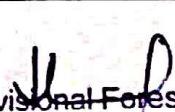


CHECKLIST

Name of the Proposal: Diversion of 5.146 ha. Forest Land for Additional ROW Requirement for Development of Two Bridges located at Km- 2+250 to Km- 3+450 and Km- 10+100 to 10+560 of Chenani - Sudhmahadev Road (NH- 244).

Division: Forest Division Udhampur

S. No.	Particulars	Document enclosed (Yes/No)
1	Fill the Form-A (Part-II)	Enclosed (Page No.2-3)
	Joint Inspection by the representative of DFO and Project Authority and authentication of:	
	(i) inspection report	Enclosed (Page No.4)
2	(ii) enumeration list of trees/poles on the forest	Enclosed (Page No.5-15)
	(iii) calculation of area (length and width) of forest land involved	Enclosed (Page No.16)
	(iv) Layout plan with dimensions	Enclosed (Page No.17-21(a))
3	Certificate that all alternatives have been explored and the proposed forest land is the minimum land required for the project, as per format (attached).	Enclosed (Page No.21(b))
4	C.A. Proposal approved by the competent authority	Enclosed (Page No.22-25)
5	Geo-reference map of CA site	Enclosed (Page No.26-28)
6	Suitability certificate from the DFO regarding area proposed for CA (degraded forest land/non-forest land) suitable from management point of view, as per the format (attached)	Enclosed (Page No.29)
7	Calculation sheet of NPV	Enclosed (Page No.30-33)
8	Calculation sheet of Extraction charges	
	Undertaking by User Agency to pay the following for the forest land involved duly countersigned by DFO as per the format (attached).	
9	a) C.A	Enclosed (Page No.34)
	b) the Net Present Value (NPV)	Enclosed (Page No.35)
	c) Additional Net Present Value (NPV) if any,	
10	All proposals involving forest land more than 5 Ha (except for defence and building construction related cases) shall include a cost-benefit analysis, as per the format.	Enclosed (Page No.36-40)
11	Site inspection report of DFO as per the format (attached)	Enclosed (Page No.41)
12	Muck disposal plan	Enclosed (Page No.42)
13	Specific recommendation of DFO	Enclosed (Page No.43)
15	Violation report, if any	-


 Divisional Forest Officer
 Udhampur Forest Division
 Udhampur

CHECKLIST

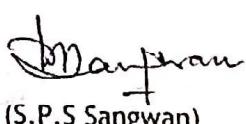
Name of the Proposal: Diversion of 5.146 ha. Forest land for Additional Right of Way (ROW) requirement for Development of Two Bridges located at Km- 2+250 to Km- 3+450 and Km- 10+100 to Km- 10+560 of Chenani - Sudhmahadev Road (NH- 244)

Division: Udhampur

User Agency: National Highways & Infrastructure Development Corporation Limited (NHIDCL), Ministry of Road, Transport & Highways (Govt. of India), PMU- Akhnoor, J&K (U/T)

S.no	Particulars	Document enclosed (Yes/No)
1	Register online through the portal "parivesh.nic.in"	Yes
2	Fill the Form-A- Part-I (extent of proposed area for diversion to be preferably in two digits after decimal)	Yes
3	Upload authorization letter to the person submitting application on PARIVESH portal by the competent authority of the user agency. ID Card, PAN Card etc not to be uploaded.	Yes
4	Upload colored Survey of India Toposheet Map of the project site / forest land to be diverted, or any suitable map with legend authenticated by the representative of DFO (Territorial) and Project Authority	Yes
5	Upload KML file of the forest land to be diverted under the project. KML of Non-Forest Land (NFL) in different shade to be uploaded, if necessary.	Yes
6	Upload Geo-reference map showing GPS Coordinates of the forest land proposed for diversion	Yes
7	Upload Justification for locating the project on forest land	Yes
8	Upload original copy of the communication addressed to the concerned Deputy Commissioner for recognition and vesting of forest rights in accordance with the provisions of the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 (2 of 2007) for the entire forest land indicated in the proposal	Yes
9	Additional documents: <ul style="list-style-type: none"> i) Brief Project Note (covering the main features of the proposal, particularly, its implication on environment/forest and mitigation measures like construction of retaining/breast walls and number of people to be benefited from the project) ii) Approval of the project by the competent authority. 	Yes


 Divisional Forest Officer,
 Divisional Forest Officer
 Udhampur Forest Division
 Udhampur


