate Per Tree/ Log/M ³	Amount in (Rs.)
1	33	Tree	Clearing the natural growth in the canal bank areas for light growth around each tree.(50% of the survival)	6.5.1 (FSR-2021-22)	0.0625	460.25	28.766	949.00
2	65	Tree	Enumeration and blazing of trees and numbering at two places one at breast height and other bottom and taking measurement for Form II	6.5.2 (FSR-2021-22)	0.0285	460.25	13.117	853.00
3	65	Tree	Cost of paint 10 ml./per tree (Field operation)	6.5.10. Local Rate	LS (LMR)	750.00	7.500	488.00
4	65	Tree	Girdling of trees by way of removing the bark in 30cm	6.5.3 (FSR-2021-22)	0.1250	460.25	57.531	3740.00
5			Felling trees with saw of all girth 30 cm and above					
	56	Tree	Below 90cm (Bottom girth)	52 (PWD SSR-2020-21)	0.2000	546.00	109.200	6115.00
	3	Tree	90cm - 119cm (Bottom girth)	52 (PWD SSR-2020-21)	0.3300	546.00	180.180	541.00
	3	Tree	120cm-149cm (Bottom girth)	52 (PWD SSR-2020-21)	0.5000	546.00	273.000	819.00
	3	Tree	150cm and above	52 (PWD SSR-2020-21)	1.0000	546.00	546.000	1638.00
6	65	Tree	Pruning the branches in the felled trees and stacking.	52 (PWD SSR-2020-21)	0.1000	546.00	54.600	3549.00

Sl. No	Qty	Unit	Description of the work	Unit Code	Mandays as per PCCF FSL	Rate in Rs. Ps per unit PCCF FSL rate for the year	Rate Per Tree/ Log/M ³	Amount in (Rs.)
7	160	Log	Cost of Paint 10ml/tree/log	52 (PWD SSR-2020-44 (PWD SSR-2020-21))	LS	750.00	7.500	1200.00
8	160	Log	Numbering the individual logs by paints.	52 (PWD SSR-2020-21)	0.0190	615.00	11.685	1870.00
9	7.50	M ³	Conversion of felled trees in to logs and numbering at both ends including removal of a strip of bark in the middle for taking middle girth measurement.	52 (PWD SSR-2020-21)	4.0000	546.00	2184.000	16380.00
10	7.50	M ³	Form III measurement taking, checking, recording and preparing invoice by skilled timber measurer.	52 (PWD SSR-2020-21)	0.4000	546.00	218.400	1638.00
11	7.50	M ³	Dragging the timber logs from felling site to road site upto a distance of 2Km.	52 (PWD SSR-2020-21)	2.0000	546.00	1092.000	8190.00
12	7.50	M ³	Loading and unloading of timber logs from field site and depot site.	6.5.8 (FSR-2021-22)	0.5000	460.25	230.125	1726.00
13	7.50	M ³	Transporting of timber logs from road site to Central timber depot. (Local Market Rate, 1Km/M3/ Rs.40/-)	6.5.9. LMR	LS (90km)	40	3600.000	27000.00
14	160	Log	Cost of paint 10 ml /log .(Local Market Rate)	6.5.10. Local Rate	LS (LMR)	750	7.500	1200.00
15	160	Log	Depot Operation-Numbering the individual logs in pain. (Local Market Rate)	44 (PWD SSR-2020-21)	0.0190	615.00	11.685	1870.00
16	7.50	M ³	Assistance for receiving invoice , measuring, numbering, checking of measurement classification of Quality & finding defect by skilled labour for grading	52 (PWD SSR-2020-21)	0.4000	546.00	218.400	1638.00
17	7.50	M ³	Dragging the timber logs inside the depot and sorting, stacking and lotting of timber.	52 (PWD SSR-2020-21)	2.0000	546.00	1092.000	8190.00
18	-	L.S	Contingencies (Preparation of lot reg, nailing of name boards, dummy lot preparation, etc.)	LS (LMR)	-	-	-	1406.00
			TOTAL				Rs.	91000.00

- 1) 10 Trees = Estimate rate = Rs.14000.00
2) 1 Tree = (0.115M³)/RS.1400.00/-
3) 1 M³ = Estimate rate per volume = Rs. 12133.00

C. No.510 /2021dt.26.07.2021

Sir,
Submitted to District Forest Officer, Thanjavur

[Signature]
Forest Range Officer
Kumbakonam Range
Kumbakonam
26.7.2021

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Thanjavur Division,
Thanjavur

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26.07.2021