

Name of Work: - Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.

Part –II
(To be filled by the concerned deputy conservator of Forest)

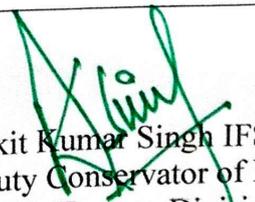
State Serial No. of Proposal.....

SL. No. 1	Scheme/Location of the project.	The forest land is required for diversion of 02-43-03 hectare of forest land for construction of the road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah, Tehsil Chopal, District Shimla HP.
(i)	District	Shimla
(ii)	Forest Division	Chopal.
(iii)	Area of forest land proposed for (diversion in hectare with also includes muck dumping	02-43-03 hectare.
(iv)	Forest area for cattle crossing, bus stop and passing places.	00-00-00 hectare.
(v)	Legal Status of forest	DPF Bamta, DPF Shangroli, UPF Mamuvi and UPF Shangroli
(vi)	Density of vegetation	0.095 (Open Forest)
(vii)	Species-wise (scientific names) class and diameter-wise enumeration of trees.	Detailed enumeration list is enclosed.
2.	Brief vulnerability of the forest area to erosion.	The area is not seriously eroded or is not much vulnerable to erosion.
3.	Approximate distance of proposed site for diversion from boundary of forest.	900 Metres DPF Arau
4.	Whether from part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, etc (if so detail of the area and comments of the Chief Wild life Warden to be annexed)	No
5.	Whether any are / endangered / unique species of flora and fauna found in the area? If so, details thereof.	No
6.	Whether any protected archaeological /heritage site /defence establishment or any other important monument is located in the area? If so, the detail thereof with NOC from competent authority, if required.	No
7.	Whether the required of forest land as proposed by the user agency in col. 2 of part – I is unavoidable and barest minimum for the project? If no, recommended area item –wise with detail of alternatives examined.	Yes
8.	Whether any work in violation of the Act, has been carried out? If yes, detail of the same including period of work done, action taken on erring officials. Whether work in violation	No

	is still in progress?	
10.	Detail of compensatory afforestation scheme:	
(i).	Details of non-forest area / degraded forest area identified for compensatory afforestation its distance from adjoining forest number of patches size of each patch.	4.8600 hectare area degraded forest area identified for compensatory afforestation .The detailed CA scheme is attached.
(ii)	Map showing non forest /degraded forest area identified for compensatory afforestation and adjoining Forest boundaries	Attached.
(iii).	Detail compensatory afforestation scheme including species to be planted implementing Agency time scheduled cost structure etc.	Attached.
(iv)	Total financial outlay for compensatory afforestation scheme.	Attached at for Rs. 16, 10,688/- only.
(v)	Certificate from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view (to be signed by the concerned deputy conservator of forest)	Attached.
11	Site inspection report of the DCF (to be enclosed especially highlighting facts asked in Col.7 (ix-xii) 8&9 above	Attached.
12	Division District profile.	
	(i)Geo graphical area of the division	83000 hectare
	(ii) Forest area of the division	72100 hectare
	(iii) Total forest area diverted sine 1980 with number of cases in Chopal Forest Division as on 28.02.2023.	198.1399 hectare, 64 Cases.
	(iv)Total compensatory afforestation stipulated in the district /division since 1980 as on 28.02.2023.	396.2798 hectare
	a)Forest land including penal compensatory afforestation	396.2798 +62=458.2798 hectare.
13	(v) Progress of compensatory afforestation as on dated 28.02.2023. a) Forest land b) Non forest land	425 hectare. No
13	Specific recommendation of the DCF for acceptance or otherwise of the proposal with reason.	The proposal recommended for approval please.

Palace

Dated / /2023


(Ankit Kumar Singh IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

Name of Work:- C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355.

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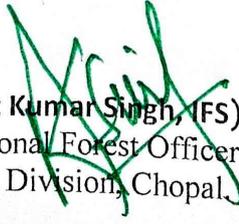
Statement showing over all forest land area proposed for diversion.

Sl. No.	District	Division	Range/ Tehsil/ Village	Khasra/ Survey or Compartment Number or km.stone.	Forest Area involved in the proposal (Hac)	Present land use as per revenue record.	Remarks.
1	2	3	4	5	6	7	8
1	Shimla	Chopal	Bamta, DPF Bamta, Shangroli, DPF Shangroli, Mamvi	As per detail attached.	02-43-03 hectare.	Charagah billa darkhtan, DFP	The project road constructed under violation is 1125 metre and additional construction of 2600 metres is required in forest land for construction of total 5355 metre road including non forest land.


Assistant Engineer,
Shallu Sub Division,
HPPWD Nerwa,


(Er. Rakesh Thakur)
Executive Engineer,
Chopal Divn.HPPWD Chopal

Countersigned by :-


(Ankit Kumar Singh, IFS)
Divisional Forest Officer,
Forest Division, Chopal.

STATEMENT SHOWING THE DETAIL OF FOREST AREA PROPOSED FOR DIVERSION.

Block :
 Name of road :
 Chopal
 C/o Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355.

