

No./ 102
H.P. Forest Department.

Dated Salooni, the/ 5-4-2023

From:- DFO, Churah To:- C.C.F. Chamba

Subject:- Diversion of 3.677 ha of forest land in favour of HPPWD for the construction of link road from Nadal to Jutrahan (Kms. 0/0 to 7/00) within the jurisdiction of Churah Forest Division.

Memo.

Kindly refer to Integrated Regional Office (MoEF) CGO Complex Shimla letter No. FC/HPB/06/66/20221/10245/2022 dated Nil on the subject cited above.

2 In this connection it is intimated that the point wise reply to the EDS raised vide above referred communication is submitted as under:-

1. Photo copy of the Administrative approval of the project is enclosed herewith please.
2. Needful has been done by the user agency.
3. Revised KML file has been uploaded by the user agency please.
4. In this connection it is submitted that 0.734 Km road will pass through Non Forest land. Hence there is no any encroachment on the Forest Land please.
5. Revised layout plan is enclosed herewith please.
6. As mentioned above revised/correct KML file has been uploaded please.
7. The existing path shown in the KML file is not a road, it is just a footpath which is being used by the villagers to carry the material from one village to another village only.
8. Revised calculation bill is enclosed herewith please.
9. Necessary enumeration list alongwith abstract of trees coming in the alignment of the road duly authenticated by the undersigned is enclosed please.
10. It has been submitted by the user agency that wire crate work in multiple layers shall be taken while preparing the DPR.
11. As has been mentioned in the project detail note as well as during joint inspection all efforts were made to minimize the use of forest land, but due to non availability of non forest land dumping site has been proposed on the forest land please.
12. The muck management plan duly authenticated by the undersigned is enclosed herewith please.
13. Necessary reclamation plan is enclosed please.
14. Needful has been done as mentioned against stipulation No. 9 please.
15. Needful has been done please.
16. Needful has been done.
17. The revised KML file has been uploaded please.
18. Requisite information is enclosed please.
19. It has been submitted by the user agency that all necessary steps to mitigate the soil erosion will be taken while preparing the DPR please.
20. Needful has been done.
21. In this regard it is submitted that all efforts to minimize the use of Forest land as well as felling of trees has been made and re-joint inspection has already been carried out by the worthy CCF Chamba on dated 03-09-2021. Hence this one selected alignment only the alternative for construction of said road please
22. The revised CA site Map, KML toposheet are attached please.
23. Needful has been done as mentioned against stipulation No. 16 please.
24. Needful has been done.

Encl:- As above.


Divisional Forest Officer,
Churah Forest Division,
Salooni.

CALCULATION OF NET PRESENT VALUE OF 3.677 HA. FOREST LAND TO BE DIVERTED UNDER FCA 1980 FOR THE CONSTRUCTION OF LINK ROAD FROM NADAL TO JATRAHAN KM 0/0 TO 7/000 IN FAVOUR OF HPPWD DIVISION SALOONI DISTT. CHAMBA (H.P) WITHIN THE JURISDICTION OF CHURAH FOREST DIVISION.

Classification of land being diverted into various ECO classes as per Hon'ble Supreme Court directions.

Nature of forests	Area being diverted		Classification as per Champion and Seth										Eco value class.
Nadal, Nagod, Kunda, Douri Ban, Khall & Jatrahah DPF	3,677 ha		Group 9 Sub Tropical Pine Forests										V
Area of diverted land failing in Eco Zone.													2.03 ha
Trees coming in the land to be diverted	V	IV	III	IIA	IIB	IA	IB	IC	ID	TOTAL			
	436	280	151	46	10	5	1	2	1	932	3,677		
Trees upto III													716
Trees of III and above class													216
Total mature trees(nationally) after conversion of 2 trees of below IIIrd class into one mature class													574
Per Hac. Number of trees													156
Percentage Density													0.6
Density Class													Open
Calculation of NPV													
Name of Forest	Area to be diverted		ECO Class	Density Class		NPV rate applicable		Amount Rs.					
Kandla DPF	3,677 ha		V	Open		1005210/-		3696157-00					


 (SUSHIL KUMAR GULERIA, HPFS)
 Divisional Forest Officer,
 Churah Forest Division, Salooni.

Brief Note

Name of work: C/O Link Road From Naddal to Village Jutrahan km 0/0 to 7/0

- Total Length: 7 K.M.
- Villages covered: Nadal, Kunda, Nagod, Khal and Jutrahan
- Sub Villages: Blanj-I, Blanj- II, Kreri, Tappar, Bedwah/Vedwah, Dorewan
- The road is proposed to be constructed under BASP which starts from Brangal Wangal Mandoh road at chainage 39/600

Brief Facts

- Total length of road – 7 km
- Forest Land – 6.266 km
- Rest of the Land – 0.734 km
- Land Required for construction of Road – 4.067 hectare
- Forest Land required for road construction – 3.677 hectare

Population Benefited

Road will cater to the needs of population of more than 1500 souls

Budget

The total cost of the project has been estimated to Rs. 585.26Lkah.

Necessity of Road

- Housing
- Education
- Health
- Agriculture/Farming
- Employment
- Security
- Transportation
- Market Development

Housing- People from these villages who live in mud houses have not been able to construct Pucca Houses because of huge construction costs involved. The construction material is transported on mules which increases the construction cost by 25% to 30%. Availability of all weather motorable road would enable to transport these material in tractors, trucks in bulks. This will considerably reduce the construction cost of building pucca houses.

Education- All weather motorable road would increase the connectivity in all season due to which the problem of communication to Secondary School Naddal and college at Bhalei would be solved. As the construction of road Naddal to Jutrahan will lead easy construct it would be easy to construct a secondary school building at these village. It will save time of children to reach the school as they need to start early in the morning and will reach home in time that valuable time could be used for productive purpose in terms of education, extra curricular activities and household help.

Health- There is no health facility at these villages from Nadal towards Juthrahan. There is one PHC at Samah which is approximately 27 kms from Juthrahan. In the absence of motorable road from Nadal to Juthrahan patients are, in the event of emergency, transported in cots especially pregnant women, aged person and especially abled. There is high risk of causality due to delay if first aid treatment. As this road will be constructed, it will ease out the transportation of patient in case of emergency and Ambulance can reach easier and early.

Agriculture/Farming- Village economy of these villages involves production of important crops like potato, plum, cabbage, peas, pulses etc. Most of the crops is used personal consumption. Development of market in villages as a result of road from Nadal to Juthrahan, would provide an increased chances of farmers to sell their extra crops in village based local mandies.

Employment- Construction of road itself involves huge direct and indirect employment generation. Approximate 10400 man days of employment will be generated directly. In addition to it services like market development activities, employment etc. will also be improved and employment opportunities in these sector will be available to the village.

Security- The villages of Nadal, Kunda, Khal and Juthrahan borders the neighboring state of Jammu and Kashmir. In the absence of motorable road from Nadal to juthrahan, it become difficult for movement of these security troops and their equipment's and convey in case of emergency.

Transportation- As of now absence of road from Nadal to Juthrahan, people from these villages need to travel 7 km on foot for any kind of activity. Availability of roads will facilitate the transportation services such as Public and Private Buses at regular interval of time.

Market Development- The nearest market for these remote villages is at village Nadal which is 7km from Juthrahan. Since the large chunk of population is involved in agriculture and labour work, their need to take out time out of their working schedule to buy these items from market at Nadal. This sometimes, lead to loss of half day of wages.

Budget

Description of Item	Quantity	Rate (in Lakhs)	Unit	Amount (In Lakhs)	Remark
C/O of 5/7 meter wide motorable road	7.000	28.68	Per K.M.	200.76	As per yard stick rates by E-IN-C wide letter no. 1865-85 Dt. 22-01 - 2021
C/O cross drainage work	7.000	12.41	Per K.M	86.87	-do-
P/L soling wearing and tarring	7.000	25.49	Per K.M	178.43	-do-
C/O of road side drain	7.000	4.08	Per K.M	28.56	-do-
C/O road	7.000	2.20	Per K.M	15.40	-do-
Preparation of Forest Case	7.000	0.60	Per K.M	4.20	-do-

Escalation and Contingencies Charges

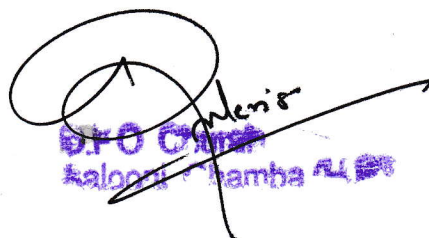
Escalation and contingencies charges are calculated on Total amount of 514.22 lakh

Type	Tenure	@ rate	Amount
Escalation charges	2 years	10.50	53.99
Contingencies	2 years	3.00	17.04

Total Estimated costs = 514.22+53.99+17.04 = 585.26 lakhs

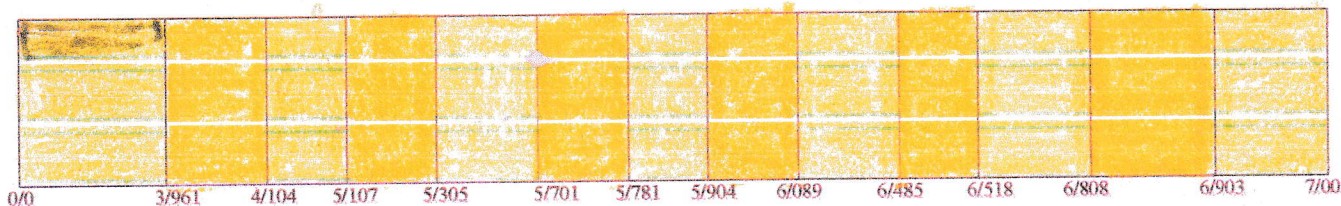

Assistant Engineer,
Bhalei Sub Division,
HPPWD Bhalei


Executive Engineer
Salooni Division
HPWD Salooni


DFO Chikla
Salooni - Hamba ALP

Layout Plan showing the forest land and private land for the construction of link road from village Nadal To Jutrahan Km. 0/0 to 7.00

(NOT TO SCALE)



Govt. Land

0/0 to 3/961	= 3961 Mtrs
4/104 to 5/107	= 1003 Mtrs
5/305 to 5/701	= 396 Mtrs
5/781 to 5/904	= 123 Mtrs
6/089 to 6/485	= 396 Mtrs
6/518 to 6/808	= 290 Mtrs
6/903 to 7/0	= 97 Mtrs
Total	= 6266 Mtrs

= 6266 Mtrs or say =3.05 Hact.

Dumping Area

D1	= 42.70 x 42.70	= 1823 sqm.
D2	= 56.80 x 56.80	= 3227 sqm.
D3	= 28.50 x 42.70	= 1216 sqm.

Total: - = 6266 sqm or say 0.627 Hact.

G. Total forest land: - = 3.05+0.627=3.677 Hact

Total Govt. land + private land=4.067 Hectare.

Private Land

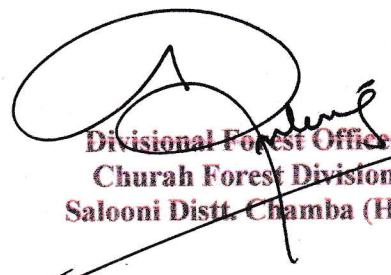
3/961 to 4/104	= 143 Mtrs
5/107 to 5/305	= 198 Mtrs
5/701 to 5/781	= 80 Mtrs
5/904 to 6/089	= 185 Mtrs
6/485 to 6/518	= 33 Mtrs
6/808 to 6/903	= 95 Mtrs
Total	= 734 Mtrs

= 734 Mtrs or say =0.39Hact

Private land: - = 0.39 Hact.


Assistant Engineer
Bhalei Sub Division
H.P.P.W.D. Bhalei


Executive Engineer
Salooni Division
H.P.P.W.D. Salooni


Divisional Forest Officer,
Churah Forest Division,
Salooni Distt. Chamba (HP).

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No. PW-SD-WA-Forest Cases/2022-23-
To

14670-72

Dated 14-2-23

The Divisional Forest Officer,
Churah Forest Division
Salooni, Distt. Chamba

Subject: -

3671
16-2-2023

Diversion of 3.677 Ha. of forest land in favour of HPPWD for the construction of link road from Naddal to village Jutrahan km C/O to 7/00 within the jurisdiction of Churah Forest Division, Distt. Chamba (HP).

Reference: -

Ministry of Environment, Forest and Climate Change
CGO Complex, Shivalik Khand, Longwood Shimla (HP)
office File No. FC/HPB/06/66/2022 dated 10.08.2022.

Sir,

In this connection it is intimated that the following observations have been attended and reply to the same is given as under: -

- Point No. 1: - Administrative approval and Expenditure Sanctioned amounting to Rs. 2,93,30,000/- accorded by Worthy Deputy Commissioner Chamba vide letter of dated 30.09.2018.
- Point No. 2: - The copy of brief note of the project has been attached and also uploaded in addition information details Part-I.
- Point No. 3: - The correct KML file has been uploaded in Part-I.
- Point No. 4: - pertains to your good office.
- Point No. 5: - The layout plan showing government and private land along with area wise calculation has been attached.
- Point No. 6: - The correct KML file has been uploaded in Part-I.
- Point No. 7: - The existing path shown in KML file is not a road, it is just a footpath which has been used for trudge and transportation of materials from one village to other.
- Point No. 8: - pertains to your good office.
- Point No. 9: - The abstract of trees and enumeration list attached need to be authenticated by your good office.
- Point No. 10: - In order to avoid debris to rolled down in to rivulets/household/agriculture field necessary wire crate work in multiple layers shall be taken while preparing DPR.
- Point No. 11: - All the possibilities of required land for dumping site on the private land has been explored, but due to non availability of private land and the already proposed site is the only option.

PTO

g/c General
15/2/2023
16/2/2023

- Point No. 12:- The muck management plan attached need to be duly authenticated your good office.
- Point No. 13:- The reclamation plan of muck disposal site has been attached.
- Point No. 14:- The abstract of trees and enumeration list are attached, needs to be authenticate by your good office.
- Point No. 15:- Area statement involving forest land mentioned khasra No. is attached herewith, needs to be authenticated by your good office.
- Point No. 16:- pertains to your good office.
- Point No. 17:- The revised KML file uploaded online in Part-I.
- Point No. 18:- NOC/Sale deed for non forest land is attached.
- Point No. 19:- In order to avoid soil erosion/landslide necessary protection work in cement concrete and wire crate will be taken while preparing Detail Project Report, undertaking to pay the entire amount for soil and moisture conservation plan has been attached and cost of implementation pertains to your good office.
- Point No. 20:- pertains to your good office.
- Point No. 21:- Joint inspection was carried out be Worthy CCF Chamba dated 03.09.2021 and again joint inspection was carried out by team comprising of officials of this Department as well as your Department to explore another alternative alignment. Three alignments has been observed out of which the present alignment for road construction is involving minimum forest land and 932 Nos. of trees then other alternative alignments.
- Point No. 22:- The revised CA site Map, KML toposheet are attached.
- Point No. 23 & 24 Pertains to your good office.