 (S.P.S Sangwan)
 General Manager (P)
 NHIDCL, PMU-Akhnoor
 General Manager (P)
 N.H.I.D.C.L.,
 PMU-Akhnoor (J&K)

Diversion of 5.146 ha. Forest Land for Additional ROW Requirement for Re-alignment and Dumping points(2 no.) at Km- 2+620 to Km- 3+450 and Km- 10+380 to 10+570 of Chenani - Sudhmahadev Road(upgradation) (NH- 244)

PART-II

(To be filled by concerned Deputy Conservator of Forests)
Location of the Project/Scheme

7		
i	State/ Union Territory	Jammu and Kashmir
ii	District	Udhampur
iii	Forest Division	Udhampur
iv	Area of the forest land proposed for Diversion (in Hact)	5.146 Ha.
v	Legal Status Forest	Demarcated Forest Land
vi	Density of Vegetation:	70% (0.7)
vii	Species-wise(Scientific names) and diameter class-wise enumeration of trees (to be enclosed).In case of Irrigation/ hydro projects enumeration at FRL, FRL-2 meter & FRL-1 meter also be enclosed	List enclosed
viii	Brief on Vulnerability of the forest area to erosion.	As the terrain is hilly, all possible preventive measures will have to be taken by the user agency for preventing the possibility of soil erosion.
ix	Approximate distance of proposed site for diversion from boundary of forest.	0.00 KM
x	Whether any part of National Park/ WL Sanctuary, Biosphere reserve, tiger reserve, Elephant corridor etc. (if so, the detail of the area and comments of the chief wildlife warden to Annexure)	No
xi	Whether any rare/ endangered unique species of flora and fauna is an area? if so details thereof	No
	Whether any protected archeological/ heritage site/defense establishment or any other important monument is located in the area? If so, the details thereof with NOC from competent authority, if required	No archeological/heritage site/defense establishment exists in this area.
8.	Whether the requirement of forestland as proposed by the user agency in col 2 of Para-I is unavoidable and bares minimum for the project? If no, recommended area item wise with details of alternatives examined.	Yes.
9.	Whether any work in violation of the act has been carried out if Yes details of the same including period of work done. Action taken on erring officials. Whether work in violation is still in progress.	No
10.	Details of compensatory Afforestation scheme.	CA Scheme Attached
	i) Details of non forest area/ degraded forest area identified for compensatory afforestation, its distance from adjoining forest, number of patches and size of each patch.	The compensatory afforestation will be carried out in one patch as per detail given at Page:

*Shankar
S. O. Fwd*

*Shay
Deaf Guard
Margao*

*Raju
The Bawali Coop. U/W*

3.

	ii) Map showing non forest/ degraded forest area indentified for Compensatory afforestation and adjoining forest boundaries.	Attached
	iii) Detailed compensatory afforestation scheme including species to be planted implementing agency, time schedule, cost Structure.	Detailed of CA Scheme attached
	iv) Total financial outlay for compensatory afforestation scheme.	The financial outlay for raising plantation and its maintenance under compensatory scheme comes out to be Rs. 943802/-
	v) Certificates from competent authority regarding suitability of area indentified for compensatory afforestation and from Management point of view (to be signed by concerned Deputy Conservator of Forests)	Certificate attached.
11.	Site inspection report of the DCF (to be enclosed) especially highlighted facts asked in col. 7(ix, xii), 8 & 9 above	Inspection report attached
12.	Division/ District Profile:	
	i) Geographical area of the District	2380 Sq. Kms
	ii) Forest area of the District	1070.79 SqKms
	iii) Total forest area diverted since 1980 with number of cases.	440.3564 Ha. (123 Nos. Cases)
	iv) Total compensatory afforestation stipulated in the District/ Division since 1980	— 2216 Ha.
	a) Forest land including penal compensatory afforestation	2216 Ha.
	b) Non forest land	—
	v) Progress of compensatory afforestation as on date	19-12-2020
	a) Forest Land	2216 Ha.
	b) Non Forest Land	—
13	Specific recommendations of the DCF for acceptance or otherwise of the proposal with reasons:	Recommended.

Dated:

Place:

*Heet
Heetdikat*

*3'ay
Beat Guard
Margene*

*Heetdikat
B.O. Kast*

*C/S J. S.
Divisional Forest Officer
Udhampur Forest Division
Udhampur*

*Heetdikat
G. J.
R.D. Dikat*

Joint inspection

Today on 07-08-2020 the undersigned along with the concerned beat guard conducted the joint inspection with the representative of user agency NHIDCL for "upgradation of Chenani-Sudhmahadev road". During the joint inspection following area of Territorial Forest Division Udhampur was found involved.