Sl. No.	Chainage (km.)	Mauza or Revenue village.	Khata No.	Whole area khasra No.	Total land area (Hect.)	Owner of land.	Khasra No. of required area.	Land required for road construction.		Class of land as per revenue record.	Class of land as per forest record.	Remarks.
								Sqm.	Hec.			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	1/125 to 1/215	Bamta	116/233	412	03-39-14	Govt.	412/1	697	00-06-97	Charagah bilia darkhtan		
2	1/215 to 1/620	DPF Bamta	1/1	6	44-51-04	Govt.	6/1	2566	00-25-66	DPF		
3	1/620 to 2/175	DPF Bamta	1/1	4	28-61-72	Govt.	4/1	3141	00-31-41	DPF		
4	2/175 to 2/280	DPF Bamta	1/1	5	37-74-82	Govt.	5/1	730	00-07-30	DPF		
5	2/280 to 2/445	Shangroli	30/72	213	03-09-05	Govt.	213/2	296	00-02-96	Charagah bilia darkhtan		
		Shangroli	30/72	213	03-09-05	Govt.	213/1	1195	00-11-95	Charagah bilia darkhtan		
6	2/445 to 2/625	Shangroli	30/72	207	00-64-98	Govt.	207/1	852	00-08-52	Charagah bilia darkhtan		
7	2/625 to 2/715	Shangroli	30/72	220	00-05-18	Govt.	220/1	518	00-05-18	Charagah bilia darkhtan		
8	2/715 to 2/745	Shangroli	30/72	219	00-02-24	Govt.	219/1	224	00-02-24	Charagah bilia darkhtan		
9	3/450 to 3/780	DPF Shangroli	3/3	6	85-39-52	Govt.	6/1	2259	00-22-59	DPF		
10	3/780 to 4/050	DPF Shangroli	3/3	5	43-50-12	Govt.	5/1	1777	00-17-77	DPF		
		Shangroli					5/2	546	00-05-46	DPF		
11	4/050 to 4/095	Mamuvi	45/51	349	01-68-91	Govt.	349/1	143	00-01-43	Charagah bilia darkhtan		
12	4/095 to 4/110	Mamuvi	45/51	297	00-14-53	Govt.	297/1	88	00-00-88	Charagah bilia darkhtan		
13	4/110 to 4/140	Mamuvi	45/51	296	00-11-75	Govt.	296/1	282	00-02-82	Charagah bilia darkhtan		
14	4/140 to 4/215	Mamuvi	45/51	294	00-18-95	Govt.	294/1	480	00-04-80	Charagah bilia darkhtan		
15	4/215 to 4/230	Mamuvi	45/51	296	00-11-75	Govt.	296/2	220	00-02-20	Charagah bilia darkhtan		
16	4/230 to 4/275	Mamuvi	45/51	292	00-30-49	Govt.	292/2	99	00-00-99	Charagah bilia darkhtan		

17	4/275 to 4/290	Mamuvi	45/51	196	00-09-06	Govt.	196/1	456	00-04-56	Charagah billa darkhtan
18	4/410 to 4/425	Mamuvi	45/51	304	00-01-89	Govt.	304/1	68	00-00-68	Charagah billa darkhtan
19	4/425 to 4/440	Mamuvi	45/51	191	00-03-37	Govt.	191/1	70	00-00-70	Charagah billa darkhtan
20	4/440 to 4/470	Mamuvi	45/51	190	00-05-30	Govt.	190/1	255	00-02-55	Charagah billa darkhtan
21	4/470 to 4/480	Mamuvi	45/51	309	00-00-88	Govt.	309/1	53	00-00-53	Charagah billa darkhtan
22	4/480 to 4/485	Mamuvi	45/51	399	00-02-40	Govt.	399/1	25	00-00-25	Charagah billa darkhtan
23	4/485 to 4/515	Mamuvi	45/51	385	00-13-21	Govt.	385/1	53	00-00-53	Charagah billa darkhtan
24	4/555 to 4/605	Mamuvi	45/51	431	00-03-69	Govt.	431/1	240	00-02-40	Charagah billa darkhtan
25	4/695 to 4/785	Mamuvi	45/51	243	00-39-93	Govt.	243/1	294	00-02-94	Charagah billa darkhtan
26	4/785 to 4/830	Mamuvi	45/51	243/1	00-09-02	Govt.	243/1/1	80	00-00-80	Charagah billa darkhtan
27	4/830 to 4/920	Mamuvi	45/51	244	00-76-89	Govt.	244/1	820	00-08-20	Charagah billa darkhtan
28	4/995 to 5/010	Mamuvi	45/51	277	00-03-52	Govt.	277/1	84	00-00-84	Charagah billa darkhtan
29	5/010 to 5/040	Mamuvi	45/51	292	00-30-49	Govt.	292/1	72	00-00-72	Charagah billa darkhtan
Total area of forest land used for construction of road.								18683	01-86-83	hectare

Dumping Places.

1.	Type - D1 0/570 to 0/605	Barnta	116/233	904	00-16-57	Govt.	904/1	1120	00-11-20	Charagah billa darkhtan
2	Type - D2 2/190 to 2/280	DPF Barnta	1/1	5	37-74-82	Govt.	5/2	2700	00-27-00	DPF
3	Type - D3 3/780 to 3/830	DPF Shangroji	3/3	5	43-50-12	Govt.	5/3	1800	00-18-00	DPF
Total area of forest land required for dumping places (B)								5620	00-56-20	Sqm.
Overall area of forest & non forest land i.e. (A)+(B) required for construction of road.								24303	02-43-03	hectare.

Deputy Commissioner of Forests
Chopal Forest Division

A/E

(E. Rajesh Thakur)
Executive Engineer,
Chopal Division,
HPPWD, Chopal.

GENERAL ABSTRACT OF TREES COMING IN THE Construction of road from Bamta Kainchi to Mamvi Pujarli (Shangroli) via Jagraha Km. 0/0 to 5/355.