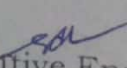
You are therefore requested to pursue the matter with the higher office for obtaining the approval at the earliest please.

DA/ 1 file attached
Page 1 to 44


Executive Engineer
Salooni Division
HPPWD Salooni

Copy forwarded to the Nodal Officer-cum-APCCF(FCA),
O/o Pr. CCF (HoFF), H.P. Shimla for information please.

Copy forwarded to the Chief Conservator of Forests
Chamba for information please.


Executive Engineer
Salooni Division
HPPWD Salooni

Brief Note

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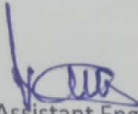
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Escalation and Contingencies Charges

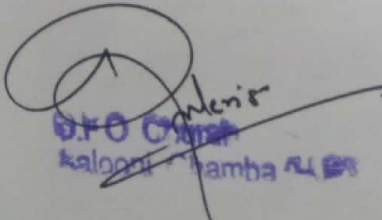
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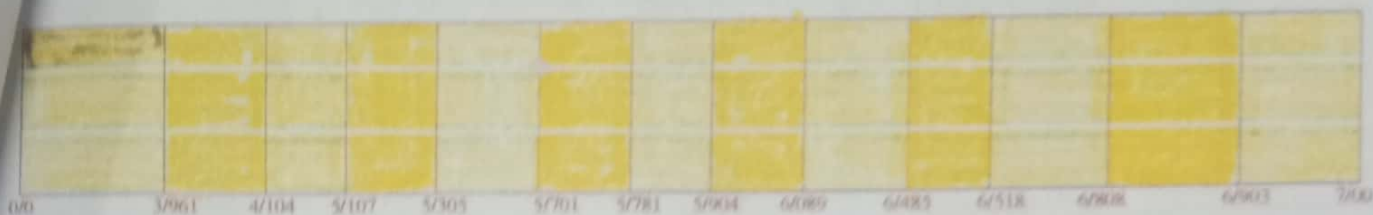

Assistant Engineer,
Bhalei Sub Division,
HPPWD Bhalei


Executive Engineer
Salooni Division
HPWD Salooni


S.O. Chandra
Salooni - Bamba

**Layout Plan showing the forest land and private land for the construction of link road
from village Nadal To Jutrahan Km. 0/0 to 7.00**

(NOT TO SCALE)



Govt. Land

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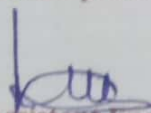
6/485 to 6/518 = 33 Mtrs

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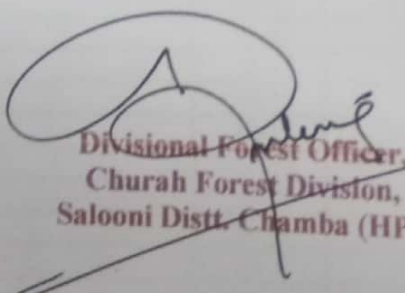
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Assistant Engineer
Bhalei Sub Division
H.P.P.W.D. Bhalei


Executive Engineer
Salooni Division
H.P.P.W.D. Salooni


Divisional Forest Officer,
Churah Forest Division,
Salooni Distt. Chamba (HP).

**LIST OF TREES THAT FALL IN THE ALIGNMENT OF LINK ROAD NADAL TO JUTRAHAN KM.
0/0 TO 7/0.**

S.no	Species	Scientific name	Dia	Class	Remarks	D.P.F.
1	Ban	Quercus incana	13-14	V	Green Standing	Nadal
2	Ban	Quercus incana	10-11	V	Green Standing	Nadal
3	Ban	Quercus incana	10-11	V	Green Standing	Nadal
4	Ban	Quercus incana	12-14	V	Green Standing	Nadal
5	Kainth	Pyrus pashia	24-26	IV	Green Standing	Nadal
6	Kainth	Pyrus pashia	16-18	V	Green Standing	Nadal
7	Ban	Quercus incana	10-12	V	Green Standing	Nadal
8	Ban	Quercus incana	16-22	V	Green Standing	Nadal
9	Ban	Quercus incana	12-14	V	Green Standing	Nadal
10	Ban	Quercus incana	16-18	V	Green Standing	Nadal
11	Ban	Quercus incana	12-13	V	Green Standing	Nadal
12	Ban	Quercus incana	12-12	V	Green Standing	Nadal
13	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
14	Ban	Quercus incana	14-14	V	Green Standing	Nadal
15	Ban	Quercus incana	10-12	V	Green Standing	Nadal
16	Ban	Quercus incana	10-11	V	Green Standing	Nadal
17	Ban	Quercus incana	10-11	V	Green Standing	Nadal
18	Ban	Quercus incana	16-20	V	Green Standing	Nadal
19	Kainth	Pyrus pashia	24-26	IV	Green Standing	Nadal
20	Ban	Quercus incana	14-16	V	Green Standing	Nadal
21	Ban	Quercus incana	12-14	V	Green Standing	Nadal
22	Ban	Quercus incana	12-12	V	Green Standing	Nadal
23	Ban	Quercus incana	18-20	V	Green Standing	Nadal
24	Ban	Quercus incana	12-12	V	Green Standing	Nadal
25	Ban	Quercus incana	12-12	V	Green Standing	Nadal
26	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
27	Ban	Quercus incana	12-14	V	Green Standing	Nadal
28	Ban	Quercus incana	12-12	V	Green Standing	Nadal
29	Ban	Quercus incana	16-18	V	Green Standing	Nadal
30	Kainth	Pyrus pashia	12-12	V	Green Standing	Nadal
31	Ban	Quercus incana	10-11	V	Green Standing	Nadal
32	Ban	Quercus incana	14-14	V	Green Standing	Nadal
33	Ban	Quercus incana	14-16	V	Green Standing	Nadal
34	Ban	Quercus incana	12-12	V	Green Standing	Nadal
35	Ban	Quercus incana	12-14	V	Green Standing	Nadal
36	Ban	Quercus incana	22-26	IV	Green Standing	Nadal
37	Ban	Quercus incana	10-11	V	Green Standing	Nadal
38	Ban	Quercus incana	10-11	V	Green Standing	Nadal
39	Ban	Quercus incana	10-12	V	Green Standing	Nadal
40	Kainth	Pyrus pashia	10-11	V	Green Standing	Nadal
41	Ban	Quercus incana	10-12	V	Green Standing	Nadal
42	Ban	Quercus incana	10-12	V	Green Standing	Nadal
43	Ban	Quercus incana	10-12	V	Green Standing	Nadal
44	Ban	Quercus incana	10-12	V	Green Standing	Nadal
45	Ban	Quercus incana	16-18	V	Green Standing	Nadal
46	Kainth	Pyrus pashia	24-35	IV	Green Standing	Nadal
47	Ban	Quercus incana	10-11	V	Green Standing	Nadal
48	Ban	Quercus incana	10-12	V	Green Standing	Nadal
49	Ban	Quercus incana	22-28	IV	Green Standing	Nadal
50	Ban	Quercus incana	14-16	V	Green Standing	Nadal
51	Kainth	Pyrus pashia	10-11	V	Green Standing	Nadal
52	Ban	Quercus incana	14-16	V	Green Standing	Nadal
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54	Ban	Quercus incana	10-14	V	Green Standing	Nadal
55	Kainth	Pyrus pashia	14-14	V	Green Standing	Nadal
			16-20	V	Green Standing	Nadal

56	Ban	Quercus incana	14-14	V	Green Standing	Nadal
57	Ban	Quercus incana	12-14	V	Green Standing	Nadal
58	Ban	Quercus incana	10-14	V	Green Standing	Nadal
59	Ban	Quercus incana	10-12	V	Green Standing	Nadal
60	Ban	Quercus incana	14-16	V	Green Standing	Nadal
61	Ban	Quercus incana	12-14	V	Green Standing	Nadal
62	Ban	Quercus incana	10-11	V	Green Standing	Nadal
63	Ban	Quercus incana	12-14	V	Green Standing	Nadal
64	Ban	Quercus incana	14-16	V	Green Standing	Nadal
65	Ban	Quercus incana	12-12	V	Green Standing	Nadal
66	Ban	Quercus incana	14-16	V	Green Standing	Nadal
67	Kainth	Pyrus pashia	14-18	V	Green Standing	Nadal
68	Ban	Quercus incana	30-51	IIA	Green Standing	Nadal
69	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
70	Ban	Quercus incana	24-26	IV	Green Standing	Nadal
71	Ban	Quercus incana	16-20	V	Green Standing	Nadal
72	Ban	Quercus incana	16-18	V	Green Standing	Nadal
73	Ban	Quercus incana	18-20	V	Green Standing	Nadal
74	Ban	Quercus incana	10-11	V	Green Standing	Nadal
75	Ban	Quercus incana	34-36	III	Green Standing	Nadal
76	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
77	Ban	Quercus incana	10-11	V	Green Standing	Nadal
78	Ban	Quercus incana	10-11	V	Green Standing	Nadal
79	Kainth	Pyrus pashia	10-12	V	Green Standing	Nadal
80	Ban	Quercus incana	22-26	IV	Green Standing	Nadal
81	Ban	Quercus incana	16-18	V	Green Standing	Nadal
82	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
83	Ban	Quercus incana	14-16	V	Green Standing	Nadal
84	Kainth	Pyrus pashia	14-18	V	Green Standing	Nadal
85	Kainth	Pyrus pashia	12-12	V	Green Standing	Nadal
86	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
87	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
88	Ban	Quercus incana	16-18	V	Green Standing	Nadal
89	Ban	Quercus incana	12-14	V	Green Standing	Nadal
90	Ban	Quercus incana	16-18	V	Green Standing	Nadal
91	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
92	Ban	Quercus incana	14-16	V	Green Standing	Nadal
93	Kainth	Pyrus pashia	26-28	IV	Green Standing	Nadal
94	Ban	Quercus incana	32-38	III	Green Standing	Nadal
95	Ban	Quercus incana	10-12	V	Green Standing	Nadal
96	Ban	Quercus incana	18-18	V	Green Standing	Nadal
97	Kainth	Pyrus pashia	18-22	V	Green Standing	Nadal
98	Ban	Quercus incana	22-26	IV	Green Standing	Nadal
99	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
100	Ban	Quercus incana	26-28	IV	Green Standing	Nadal
101	Ban	Quercus incana	10-12	V	Green Standing	Nadal
102	Ban	Quercus incana	22-26	IV	Green Standing	Nadal
103	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
104	Kainth	Pyrus pashia	20-22	IV	Green Standing	Nadal
105	Kainth	Pyrus pashia	34-36	III	Green Standing	Nadal
106	Ban	Quercus incana	18-20	V	Green Standing	Nadal
107	Ban	Quercus incana	14-16	V	Green Standing	Nadal
108	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
109	Ban	Quercus incana	10-11	V	Green Standing	Nadal
110	Ban	Quercus incana	10-11	V	Green Standing	Nadal
111	Kainth	Pyrus pashia	10-12	V	Green Standing	Nadal
112	Ban	Quercus incana	10-12	V	Green Standing	Nadal
113	Ban	Quercus incana	10-11	V	Green Standing	Nadal
114	Ban	Quercus incana	24-26	IV	Green Standing	Nadal
115	Kainth	Pyrus pashia	12-14	V	Green Standing	Nadal

116	Kainth	Pyrus pashia	34-36	III	Green Standing	Nadal
117	Ban	Quercus incana	14-16	V	Green Standing	Nadal
118	Kainth	Pyrus pashia	16-18	V	Green Standing	Nadal
119	Ban	Quercus incana	10-12	V	Green Standing	Nadal
120	Kainth	Pyrus pashia	18-20	V	Green Standing	Nadal
121	Ban	Quercus incana	10-12	V	Green Standing	Nadal
122	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
123	Ban	Quercus incana	18-20	V	Green Standing	Nadal
124	Ban	Quercus incana	24-26	IV	Green Standing	Nadal
125	Ban	Quercus incana	10-12	V	Green Standing	Nadal
126	Kainth	Pyrus pashia	32-36	III	Green Standing	Nadal
127	Ban	Quercus incana	24-26	IV	Green Standing	Nadal
128	Ban	Quercus incana	18-20	V	Green Standing	Nadal
129	Ban	Quercus incana	16-18	V	Green Standing	Nadal
130	Ban	Quercus incana	12-14	V	Green Standing	Nadal
131	Ban	Quercus incana	14-16	V	Green Standing	Nadal
132	Ban	Quercus incana	16-18	V	Green Standing	Nadal
133	Ban	Quercus incana	12-14	V	Green Standing	Nadal
134	Ban	Quercus incana	10-12	V	Green Standing	Nadal
135	Ban	Quercus incana	12-14	V	Green Standing	Nadal
136	Ban	Quercus incana	10-12	V	Green Standing	Nadal
137	Ban	Quercus incana	10-12	V	Green Standing	Nadal
138	Ban	Quercus incana	10-12	V	Green Standing	Nadal
139	Ban	Quercus incana	18-20	V	Green Standing	Nadal
140	Ban	Quercus incana	18-20	V	Green Standing	Nadal
141	Ban	Quercus incana	16-18	V	Green Standing	Nadal
142	Ban	Quercus incana	14-16	V	Green Standing	Nadal
143	Ban	Quercus incana	14-16	V	Green Standing	Nadal
144	Ban	Quercus incana	18-20	V	Green Standing	Nadal
145	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
146	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
147	Ban	Quercus incana	12-14	V	Green Standing	Nadal
148	Kainth	Pyrus pashia	18-20	V	Green Standing	Nadal
149	Ban	Quercus incana	16-18	V	Green Standing	Nadal
150	Ban	Quercus incana	24-26	IV	Green Standing	Nadal
151	Ban	Quercus incana	18-20	V	Green Standing	Nadal
152	Ban	Quercus incana	42-44	IIA	Green Standing	Nadal
153	Ban	Quercus incana	30-32	III	Green Standing	Nadal
154	Kainth	Pyrus pashia	14-16	V	Green Standing	Nadal
155	Ban	Quercus incana	14-16	V	Green Standing	Nadal
156	Ban	Quercus incana	14-16	V	Green Standing	Nadal
157	Ban	Quercus incana	12-14	V	Green Standing	Nadal
158	Kainth	Pyrus pashia	12-14	V	Green Standing	Nadal
159	Ban	Quercus incana	14-16	V	Green Standing	Nadal
160	Ban	Quercus incana	16-18	V	Green Standing	Nadal
161	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
162	Ban	Quercus incana	12-14	V	Green Standing	Nadal
163	Ban	Quercus incana	16-18	V	Green Standing	Nadal
164	Ban	Quercus incana	30-32	III	Green Standing	Nadal
165	Ban	Quercus incana	30-32	III	Green Standing	Nadal
166	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
167	Ban	Quercus incana	16-18	V	Green Standing	Nadal
168	Ban	Quercus incana	24-26	IV	Green Standing	Nadal
169	Ban	Quercus incana	10-12	V	Green Standing	Nadal
170	Ban	Quercus incana	18-20	V	Green Standing	Nadal
171	Ban	Quercus incana	30-32	III	Green Standing	Nadal
172	Ban	Quercus incana	40-42	IIA	Green Standing	Nadal
173	Ban	Quercus incana	30-32	III	Green Standing	Nadal
174	Ban	Quercus incana	16-18	V	Green Standing	Nadal
175	Ban	Quercus incana	28-40	IV	Green Standing	Nadal

