

SITE INSPECTION REPORT

Proposal No. FP/KL/50187/2020


Proposal No. FP/KL/50187/2020 has been received from Assistant Executive Engineer, Transmission Sub Division, Nedumangad, Thiruvananthapuram for the diversion of 7.414 Ha (length 3.370 Km & width 22 metre) of forest land for the upgradation of 9.93 km existing 66KV Attingal - Palode single circuit from Mithirmala to Palode to 110 KV double circuit in Palode Range of Thiruvananthapuram Forest Division. The site was inspected by me on 02.11.2022 along with Range Forest Officer, Palode and staffs of Palode Range. On inspection of the site it is found that there is a total length of electric line from Pandyanpara to Kanchinada is 4.10 Km. Out of this 0.730 Km comes under patta land and remaining 3.37 Km goes through reserve forest in 6 segments. The area includes 2017 Bamboo Plantation Adappupara, 2017 Miscellaneous plantation Adappupara, 2017 Fruit bearing plantation Adappupara, 2017 Acacia Mangium plantation Chempankode, 2017 Bamboo plantation Chempankode and 2012 Acacia Auriculiformis plantation Chempankode. Eco-restoration is prescribed in all these plantations as per the approved working plan. The electric line passes through three non tribal settlements Vattappullu, Chempankode and Kundad and not crosses any tribal settlements. The following facts were also recorded during the field inspection.

1. The requirement of forest land as proposed by the user agency in Part-I of the proposal is unavoidable and barest minimum required for the project and there are no other alternatives.
2. Total 104 trees have to be cut and removed for the project (list enclosed) out of which 31 are Acacia Auriculiformis 43 are Acacia Mangium and 20 are Anjily.
3. In the proposed area there is no rare/endangered/unique species of flora and fauna found in the area.

4. The proposed forest land is not a part of protected archeological/heritage site/defense establishment or any other important monument is located in the area.
5. The user agency has not violated the provisions of Forest(Conservation) Act,1980 and no work has been started without proper sanction.

The project is aimed to facilitate the development and to meet the future electricity demand of North East region of Thiruvananthapuram District and to provide undisturbed power supply in the area. The project does not harm the ecosystem and wildlife present in the area. Considering the above facts the proposal for the diversion of 7.414 Ha forest land for the up gradation of 66 KV to 110 KV by KSEB is recommended.




**Divisional Forest Officer,
Thiruvananthapuram.**



Details of trees that have to be felled

1. Accacia

Sl no:	Girth in BH (cm)	Volume (M3)	Sl no:	Girth in BH (cm)	Volume (M3)
1	72	0.115	17	74	0.115
2	97	0.332	18	75	0.115
3	106	0.434	19	88	0.218
4	72	0.115	20	130	0.674
5	72	0.115	21	97	0.322
6	85	0.218	22	83	0.218
7	82	0.218	23	75	0.115
8	89	0.218	24	101	0.434
9	75	0.115	25	80	0.115
10	104	0.434	26	75	0.115
11	107	0.434	27	113	0.552
12	83	0.218	28	95	0.322
13	76	0.115	29	86	0.218
14	85	0.218	30	97	0.322
15	92	0.322	31	81	0.218
16	80	0.218	Total		8.017 M3

2. Mangium

Sl no:	Girth in BH (cm)	Volume (M3)	Sl no:	Girth in BH (cm)	Volume (M3)
1	76	0.115	23	120	0.552
2	92	0.322	24	107	0.434
3	105	0.434	25	85	0.218
4	73	0.115	26	80	0.115
5	78	0.115	27	101	0.434
6	71	0.115	28	91	0.322
7	72	0.115	29	86	0.218
8	72	0.115	30	75	0.115
9	82	0.218	31	73	0.115
10	72	0.115	32	75	0.115
11	79	0.115	33	76	0.115
12	77	0.115	34	86	0.218
13	92	0.322	35	85	0.218
14	108	0.434	36	81	0.218
15	85	0.218	37	102	0.434
16	125	0.674	38	78	0.115
17	85	0.218	39	80	0.115
18	75	0.115	40	112	0.552
19	118	0.552	41	86	0.218
20	150	0.932	42	87	0.218
21	80	0.218	43	79	0.115
22	87	0.218	Total		11.084 M3

3. Anjili

Sl no:	Girth in BH (cm)	Volume (M3)	Sl no:	Girth in BH (cm)	Volume (M3)
1	150	0.568	11	89	0.124

2	125	0.294	12	100	0.144
3	125	0.294	13	90	0.124
4	77	0.117	14	77	0.117
5	91	0.144	15	87	0.124
6	104	0.180	16	107	0.180
7	107	0.180	17	105	0.180
8	150	0.568	18	97	0.144
9	116	0.230	19	106	0.180
10	91	0.144	20	77	0.117

4. Rose wood

Sl no:	Girth in BH (cm)	Volume (M3)
1	78	0.107
Total		0.107 M3

5. Karimthakara

Sl no:	Girth in BH (cm)	Volume (M3)
1	128	0.674
Total		0.674 M3

6. Peeli vaka

Sl no:	Girth in BH (cm)	Volume (M3)
1	97	0.322
2	128	0.674
Total		0.996 M3

7. Cahru

Sl no:	Girth in BH (cm)	Volume (M3)
1	155	1.065
2	137	0.800
3	80	0.115
4	95	0.322
Total		2.302 M3

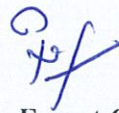
8. Plavu

Sl no:	Girth in BH (cm)	Volume (M3)
1	75	0.010
2	90	0.130
		0.140 M3

Countersigned

DIVISIONAL FOREST OFFICER^y
THIRUVANANTHAPURAM




Range Forest Offi.
Palode Rang.