Sr. No.	species	No. of trees.						Total
		Local Name	Girth (0-30)	Girth (31-60)	Girth (61-90)	Girth (91-120)	Girth (>150)	
1.	Cedrus deodara	Deodar	3	5	2	0	0	10
	Pinus wallichiana	Kail	16	25	1	0	0	42
	Total	Total	19	30	3	0	0	52

(Ankit Kumar Singh, IFS)
 Deputy Conservator of Forests,
 Chopal Forest Division, Chopal

Enumeration List of construction of road from Bamta Kainchi to Mamvi KM 0/0 to 5/355 :-

Sr. No.	RD	Name of Forest	Species	Diameter	Class
1.	0/885 - 0/900	Bamta UPF	Kail	31/32	III
2.	1/045 - 1/060	Do	Kail	44/45	II A
3.	1/120 - 1/135	Do	Kail	52/53	II B
4.	1/150 - 1/165	Do	Kail	53/54	II B
5.	1/180 - 1/195	Do	Kail	52/53	II B
6.	1/195 - 1/210	Do	Kail	57/58	II B
7.	1/210 - 1/225	Do	Deodar	45/46	II A
8.	1/240 - 1/255	Do	Kail	42/43	II A
9.	1/255 - 1/270	Do	Kail	43/44	II A
10.	1/375 - 1/390	Do	Kail	49/50	II A
11.	1/390 - 1/405	Do	Kail	47/48	II A
12.	1/465 - 1/480	Do	Kail	55/56	II B
13.	1/480 - 1/495	Do	Kail	59/60	II B
14.	1/510 - 1/525	Do	Kail	61/62	I A
15.	1/525 - 1/540	Do	Deodar	28/29	IV
16.	1/555 - 1/570	Do	Kail	47/48	II A
17.	1/615 - 1/630	Do	Kail	55/56	II B
18.	1/630 - 1/645	Do	Kail	58/59	II B
19.	1/645 - 1/660	Do	Kail	37/38	III
20.	Do	Do	Kail	36/37	III
21.	1/705 - 1/720	Do	Kail	42/43	II A
22.	1/735 - 1/750	Do	Kail	21/22	IV
23.	Do	Do	Kail	32/33	III
24.	1/750 - 1/765	Do	Kail	31/32	III
25.	Do	Do	Kail	42/43	II A
26.	1/825 - 1/840	Do	Deodar	56/57	II B
27.	Do	Do	Kail	35/36	III
28.	2/030 - 2/045	Shangroli UPF	Deodar	77/78	I B
29.	Do	Do	Kail	26/27	IV
30.	2/090 - 2/105	Do	Kail	54/55	II B
31.	2/510 - 2/525	Shangroli DPF	Deodar	24/25	IV
32.	2/525 - 2/540	Do	Deodar	22/23	IV
33.	Do	Do	Deodar	59/60	II B
34.	2/540 - 2/555	Do	Deodar	64/65	I A

35.	2/555 - 2/570	Do	Kail	38/39	III
36.	2/660 - 2/675	Do	Kail	28/29	IV
37.	2/720 - 2/735	Do	Deodar	45/46	II A
38.	2/750 - 2/765	Do	Deodar	55/56	II B
39.	2/915 - 2/930	Do	Kail	25/26	IV
40.	Do	Do	Kail	23/24	IV
41.	Do	Do	Kail	24/25	IV
42.	4/735 - 4/750	Do	Kail	26/27	IV
43.	Do	Do	Kail	15/16	V
44.	Do	Do	Kail	17/18	V
45.	4/750 - 4/765	Do	Kail	15/16	V
46.	Do	Do	Kail	17/18	V
47.	Do	Do	Kail	26/27	IV
48.	4/810 - 4/825	Do	Kail	27/28	IV
49.	Do	Do	Kail	26/27	IV
50.	Do	Do	Kail	27/28	IV
51.	4/825 - 4/840	Do	Kail	17/18	V
52.	Do	Do	Kail	32/33	III

Ans
 Beat Guard
 Chauhta Beat
 Bamta Beat

Ans
 Block Officer
 Bamta Block

Ans
 Range Forest Officer
 Bamta Forest Range

Name of work: - Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.

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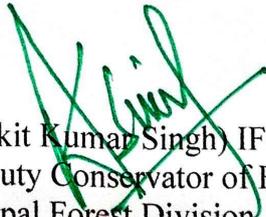
**Site inspection report not below the rank of DCF
(For the Forest Land to be diverted under FCA)**

A proposal has been received by this office from Executive Engineer HPPWD Division Chopal for diversion (under FCA, 1980) of **02-43-03** hectare of Forest Land for non-forest purpose. The project in envisages the use of forest land for **road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah** Tehsil Chopal District Shimla HP. The site inspection of the land involved in proposal has been done by me on dated **22/02/2023**.

1. On inspection of the site, it is found that the land required by the user agency is a forest area **02-43-03** hectare.
 2. The requirement of forest land as proposed by the user agency in col. 2 of part -1 is unavoidable and is barest minimum required for the project.
 3. Whether any rare/endangered/unique species of flora and fauna found in the area. **No.**
 4. Any projected archaeological/heritage site/defense establishment or any other important monument is not located in the area proposed for diversion. **No.**
- (a) The user agency has not violated the provisions of Forest (Conservation) Act, 1980 and no work has been started without proper sanction. **X**
- (b) It has been found that the user agency has violated the provision of the Forest (Conservation) Act, 1980 Indian Forest Act, 1927/ any other Forest Act. A detailed report as per para 1.9 of chapter 1, part C of handbook of Forest (Conservation) Act, 1980 is attached. **√**

Specific recommendation for acceptance or otherwise of the proposal:-

The proposal for diversion of Forest Land measuring **02-43-03** hectare for construction approval project may be accepted and approval please.


(Ankit Kumar Singh) IFS,
Deputy Conservator of Forests
Chopal Forest Division, Chopal

Name of Work: - Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.

CHECK LIST SERIAL NUMBER: - 16.

Location Map

Location Map of Non-Forest /degraded forest Area identified for Compensatory Afforestation in lieu of proposal for diversion of **02-43-03** ha. of forest land in DPF Bamta, DPF Shangroli, UPF Mamuvi and UPF Shangroli in Tehsil Chopal District Shimla, Forest Division Chopal Forest Range Bamta.



