

PART-II

(To be filled by the concerned Deputy Conservator of Forests)

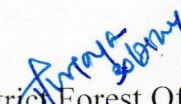
State Serial No. of Proposal: FP/TN/WATER/142613/2021)

1	Location of the Project / Scheme	
i)	State	Tamil Nadu
ii)	District	Thanjavur
iii)	Forest Division	Thanjavur Forest Division.
iv)	Area of forest land proposed for Diversion (in ha.)	Creation of Additional source of Pump house at Ayyanallur Village: 0.1925 ha Total : 0.1925 ha
v)	Legal status of forest	Reserved Forest. Inside Maharajapuram Reserved Forest notified under TNFA 1882 vide Govt letter no. 44540/FR III/88-1, E&F dated: 16.11.1988. The RF is not a part of any Wildlife Sanctuary or National park.
vi)	Density of Vegetation	There are 65 Teak trees earmarked for removal and all of them are planted by Forest Department. No rare, endangered and threatened (RET) species to be removed for this project. 10 times of 65 teak trees i.e 650 teak trees will be planted in the same Reserved Forest as Compensatory Afforestation.
vii)	Species – wise (scientific names) and Diameter class – wise enumeration of trees (to be enclosed. In case of Irrigation / hydel Projects enumeration at FRL, FRL-2 Meters & FRL – 4 meter also to be enclosed.)	Details are enclosed in the Annexure-I
viii)	Brief note on vulnerability of the forest	No Rare and Endangered Species are found in the proposed site. The site is plain area and there is no risk of soil erosion. Hence not fall under vulnerable category.
ix)	Approximate distance of proposed site for diversion from boundary of Forests	Within the Maharajapuram Reserved Forest.

x)	Whether forms part of National Park, Wildlife sanctuary, biosphere reserve, tiger Reserve, elephant corridor, etc., (If so, the Details of the area and comments of the Chief wild life warden to be annexed)	No
xi)	Whether any rare / unique species of Flora and fauna found in the area if so details thereof.	No
xii)	Whether any protected archaeological heritage site / defence establishment of any other important movement is located in the area. If so details thereof with NOC from competent authority, if required.	No
2	Whether the requirement of forest land as proposed by the user agency in col.2 of part I is unavoidable and barest minimum for the project. If no, recommended area item wise with details of alternatives examined.	As per Geological Survey, the proposed site is found to be suitable for construction of this project. Hence the proposed area is unavoidable as the project is critical for drinking water purpose. It is also stated that barest minimum land only proposed for diversion.
3	Whether any work in violation of the Act has been carried out (Yes/No), If yes, details of the same including period of work done action taken on carrying officials. Whether work in violation is still in progress.	No violation.
4	Details of compensatory Afforestation Scheme.	
i)	Details of non-forest area / degraded forest No, number of patches, size of each patch.	Does not arise
ii)	Map showing non-forest area identified for compensatory Afforestation and adjoining forest boundaries.	Does not arise

iii)	Detailed compensatory Afforestation scheme including species to be planted, implementing agency, time schedule, cost structure, etc	Compensatory Afforestation scheme will be carried out by the Thanjavur Forest Division within one year from the date of sanction and release of funds. Cost table is furnished in the Annexure IV & V enclosed.
iv)	Total financial outlay for compensatory Afforestation scheme.	<p>(i). Compensatory Afforestation Cost:</p> <p>(a). Loss of Forest Produce-Rs.3674/- (Annexure-II enclosed)</p> <p>(b). Harvesting cost of 65 teak trees-Rs.91,000/- (Annexure-III enclosed)</p> <p>(c). Raising 650 teak seedlings as Compensatory Afforestation – Rs. 28,01,109/- including raising, planting and 10 years maintenance (Annexure – IV enclosed)</p> <p>(d). Providing chain link fencing for Compensatory Afforestation site – Rs.3,20,000/- (Annexure – V enclosed)</p> <p>Total Amount = Rs. 32,15,783/-</p> <p>(ii). Net Present Value has to be collected from the user agency.</p> <p>Net Present Value: = 0.1925 Ha x Rs.8,03,000/Ha = Rs.1,54,578/- (Eco-Value Class-III, Degraded Forest, Tropical Dry Deciduous Forests.)</p>
v)	Certificates from competent authority Regarding suitability of area identified for Compensatory Afforestation and from Management point of view. (to be signed by the concerned Deputy Conservator of Forests).	Suitable land for Compensatory Afforestation identified inside Maharajapuram Reserved Forest. It will help to remove Invasive Alien Species inside the RF and it can be protected well by the frontline staffs. Certificate enclosed.
5	Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col.1 (xi, xii) 2 and 3 above.	Yes, the proposed site has been inspected on 05.07.2021 and 28.07.2021. Inspection report is enclosed.
6	Division / District Profile.	
i)	Geographical area of the District	339657 ha