176	Ban	Quercus incana	40-48	IIA	Green Standing	Nadal
177	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
	Ban	Quercus incana	14-18	V	Green Standing	Nadal
179	Ban	Quercus incana	10-12	V	Green Standing	Nadal
180	Ban	Quercus incana	10-12	V	Green Standing	Nadal
181	Ban	Quercus incana	12-14	V	Green Standing	Nadal
182	Ban	Quercus incana	30-32	III	Green Standing	Nadal
183	Ban	Quercus incana	20-22	IV	Green Standing	Nadal
184	Ban	Quercus incana	16-18	V	Green Standing	Nadal
185	Ban	Quercus incana	12-14	V	Green Standing	Nadal
186	Ban	Quercus incana	10-12	V	Green Standing	Nadal
187	Ban	Quercus incana	12-14	V	Green Standing	Nadal
188	Ban	Quercus incana	42-50	IIA	Green Standing	Nadal
189	Ban	Quercus incana	18-20	V	Green Standing	Nadal
190	Ban	Quercus incana	30-32	III	Green Standing	Nadal
191	Ban	Quercus incana	30-34	III	Green Standing	Nadal
192	Ban	Quercus incana	14-18	V	Green Standing	Nadal
193	Ban	Quercus incana	24-50	III	Green Standing	Nadal
194	Ban	Quercus incana	28-30	IV	Green Standing	Nadal
195	Ban	Quercus incana	32-38	III	Green Standing	Nadal
196	Ban	Quercus incana	26-30	IV	Green Standing	Nadal
197	Ban	Quercus incana	36-42	III	Green Standing	Nadal
198	Ban	Quercus incana	42-50	IIA	Green Standing	Nadal
199	Ban	Quercus incana	28-30	IV	Green Standing	Nadal
200	Ban	Quercus incana	18-20	V	Green Standing	Nadal
201	Ban	Quercus incana	14-18	V	Green Standing	Nadal
202	Ban	Quercus incana	34-36	III	Green Standing	Nadal
203	Ban	Quercus incana	18-21	V	Green Standing	Nadal
204	Ban	Quercus incana	20-24	IV	Green Standing	Nadal
205	Ban	Quercus incana	36-40	III	Green Standing	Nadal
206	Ban	Quercus incana	42-48	IIA	Green Standing	Nadal
207	Ban	Quercus incana	40-44	IIA	Green Standing	Nadal
208	Ban	Quercus incana	32-38	III	Green Standing	Nadal
209	Ban	Quercus incana	16-18	V	Green Standing	Nadal
210	Ban	Quercus incana	28-30	IV	Green Standing	Nadal
211	Ban	Quercus incana	40-44	IIA	Green Standing	Nadal
212	Ban	Quercus incana	42-46	IIA	Green Standing	Nadal
213	Ban	Quercus incana	28-32	IV	Green Standing	Nadal
214	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
215	Ban	Quercus incana	32-34	III	Green Standing	Nadal
216	Ban	Quercus incana	34-36	III	Green Standing	Nadal
217	Ban	Quercus incana	16-18	V	Green Standing	Nadal
218	Ban	Quercus incana	14-16	V	Green Standing	Nadal
219	Ban	Quercus incana	10-12	V	Green Standing	Nadal
220	Ban	Quercus incana	14-16	V	Green Standing	Nadal
221	Ban	Quercus incana	24-28	IV	Green Standing	Nadal
222	Ban	Quercus incana	24-28	IV	Green Standing	Nadal
223	Ban	Quercus incana	11-18	V	Green Standing	Nadal
224	Ban	Quercus incana	18-20	V	Green Standing	Nadal
225	Ban	Quercus incana	30-32	III	Green Standing	Nadal
226	Ban	Quercus incana	14-16	V	Green Standing	Nadal
227	Ban	Quercus incana	15-16	V	Green Standing	Nadal
228	Ban	Quercus incana	26-30	IV	Green Standing	Nadal
229	Ban	Quercus incana	26-28	IV	Green Standing	Nadal
230	Ban	Quercus incana	10-12	V	Green Standing	Nadal
231	Ban	Quercus incana	12-14	V	Green Standing	Nadal
232	Ban	Quercus incana	10-12	V	Green Standing	Nadal
233	Ban	Quercus incana	10-11	V	Green Standing	Nadal
234	Ban	Quercus incana	20-24	IV	Green Standing	Nadal
235	Ban	Quercus incana	10-11	V	Green Standing	Nadal

236	Ban	Quercus incana	30-34	III	Green Standing	Nadal
237	Ban	Quercus incana	28-32	IV	Green Standing	Nadal
238	Ban	Quercus incana	22-26	IV	Green Standing	Nadal
239	Ban	Quercus incana	30-32	III	Green Standing	Nadal
240	Ban	Quercus incana	12-14	V	Green Standing	Nadal
241	Ban	Quercus incana	10-12	V	Green Standing	Nadal
242	Ban	Quercus incana	12-14	V	Green Standing	Nadal
243	Ban	Quercus incana	16-18	V	Green Standing	Nadal
244	Ban	Quercus incana	18-20	V	Green Standing	Nadal
245	Ban	Quercus incana	10-12	V	Green Standing	Nadal
246	Ban	Quercus incana	81-20	V	Green Standing	Nadal
247	Ban	Quercus incana	15-16	V	Green Standing	Nadal
248	Kainth	Pyrus pashia	12-14	V	Green Standing	Nadal
249	Ban	Quercus incana	12-14	V	Green Standing	Nadal
250	Ban	Quercus incana	14-16	V	Green Standing	Nadal
251	Ban	Quercus incana	26-28	IV	Green Standing	Nadal
252	Ban	Quercus incana	10-12	V	Green Standing	Nadal
253	Ban	Quercus incana	14-16	V	Green Standing	Nadal
254	Ban	Quercus incana	10-12	V	Green Standing	Nadal
255	Ban	Quercus incana	10-11	V	Green Standing	Nadal
256	Ban	Quercus incana	30-34	III	Green Standing	Nadal
257	Ban	Quercus incana	18-20	V	Green Standing	Nadal
258	Ban	Quercus incana	22-26	IV	Green Standing	Nadal
259	Ban	Quercus incana	18-18	V	Green Standing	Nadal
260	Ban	Quercus incana	14-16	V	Green Standing	Nadal
261	Ban	Quercus incana	26-30	IV	Green Standing	Nadal
262	Ban	Quercus incana	32-34	III	Green Standing	Nadal
263	Ban	Quercus incana	34-40	III	Green Standing	Nadal
264	Ban	Quercus incana	34-44	III	Green Standing	Nadal
265	Ban	Quercus incana	12-14	V	Green Standing	Nadal
266	Ban	Quercus incana	26-28	IV	Green Standing	Nadal
267	Ban	Quercus incana	34-40	III	Green Standing	Nadal
268	Ban	Quercus incana	16-18	V	Green Standing	Nadal
269	Ban	Quercus incana	14-16	V	Green Standing	Nadal
270	Ban	Quercus incana	10-12	V	Green Standing	Nadal
271	Ban	Quercus incana	14-16	V	Green Standing	Nadal
272	Ban	Quercus incana	10-12	V	Green Standing	Nadal
273	Ban	Quercus incana	44-44	IIA	Green Standing	Nadal
274	Ban	Quercus incana	34-34	III	Green Standing	Nadal
275	Ban	Quercus incana	30-38	III	Green Standing	Nadal
276	Ban	Quercus incana	38-44	IIA	Green Standing	Nadal
277	Ban	Quercus incana	26-28	IV	Green Standing	Nadal
278	Ban	Quercus incana	30-32	III	Green Standing	Nadal
279	Ban	Quercus incana	14-18	V	Green Standing	Nadal
280	Ban	Quercus incana	10-12	V	Green Standing	Nadal
281	Ban	Quercus incana	22-24	IV	Green Standing	Nadal
282	Ban	Quercus incana	28-30	IV	Green Standing	Nadal
283	Ban	Quercus incana	34-40	III	Green Standing	Nadal
284	Ban	Quercus incana	16-18	V	Green Standing	Nadal
285	Ban	Quercus incana	10-12	V	Green Standing	Nadal
286	Ban	Quercus incana	24-30	IV	Green Standing	Nadal
287	Ban	Quercus incana	14-16	V	Green Standing	Nadal
288	Ban	Quercus incana	20-24	IV	Green Standing	Nadal
289	Ban	Quercus incana	14-18	V	Green Standing	Nadal
290	Ban	Quercus incana	12-14	V	Green Standing	Nadal
291	Ban	Quercus incana				
292	Ban	Quercus incana	12-14	V	Green Standing	Nadal
293	Ban	Quercus incana	10-12	V	Green Standing	Nadal
294	Ban	Quercus incana	30-32	III	Green Standing	Nadal
295	Ban	Quercus incana	12-14	V	Green Standing	Nadal
			10-12	V	Green Standing	Nadal

296	Ban	Quercus incana	10-11	V	Green Standing	Nagod
297	Ban	Quercus incana	16-18	V	Green Standing	Nagod
298	Ban	Quercus incana	22-24	IV	Green Standing	Nagod
299	Ban	Quercus incana	26-28	IV	Green Standing	Nagod
300	Ban	Quercus incana	12-14	V	Green Standing	Nagod
301	Ban	Quercus incana	20-22	IV	Green Standing	Nagod
302	Ban	Quercus incana	12-14	V	Green Standing	Nagod
303	Ban	Quercus incana	20-22	IV	Green Standing	Nagod
304	Ban	Quercus incana	12-14	V	Green Standing	Nagod
305	Ban	Quercus incana	12-14	V	Green Standing	Nagod
306	Ban	Quercus incana	14-16	V	Green Standing	Nagod
307	Ban	Quercus incana	15-18	V	Green Standing	Nagod
308	Ban	Quercus incana	18-20	V	Green Standing	Nagod
309	Ban	Quercus incana	15-16	V	Green Standing	Nagod
310	Ban	Quercus incana	26-28	IV	Green Standing	Nagod
311	Ban	Quercus incana	22-24	IV	Green Standing	Nagod
312	Ban	Quercus incana	14-16	V	Green Standing	Nagod
313	Ban	Quercus incana	10-12	V	Green Standing	Nagod
314	Ban	Quercus incana	16-18	V	Green Standing	Nagod
315	Ban	Quercus incana	12-14	V	Green Standing	Nagod
316	Ban	Quercus incana	12-12	V	Green Standing	Nagod
317	Ban	Quercus incana	16-18	V	Green Standing	Nagod
318	Ban	Quercus incana	28-30	IV	Green Standing	Nagod
319	Ban	Quercus incana	12-14	V	Green Standing	Nagod
320	Ban	Quercus incana	10-11	V	Green Standing	Nagod
321	Ban	Quercus incana	10-11	V	Green Standing	Nagod
322	Ban	Quercus incana	24-30	IV	Green Standing	Nagod
323	Ban	Quercus incana	10-12	V	Green Standing	Nagod
324	Ban	Quercus incana	10-12	V	Green Standing	Nagod
325	Ban	Quercus incana	12-14	V	Green Standing	Nagod
326	Ban	Quercus incana	14-16	V	Green Standing	Nagod
327	Chil	Pinus Roxburghii	10-12	V	Green Standing	Nagod
328	Ban	Quercus incana	12-14	V	Green Standing	Nagod
329	Ban	Quercus incana	12-14	V	Green Standing	Nagod
330	Ban	Quercus incana	10-12	V	Green Standing	Nagod
331	Ban	Quercus incana	10-12	V	Green Standing	Nagod
332	Ban	Quercus incana	12-14	V	Green Standing	Nagod
333	Ban	Quercus incana	12-14	V	Green Standing	Nagod
334	Ban	Quercus incana	16-18	V	Green Standing	Nagod
335	Chil	Pinus Roxburghii	10-12	V	Green Standing	Nagod
336	Ban	Quercus incana	10-12	V	Green Standing	Nagod
337	Ban	Quercus incana	18-22	V	Green Standing	Nagod
338	Ban	Quercus incana	15-16	V	Green Standing	Nagod
339	Ban	Quercus incana	10-12	V	Green Standing	Nagod
340	Ban	Quercus incana	16-18	V	Green Standing	Nagod
341	Ban	Quercus incana	10-22	V	Green Standing	Nagod
342	Ban	Quercus incana	32-34	III	Green Standing	Nagod
343	Kainth	Pyrus pashia	16-18	V	Green Standing	Nagod
344	Ban	Quercus incana	14-18	V	Green Standing	Nagod
345	Ban	Quercus incana	16-18	V	Green Standing	Nagod
346	Ban	Quercus incana	16-18	V	Green Standing	Nagod
347	Ban	Quercus incana	10-14	V	Green Standing	Nagod
348	Ban	Quercus incana	18-20	V	Green Standing	Nagod
349	Ban	Quercus incana	22-22	IV	Green Standing	Nagod
36						
350	Ban	Quercus incana	18-20	V	Green Standing	Nagod
351	Ban	Quercus incana	30-32	III	Green Standing	Nagod
352	Ban	Quercus incana	40-46	IIA	Green Standing	Nagod
353	Ban	Quercus incana	26-28	IV	Green Standing	Nagod
354	Ban	Quercus incana	42-48	IIA	Green Standing	Nagod
355	Ban	Quercus incana	20-22	IV	Green Standing	Nagod