S.No	Particular	Comptt. No.	Forest area proposed for diversion/upgradation (Ha.)						
			R.D no.	Length (m)	Width (m)	Total area (sqm)	Total area (Ha)		
1.	Dudu	97a/D	R.D 2.620 KM to R.D 3.250 KM	630	30	18900	1.89		
			R.D 3.250 KM to R.D 3.450	200	24	4800	0.48		
Total						23700	2.37		
2.	Dudu	97b/D	For Muck Dumping D-1			13300	1.33		
Total						13300	1.33		
3.	Dudu	101b/D	R.D 10.380 KM to R.D 10.430 Km	50	30	1500	0.15		
			R.D 10.430 KM to R.D 10.570 KM	140	14	1960	0.196		
			For muck Dumping D-2			11000	1.10		
Total						14460	1.446		
G.Total (Total Forest Land involved)						51460	5.146		

- Further, on inspection of the site (as per the nishandehi given by the representative of user agency) it has been found that the land required by the user agency is a forest area measuring 5.146 hectare of forest comptt. 97a/D, 97b/D and 101b/D.
- The requirement of the forest land is proposed by the user agency is unavoidable and is barest minimum required for the project.
- The user agency has not violated the provision of Forest Conservation Act, 1980 and no upgradation work has been started without proper sanction.

Amal Singh
Site Engineer
NHIDCL

c/s
Divisional Forest Officer
Udhampur Forest Division
Udhampur

Attested.
M. A. Khan. B.O. Head. V. J. M. M. Forest Range Officer
Dudu. P. O. Channal.

5.

General Abstract of trees/poles coming under the upgradation of Chenani- Sudhmahadev road(re-alignment and dumping point no. 1) passing through the forest land Co. 97a/D, 97b/D and 101b/D

S.No	Species	Botanical Name	Girth (in Cm's)									Total
			0-30	31-60	61-90	91-120	121-150	151-180	181-210	211-240	241-270	
1	Chir	<i>Pinus roxburghii</i>	384	10	7	27	49	55	60	59	31	3
2	Deodar	<i>Cedrus deodara</i>										37
3	Kiker	<i>Robinia pseudoacacia</i>	28									28
4	Shisham	<i>Dalbergia sissoo</i>	14									14
5	Kau	<i>Olea cuspidata</i>	27									27
6	Anardana	<i>Punica granatum</i>	7									7
7	Tunu	<i>Toona ciliata</i>	4									4
8	Sadi	<i>Prunus armeniaca</i>	1									1
9	Dhaman	<i>Grewia optiva</i>		1								1
10	Kainth	<i>Pyrus pashia</i>		2								2
11	Trimbal	<i>Ficus racemosa</i>	1									1
12	Draink	<i>Melia azedarach</i>		1								1
			477	28	19	27	49	55	60	59	31	3
												808

Certified that the trees/poles has been enumerated by u/s along with the concerned baet guard as per the spot nishandehi given by the representative of the user agency coming under the upgradation of Chenani Sudhmahadev road(re-alignment and dumping point no. 1 and 2) passing through the Co. 97a/D, 97b/D and 101b/D.

Atta
Atta
J. M. Poddar
Block Forest Officer
Kud Block

Abdul
Abdul
Beat Guard
Margana
Karlah-II

CS
CS
Forest Officer
Divisional Forest Officer
Divisional Forest Officer
Udampur
Udampur

