

DETAILS OF ENUMERATION LIST OF TREES FALLING WITHIN THE RESERVE FOREST AREA, KHAMMAL AREA, REVENUE AREA (PRIVATE LAND), MUCK AREA (PRIVATE AND FOREST) FOR TOONG-PARTEM ROAD CONSTRUCTION

NAME OF PROPOSAL: DIVERSION OF FOREST LAND FOR CONSTRUCTION OF ROAD FOR ITBP i.e., TOONG-PARTEM-4865-TAMZE

SL. NO.	LOCAL NAME	BOTANICAL NAME	SHRUBS/HERBS/FERNS & BAMBOO/CANE/FODDER PLANTS	Girth class in diameter (cms)																	TOTAL
				< 1'6"	1'6"-1'11"	2'-2'11"	3'-3'11"	4'-4'11"	5'-5'11"	6'-6'11"	7'-7'11"	8'-8'11"	9'-9'11"	10'-10'11"	11'-11'11"	12'-12'11"	13'-13'11"	14'-14'11"	15'-15'11"	16'-16'11"	
1	Utis	Alnus nepalensis		3500	2250	500	390	300	200	86	73	32	24	22	17	15	10	10	8	6	1693
2	Okhar	Juglans regia							100		100										200
3	Saur	Betula alnoides				250			446		600		50								1346
4	Mahuwa	Engelhardtia spicata					70	20	10	9	9	7	4	2	2			1			134
5	Tooni	Toona ciliata		150	85		53	28	31	18	20		11	10		10	10	8		8	207
6	Chilaune	Schima wallichii			63				50		59										109
7	Funchev	Machilus odoratissimus					100			25											125
8	Katus	Castanopsis tribuloides				200		212	154	100	50										716
9	Lapsi	Spondias axillaris							200	105											305
10	Kainjal	Bischofia javanica						800		500											1300
11	Sins	Albizia lebbeck							50	8											58
12	Panisaj	Terminalia myriocarpa		580	324		300	356	236	134	174	115	94	67	31			6			1513
13	Dhupi	Cryptomeria japonica					23	28	17	8	8	5									89
14	Pipli	Syringia populnea					155	135	123	118	106										637
15	Pomsey	Persea edulis								60											60
16	Maletto	Macaranga nepalensis					152	138	119	105	82	42									638
17	Kharaney	Symplocos theifolia		835	687	500	558	466	372	320	219	20									2455
18	Phalaat	Quercus thomsonian				180	177		700			500		200	104	50		10	25	10	1956
19	Bajrat	Quercus lamellosa					1800		500	400	500		500		250	56		23	5		3534
20	Neebara	Ficus hookeri			105	100	39	18	5												162
21	Kapasey	Acer caudatum Wall.		822	2153	1700		824	731	700	534		321								4810
22	Gogay chaap	Magnolia campbellii							51	39	29	13	10								142
23	Busa patey	Unidentified			130	127	116	59	7			5									314
24	Asarey	Viburnum erubescens		651	1000	1000		980		761											2741
25	Gagleto	Elatostema platyphyllum Wedd.						212	100												312
26	Silver fir (Gobre salla)	Abies wabbiana		753	727	613	669	458	396	289	159	113					48				2745
27	Rhododendron	Rhododendron arboreum			2889	2500	900	661	402												4463
28	Chandan	Santalum album			500		400	100	100	75											675
29	Lek chilaune	Nyssa javanica					252	156	44	31											483
30	Rani chaap	Michelia excelsa					210				168		56								434
31	Buk	Quercus lamellosa				500		200	168	32		25									925

Continued.....

Assistant Conservator of Forest
Mangan Sub Division
North Territorial Division
Forest & Environment Department
Sunderbha
Block Officer
Range (T) Block
Mangan (T) Range
North (T) Division, F&ED

Range Officer
Mangan (T)

AEE (CIVIL) / AE (CIV)
Second - In - Command
For Offr Commanding
107 RCC (GREF)

(Ravi Kumar)
EE (Civ)
Officer Commanding
107 RCC (GREF)

GS 192651H
JE (Civ)
Sunil Kumar

Assistant Forest Officer
North Territorial Division
Forest & Environment Department