356	Ban	Quercus incana	10-12	V	Green Standing	Nagod
357	Ban	Quercus incana	15-16	V	Green Standing	Nagod
358	Ban	Quercus incana	16-18	V	Green Standing	Nagod
359	Ban	Quercus incana	18-20	V	Green Standing	Nagod
360	Ban	Quercus incana	10-12	V	Green Standing	Nagod
361	Ban	Quercus incana	12-14	V	Green Standing	Nagod
362	Ban	Quercus incana	10-12	V	Green Standing	Nagod
363	Ban	Quercus incana	14-18	V	Green Standing	Nagod
364	Ban	Quercus incana	15-16	V	Green Standing	Nagod
365	Chil	Pinus Roxburghii	35-36	III	Green Standing	Nagod
366	Chil	Pinus Roxburghii	34-36	III	Green Standing	Nagod
367	Chil	Pinus Roxburghii	28-30	IV	Green Standing	Nagod
368	Chil	Pinus Roxburghii	10-12	V	Green Standing	Nagod
369	Chil	Pinus Roxburghii	18-12	V	Green Standing	Nagod
370	Chil	Pinus Roxburghii	20-30	IV	Green Standing	Nagod
371	Chil	Pinus Roxburghii	33-35	III	Green Standing	Nagod
372	Chil	Pinus Roxburghii	30-32	III	Green Standing	Nagod
373	Chil	Pinus Roxburghii	26-28	IV	Green Standing	Nagod
374	Chil	Pinus Roxburghii	50-52	IIB	Green Standing	Nagod
375	Chil	Pinus Roxburghii	28-30	IV	Green Standing	Nagod
376	Chil	Pinus Roxburghii	42-44	IIA	Green Standing	Nagod
377	Chil	Pinus Roxburghii	22-24	IV	Green Standing	Nagod
378	Chil	Pinus Roxburghii	40-42	IIA	Green Standing	Nagod
379	Ban	Quercus incana	30-36	III	Green Standing	Nagod
380	Ban	Quercus incana	34-36	III	Green Standing	Nagod
381	Ban	Quercus incana	20-24	IV	Green Standing	Nagod
382	Ban	Quercus incana	32-34	III	Green Standing	Nagod
383	Ban	Quercus incana	28-30	IV	Green Standing	Nagod
384	Ban	Quercus incana	30-38	III	Green Standing	Nagod
385	Ban	Quercus incana	22-24	IV	Green Standing	Nagod
386	Chil	Pinus Roxburghii	30-32	III	Green Standing	Nagod
387	Chil	Pinus Roxburghii	30-32	III	Green Standing	Nagod
388	Ban	Quercus incana	28-30	IV	Green Standing	Nagod
389	Ban	Quercus incana	36-38	III	Green Standing	Nagod
390	Ban	Quercus incana	36-40	III	Green Standing	Nagod
391	Ban	Quercus incana	10-12	V	Green Standing	Nagod
392	Ban	Quercus incana	54-80	IA	Green Standing	Nagod
393	Ban	Quercus incana	20-24	IV	Green Standing	Nagod
394	Ban	Quercus incana	24-30	IV	Green Standing	Nagod
395	Ban	Quercus incana	12-14	V	Green Standing	Nagod
396	Ban	Quercus incana	38-40	III	Green Standing	Nagod
397	Ban	Quercus incana	14-18	V	Green Standing	Nagod
398	Ban	Quercus incana	30-32	III	Green Standing	Nagod
399	Ban	Quercus incana	22-24	IV	Green Standing	Nagod
400	Ban	Quercus incana	12-15	V	Green Standing	Nagod
401	Ban	Quercus incana	80-90	IC	Green Standing	Nagod
402	Ban	Quercus incana	24-26	IV	Green Standing	Nagod
403	Ban	Quercus incana	18-20	V	Green Standing	Nagod
404	Ban	Quercus incana	24-26	IV	Green Standing	Nagod
405	Ban	Quercus incana	26-28	IV	Green Standing	Nagod
406	Ban	Quercus incana	38-48	III	Green Standing	Nagod
407	Ban	Quercus incana	16-18	V	Green Standing	Nagod
408	Kainth	Pyrus pashia	16-18	V	Green Standing	Nagod
409	Ban	Quercus incana				
410	Ban	Quercus incana	24-28	IV	Green Standing	Nagod
411	Ban	Quercus incana	32-38	III	Green Standing	Nagod
412	Ban	Quercus incana	26-28	IV	Green Standing	Nagod
413	Ban	Quercus incana	90-100	ID	Green Standing	Nagod
414	Ban	Quercus incana	16-18	V	Green Standing	Nagod
415	Ban	Quercus incana	16-20	V	Green Standing	Nagod
			20-22	IV	Green Standing	Nagod

416	Ban	Quercus incana	28-36	III	Green Standing	Nagod
417	Ban	Quercus incana	52-58	IIB	Green Standing	Nagod
418	Ban	Quercus incana	42-50	IIA	Green Standing	Nagod
419	Ban	Quercus incana	18-20	V	Green Standing	Nagod
420	Ban	Quercus incana	19-26	IV	Green Standing	Nagod
421	Ban	Quercus incana	18-21	V	Green Standing	Nagod
422	Ban	Quercus incana	42-46	IIA	Green Standing	Nagod
423	Ban	Quercus incana	30-38	III	Green Standing	Nagod
424	Ban	Quercus incana	18-21	V	Green Standing	Nagod
425	Ban	Quercus incana	38-46	III	Green Standing	Nagod
426	Ban	Quercus incana	25-26	IV	Green Standing	Nagod
427	Ban	Quercus incana	22-24	IV	Green Standing	Nagod
428	Ban	Quercus incana	16-18	V	Green Standing	Nagod
429	Ban	Quercus incana	26-28	IV	Green Standing	Nagod
430	Ban	Quercus incana	24-26	IV	Green Standing	Nagod
431	Ban	Quercus incana	16-18	V	Green Standing	Nagod
432	Ban	Quercus incana	28-31	IV	Green Standing	Nagod
433	Ban	Quercus incana	28-30	IV	Green Standing	Nagod
434	Ban	Quercus incana	38-74	IIB	Green Standing	Nagod
435	Ban	Quercus incana	44-52	IIA	Green Standing	Nagod
436	Ban	Quercus incana	70-92	IC	Green Standing	Nagod
437	Ban	Quercus incana	54-62	IIB	Green Standing	Nagod
438	Ban	Quercus incana	24-50	III	Green Standing	Nagod
439	Ban	Quercus incana	12-14	V	Green Standing	Nagod
440	Kainth	Pyrus pashia	20-22	IV	Green Standing	Nagod
441	Ban	Quercus incana	12-14	V	Green Standing	Nagod
442	Allan	Pieris ovalifolia	20-24	IV	Green Standing	Nagod
443	Allan	Pieris ovalifolia	30-34	III	Green Standing	Nagod
444	Ban	Quercus incana	28-34	III	Green Standing	Nagod
445	Allan	Pieris ovalifolia	18-18	V	Green Standing	Nagod
446	Ban	Quercus incana	42-46	IIA	Green Standing	Nagod
447	Ban	Quercus incana	28-33	IV	Green Standing	Nagod
448	Ban	Quercus incana	18-22	V	Green Standing	Nagod
449	Ban	Quercus incana	18-24	IV	Green Standing	Nagod
450	Ban	Quercus incana	28-38	III	Green Standing	Nagod
451	Ban	Quercus incana	22-26	IV	Green Standing	Kunda
452	Ban	Quercus incana	18-24	IV	Green Standing	Kunda
453	Ban	Quercus incana	20-27	IV	Green Standing	Kunda
454	Ban	Quercus incana	20-22	IV	Green Standing	Kunda
455	Ban	Quercus incana	16-20	V	Green Standing	Kunda
456	Ban	Quercus incana	38-40	III	Green Standing	Kunda
457	Ban	Quercus incana	24-32	IV	Green Standing	Kunda
458	Ban	Quercus incana	18-20	V	Green Standing	Kunda
459	Ban	Quercus incana	22-24	IV	Green Standing	Kunda
460	Ban	Quercus incana	16-18	V	Green Standing	Kunda
461	Ban	Quercus incana	18-24	IV	Green Standing	Kunda
462	Ban	Quercus incana	22-28	IV	Green Standing	Kunda
463	Ban	Quercus incana	26-32	IV	Green Standing	Kunda
464	Ban	Quercus incana	12-14	V	Green Standing	Kunda
465	Ban	Quercus incana	32-42	III	Green Standing	Kunda
466	Ban	Quercus incana	27-32	III	Green Standing	Kunda
467	Ban	Quercus incana	18-24	IV	Green Standing	Kunda
468	Ban	Quercus incana				
469	Chihu	Rhododendron arboreum	30-32	III	Green Standing	Kunda
470	Chihu	Rhododendron arboreum	18-26	IV	Green Standing	Kunda
471	Chihu	Rhododendron arboreum	20-24	IV	Green Standing	Kunda
472	Ban	Quercus incana	18-20	V	Green Standing	Kunda
473	Ban	Quercus incana	12-14	V	Green Standing	Kunda
474	Ban	Quercus incana	14-18	V	Green Standing	Kunda
475	Chihu	Rhododendron arboreum	26-28	IV	Green Standing	Kunda
			20-22	IV	Green Standing	Kunda

476	Ban	Quercus incana	16-20	V	Green Standing	Kunda
477	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
	Ban	Quercus incana	26-30	IV	Green Standing	Kunda
479	Ban	Quercus incana	32-32	III	Green Standing	Kunda
480	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
481	Ban	Quercus incana	16-18	V	Green Standing	Kunda
482	Ban	Quercus incana	18-18	V	Green Standing	Kunda
483	Ban	Quercus incana	26-32	IV	Green Standing	Kunda
484	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
485	Ban	Quercus incana	12-16	V	Green Standing	Kunda
486	Ban	Quercus incana	58-70	IA	Green Standing	Kunda
487	Ban	Quercus incana	20-22	IV	Green Standing	Kunda
488	Ban	Quercus incana	22-24	IV	Green Standing	Kunda
489	Ban	Quercus incana	30-32	III	Green Standing	Kunda
490	Ban	Quercus incana	14-16	V	Green Standing	Kunda
491	Ban	Quercus incana	22-22	IV	Green Standing	Kunda
492	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
493	Ban	Quercus incana	16-18	V	Green Standing	Kunda
494	Ban	Quercus incana	26-32	IV	Green Standing	Kunda
495	Ban	Quercus incana	20-26	IV	Green Standing	Kunda
496	Ban	Quercus incana	26-28	IV	Green Standing	Kunda
497	Kainth	Pyrus pashia	14-16	V	Green Standing	Kunda
498	Ban	Quercus incana	40-42	IIA	Green Standing	Kunda
499	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
500	Ban	Quercus incana	16-20	V	Green Standing	Kunda
501	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
502	Ban	Quercus incana	28-31	IV	Green Standing	Kunda
503	Ban	Quercus incana	12-14	V	Green Standing	Kunda
504	Ban	Quercus incana	38-41	III	Green Standing	Kunda
505	Ban	Quercus incana	24-30	IV	Green Standing	Kunda
506	Ban	Quercus incana	28-30	IV	Green Standing	Kunda
507	Ban	Quercus incana	28-28	IV	Green Standing	Kunda
508	Ban	Quercus incana	24-28	IV	Green Standing	Kunda
509	Ban	Quercus incana	18-18	V	Green Standing	Kunda
510	Ban	Quercus incana	20-24	IV	Green Standing	Kunda
511	Ban	Quercus incana	16-16	V	Green Standing	Kunda
512	Ban	Quercus incana	26-32	IV	Green Standing	Kunda
513	Allan	Pieris ovalifolia	24-28	IV	Green Standing	Kunda
514	Allan	Pieris ovalifolia	18-24	IV	Green Standing	Kunda
515	Allan	Pieris ovalifolia	20-22	IV	Green Standing	Kunda
516	Chihu	Rhododendron arboreum	16-18	V	Green Standing	Kunda
517	Chihu	Rhododendron arboreum	18-18	V	Green Standing	Kunda
518	Ban	Quercus incana	14-14	V	Green Standing	Kunda
519	Chihu	Rhododendron arboreum	40-50	IIA	Green Standing	Kunda
520	Ban	Quercus incana	20-24	IV	Green Standing	Kunda
521	Chihu	Rhododendron arboreum	32-36	III	Green Standing	Kunda
522	Chihu	Rhododendron arboreum	32-36	III	Green Standing	Kunda
523	Chihu	Rhododendron arboreum	34-34	III	Green Standing	Kunda
524	Ban	Quercus incana	12-12	V	Green Standing	Kunda
525	Ban	Quercus incana	20-26	IV	Green Standing	Kunda
526	Ban	Quercus incana	12-12	V	Green Standing	Kunda
39						
527	Ban	Quercus incana	14-18	V	Green Standing	Kunda
528	Ban	Quercus incana	10-11	V	Green Standing	Kunda
529	Chihu	Rhododendron arboreum	32-34	III	Green Standing	Kunda
530	Ban	Quercus incana	18-24	IV	Green Standing	Kunda
531	Chihu	Rhododendron arboreum	18-24	IV	Green Standing	Kunda
532	Chihu	Rhododendron arboreum	14-16	V	Green Standing	Kunda
533	Chihu	Rhododendron arboreum	32-34	III	Green Standing	Kunda
534	Allan	Pieris ovalifolia	24-28	IV	Green Standing	Kunda
535	Ban	Quercus incana	18-20	V	Green Standing	Kunda