(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

TOPO SHEET

CA Site DPF Mamuvi (4.86 ha.) C/o Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah KM 0/000 to 5/355

77.596102

77.614584

77.633066

77.651548

77.670030

31.096992

31.074138

31.051284

31.028430

31.005576

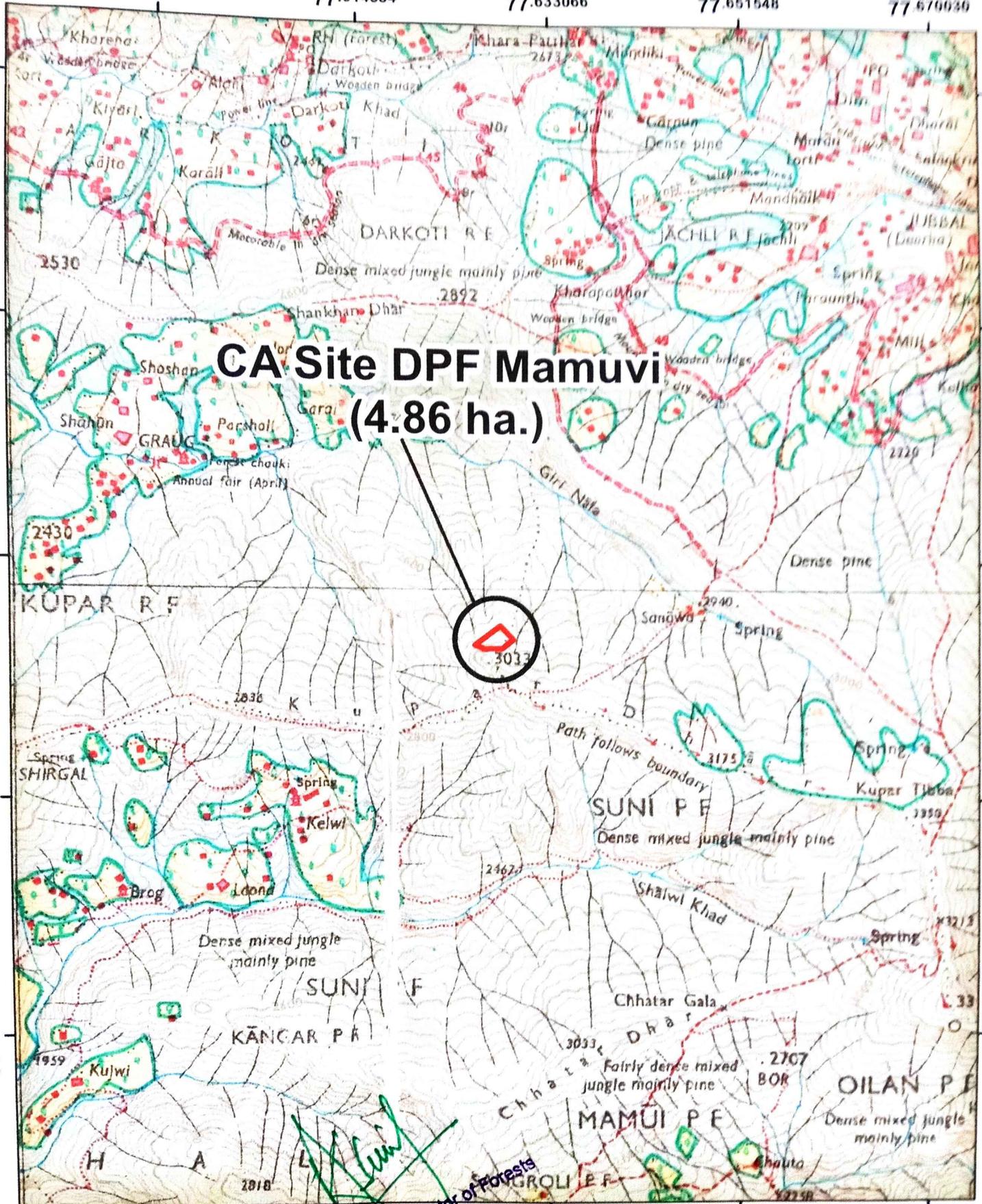
31.096992

31.074138

31.051284

31.028430

31.005576



77.596102

77.614584

77.633066

77.651548

77.670030

Index

CA Site

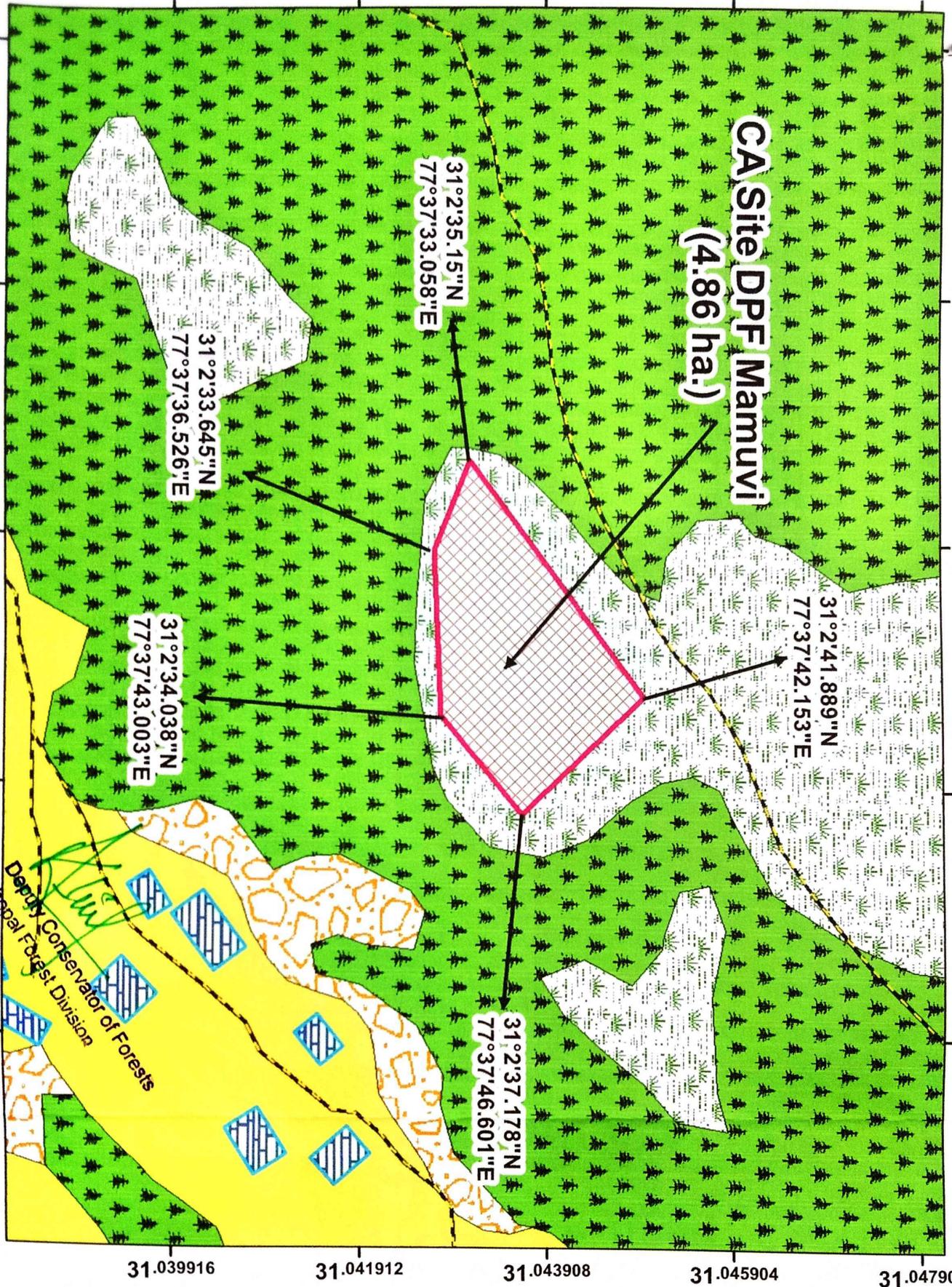
Deputy Conservator of Forests
Chopal Forest Division

Scale- 1:50000
Topo Sheet- 53E12

DIGITAL LAND USE MAP

CA Site DPF Mamuvi (4.86 ha.) C/o Bamta Kainchi to Mamuvi
 Pujarli (Shangroli) via Jagrah KM 0/000 to 5/355

77.621432 77.624071 77.626710 77.629349 77.631988
 77.621432 77.624071 77.626710 77.629349 77.631988



CA Site DPF Mamuvi
(4.86 ha.)

31°2'35.15"N 77°37'33.058"E
 31°2'33.645"N 77°37'36.526"E
 31°2'34.038"N 77°37'43.003"E
 31°2'41.889"N 77°37'42.153"E
 31°2'37.178"N 77°37'46.601"E

31.039916 31.041912 31.043908 31.045904 31.047900



Legend

-  Existing Road
-  CA Site
-  Builtup
-  Private Land
-  Open Land
-  Shrub
-  Forest Land

CHECK LIST SERIAL NO:- 17

Bill for compensatory afforestation scheme over 02-43-03 ha of Forest land for construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355, within the jurisdiction of Chopal Forest Division District Shimla HP.

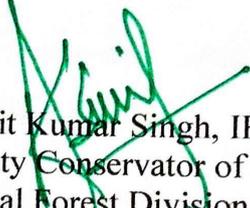
Area proposed for Muck Dumping in ha.								4.8600 Hectare			
Name of the proposal planting area								DPF Mamuvi			
Plants to be planted per ha.								1100			
Total No. of plants to be planted								12296			
Rate per plant								28/-			
Species to be planted								Deodar, Chil, Ban & other B/L			