SL. NO.	LOCAL NAME	BOTANICAL NAME	SHRUBS/HERBS/FERNS& BAMBOO/CANE/FODDER PLANTS	Girth class in diameter (cms)																	TOTAL	
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32	Dhengre sala	Taxus baccata		714	513	401	300	100	72	51	19									943		
33	Chinthey	Unidentified					316	316	216	179	69						22	20		1138		
34	Banthey	Unidentified					367	336	190	112					20		9	5		1039		
35	Kawlo	Machilus spp.						100	50	52	41	24		15						282		
36	Bolayoo	Rhus insignis					182	51	56	36										325		
37	Thomson's Rhododendron	Rhododendron thomsonii			150	100	25													125		
38	Korlinge	Rhododendron hodgsonii		1999	168	102	52	45	13											212		
39	Lali gurans	Rhododendron spp.	441650																			
40	Chimal	Rhododendron barbatum	5598789																			
41	Thotney	Aconogonum molle	35000																			
42	Cardamom grooves	Amomum subulatum	18980																			
43	Argailly	Edgewotthia gardeneri	9775																			
44	Banmara	Eupatorium cannabinum	81200																			
45	Titaypati	Artemesia vulgaris	53002																			
46	Chiraita	Swertia chiraita	1500																			
47	Satuwa	Paris polyphylla	183425																			
48	Primula	Primula farinose	10226852																			
49	Sunpatey	Rhododendron anthopoxon	25897605																			
50	Rhubarb	Rheum australe D. Don	5980755																			
51	Yarchagumbu	Ophiocordyceps sinensis	985585																			
52	Buro okhetay	Astilbe rivularis	124200																			
53	Sisno	Urtica dioica L.	31050																			
54	Thado unew	Pteri biaurita	115000																			
55	Tree fern	Cyathea gigantea	263																			
56	Ningro	Matteuccia struthiopteris	121423																			
57	Nigala bans	Chimnobambusa intermedia	850000																			
58	Malingo bans	Arundinaria intermedia Munro	1043000																			
59	Pareng grooves	Himalayacalamus hookerianus (Munro) Stapleton	35330																			
60	Mixed poles size trees	Unidentified		8519																		
TOTAL				51834384	18523	11744	8773	7606	7099	5909	4353	3019	901	820	372	154	95	91	71	58	24	39345


 Subba
 Block Officer,
 Range (T) Block
 Range (T) Range
 Range (T) Division, F&ED


 Range Officer
 Mangan (T)

ABSTRACT				
SL. NO.	PARTICULARS	QUANTITY	REMARKS	
(a)	Total no. of shrubs/herbs/ferns & fern allies/bamboo/cane/fodder plants	51834384	All the plant species belonging to this category can be translocated except some of them like Thotney (herb), Argeli (shrub), Banmara (shrub), Titaypati (shrub), Sunpatey (shrub), Rhubarb (herb), Yarchagumbu (fungal herb), Buro okhetay (herb), Sisno (shrub), Ningro (herb) and Thado unew (herb) which cannot be translocated.	Due to steep cliffs and rugged valley terrain with changing vegetation, most of the areas falling within the proposed road alignment were effectively inaccessible because of which it was not possible to count/enumerate most of the tree species standing in the corridor of the proposed road. Therefore, the enumeration was done for many of the tree species mentioned in the list above on the basis of plot sampling taking a measurement of 10 mtr x 10 mtr for each plots adhering to all the road alignment regions.
(b)	Total no. of Poles (Below 1'6" - 1'11")	30267	All the tree species belonging to this category are proposed to be felled.	
(c)	Total no. of Trees (Above 2')	39345	All the tree species belonging to this category are proposed to be felled.	

la
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USER AGENCY

Ravi Kumar
EE (Civ)
Officer Commanding
107 RCC (GREF)

Supendra Subba
Block Officer
Mangan (T) Block
Mangan (T) Range
Mangan (T) Division, F&ED

Range Officer
Mangan (T)
FOREST DEPARTMENT

Assistant Conservator of Forests
Mangan Sub Division
North Territorial Division
Forest & Environment Department

Union Forest Officer
North Territorial Division
Forest & Environment Department

GS 2651H
JE (Civ)
Sunil Kumar

To,

The Assistant Conservator of Forest
Through the Range Officer
Mangan Territorial Range
North Territorial Division
Forests & Environment Department

4865 Dated: 25-02-2021

Sub: **Re-Enumerated list of tree species of Toong-Partem-Tamze-4865-reg;**

Sir,

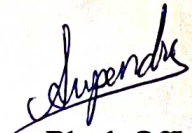
As per the directives of Divisional Forest Officer, North Territorial Division, F&ED regarding the joint inspection and field survey of Forest personnel along with 107/RCC GREF (BRO) for enumerating various tree species standing within the corridor of additional high altitude road to be constructed to a length of 84.425 km via Toong-Partem-4865-Tamze for ITBP under Phase-II in the state of Sikkim, kindly find enclosed herewith the same in the prescribed format.

Submitted for kind information please.

Enclosed: As cited above.

Thanking you,

Yours faithfully,



Block Officer
Naga (T) Block
Mangan (T) Range
F&ED

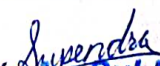
Supendra Subba
BLOCK OFFICER
Naga (T) Block
North Sikkim, FEWMD

PHOTOGRAPHS OF JOINT INSPECTION AND FIELD SURVEY OF FOREST PERSONNEL AND
107/RCC GREF (BRO) FOR ENUMERATING THE LIST OF TREES OF TOONG-PARTEM-TAMZE-

~~4685~~ 4865




Range Officer
Mangan (I)


Supendra Subba
BLOCK OFFICER
Naga (T) Block
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