536	Ban	Quercus incana	24-30	IV	Green Standing	Kunda
537	Ban	Quercus incana	22-26	IV	Green Standing	Kunda
538	Ban	Quercus incana	24-32	IV	Green Standing	Kunda
539	Ban	Quercus incana	20-22	IV	Green Standing	Kunda
540	Ban	Quercus incana	20-24	IV	Green Standing	Kunda
541	Ban	Quercus incana	20-24	IV	Green Standing	Kunda
542	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Kunda
543	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Kunda
544	Ban	Quercus incana	16-16	V	Green Standing	Kunda
545	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Kunda
546	Chihu	Rhododendron arboreum	26-28	IV	Green Standing	Kunda
547	Chihu	Rhododendron arboreum	12-14	V	Green Standing	Kunda
548	Ban	Quercus incana	26-28	IV	Green Standing	Kunda
549	Ban	Quercus incana	14-20	V	Green Standing	Kunda
550	Ban	Quercus incana	20-22	IV	Green Standing	Kunda
551	Chihu	Rhododendron arboreum	16-18	V	Green Standing	Kunda
552	Ban	Quercus incana	16-16	V	Green Standing	Kunda
553	Ban	Quercus incana	24-28	IV	Green Standing	Kunda
554	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Kunda
555	Ban	Quercus incana	26-30	IV	Green Standing	Kunda
556	Ban	Quercus incana	18-24	IV	Green Standing	Kunda
557	Ban	Quercus incana	18-20	V	Green Standing	Kunda
558	Chihu	Rhododendron arboreum	20-24	IV	Green Standing	Kunda
559	Ban	Quercus incana	18-24	IV	Green Standing	Kunda
560	Ban	Quercus incana	20-26	IV	Green Standing	Kunda
561	Ban	Quercus incana	28-30	IV	Green Standing	Kunda
562	Ban	Quercus incana	28-26	IV	Green Standing	Kunda
563	Ban	Quercus incana	24-30	IV	Green Standing	Kunda
564	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
565	Ban	Quercus incana	32-36	III	Green Standing	Kunda
566	Ban	Quercus incana	28-30	IV	Green Standing	Kunda
567	Ban	Quercus incana	32-42	III	Green Standing	Kunda
568	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
569	Ban	Quercus incana	32-36	III	Green Standing	Kunda
570	Ban	Quercus incana	34-42	III	Green Standing	Kunda
571	Ban	Quercus incana	14-18	V	Green Standing	Kunda
572	Ban	Quercus incana	22-22	IV	Green Standing	Kunda
573	Ban	Quercus incana	22-26	IV	Green Standing	Kunda
574	Ban	Quercus incana	14-16	V	Green Standing	Kunda
575	Ban	Quercus incana	12-14	V	Green Standing	Kunda
576	Ban	Quercus incana	38-46	IIA	Green Standing	Kunda
577	Ban	Quercus incana	24-30	IV	Green Standing	Kunda
578	Ban	Quercus incana	14-16	V	Green Standing	Kunda
579	Ban	Quercus incana	42-44	IIA	Green Standing	Kunda
580	Ban	Quercus incana	14-18	V	Green Standing	Kunda
581	Ban	Quercus incana	18-18	V	Green Standing	Kunda
582	Ban	Quercus incana	20-20	V	Green Standing	Kunda
583	Ban	Quercus incana	12-12	V	Green Standing	Kunda
584	Ban	Quercus incana	28-34	III	Green Standing	Kunda
585	Ban	Quercus incana	24-28	IV	Green Standing	Kunda
586	Ban	Quercus incana				
587	Ban	Quercus incana	28-30	IV	Green Standing	Kunda
588	Ban	Quercus incana	14-16	V	Green Standing	Kunda
589	Ban	Quercus incana	28-28	IV	Green Standing	Kunda
590	Ban	Quercus incana	12-14	V	Green Standing	Kunda
591	Ban	Quercus incana	30-34	III	Green Standing	Kunda
592	Ban	Quercus incana	28-28	IV	Green Standing	Kunda
593	Ban	Quercus incana	18-20	V	Green Standing	Kunda
594	Ban	Quercus incana	26-30	IV	Green Standing	Kunda
595	Ban	Quercus incana	26-30	IV	Green Standing	Kunda
			22-24	IV	Green Standing	Kunda

596	Ban	Quercus incana	26-26	IV	Green Standing	Kunda
597	Ban	Quercus incana	34-34	III	Green Standing	Kunda
	Ban	Quercus incana	10-11	V	Green Standing	Kunda
599	Ban	Quercus incana	10-11	V	Green Standing	Kunda
600	Ban	Quercus incana	22-24	IV	Green Standing	Kunda
601	Ban	Quercus incana	32-32	III	Green Standing	Kunda
602	Ban	Quercus incana	18-24	V	Green Standing	Kunda
603	Ban	Quercus incana	20-24	IV	Green Standing	Kunda
604	Ban	Quercus incana	12-16	V	Green Standing	Kunda
605	Ban	Quercus incana	14-16	V	Green Standing	Kunda
606	Ban	Quercus incana	32-34	III	Green Standing	Kunda
607	Ban	Quercus incana	42-42	IIA	Green Standing	Kunda
608	Ban	Quercus incana	34-38	III	Green Standing	Kunda
609	Ban	Quercus incana	34-44	III	Green Standing	Kunda
610	Ban	Quercus incana	36-38	III	Green Standing	Kunda
611	Ban	Quercus incana	34-38	III	Green Standing	Kunda
612	Ban	Quercus incana	40-42	IIA	Green Standing	Kunda
613	Ban	Quercus incana	14-24	V	Green Standing	Kunda
614	Ban	Quercus incana	22-22	IV	Green Standing	Kunda
615	Ban	Quercus incana	10-12	V	Green Standing	Kunda
616	Ban	Quercus incana	32-46	III	Green Standing	Kunda
617	Ban	Quercus incana	18-21	V	Green Standing	Kunda
618	Ban	Quercus incana	14-16	V	Green Standing	Kunda
619	Ban	Quercus incana	26-28	IV	Green Standing	Kunda
620	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
621	Ban	Quercus incana	28-28	IV	Green Standing	Kunda
622	Ban	Quercus incana	24-32	IV	Green Standing	Kunda
623	Ban	Quercus incana	30-32	III	Green Standing	Kunda
624	Ban	Quercus incana	62-65	IA	Green Standing	Kunda
625	Ban	Quercus incana	34-52	IIA	Green Standing	Kunda
626	Ban	Quercus incana	36-40	III	Green Standing	Kunda
627	Ban	Quercus incana	18-20	V	Green Standing	Kunda
628	Ban	Quercus incana	20-24	IV	Green Standing	Kunda
629	Ban	Quercus incana	22-28	IV	Green Standing	Kunda
630	Ban	Quercus incana	36-36	III	Green Standing	Kunda
631	Ban	Quercus incana	24-26	IV	Green Standing	Kunda
632	Ban	Quercus incana	42-42	IIA	Green Standing	Kunda
633	Ban	Quercus incana	18-24	IV	Green Standing	Kunda
634	Ban	Quercus incana	28-30	IV	Green Standing	Kunda
635	Ban	Quercus incana	16-20	V	Green Standing	Kunda
636	Ban	Quercus incana	20-22	IV	Green Standing	Kunda
637	Ban	Quercus incana	12-15	V	Green Standing	Kunda
638	Ban	Quercus incana	20-22	IV	Green Standing	Kunda
639	Ban	Quercus incana	12-14	V	Green Standing	Kunda
640	Ban	Quercus incana	10-11	V	Green Standing	Kunda
641	Chihu	Rhododendron arboreum	12-13	V	Green Standing	Kunda
642	Chihu	Rhododendron arboreum	28-30	IV	Green Standing	Kunda
643	Chihu	Rhododendron arboreum	22-24	IV	Green Standing	Kunda
644	Chihu	Rhododendron arboreum	22-28	IV	Green Standing	Kunda
41						
645	Chihu	Rhododendron arboreum	28-30	IV	Green Standing	Kunda
646	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Kunda
647	Chihu	Rhododendron arboreum	18-22	V	Green Standing	Kunda
648	Ban	Quercus incana	20-22	IV	Green Standing	Kunda
649	Chirmdi	Litsaea glutinosa	22-24	IV	Green Standing	Kunda
650	Chihu	Rhododendron arboreum	24-28	IV	Green Standing	Kunda
651	Allan	Pieris ovalifolia	34-36	III	Green Standing	Kunda
652	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Kunda
653	Kainth	Pyrus pashia	10-12	V	Green Standing	Kunda
654	Chihu	Rhododendron arboreum	18-21	V	Green Standing	Kunda
655	Chihu	Rhododendron arboreum	14-18	V	Green Standing	Kunda

656	Ban	Quercus incana	18-20	V	Green Standing	Kunda
657	Chihu	Rhododendron arboreum	24-26	IV	Green Standing	Kunda
658	Chirndi	Litsaea glutinosa	16-18	V	Green Standing	Kunda
659	Chirndi	Litsaea glutinosa	20-22	IV	Green Standing	Kunda
660	Chihu	Rhododendron arboreum	38-40	III	Green Standing	Kunda
661	Chirndi	Litsaea glutinosa	16-24	V	Green Standing	Kunda
662	Ban	Quercus incana	16-18	V	Green Standing	Kunda
663	Chihu	Rhododendron arboreum	32-40	III	Green Standing	Kunda
664	Chander		22-24	IV	Green Standing	Kunda
665	Chihu	Rhododendron arboreum	26-39	III	Green Standing	Kunda
666	Chihu	Rhododendron arboreum	28-34	III	Green Standing	Douri Ban
667	Chihu	Rhododendron arboreum	32-36	III	Green Standing	Douri Ban
668	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Douri Ban
669	Chihu	Rhododendron arboreum	20-22	IV	Green Standing	Douri Ban
670	Chihu	Rhododendron arboreum	16-18	V	Green Standing	Douri Ban
671	Chihu	Rhododendron arboreum	22-32	IV	Green Standing	Douri Ban
672	Chihu	Rhododendron arboreum	26-32	IV	Green Standing	Douri Ban
673	Allan	Pieris ovalifolia	14-16	V	Green Standing	Douri Ban
674	Allan	Pieris ovalifolia	20-22	IV	Green Standing	Douri Ban
675	Allan	Pieris ovalifolia	10-12	V	Green Standing	Douri Ban
676	Chihu	Rhododendron arboreum	24-26	IV	Green Standing	Douri Ban
677	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Douri Ban
678	Allan	Pieris ovalifolia	38-60	IIA	Green Standing	Douri Ban
679	Chihu	Rhododendron arboreum	26-32	IV	Green Standing	Douri Ban
680	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Douri Ban
681	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Douri Ban
682	Chihu	Rhododendron arboreum	14-18	V	Green Standing	Douri Ban
683	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Douri Ban
684	Chihu	Rhododendron arboreum	22-28	IV	Green Standing	Douri Ban
685	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Douri Ban
686	Chihu	Rhododendron arboreum	16-16	V	Green Standing	Douri Ban
687	Chihu	Rhododendron arboreum	16-18	V	Green Standing	Douri Ban
688	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Douri Ban
689	Chihu	Rhododendron arboreum	14-16	V	Green Standing	Douri Ban
690	Allan	Pieris ovalifolia	20-22	IV	Green Standing	Douri Ban
691	Chihu	Rhododendron arboreum	22-26	IV	Green Standing	Douri Ban
692	Allan	Pieris ovalifolia	22-26	IV	Green Standing	Douri Ban
693	Allan	Pieris ovalifolia	12-14	V	Green Standing	Douri Ban
694	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Douri Ban
695	Allan	Pieris ovalifolia	10-12	V	Green Standing	Douri Ban
696	Chihu	Rhododendron arboreum	14-16	V	Green Standing	Douri Ban
697	Chihu	Rhododendron arboreum	12-14	V	Green Standing	Douri Ban
698	Ban	Quercus incana	12-12	V	Green Standing	Douri Ban
699	Chirndi	Litsaea glutinosa	18-20	V	Green Standing	Douri Ban
700	Chander		24-26	IV	Green Standing	Douri Ban
701	Chirndi	Litsaea glutinosa	36-32	III	Green Standing	Douri Ban
702	Chirndi	Litsaea glutinosa	32-36	III	Green Standing	Douri Ban
703	Chirndi	Litsaea glutinosa	34-36	III	Green Standing	Douri Ban
704	Chirndi	Litsaea glutinosa				
705	Ban	Quercus incana	18-20	V	Green Standing	Douri Ban
706	Chander		28-32	IV	Green Standing	Douri Ban
707	Chander		32-34	III	Green Standing	Douri Ban
708	Chihu	Rhododendron arboreum	28-31	IV	Green Standing	Douri Ban
709	Ban	Quercus incana	12-14	V	Green Standing	Douri Ban
710	Chander		14-16	V	Green Standing	Douri Ban
711	Chirndi	Litsaea glutinosa	20-22	IV	Green Standing	Douri Ban
712	Chander		14-16	V	Green Standing	Douri Ban
713	Chirndi	Litsaea glutinosa	38-40	III	Green Standing	Douri Ban
714	Chirndi	Litsaea glutinosa	22-26	IV	Green Standing	Douri Ban
715	Chirndi	Litsaea glutinosa	12-16	V	Green Standing	Khall
			38-40	III	Green Standing	Khall

716	Chirndi	Litsaea glutinosa	36-36	III	Green Standing	Khall
717	Chirndi	Litsaea glutinosa	50-52	IIB	Green Standing	Khall
718	Chirndi	Litsaea glutinosa	52-58	IIB	Green Standing	Khall
	Chirndi	Litsaea glutinosa	22-28	IV	Green Standing	Khall
720	Chirndi	Litsaea glutinosa	20-22	IV	Green Standing	Khall
721	Ban	Quercus incana	34-36	III	Green Standing	Khall
722	Ban	Quercus incana	38-52	IIA	Green Standing	Khall
723	Ban	Quercus incana	28-31	IV	Green Standing	Khall
724	Ban	Quercus incana	30-32	III	Green Standing	Khall
725	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Khall
726	Ban	Quercus incana	32-38	III	Green Standing	Khall
727	Ban	Quercus incana	34-36	III	Green Standing	Khall
728	Ban	Quercus incana	20-22	IV	Green Standing	Khall
729	Ban	Quercus incana	12-14	V	Green Standing	Khall
730	Ban	Quercus incana	30-32	III	Green Standing	Khall
731	Ban	Quercus incana	12-14	V	Green Standing	Khall
732	Ban	Quercus incana	20-22	IV	Green Standing	Khall
733	Ban	Quercus incana	18-20	V	Green Standing	Khall
734	Ban	Quercus incana	16-18	V	Green Standing	Khall
735	Ban	Quercus incana	14-16	V	Green Standing	Khall
736	Ban	Quercus incana	40-42	IIA	Green Standing	Khall
737	Ban	Quercus incana	20-22	IV	Green Standing	Khall
738	Chihu	Rhododendron arboreum	22-24	IV	Green Standing	Khall
739	Chihu	Rhododendron arboreum	24-26	IV	Green Standing	Khall
740	Ban	Quercus incana	30-32	III	Green Standing	Khall
741	Chihu	Rhododendron arboreum	22-26	IV	Green Standing	Khall
742	Chirndi	Litsaea glutinosa	10-12	V	Green Standing	Khall
743	Allan	Pieris ovalifolia	22-26	IV	Green Standing	Khall
744	Ban	Quercus incana	10-12	V	Green Standing	Khall
745	Allan	Pieris ovalifolia	20-22	IV	Green Standing	Khall
746	Ban	Quercus incana	10-12	V	Green Standing	Khall
747	Ban	Quercus incana	30-32	III	Green Standing	Khall
748	Ban	Quercus incana	12-14	V	Green Standing	Khall
749	Ban	Quercus incana	30-32	III	Green Standing	Khall
750	Chirndi	Litsaea glutinosa	16-18	V	Green Standing	Khall
751	Chirndi	Litsaea glutinosa	18-20	V	Green Standing	Khall
752	Chirndi	Litsaea glutinosa	14-16	V	Green Standing	Khall
753	Chirndi	Litsaea glutinosa	10-12	V	Green Standing	Khall
754	Chirndi	Litsaea glutinosa	22-26	IV	Green Standing	Khall
755	Chirndi	Litsaea glutinosa	26-30	IV	Green Standing	Khall
756	Ban	Quercus incana	18-20	V	Green Standing	Khall
757	Ban	Quercus incana	18-20	V	Green Standing	Khall
758	Ban	Quercus incana	20-24	IV	Green Standing	Khall
759	Ban	Quercus incana	28-31	IV	Green Standing	Khall
760	Ban	Quercus incana	30-32	III	Green Standing	Khall
761	Chihu	Rhododendron arboreum	22-26	IV	Green Standing	Khall
762	Chihu	Rhododendron arboreum	20-22	IV	Green Standing	Khall
763	Ban	Quercus incana	24-26	IV	Green Standing	Khall
764	Allan	Pieris ovalifolia	50-54	IIB	Green Standing	Khall
765	Allan	Pieris ovalifolia	28-30	IV	Green Standing	Khall
766	Ban	Quercus incana	20-22	IV	Green Standing	Khall
767	Ban	Quercus incana	32-34	III	Green Standing	Khall
768	Chihu	Rhododendron arboreum	22-24	IV	Green Standing	Khall
769	Chihu	Rhododendron arboreum	16-20	V	Green Standing	Khall
770	Ban	Quercus incana	22-24	IV	Green Standing	Khall
771	Allan	Pieris ovalifolia	28-31	IV	Green Standing	Khall
772	Ban	Quercus incana	22-24	IV	Green Standing	Khall
773	Ban	Quercus incana	22-26	IV	Green Standing	Khall
774	Ban	Quercus incana	20-22	IV	Green Standing	Khall
775	Ban	Quercus incana	30-32	III	Green Standing	Khall