Particulars of works	Area in Ha.	Unfit cost at wages structure per ha. for 2022-23 including	Total Amount Col 2x3	No. of plants planted 1 ha.	Total No. of plants planted (2X5)	Total amount of plants @ 28 of each plant	Total amount (Unfit cost+Plant Cost (4+7)	Year of execution of works	Cost exaction	Amount of cost escalation.	Total amount (Col. 4+7)
1	2	3	4	5	6	7	8	9	10	11	12
Initial cost CA over an area of CA	4.8600	89800	436428	1100	5346	149688	586116	2023-24	10%	58612	644728
1st year Maintenance	4.8600	10600	51516	330	1604	44906	96422.4	2024-25	20%	19284	115707
2nd year Maintenance	4.8600	7100	34506	220	1069	29938	64443.6	2025-26	30%	19333	83777
3rd year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2026-27	40%	13180	46131
4th year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2027-28	50%	16475	49426
5th year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2028-29	60%	19770	52721
6th year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2029-30	70%	23066	56016
7th year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2030-31	80%	26361	59311
8th year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2031-32	90%	29656	62607
9th year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2032-33	100%	32951	65902
10th year Maintenance	4.8600	3700	17982	110	535	14969	32950.8	2033-34	110%	36246	69197
			Total		12296						1305522
						Contingencies charges @ 5%					65276
						Total					1370798
						Departmental Charges 17.50%					239890
						G. Total					1610688


 (Ankit Kumar Singh IFS)
 Deputy Conservator of Forests,
 Chopal Forest Division Chopal

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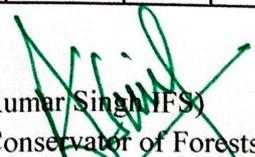
“ Land Suitability Certificate that **4.8600** hectare land bearing survey Sheet No. 53/F 12 DPF Mamuvi near the village Mamuvi in Tehsil Chopal District Shimla HP identified for compensatory is suitable for plantation from management point of view and is free from all sorts of encumbrances and encumbrances and encroachment.