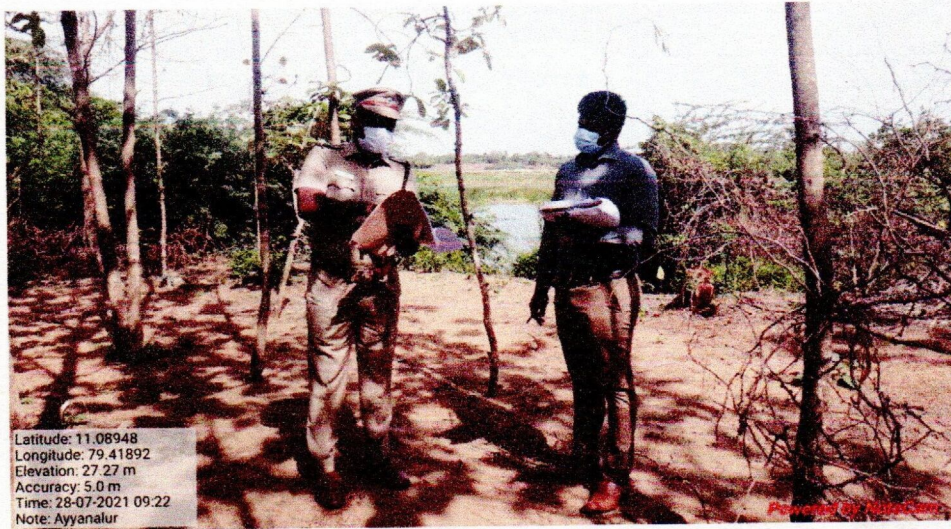
ii)	Forest area of the District	1027.62.5 ha
iii)	Total forest area diverted since 1980 with number of cases.	0.8212 ha diverted with 3 cases.
iv)	Total Compensatory Afforestation in the District / Division since 1980 and as so 30.06.2021 on	--
	a) Forest land including penal Compensatory Afforestation	--
	b) Non-Forest land.	--
v)	Progress of compensatory Afforestation as on (Date) 30.06.2021 on	Does not arise.
	a) Forest Land.	--
	b) Non Forest Land	--
7	Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons.	The proposal is hereby recommended as the project is designed to provide drinking water facilities to 893 habitations and a population of 4,88,261 in Nagapattinam District.


 District Forest Officer,
 Thanjavur Division,
 Thanjavur.

Field Inspection Report for Construction of Foot Bridge (175m x 11.00m = 1925sqmt)
0.1925ha at Ayyanallur inside Maharajapuram Reserved Forest of Kumbakonam
Range in Thanjavur Division for Creation of an Additional Source with Pump House to
Combined Water Supply Scheme to 893 Habitations in Nagapattinam District by
TWAD Board, Nagapattinam

I have inspected the proposed site on 05.07.2021 and 28.07.2021 proposed for construction of Foot Bridge at Ayyanallur inside Maharajapuram Reserved Forest for Creation of an Additional Source with Pump House to Combined Water Supply Scheme to 893 Habitations in Nagapattinam District. During the site inspection it was noted that,

1. The area proposed for diversion by the user agency is very minimum and there is no alternative land for the proposed project except the forest land.
2. The user agency has not started any work proposed inside Maharajapuram Reserved Forest. Therefore the question of violation of provision in Forest Conservation Act, 1980 for this proposal does not arise,
3. The user agency shall pay the net present value imposed (Rs. 1,54,578 /-) as per the revised Forest Conservation Act, 1980 guidelines and Compensatory Afforestation cost for Rs. 32,15,783/-.
4. There are no rare/endangered/unique species of flora and fauna in the Maharajapuram Reserved Forest. There are 65 teak trees which are planted and not natural in which Thanjavur Forest division have raised 54 teak trees (2014-Maharajapuram Kollidam RB Plantation) and 11 teak trees (1991 Seedling Seed Orchard – Sholapuram Research Centre) by Industrial Wood Research Division, Trichirappalli. All the trees earmarked for removal are planted by Forest Department. 10 times of 65 teak trees i.e 650 teak trees will be planted in the same RF as Compensatory Afforestation.
5. There are no protected archaeological/heritage site/defence establishment and there are no monument in the above project site.



[Signature]
District Forest Officer,
Thanjavur Division,
Thanjavur

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			0.729	
						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. 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.

[Signature]
District Forest Officer,
Thanjavur Division,
Thanjavur

[Signature]
20/07/2021

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

Range: Jayamkondam Research Range Name and Year of Plantation: 1991-IWRD Teak Plantation

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 Volume(m3)			5.720	

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

[Signature]
30.07.2021