776	Allan	Pieris ovalifolia	22-24	IV	Green Standing	Khall
777	Chihu	Rhododendron arboreum	26-36	III	Green Standing	Khall
778	Chihu	Rhododendron arboreum	38-40	III	Green Standing	Khall
	Chihu	Rhododendron arboreum	44-50	IIA	Green Standing	Khall
780	Ban	Quercus incana	24-26	IV	Green Standing	Khall
781	Ban	Quercus incana	30-36	III	Green Standing	Khall
782	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Khall
783	Ban	Quercus incana	36-38	III	Green Standing	Khall
784	Ban	Quercus incana	28-30	IV	Green Standing	Khall
785	Chihu	Rhododendron arboreum	20-24	IV	Green Standing	Khall
786	Ban	Quercus incana	12-14	V	Green Standing	Khall
787	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Khall
788	Ban	Quercus incana	10-12	V	Green Standing	Khall
789	Allan	Pieris ovalifolia	20-26	IV	Green Standing	Khall
790	Allan	Pieris ovalifolia	20-24	IV	Green Standing	Khall
791	Chihu	Rhododendron arboreum	24-24	IV	Green Standing	Khall
792	Chihu	Rhododendron arboreum	20-24	IV	Green Standing	Khall
793	Ban	Quercus incana	20-30	IV	Green Standing	Khall
794	Allan	Pieris ovalifolia	20-28	IV	Green Standing	Khall
795	Chihu	Rhododendron arboreum	18-24	IV	Green Standing	Khall
796	Ban	Quercus incana	18-20	V	Green Standing	Khall
797	Ban	Quercus incana	18-20	V	Green Standing	Khall
798	Chihu	Rhododendron arboreum	14-16	V	Green Standing	Khall
799	Ban	Quercus incana	24-26	IV	Green Standing	Khall
800	Chihu	Rhododendron arboreum	16-18	V	Green Standing	Khall
801	Ban	Quercus incana	10-12	V	Green Standing	Khall
802	Chihu	Rhododendron arboreum	70-70	IB	Green Standing	Khall
803	Ban	Quercus incana	22-24	IV	Green Standing	Khall
804	Chihu	Rhododendron arboreum	22-22	IV	Green Standing	Khall
805	Ban	Quercus incana	16-16	V	Green Standing	Khall
806	Ban	Quercus incana	12-14	V	Green Standing	Khall
807	Allan	Pieris ovalifolia	22-24	IV	Green Standing	Khall
808	Chihu	Rhododendron arboreum	34-36	III	Green Standing	Khall
809	Ban	Quercus incana	10-12	V	Green Standing	Khall
810	Chihu	Rhododendron arboreum	38-40	III	Green Standing	Khall
811	Chihu	Rhododendron arboreum	34-38	III	Green Standing	Khall
812	Chihu	Rhododendron arboreum	24-26	IV	Green Standing	Khall
813	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Khall
813	Ban	Quercus incana	18-20	V	Green Standing	Jutahan
814	Allan	Pieris ovalifolia	20-22	IV	Green Standing	Jutahan
814	Allan	Pieris ovalifolia	12-14	V	Green Standing	Jutahan
815	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Jutahan
816	Ban	Quercus incana	30-36	III	Green Standing	Jutahan
817	Ban	Quercus incana	25-30	IV	Green Standing	Jutahan
818	Allan	Pieris ovalifolia	18-20	V	Green Standing	Jutahan
819	Ban	Quercus incana	16-16	V	Green Standing	Jutahan
820	Ban	Quercus incana				44
			22-24	IV	Green Standing	Jutahan
821	Ban	Quercus incana	32-34	III	Green Standing	Jutahan
822	Ban	Quercus incana	18-20	V	Green Standing	Jutahan
823	Ban	Quercus incana	20-30	IV	Green Standing	Jutahan
824	Allan	Pieris ovalifolia	10-12	V	Green Standing	Jutahan
825	Ban	Quercus incana	12-14	V	Green Standing	Jutahan
826	Ban	Quercus incana	14-16	V	Green Standing	Jutahan
827	Ban	Quercus incana	20-24	IV	Green Standing	Jutahan
828	Ban	Quercus incana	18-20	V	Green Standing	Jutahan
829	Ban	Quercus incana	22-24	IV	Green Standing	Jutahan
830	Chihu	Rhododendron arboreum	14-18	V	Green Standing	Jutahan
831	Ban	Quercus incana	10-12	V	Green Standing	Jutahan
832	Allan	Pieris ovalifolia	12-16	V	Green Standing	Jutahan
833	Chihu	Rhododendron arboreum	22-24	IV	Green Standing	Jutahan
834	Ban	Quercus incana				

835	Chihu	Rhododendron arboreum	24-26	IV	Green Standing	Jutrahan
836	Ban	Quercus incana	20-22	IV	Green Standing	Jutrahan
837	Chihu	Rhododendron arboreum	16-18	V	Green Standing	Jutrahan
838	Chihu	Rhododendron arboreum	20-28	IV	Green Standing	Jutrahan
839	Ban	Quercus incana	26-28	IV	Green Standing	Jutrahan
840	Ban	Quercus incana	12-14	V	Green Standing	Jutrahan
841	Ban	Quercus incana	20-22	IV	Green Standing	Jutrahan
842	Ban	Quercus incana	16-22	V	Green Standing	Jutrahan
843	Ban	Quercus incana	20-24	IV	Green Standing	Jutrahan
844	Ban	Quercus incana	34-38	III	Green Standing	Jutrahan
845	Ban	Quercus incana	14-16	V	Green Standing	Jutrahan
846	Ban	Quercus incana	12-14	V	Green Standing	Jutrahan
847	Ban	Quercus incana	18-20	V	Green Standing	Jutrahan
848	Ban	Quercus incana	10-12	V	Green Standing	Jutrahan
849	Allan	Pieris ovalifolia	34-36	III	Green Standing	Jutrahan
850	Ban	Quercus incana	40-50	IIA	Green Standing	Jutrahan
851	Ban	Quercus incana	38-40	III	Green Standing	Jutrahan
852	Chihu	Rhododendron arboreum	32-38	III	Green Standing	Jutrahan
853	Ban	Quercus incana	58-68	IA	Green Standing	Jutrahan
854	Ban	Quercus incana	14-16	V	Green Standing	Jutrahan
855	Ban	Quercus incana	20-22	IV	Green Standing	Jutrahan
856	Kainth	Pyrus pashia	12-12	V	Green Standing	Jutrahan
857	Allan	Pieris ovalifolia	23-27	IV	Green Standing	Jutrahan
858	Ban	Quercus incana	28-24	IV	Green Standing	Jutrahan
859	Ban	Quercus incana	24-52	III	Green Standing	Jutrahan
860	Ban	Quercus incana	30-34	III	Green Standing	Jutrahan
861	Chihu	Rhododendron arboreum	40-46	IIA	Green Standing	Jutrahan
862	Chihu	Rhododendron arboreum	34-38	III	Green Standing	Jutrahan
863	Chihu	Rhododendron arboreum	31-32	III	Green Standing	Jutrahan
864	Chihu	Rhododendron arboreum	24-32	IV	Green Standing	Jutrahan
865	Chihu	Rhododendron arboreum	16-22	V	Green Standing	Jutrahan
866	Ban	Quercus incana	16-18	V	Green Standing	Jutrahan
867	Ban	Quercus incana	18-20	V	Green Standing	Jutrahan
868	Chihu	Rhododendron arboreum	32-36	III	Green Standing	Jutrahan
869	Allan	Pieris ovalifolia	18-21	V	Green Standing	Jutrahan
870	Allan	Pieris ovalifolia	32-36	III	Green Standing	Jutrahan
871	Ban	Quercus incana	18-20	V	Green Standing	Jutrahan
872	Ban	Quercus incana	18-24	IV	Green Standing	Jutrahan
873	Ban	Quercus incana	12-16	V	Green Standing	Jutrahan
874	Chihu	Rhododendron arboreum	18-20	V	Green Standing	Jutrahan
875	Chihu	Rhododendron arboreum	18-28	IV	Green Standing	Jutrahan
876	Chihu	Rhododendron arboreum	27-32	III	Green Standing	Jutrahan
877	Chihu	Rhododendron arboreum	10-12	V	Green Standing	Jutrahan
878	Chihu	Rhododendron arboreum	40-77	IIB	Green Standing	Jutrahan
879	Ban	Quercus incana	26-30	IV	Green Standing	Jutrahan

880	Allan	Pieris ovalifolia	32-46	III	Green Standing	Jutrahan
881	Ban	Quercus incana	32-32	III	Green Standing	Jutrahan
882	Ban	Quercus incana	24-30	IV	Green Standing	Jutrahan
883	Chihu	Rhododendron arboreum	32-57	IIA	Green Standing	Jutrahan
884	Chihu	Rhododendron arboreum	42-48	IIA	Green Standing	Jutrahan
885	Allan	Pieris ovalifolia	46-50	IIA	Green Standing	Jutrahan
886	Allan	Pieris ovalifolia	10-12	V	Green Standing	Jutrahan
887	Chihu	Rhododendron arboreum	16-32	IV	Green Standing	Jutrahan
888	Chihu	Rhododendron arboreum	36-38	III	Green Standing	Jutrahan
889	Chihu	Rhododendron arboreum	28-34	III	Green Standing	Jutrahan
890	Chihu	Rhododendron arboreum	26-28	IV	Green Standing	Jutrahan
891	Chihu	Rhododendron arboreum	32-54	IIA	Green Standing	Jutrahan
892	Ban	Quercus incana	34-38	III	Green Standing	Jutrahan
893	Ban	Quercus incana	18-21	V	Green Standing	Jutrahan
894	Allan	Pieris ovalifolia	32-40	III	Green Standing	Jutrahan
895	Ban	Quercus incana	60-62	IA	Green Standing	Jutrahan
896	Ban	Quercus incana	38-40	III	Green Standing	Jutrahan
897	Ban	Quercus incana	34-45	III	Green Standing	Jutrahan
898	Ban	Quercus incana	38-40	III	Green Standing	Jutrahan
899	Ban	Quercus incana	36-62	IIA	Green Standing	Jutrahan
900	Ban	Quercus incana	42-54	IIA	Green Standing	Jutrahan
901	Ban	Quercus incana	26-31	IV	Green Standing	Jutrahan
902	Ban	Quercus incana	40-44	IIA	Green Standing	Jutrahan
903	Ban	Quercus incana	38-40	III	Green Standing	Jutrahan
904	Ban	Quercus incana	38-40	III	Green Standing	Jutrahan
905	Ban	Quercus incana	30-48	III	Green Standing	Jutrahan
906	Ban	Quercus incana	34-40	III	Green Standing	Jutrahan
907	Ban	Quercus incana	28-30	IV	Green Standing	Jutrahan
908	Ban	Quercus incana	36-38	III	Green Standing	Jutrahan
909	Ban	Quercus incana	42-60	IIB	Green Standing	Jutrahan
910	Ban	Quercus incana	38-40	III	Green Standing	Jutrahan
911	Ban	Quercus incana	44-52	IIA	Green Standing	Jutrahan
912	Ban	Quercus incana	40-51	IIA	Green Standing	Jutrahan
913	Ban	Quercus incana	48-54	IIB	Green Standing	Jutrahan
914	Ban	Quercus incana	32-34	III	Green Standing	Jutrahan
915	Ban	Quercus incana	32-36	III	Green Standing	Jutrahan
916	Ban	Quercus incana	10-12	V	Green Standing	Jutrahan
917	Ban	Quercus incana	28-30	IV	Green Standing	Jutrahan
918	Ban	Quercus incana	26-30	IV	Green Standing	Jutrahan
919	Ban	Quercus incana	36-40	III	Green Standing	Jutrahan
920	Ban	Quercus incana	38-40	III	Green Standing	Jutrahan
921	Ban	Quercus incana	40-44	IIA	Green Standing	Jutrahan
922	Ban	Quercus incana	18-24	IV	Green Standing	Jutrahan
923	Ban	Quercus incana	18-20	V	Green Standing	Jutrahan
924	Ban	Quercus incana	20-24	IV	Green Standing	Jutrahan
925	Ban	Quercus incana	12-18	V	Green Standing	Jutrahan
926	Ban	Quercus incana	18-20	V	Green Standing	Jutrahan
927	Ban	Quercus incana	28-34	IV	Green Standing	Jutrahan
928	Ban	Quercus incana	32-36	III	Green Standing	Jutrahan
929	Ban	Quercus incana	20-28	IV	Green Standing	Jutrahan
930	Ban	Quercus incana	32-34	III	Green Standing	Jutrahan
931	Ban	Quercus incana	42-54	IIA	Green Standing	Jutrahan
932	Ban	Quercus incana	40-42	IIA	Green Standing	Jutrahan

Total Nos. of Trees = 932 Nos.