(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

CHECK LIST SERIAL NO:-32

Bill for dumping scheme over 0.5620 hectare of forest land in lieu of diversion of 02-4303 ha for the construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355, within the jurisdiction of Chopal forest division District Shimla HP.

Area proposed for Muck Dumping in ha.		0.5620 Hectare									
Plants to be planted per ha.		1100									
Total No. of plants to be planted		1422									
Rate per plant		28/-									
Species to be planted		Deodar, Chil, Ban & other B/L									
Particulars of works	Area in Ha.	Unfit cost at wages structure per ha. for 2022-23 including plants cost	Total Amount Col 2x3	No. of plants planted 1 ha.	Total No. of plants planted (2X5)	Total amount of plants @ 28 of each plant	Total amount (Unfit cost+Plant Cost (4+7)	Year of execution of works	Cost exaction	Amount of cost escalation.	Total amount (Col. 4+7)
1	2	3	4	5	6	7	8	9	10	11	12
Initial cost CA over an area of CA	0.5620	89800	50467.6	1100	618	17310	67777.2	2023-24	10%	6778	74555
1St year Maintenance	0.5620	10600	5957.2	330	185	5193	11150.1	2024-25	20%	2230	13380
2nd year Maintenance	0.5620	7100	3990.2	220	124	3462	7452.12	2025-26	30%	2236	9688
3rd year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2026-27	40%	1524	5335
4th year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2027-28	50%	1905	5716
5th year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2028-29	60%	2286	6097
6th year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2029-30	70%	2667	6478
7th year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2030-31	80%	3048	6859
8th year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2031-32	90%	3429	7240
9th year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2032-33	100%	3810	7621
10th year Maintenance	0.5620	3700	2079.4	110	62	1731	3810.36	2033-34	110%	4191	8002
			Total		1422						150968
							Contingencies charges @ 5%				7548
						Total					158516
							Departmental Charges 17.50%				27740
							G. Total				186257


 (Ankit Kumar Singh IFS)
 Deputy Conservator of Forests,
 Chopal Forest Division Chopal

Name of Work: - Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.

CALCULATIONS OF THE NET PRESENT VALUE (NPV) OF THE FOREST LAND BEING DIVERTED

In consonance to the order dated 28/03/2008 of Hon'ble Supreme Court of India in writ petition (Civil) number 202 of 1995, the Net Present Value of the forest being diverted is calculated as under:-

The Ecological Class VI includes the forest type found in the forest diverted. The average density of the forest is 0.095 i.e. open forests.

The Hon'ble Supreme Court has fixed NPV of Rs.10,69,470/- per hectare for class VI eco-value, open forest hence the total value works out to be Rs.25,99,133/- for 02-43-03 hac of forest land being diverted.

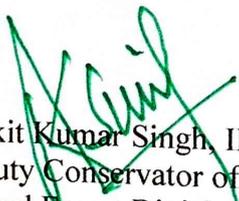

(Ankit Kumar Singh, IFS)
Divisional Forest Officer,
Chopal Forest Division, Chopal

Name of Work: - Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.

BILL FOR NPV

Calculation of Net Present Value (NPV) of the forest land to be diverted under FCA.

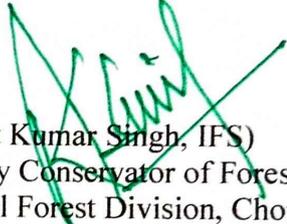
1. Area being diverted.	: -	02-43-03 hac.
2. Total trees in the diverted land.	: -	52
3. Trees below class- III	: -	27
4. Trees above and class- III.	: -	25
5. Conservation of trees below class-III trees into above class trees by taking 2 trees of up to class- III as one trees of higher class.	: -	-
6. No of trees in nil.	: -	-
7. If 400 trees above class- III per hectare then density.	: -	100%
8. Rate applicable for forest having density less than 10%.	: -	Rs. 10,69,470/-
9. Rate applicable for forest having density less than 10% of dense Forest Eco- Class VI	: -	Rs. 10,69,470/-
10. For 02-43-03 hectare NPV Chargeable.	: -	Rs. 25,99,132.941/-
11. Total amount.	: -	Rs. 25,99,133/-


(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

BILL FOR N.P.V

Calculation of Net Present Value of forest land to be diverted under FCA for the construction of **road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.**

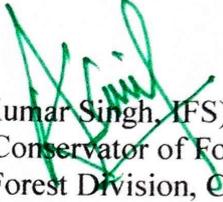
1. Area being diverted.	:-	02-43-03 hac.
2. Density.	:-	0.095 (Open forest)
3. Rate applicable for forest having density.	:-	02-43-03 X 10,69,470= 25,99,133/-
4. For one hectare NPV Chargeable.	:-	10,69,470/-


(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

COST OF TREES

Enumeration list of trees cutting in the Construction of **Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.**

Sl. No.	Species name.	Total volume	Rate per cum.	Amount
1.	Deodar (Cedrus Deodara)	22.375	84683/-	1894782
2.	Kail (Pinus wallichiana)	53.868	61669/-	3321986
			Total	52,16,768/-

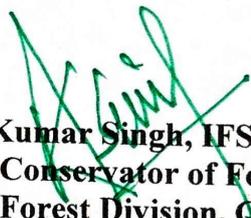

(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

Name of Work:- Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.