S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks	S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks
59	97a/D	Chir	<i>Pinus roxburghii</i>	193	Green Standing	91	97a/D	Chir	<i>Pinus roxburghii</i>	187	Green Standing
60	97a/D	Chir	<i>Pinus roxburghii</i>	220	Green Standing	92	97a/D	Chir	<i>Pinus roxburghii</i>	203	Green Standing
61	97a/D	Chir	<i>Pinus roxburghii</i>	175	Green Standing	93	97a/D	Chir	<i>Pinus roxburghii</i>	213	Green Standing
62	97a/D	Chir	<i>Pinus roxburghii</i>	233	Green Standing	94	97a/D	Chir	<i>Pinus roxburghii</i>	157	Green Standing
63	97a/D	Chir	<i>Pinus roxburghii</i>	172	Green Standing	95	97a/D	Chir	<i>Pinus roxburghii</i>	160	Green Standing
64	97a/D	Chir	<i>Pinus roxburghii</i>	256	Green Standing	96	97a/D	Chir	<i>Pinus roxburghii</i>	96	Green Standing
65	97a/D	Chir	<i>Pinus roxburghii</i>	238	Green Standing	97	97a/D	Chir	<i>Pinus roxburghii</i>	193	Green Standing
66	97a/D	Chir	<i>Pinus roxburghii</i>	228	Green Standing	98	97a/D	Chir	<i>Pinus roxburghii</i>	203	Green Standing
67	97a/D	Chir	<i>Pinus roxburghii</i>	210	Green Standing	99	97a/D	Chir	<i>Pinus roxburghii</i>	157	Green Standing
68	97a/D	Chir	<i>Pinus roxburghii</i>	208	Green Standing	100	97a/D	Chir	<i>Pinus roxburghii</i>	139	Green Standing
69	97a/D	Chir	<i>Pinus roxburghii</i>	256	Green Standing	101	97a/D	Chir	<i>Pinus roxburghii</i>	162	Green Standing
70	97a/D	Chir	<i>Pinus roxburghii</i>	266	Green Standing	102	97a/D	Chir	<i>Pinus roxburghii</i>	190	Green Standing
71	97a/D	Chir	<i>Pinus roxburghii</i>	241	Green Standing	103	97a/D	Chir	<i>Pinus roxburghii</i>	139	Green Standing
72	97a/D	Chir	<i>Pinus roxburghii</i>	243	Green Standing	104	97a/D	Chir	<i>Pinus roxburghii</i>	231	Green Standing
73	97a/D	Chir	<i>Pinus roxburghii</i>	215	Green Standing	105	97a/D	Chir	<i>Pinus roxburghii</i>	182	Green Standing
74	97a/D	Chir	<i>Pinus roxburghii</i>	299	Green Standing	106	97b/D	Chir	<i>Pinus roxburghii</i>	170	Green Standing
75	97a/D	Chir	<i>Pinus roxburghii</i>	170	Green Standing	107	97b/D	Chir	<i>Pinus roxburghii</i>	213	Green Standing
76	97a/D	Chir	<i>Pinus roxburghii</i>	160	Green Standing	108	97b/D	Chir	<i>Pinus roxburghii</i>	238	Green Standing
77	97a/D	Chir	<i>Pinus roxburghii</i>	127	Green Standing	109	97b/D	Chir	<i>Pinus roxburghii</i>	231	Green Standing
78	97a/D	Chir	<i>Pinus roxburghii</i>	121	Green Standing	110	97b/D	Chir	<i>Pinus roxburghii</i>	248	Green Standing
79	97a/D	Chir	<i>Pinus roxburghii</i>	114	Green Standing	111	97b/D	Chir	<i>Pinus roxburghii</i>	238	Green Standing
80	97a/D	Chir	<i>Pinus roxburghii</i>	132	Green Standing	112	97b/D	Chir	<i>Pinus roxburghii</i>	226	Green Standing
81	97a/D	Chir	<i>Pinus roxburghii</i>	114	Green Standing	113	97b/D	Chir	<i>Pinus roxburghii</i>	119	Green Standing
82	97a/D	Chir	<i>Pinus roxburghii</i>	165	Green Standing	114	97b/D	Chir	<i>Pinus roxburghii</i>	243	Green Standing
83	97a/D	Chir	<i>Pinus roxburghii</i>	193	Green Standing	115	97b/D	Chir	<i>Pinus roxburghii</i>	104	Green Standing
84	97a/D	Chir	<i>Pinus roxburghii</i>	96	Green Standing	116	97b/D	Chir	<i>Pinus roxburghii</i>	137	Green Standing
85	97a/D	Chir	<i>Pinus roxburghii</i>	99	Green Standing	117	97b/D	Chir	<i>Pinus roxburghii</i>	149	Green Standing
86	97a/D	Chir	<i>Pinus roxburghii</i>	203	Green Standing	118	97b/D	Chir	<i>Pinus roxburghii</i>	187	Green Standing
87	97a/D	Chir	<i>Pinus roxburghii</i>	177	Green Standing	119	97b/D	Chir	<i>Pinus roxburghii</i>	195	Green Standing
88	97a/D	Chir	<i>Pinus roxburghii</i>	144	Green Standing	120	97b/D	Chir	<i>Pinus roxburghii</i>	172	Green Standing
89	97a/D	Chir	<i>Pinus roxburghii</i>	182	Green Standing	121	97b/D	Chir	<i>Pinus roxburghii</i>	170	Green Standing
90	97a/D	Chir	<i>Pinus roxburghii</i>	200	Green Standing	122	97b/D	Chir	<i>Pinus roxburghii</i>	182	Green Standing