Range Forest Officer,
Bhalei Forest Range
Bhalei

Assistant Engineer,
Bhalei Sub Division,
HPPWD Bhalei.

Executive Engineer,
Salooni Division,
HPPWD Salooni.

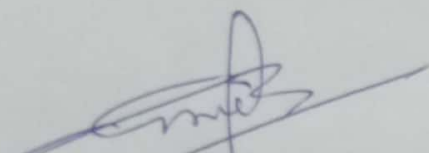
Divisional Forest Officer,
Churah Forest Division,
Salooni Distt. Chamba HP

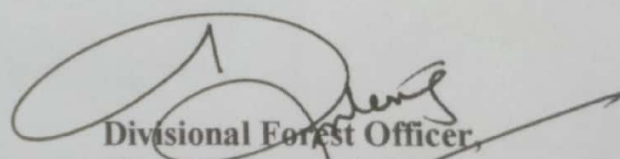
(29)

GENERAL ABSTRACT OF TREES

N.	Name of Species	Scientific name	V	IV	III	IIA	IIB	IB	IA	IC	ID	IE	Total
1	Ban	Quercus incana	341	202	110	36	5	--	5	2	1	--	702
2	Chihu	Rhododendron arboreum	45	37	21	6	1	1	--	--	--	--	111
3	Kainth	Pyrus pashia	24	5	3	--	--	--	--	--	--	--	32
4	Chirmdi	Litsaea glutinosa	11	7	5	--	2	--	--	--	--	--	25
5	Allan	Pieris ovalifolia	8	21	6	2	1	--	--	--	--	--	38
6	Chil	Pinus Roxburghii	4	5	6	2	1	--	--	--	--	--	18
7	Chandar		2	2	--	--	--	--	--	--	--	--	6
Total			436	280	151	46	10	5	1	2	1	--	932

Total number of trees is 932


Range Officer
Bhalei Forest Range
Bhalei Distt.

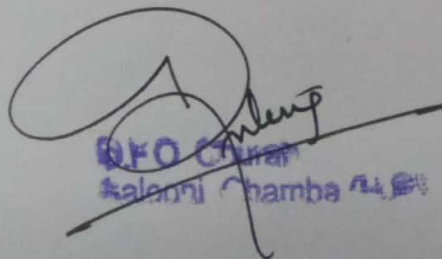

Divisional Forest Officer,
Churah Forest Division,
Salooni, Chamba (HP)

MUCK MANAGEMENT PLAN

Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

	Total Quantity of muck being produced	94333.45
1	Deduction for useful stone as required under clauses of agreement to be executed by the Executive Engineer of Project Implementing unit Division in behalf of Govt. of H.P. for using in project. (Credit for useful stones to be obtained from cutting i.e. 1/3rd quantity of hard blasting	7537.42
	Net balance quantity of debries / Muck	86796.03
2	Add quantity available on site with swell factor @ 40% on P.W. & J.W.	28688.48
	Add quantity available on site with swell factor @ 25% on Blast work	3768.71
	GRAND TOTAL (A)	119253.21
3	Less of material required for the construction of dumping in dry masonry wall @ 5% of (A)	5962.66
4	Less of material / muck required for the levelling of proposed road @ 15% of (A)	17887.98
5	Less of material / muck required for the levelling of proposed road on the analogy of half cutting and half filling @ 40% of (A)	47701.28
	GRAND TOTAL (B)	71551.93
6	Material / muck left in the site which required carriage for the proper dumping at the recognized site as per the instruction of Forest and Environment Ministry reinforced by various judgments of the Apex Court Govt. of India i.e. (A-B)	47701.28
	Design proposed for dumping DS-I to DS-III (Attached)	DS-I and DS-III
	Proposed dumping place design DS-I to DS-III	3 No
	Total capacity of dumping places :	48525.00
		Cum.
	Area in Ha for dumping site	0.627 Hectares


Assistant Engineer,
Bhalei Sub Division
HPPWD Bhalei


Executive Engineer,
Salooni Division,
HP.PWD. Salooni

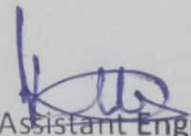

Executive Engineer,
Salooni Division,
HP.PWD. Salooni

ABSTRACT OF QUANTITY

Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

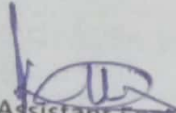
PAGE	TOTAL QUANTITY	PICK WORK	JUMPER WORK	BLASTING WORK
01	4914.45	1747.40	2150.45	1016.61
02	5347.58	1470.63	2306.13	1570.82
03	5639.55	2277.23	2797.91	564.41
04	5377.65	872.18	872.18	3633.30
05	5290.20	1616.67	1616.67	2056.86
06	5703.15	431.85	2743.61	2527.69
07	5308.95	1509.89	2450.76	1348.31
08	6318.92	2639.66	2639.66	1039.59
09	5183.63	2424.65	2424.65	334.34
10	5383.98	1717.31	2590.96	1075.70
11	4977.00	2354.13	2354.13	268.74
12	4095.00	1687.14	1687.14	720.72
13	5682.60	1216.14	1216.14	3250.32
14	4918.20	1919.74	1919.74	1078.73
15	5137.80	2278.26	2278.26	581.28
16	12543.75	4949.25	6049.65	1544.85
17	2511.05	1255.53	1255.53	0.00
TOTAL	94333.45	32367.63	39353.56	22612.25

- i) In ordinary soil = $32367.63 + 39353.56 = 71721.19$ Cum.
 ii) In Blast work = 23114.46 Cum.


 Assistant Engineer
 Bhalei Sub Division
 HPPWD Bhalei

MUCK MANAGEMENT (DUMPING SITES)
DETAIL OF SHOWING THE CAPACITY OF MUCK WILL BE ADJUSTED
Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

S.No	Name of Dunping Place	Forest area under dumping (In Hactares)	X-section area	Length	Quantity
1	Dumping site -I	291x6.25= 1818.75 Sqm. or 0.182 ha	50.15	291.00	14594.00
2	Dumping site -II	324x10.00= 3240.00 Sqm. or 0.324 ha	68.50	324.00	22194.00
3	Dumping site - III	242x5.00= 1210.00 Sqm. or 0.121 ha	48.50	242.00	11737.00
Total					48525.00

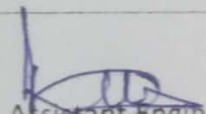

Assistant Engineer,
Bhalei Sub Division
HPPWD Bhalei


Executive Engineer,
Salooni Division
HPPWD Salooni

PURPOSE WISE BREAK UP OF FOREST / NON FOREST AND DUMPING SITE

Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

S.No	Component	Forest area required	Non Forest area required	Total area required
(A) LAND REQUIRED FOR ROAD CONSTRUCTION :-				
1	Road	5085x6=30510.00 Sqm.= 3.05 Hectare	1915x6=5745.00 Sqm.= 0.57 Hectare	7000x6=36255.00 Sqm . = 3.63 Hectare
(B) LAND REQUIRED FOR DUMPING SITES FOR DISPOSAL OF MUCK :-				
2	Dumping site -I	291x6.25= 1818.75 Sqm. or 0.182 ha		6268.75 Sqm= or 0.687 Ha.
	Dumping site -II	324x10.00= 3240.00 Sqm. or 0.324 ha		
	Dumping site -III	242x5.00= 1210.00 Sqm. or 0.121 ha		
	Total (B)	6268.75 Sqm= or 0.687 Ha.		
	G.Total (A+B)	3.677 Hect.	0.57 Hect	4.257 Hect.

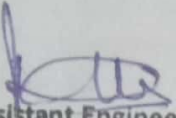

Assistant Engineer,
Bhalei Sub Division
HPPWD Bhalei


Executive Engineer,
Salonni Division
HPPWD Salooni

DETAIL OF FOREST LAND UNDER DUMPING

Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

S.No	Location of dumping	Khasra No.	Status of land
1	Dumping site -I	19/2.	Gair Mumkin
2	Dumping site -II	2/2.	Charagrah Darktan
3	Dumping site -III	244./2	Charagrah Darktan


Assistant Engineer,
Bhalei Sub Division
HP:PWD Bhalei


Executive Engineer,
Salooni Division
HP:PWD Bhalei

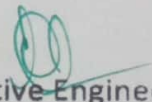
"ABSTRACT OF COST"

Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

(SH:- CONSTRUCTION OF WIRE CRATES)

S.No	Item	Qty	Rate	Unit	Amount
1	Earthwork in excavation for structures as per drawing and technical specifications clauses 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable materials Ordinary soil Upto 3 m depth	579.27	128.15	Per cubic metre	74233.00
2	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	1845.31	1458.40	Per cubic metre	2691204.00
Total					2765437.00


Assistant Engineer,
Bhalei Sub Division
HP:PWD Bhalei


Executive Engineer,
Salooni Division
HPPWD Salooni

DETAIL OF MEASUREMENT

Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

(SH:- CONSTRUCTION OF WIRE CRATES)

S.No	Item	Dumping site	LxBxH	Quantity
1	Earthwork in excavation for structures as per drawing and technical specifications clauses 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable materials Ordinary soil Upto 3 m depth	Dumping site -I	0.45+0.80/2x0.625x291	181.88
		Dumping site -II	0.52+0.85/2x0.685x324	221.94
		Dumping site -III	0.55+0.90/2x0.725x242	175.45
		Total		579.27
2	Providing and laying of boulder apron laid in wire crates with 4 mm dia GI wire conforming to IS:280 and IS:4826 in 100 mm x 100 mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg each as per drawing and technical specifications Clause 1301	Dumping site -I	1/2x2x291x1.25x1.25	454.69
		Dumping site -II	1/2x2x324x1.25x1.25	1012.50
		Dumping site -III	1/2x2x242x1.25x1.25	378.13
		Total		1845.31


Assistant Engineer,
Bhalei Sub Division
HPPWD Bhalei

PROFORMA-V

STATEMENT SHOWING THE DETAILS OF PLACES FOR DISPOSAL OF MUCK / DEBRIS OF ROAD/ CANAL/
RAILWAY LINE TO BE CONSTRUCTED IN CHAMBA DISTRICT OF HP STATE

Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

S.No	Name of dumping place	Location of dumping place i.e. Village & Khasra No.	Slope of dumping place	Length breadth and area of dumping place (Sqm)	Quantity of Muck debris to be dumped (Cum)	Height of dumping expected in mtrs.	Remark
1	2	3	4	5	6	7	8
1	Dumping site -I	19/2.	1:3	291x6.25= 1818.75 Sqm. or 0.182 ha	14594.00	2.50	
2	Dumping site -II	2/2.	1:3	324x10.00= 3240.00 Sqm. or 0.324 ha	22194.00	2.50	
3	Dumping site -III	244./2	1:3	242x5.00= 1210.00 Sqm. or 0.121 ha	11737.00	2.50	

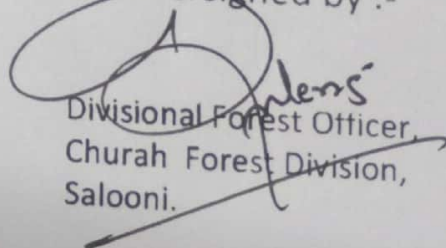
Place : Salooni

Date :


Assistant Engineer,
Bhalei Sub Division,
HP:PWD Bhalei


Executive Engineer.
Salooni Division,
HP:PWD Salooni

Countersigned by :-

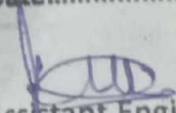

Divisional Forest Officer,
Churah Forest Division,
Salooni.

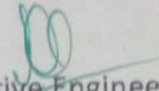
STATEMENT SHOWING THE DETAILS OF PROJECT
Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

Name of the village and forest near by.	Muck debris to be produced total.	Muck debris to be used locally.	Muck debris to be dumped.	Remarks.
12	13	14	15	16
Nadal & Kunda	94333.45 Cum with swell factor 104484.56 Cum.	71551.93 Cum.	47701.28 Cum.	Detail attached at page ____

Place : Salooni

Date.....


 Assistant Engineer,
 Bhalei Sub Division,
 HP:PWD Bhalei


 Executive Engineer.
 Salooni Division,
 HP:PWD Salooni

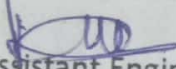
Name of work :- Construction of Link road Nadal to Jutrahan Km. 0/0 to 7/0

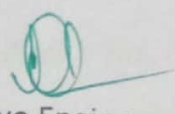
Name of Component	Location of Dumping	Slope of dumping place in degree	Qty. of muck generated (Cu. Mtr)	Qty. of muck with swell factor (Cu. M)	Qty. muck to used (Cu. Mtr)	Qty. of muck disposed (Cu. Mtr.)	Height of dumping expected in mtr
Road	Dumping Site I to III	10°-15°	94333.45	119253.21 Cum	71551.93 Cum.	47701.28 Cum	Av. 2.50 mtr.

Sr. No	Description	Khasra no.	Area in Sqm	Height	Capacity of muck to be dumped (in Cum)
1	Dumping site -I	19/2.	1818.75	2.50	14594.00
2	Dumping site -II	2/2.	3240.00	2.50	22194.00
3	Dumping site -III	244./2	1210.00	2.50	11737.00

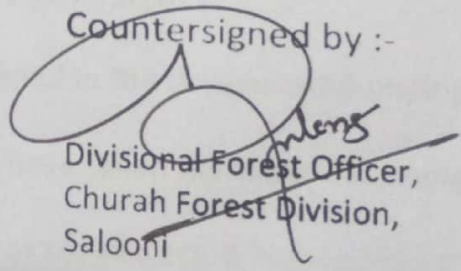
Place : Salooni

Date.....


Assistant Engineer,
Bhalei Sub Division,
HP:PWD Bhalei


Executive Engineer.
Salooni Division,
HP:PWD Salooni

Countersigned by :-


Divisional Forest Officer,
Churah Forest Division,
Salooni

(32)

CHECK LIST NO. 28

Detail Reclamation Plan, whenever required. It should be realistic exhaustive and complete in all respects along with relevant maps in distinct colours. It should also include the details of back fillings, afforestation and execution of such works, whenever required.

RECLAMATION / REHABILITATION PLAN

Diversion of 3.677 hectare of forest land has been proposed for the construction of Nadal to Jutrahan Km. 0/0 to 7/0 in District Chamba. The construction of this road will generate muck to the extent of 94333.45 Cubic Metre. By taking a swell factor of 40% on Pick+Jumper work and 25% on Blast work the total muck become 119253.21 cubic metre (Detail attached at Page____) Out of this 71551.93 cubic metre of muck will be used locally in filling, construction of masonry walls in dumping place and in leveling of road. The remaining 47701.28 Cubic metre of muck will require safe disposal. The user agency has identified 3 No. dumping sites for the disposal of this muck. The dumping site have been identified along the proposed site and the capacity of these dumping sites has been worked out to be 48525.00 cubic metre (Detail attached at Page____) which is sufficient to hold the muck to be generated.