BILL FOR SMCP

Calculation the bill of since the proposed site is prone to soil erosion and land sliding as mentioned in Geologist Report, therefore as per the recent directions of MoEF & CC vide letter dated 07.06.2022, Soil and Moisture Conservation Plan of the forest land to be diverted under FCA for Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah, Tehsil Chopal District Shimla HP.

1.	Area being diverted	02.4303 Ha.
2.	Cost of Project estimated for construction of this project will be approximately as per Part-I.	10000000/-
3.	Cost of Project implementation of Soil erosion and sliding amount SMCP 0.5% OF Project cost.	$10000000 \times 0.5 \% = 50000/-$
4.	Total amount.	50000/-

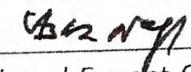

(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

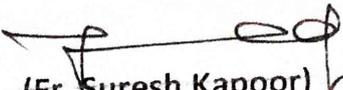
Inspection of construction of Bamta kainchi to Mamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355 as per GoHP notification No. FFE-B-F(3)-31/2012 dated 24.10.2013, Hon'ble High Court of Himachal Pradesh judgment dated 05.09.2013 in CWP No. 5600/2012 titled as Sh. Manoj Kumar, S/o Sh. Shiv Charan Vs UOI and others linked the COPC No. 56/2009.

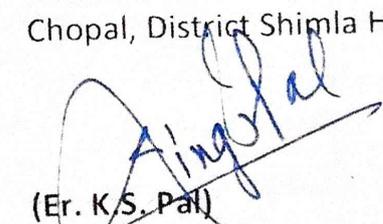
1. Date of inspection	12.02.2020
2. Name of the Circle/District/Division/ Tehsil/Range.	Shimla Circle, Chopal Forest Division, Nerwa Range.
3. Name of the road including kilometers from-to.	C/o Bamta kainchitoMamuvi Pujarli (Shangroli) via Jagrah km. 0/0 to 5/355.
4. Total length of the road passing through the forest area and private area.	Forest land : 3725.00 metre Private land : 1630.00 metre <i>Total : 5355.00 metre</i>
5. Length of the road for which forest land has already been broken/ already constructed.	1125.00 metre <i>3725.00</i>
6. Length of the road and extent (in hectare) passing through forests.	2600.00 metre (01-86-83 hectare <i>* 00-56-20 ha. dumping</i>)
7. Date of starting the work	2007-2008
8. Name of organization which constructed the road.	H.P.P.W.D.
9. For completing the work, whether there is need to use additional forest area or alignment can be changed without further use of forest land.	Yes
10.If not, total length of the road and forest area required for completing the work (including the forest area used and to be used).	3725.00 metre.
11.Details of the damages caused to bio-diversity including number of trees felled other than breaking the earth (which is already covered under point 5 above).	

12.Details of the soil conservation/ engineering works necessary on the upper and lower sides of the road for its strengthening and avoiding landslides.	Retaining walls, Breast walls, Crate walls, Plantation works, Avenue plants.
13.Estimated expenditure for carrying out these engineering works.	Rs. 25.00 lakh.
14.Recommendations of the Committee (should include length the kilometers extent of forest land additionally required for completing the work, expenditure to be incurred on engineering/vegetative works necessary for stabilizing the soil/ boulders on upper and lower sides of the road, etc.)	Committee recommends for the approval of project in view of the larger public interest. The project road constructed under violation is 1125 metres and additional construction of 2600 metres is required in forest land for construction of total 5355 metre road including non forest land.


 (Anil Chauhan)HPAS
 Sub Divisional Magistrate (Civil),
 Chopal, District Shimla HP


 (),
 Divisional Forest Officer,
 Chopal, District Shimla HP


 (Er. Suresh Kapoor)
 Superintending Engineer,
 04th Circle HPPWD Shimla


 (Er. K.S. Pal)
 Executive Engineer,
 HPPWD Divn. Chopal.


 (R.K. Gupta) IFS,
 Chief Conservator of
 Forests, Shimla, Circle
 Shimla.

Name of Work: - **Diversion of 02.4303 hectare of Forest land in favour of HPPWD for the construction of road from Bamta Kainchi to Momvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355, within the jurisdiction of Chopal Forest Division Distt. Shimla HP.**

CERTIFICATE

That the proposed road from **Bamta Kainchi to Momvi Pujarli (Shangroli) via Jagrah** is at a aerial distance of 14 km. from Eco sensitive zone Talra wildlife sanctuary and 15 km from the boundary of proposed Eco sensitive zone of Churdhar Wildlife sanctuary.

That the road from **Bamta Kainchi to Momvi Pujarli (Shangroli) via Jagrah** does not fall within the proposed Eco sensitive zone of Talra and Eco sensitive zone Churdhar wildlife sanctuary.

That the proposed road is an offshoot road from **Bamta Kainchi to Momvi Pujarli (Shangroli) via Jagrah.**

The construction of the said road from **Bamta Kainchi to Momvi Pujarli (Shangroli) via Jagrah** shall not pose any kind of danger to the wildlife or its habitat of the area.

Therefore, the case is recommended from wildlife point of view as it is perceived that present construction of the proposed road shall have no adverse impact on the wildlife.


Deputy Conservator of Forests,
Chopal Forest Division Chopal

JOINT CERTIFICATE REGARDING NON AVAILABILITY OF NON FOREST LAND FOR RAISING COMPENSATORY AFFORESTATION.

This is to certify that all the Govt. waste land in this district are considered as forest land in view of the notification Ft. 29-241/B/C/49 dated 25.02.1952 of Govt. of Himachal Pradesh according to which all Govt. waste land has been declared as protected forests. Hence there is no availability of suitable non-forest within the jurisdiction of Chopal Forest Division, Shimla District for raising compensatory afforestation in lieu of diversion of **02-83-37** hectare forest land proposed to be diverted for the construction of **Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah road Km. 0/0 to 5/355** has to be proposed to be carried out in the jurisdiction of Forest Division Chopal Distt. Shimla HP.