Thus all the muck generated will be dumped in the designated dumping sites. 3 number dumping site designated as Dumping site-I, II & III have been identified for dumping of muck / debris to be produced during the construction phase of the project. It is proposed that the dumping sites are treated in such a manner that these do not pose any problem to the environmental management consideration arising out of the necessity to stabilize the dumping sites at the earliest. Therefore, this reclamation plan has been formulated with the following objectives:-

1. To arrest the dumped muck in-situ so that it does not find its way to the nearby drainage channels, thus altering the drainage pattern of the area.
2. To rehabilitate the dumped area over a period of time so that it merges with the

Adjoining natural landscape and does not stand out as a sore point.

To improve the aesthetics of the dumping grounds/ dumping site by planting suitable Plants and trees species thereby increasing the forest cover in the area.

4. To stabilize the dumping site by vegetative and engineering structures.

Implementation :

The proposal will be implemented by the user agency itself at its own cost as detailed in this plan. The implementation of the plan will be supervised by the forest department from time to time and the progress will be periodically monitored. In case of default the sanction of diverted land may be revoked with suitable penalty as decided by the Govt. of India.

Strategy :

The pronged approach will be followed for reclamation of dumping sites. In the first instance crate wall will be erected around the dumping site so that required capacity for dumping of muck is created at the sites. The detailed drawings of the crate work to be undertaken are enclosed. The primary objective of the crate works will be to arrest the dumped muck at the dumping sites itself and not allow its spillage to adjoining areas and eventually to nearby drainage lines. The capacity of the dumping sites has been calculated as detailed in the table and will be enough to hold the muck required to be dumped in each of the sites.

In the second phase, once the dumping is complete it will be ensured that the dumping site is planted with grasses, bushes, shrubs and tree so that it gives an aesthetic look. This vegetal cover will also help in binding the soil and will prevent its erosion. For vegetating the dumping sites, suitable local species will be preferred. However, it may be noted that bulk of the muck to be dumped will be excavated material which will be lacking in essential nutrients and organic matter. Hence it will be desirable to increase the nutrient status of the top soil to make it conducive to tree/ vegetal growth. For this purpose maturing of top soil shall be done. If required, imported soil shall be brought to replenish the top soil. Instantly grasses and bushes will be planted in the area to improve the soil condition. Once these grasses and bushes take hold of the site, tree species will be planted in next phase. The tree species to be planted will be namely Robinia, Lucinea, albizia, Drek Amla Bamboo, Khair and Shisham. Grasses like Steria and Napier will also be propagated. Trees will be Planted as the closer spacing so that canopy is closed at the earliest. Hence the spacing will be kept at 1.5 mtr. x 1.5 mtr. The total area involved in dumping is 6270 Square metre. Thus in all 690 number plants will be planted at dumping site will be fenced with barbed wire fencing to prevent the entry of stray cattle, thereby ensuring the protection of plants

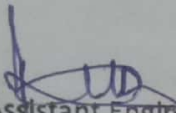
from grazing. Also due to inert nature of soil, plants will need extra care for their establishment. For this purpose, imported soil/ organic manure will be added in each pit for easy establishment of plants. Watering of the plant in dry season will be provided to prevent mortality. The plantation will be further maintained at project cost for next five year beating up of failure will be done.

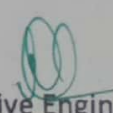
Post reclamation arrangement :

Since the area in question is required by the user agency only for the temporary use of dumping, hence the area will be reverted back to forest department after implementing the reclamation plan, if so stipulated by Govt. of India. However if at the time of so reverting back the areas to forest department if any activities as per this reclamation plan is found wanting then the forest department may realize the cost that activity from the user agency at the prevailing wages rates applicable in forest department and may get the same done departmentally at the project cost.

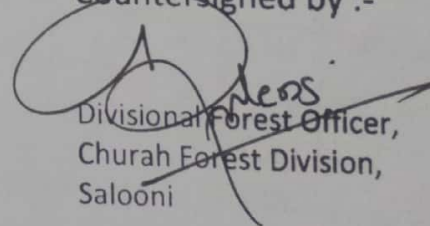
Place : Salooni

Dated :-


Assistant Engineer,
Bhalei Sub Division
HP:PWD Bhalei


Executive Engineer.
Salooni Division,
HP:PWD Salooni

Countersigned by :-


Divisional Forest Officer,
Churah Forest Division,
Salooni

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR DIVERSION

S.No	District	Division	Name of Mohal	Khasra/Survey or compartment Number of Km. stone	Classification as per revenue record	Forest Area proposed for Diversion				Remark
						B	B	B	Hac.	
1	Chamba	Churah	Nadal	19/1	Charagrah Darkthan	4	0	4	0.324	DPF Nadal
2	Chamba	Churah	Nadal	722/176/1	Charagrah Darkthan	4	12	8	0.373	DPF Nadal
3	Chamba	Churah	Nagodi	2/1	Charagrah Darkthan	6	10	0	0.53	DPF Nagodi
4	Chamba	Churah	Nagodi	203/1	Charagrah villa Darkthan	0	14	4	0.06	DPF Nagodi
5	Chamba	Churah	Nagodi	208/1	Charagrah Darkthan	4	4	8	0.34	DPF Nagodi
6	Chamba	Churah	Kunda	3/1	Charagrah Darkthan	3	7	0	0.3	DPF Kunda
7	Chamba	Churah	Kunda	6/1	Charagrah Darkthan	0	8	0	0.032	DPF Kunda
8	Chamba	Churah	Kunda	20/1	Charagrah Darkthan	0	15	16	0.064	DPF Kunda
9	Chamba	Churah	Kunda	248/29/1	Charagrah Darkthan	5	4	12	0.423	DPF Kunda
10	Chamba	Churah	Kunda	244/1	Charagrah Darkthan	0	14	0	0.06	DPF Duri Ban
11	Chamba	Churah	Khall	774/27/1	Charagrah Darkthan	1	9	4	0.12	DPF Duri Ban
12	Chamba	Churah	Khall	32/1	Charagrah Darkthan	0	3	16	0.015	DPF Duri Ban
13	Chamba	Churah	Khall	85/1	Charagrah Darkthan	0	14	0	0.06	DPF Khall
14	Chamba	Churah	Khall	85/2	Charagrah Darkthan	0	3	4	0.013	DPF Khall
15	Chamba	Churah	Khall	149/1	Charagrah Darkthan	0	1	12	0.006	DPF Khall
16	Chamba	Churah	Khall	244/1	Charagrah Darkthan	1	9	8	0.12	DPF Khall
17	Chamba	Churah	Jutrahah	277/1	Charagrah Darkthan	0	12	4	0.05	DPF Jutrahah
18	Chamba	Churah	Jutrahah	283/1	Charagrah Darkthan	0	10	16	0.044	DPF Jutrahah
19	Chamba	Churah	Jutrahah	292/1	Charagrah Darkthan	1	7	8	0.111	DPF Jutrahah
20	Chamba	Churah	Jutrahah	293/1	Gair mumkin Gohar	0	0	10	0.002	DPF Jutrahah
Total:-									3.05 Hact.	

Place: Salooni

Date:

Assistant Engineer,
Bhalei Sub Division,
HP.PWD Bhalei

Executive Engineer,
Salooni Division,
HP.PWD Salooni.

Divisional Forest Officer,
Churah Forest Division,
Salooni Distt. Chamba (HP).

No. 01688420

Registration No. 30/22 Dt 31-3-2023

Himachal Government Judicial Paper

हिब्वानामा पक्ष, हि.प्र. सरकार

किता :-2

महेश्वर सिंह, जगदीश कुमार, राजकुमार, हिब्वकर्ता नम्बर-01,
02,03,04, जगदीश कुमार, हिब्वकर्ता नम्बर 05 कुलदीप कुमार हिब्वकर्ता नम्बर 06 पुत्र
जिसन, पुत्र मेखण निवासी गाँव जुतरहान परगना व उप-तहसील भलेई, जिला चम्बा
हिब्व व उम्र 53, 57, 35, 49, 40 साल हैं

जो कि बाक्या मुहाल खल उप-तहसील भलेई के खाता/खतौनी नंबर 30/34 किता 14
रकवा तादादी 58-13 -00 के हिब्वकर्ता नम्बर -01, 02, 03, 04, सब 15 64 /23 46
भाग, समान भाग, रकवा तादादी 39 -02 -00 हिब्वकर्ता नम्बर 05, 389/23 46
भाग, रकवा तादादी 09 -14 -10 व हिब्वकर्ता नम्बर 06, 383/23 46 भाग, रकवा तादादी
09 -11 -10 जुमला तादादी 58 -08 -00 के, मालिक, कामिल, व का विज है। नकल जमावंदी
बाबत साल 2015 -2016 भी साथ संगलन है।

चूँकि सरकार हि.प्र. मकबूजा महकमा लोक निर्माण विभाग उप-मण्डल भलेई
को सड़क निर्माण हेतु भूमि मतलूब है। अतः एब वाहिवान उक्त ने, आज रोज अपने होश -
हवाश व दुरुस्ती अकल के, बिला किसी दवाव के, अपनी रजामंदी व खुशी से, अपने उक्त खाता मे
से, हिब्वकर्ता नम्बर 01 ता 06 तक ने अपना 18/11 73 भाग, समान भाग, रकवा तादादी
00-18-00 -बरुये रजिस्ट्री हिब्वानामा के वहक सरकार हि.प्र. मैहकमा मकबूजा महकमा लोक
निर्माण विभाग उप-मण्डल भलेई को, हिब्व करके, कब्जा, व हक-हकूक, जो भी हमे हासिल
थे, आज दिन से दे दिए हैं। रकवा हिब्व शुदा पर आज के, बाद सरकार हि.प्र. मकबूजा
महकमा लोक निर्माण विभाग उप-मण्डल भलेई मालिक, व काविज हो गई है। अब आज के
बाद, रकवा हिब्व शुद्धा उक्त पर ना ही हमारा, व न हमारे किसी दीगरान हक-बारसान का
कोई भी हक-ताल्लुक व बास्ता न रहा है। रकवा हिब्व शुद्धा उक्त, भारमुक्त है। अतः अब
हिब्व किया गया।

(P.T.O.)

उप-मण्डल अधिकारी
चम्बा जिला चम्बा (हि.प्र. 100)

CD No 402 Date 01.02.23

बन्-प्रमाणित नहीं गम निका

कोर्ट

10 भारबीद
महकमा मालिकान क अ-मकम

काबालय कानूनगी
उप तहसील भलेई जिला चम्बा

0168421

Himachal Government Judicial Paper

अतः वसीका हिब्बनामा, हज्रा रूबरू गवाहान के, पढ़, सुन, व समझकर लिखवा दिया, ताकि प्रमाण रहे।

मिति :-

26/3/22

हस्ताक्षर बाहिव उक्त,

[Signature]

[Signature]

[Signature]

[Signature]

हस्ताक्षर म हो बलया उक्त,

(+)

साक्षी -1

साक्षी -2

[Signature]

कंठराम पुत्र परसराम
गाँव टपर

चरणदास पुत्र बाबूचन्द

गाँव भेड़ताह

परगना क

परगना क

उप-तहसील भयैई

उप-तहसील भयैई

जिला चंबा (हि.प्र.)

जिला चंबा (हि.प्र.)

पहचानकर्ता :-

अन्तरदार
पदवार सकेत पुष्पा
डप तहसील भयैई
जिला चंबा (हि.प्र.)

साक्षी 3 पुष्पा रम

कंठराम पुत्र परसराम
चरणदास पुत्र बाबूचन्द

परगना क
उप-तहसील
भयैई

जिला चंबा

[Signature]

CD No 402 dated 01.02.23

[Signature]

उप-तहसील भयैई

नयु-अमागित सही गति ।

सोपि
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[Signature]



हिमाचल प्रदेश HIMACHAL PRADESH

16AA 847932

बन्धु-प्रमाण पत्र (दि. ००)

बन्धु-प्रमाण

बन्धु-प्रमाण पत्र

[Signature]

01/02/2024

बन्धु-प्रमाण पत्र

बन्धु-प्रमाण पत्र

बन्धु-प्रमाण पत्र

67 2017/23
Sl No Date
Kamlesh Kumar Stamp Vendor
Sub Teh Bhalai Distt
Chamba (H.P.)

Sahil Thakur
(J-E) H.P. Dev. D.
Sub Distt Bhalai
Distt Bhalai
Copy.

STAMP VENDOR
Sub Tehsil Bhalai
Distt Chamba (H.P.)

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Himachal Government Judicial Paper

हस्ताक्षर म हो बलया उक्त,

मिति: 26/3/22

(2) *[Signature]*

(40)

साक्षी -1

साक्षी -2

[Signature]
वरणदास पुत्र बाबूचन्द
गाँव भीड़ाह

परगना कडप-
उप-तहसील मलेई
जिला चंबा (हि, प्र.)

पहचानकर्ता :-

[Signature]
बेमलाल पुत्र विमनू राम

गाँव उत्तराष्ट्र
परगना कडप-
उप-तहसील मलेई
जिला चंबा (हि, प्र.)

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[Signature]
नमो नमो
नमो नमो (हि. प्र.)

CD No. 403 Date 01.02.23

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TEN
RUPEES

Rs. 10

INDIA NON JUDICIAL

हिमाचल प्रदेश HIMACHAL PRADESH

16AA 847931

उप-मजिस्ट्रेट
लेट्टे डिप्टी कमिशनर (लि. नं. ०)

सह-मजिस्ट्रेट के प्रति निवेदन

19/11/2019
न्यायिक कानूनगो
19 तहसील भलेई जिला हरियाणा

68

23/1/23

Sub Tehsil Bhale
Chamba (H.P.)

Suble Thakur J.E.

H.B. P.W. D. B. Sub
Bheer

with Ans. No.

Handwritten
Copy

STAMP VENDOR
Sub Tehsil Bhale
Chamba (H.P.)

Undertaking For Soil and Moisture Conservation Plan

I/We Executive Engineer, Salooni Division, HPPWD Salooni hereby, undertake to pay the entire amount for Soil and Moisture Conservation Plan and deposited into the account of CAMPA in lieu of forest area diverted as per the MoEF& CC directed. construction of link road from village Nadal to Jutrahan km 0/0 to 7/00



Executive Engineer,
Salooni Division
HP.PWD., Salooni