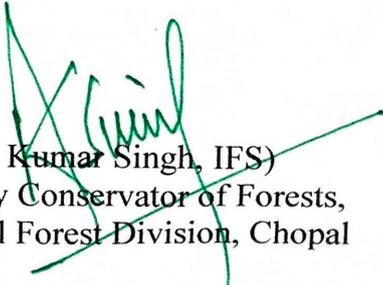

District Collector,
Shimla, District Shimla, HP.


Divisional Forest Officer,
Chopal Forest Division, Chopal

Name of Work: - Construction of road from Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah Km. 0/0 to 5/355.

CHECK LIST SERIAL NUMBER: - 19.

(a)	Extant (in hectare) of forest land broken/encroached and the number of trees illicitly felled.	<ul style="list-style-type: none">• Extent of area broken in violation. Forest land:-285.00 metre. Private land :- 840.00 metre Total :- 1125.00 metre• Since road has been constructed long back damages to biodiversity and trees cannot be assessed at this point of time.
(b)	The name and designation of the officials/persons who are prime-facie responsible for the contravention of the provisions of the Act, supported by requisite documents.	The proposed road is constructed by HPPWD in the year 2007 and is also listed in the list of roads constructed in violation in CWP No. 5600 of 2012 dated 05.09.2013 titled as " Sh. Manoj Kumar Vs Charan Vs UOI and others" linked the COPC No.56 of in pursuance of Govt. HP Notification No. FFE-B(3)-31/2012 dated 21/10/2013 has given one time relaxation for all HPPWD roads where violation has been committed, on serial No.34 as " Bamta Kainchi to Shangroli".
(c)	In case it is not possible to fix responsibility for commission/omission of any leading of violation of the supporting of the Act, full explanation with relevant supporting document to be appended.	Nil
(d)	Details of action taken by the DFO against illicit felling/encroachment, illegal mining etc. under the provisions of IFA-197/PLPA-1900/other State Acts etc.	Nil


(Ankit Kumar Singh, IFS)
Deputy Conservator of Forests,
Chopal Forest Division, Chopal

No.SML-SR-57/2021 - 863
Office of the Deputy Commissioner,
Shimla, District Shimla, H.P.

Dated, Shimla-1 the 30th December, 2021.

NON AVAILABILITY OF NON FOREST LAND CERTIFICATE

Certified that no alternative suitable Non Forest land is available for construction of Bamta Kainchi to Mamuvi Pujarli (Shangroli) via Jagrah in Tehsil Nerwa, District Shimla. The diversion of forest land area measuring **02-43-03 Hectares** situated in Mohal/Mauja Bamta, DPF Bamta, Shangroli, DPF Shangroli, Mamuvi, Tehsil Chopal, District Shimla, Himachal Pradesh is essential which cannot be avoided. The detail of forest land is as under:-

Sr. No.	Name of Tehsil/ Sub-Tehsil	Name of Mauja/ Up-Mohal	Khasra No.	Area in Hectares	Classification of Land
	Chopal	Bamta	412/1	00-06-97	Charagarh Billa Drakhtan
			Kita=1	00-06-97	
		DPF Bamta	6/1	00-25-66	Jungle Mehfuza Mahduda
			4/1	00-31-41	Jungle Mehfuza Mahduda
			5/1	00-07-30	Jungle Mehfuza Mahduda
			Kita=3	00-64-37	
		Shangroli	213/2	00-02-96	Charagarh Billa Darakhtan
			213/1	00-11-95	Charagarh Billa Darakhtan
			207/1	00-08-52	Charagarh Billa Darakhtan
			220/1	00-05-18	Charagarh Billa Darakhtan
			219/1	00-02-24	Charagarh Billa Darakhtan
			Kita=5	00-30-85	
			DPF Shangroli	6/1	00-22-59
		5/1		00-23-23	Jungle Mehfuza Mahduda

		Kita=2	00-45-82	
	Mamuvi	349/1	00-01-43	Charagarh Billa Darakhtan
		297/1	00-00-88	Charagarh Billa Darakhtan
		296/1	00-02-82	Charagarh Billa Darakhtan
		294/1	00-04-80	Charagarh Billa Darakhtan
		296/2	00-02-20	Charagarh Billa Darakhtan
		292/2	00-00-99	Charagarh Billa Darakhtan
		196/1	00-04-56	Charagarh Billa Darakhtan
		304/1	00-00-68	Charagarh Billa Darakhtan
		191/1	00-00-70	Charagarh Billa Darakhtan
		190/1	00-02-55	Charagarh Billa Darakhtan
		309/1	00-00-53	Charagarh Billa Darakhtan
		399/1	00-00-25	Charagarh Billa Darakhtan
		385/1	00-00-53	Charagarh Billa Darakhtan
		431/1	00-02-40	Charagarh Billa Darakhtan
		243/1	00-02-94	Charagarh Billa Darakhtan
		243/1/1	00-00-80	Charagarh Billa Darakhtan
		244/1	00-08-20	Charagarh Billa Darakhtan
		277/1	00-00-84	Charagarh Billa Darakhtan
		292/1	00-00-72	Charagarh Billa Darakhtan
		Kita=19	00-38-82	

Dumping Site

	Bamta	904/1	00-11-20	Charagarh Billa Darakhtan
	DPF Shangroli	5/3	00-18-00	Jungle Mehfuza Mahduda
	Bamta	5/2	00-27-00	Jungle Mehfuza Mahduda
		Kita=3	00-56-20	

	Grand Total	Kita=33	02-43-03	
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Deputy Commissioner,
Shimla (H.K.), Shimla