~~Hamid~~ ~~B.C. Kewal~~

~~Hamid~~ ~~B.C. Kewal~~
Best Guard
Mangane

~~Heavy
Bark~~

Grey
Bark
Strong

S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks	S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks
123	97b/D	Chir	Pinus Roxburghii	243	Green Standing	155	97b/D	Chir	Pinus Roxburghii	152	Green Standing
124	97b/D	Chir	Pinus Roxburghii	116	Green Standing	156	97b/D	Chir	Pinus Roxburghii	248	Green Standing
125	97b/D	Chir	Pinus Roxburghii	160	Green Standing	157	97b/D	Chir	Pinus Roxburghii	261	Green Standing
126	97b/D	Chir	Pinus Roxburghii	167	Green Standing	158	97b/D	Chir	Pinus Roxburghii	274	Green Standing
127	97b/D	Chir	Pinus Roxburghii	129	Green Standing	159	97b/D	Chir	Pinus Roxburghii	236	Green Standing
128	97b/D	Chir	Pinus Roxburghii	162	Green Standing	160	97b/D	Chir	Pinus Roxburghii	220	Green Standing
129	97b/D	Chir	Pinus Roxburghii	99	Green Standing	161	97b/D	Chir	Pinus Roxburghii	274	Green Standing
130	97b/D	Chir	Pinus Roxburghii	137	Green Standing	162	97b/D	Chir	Pinus Roxburghii	122	Green Standing
131	97b/D	Chir	Pinus Roxburghii	190	Green Standing	163	97b/D	Chir	Pinus Roxburghii	193	Green Standing
132	97b/D	Chir	Pinus Roxburghii	152	Green Standing	164	97b/D	Chir	Pinus Roxburghii	243	Green Standing
133	97b/D	Chir	Pinus Roxburghii	175	Green Standing	165	97b/D	Chir	Pinus Roxburghii	210	Green Standing
134	97b/D	Chir	Pinus Roxburghii	231	Green Standing	166	97b/D	Chir	Pinus Roxburghii	210	Green Standing
135	97b/D	Chir	Pinus Roxburghii	142	Green Standing	167	97b/D	Chir	Pinus Roxburghii	170	Green Standing
136	97b/D	Chir	Pinus Roxburghii	200	Green Standing	168	97b/D	Chir	Pinus Roxburghii	208	Green Standing
137	97b/D	Chir	Pinus Roxburghii	134	Green Standing	169	97b/D	Chir	Pinus Roxburghii	180	Green Standing
138	97b/D	Chir	Pinus Roxburghii	182	Green Standing	170	97b/D	Chir	Pinus Roxburghii	236	Green Standing
139	97b/D	Chir	Pinus Roxburghii	109	Green Standing	171	97b/D	Chir	Pinus Roxburghii	137	Green Standing
140	97b/D	Chir	Pinus Roxburghii	152	Green Standing	172	97b/D	Chir	Pinus Roxburghii	122	Green Standing
141	97b/D	Chir	Pinus Roxburghii	167	Green Standing	173	97b/D	Chir	Pinus Roxburghii	233	Green Standing
142	97b/D	Chir	Pinus Roxburghii	152	Green Standing	174	97b/D	Chir	Pinus Roxburghii	236	Green Standing
143	97b/D	Chir	Pinus Roxburghii	218	Green Standing	175	97b/D	Chir	Pinus Roxburghii	246	Green Standing
144	97b/D	Chir	Pinus Roxburghii	121	Green Standing	176	97b/D	Chir	Pinus Roxburghii	281	Green Standing
145	97b/D	Chir	Pinus Roxburghii	203	Green Standing	177	97b/D	Chir	Pinus Roxburghii	261	Green Standing
146	97b/D	Chir	Pinus Roxburghii	182	Green Standing	178	97b/D	Chir	Pinus Roxburghii	139	Green Standing
147	97b/D	Chir	Pinus Roxburghii	129	Green Standing	179	97b/D	Chir	Pinus Roxburghii	264	Green Standing
148	97b/D	Chir	Pinus Roxburghii	248	Green Standing	180	97b/D	Chir	Pinus Roxburghii	129	Green Standing
149	97b/D	Chir	Pinus Roxburghii	259	Green Standing	181	97b/D	Chir	Pinus Roxburghii	195	Green Standing
150	97b/D	Chir	Pinus Roxburghii	274	Green Standing	182	97b/D	Chir	Pinus Roxburghii	236	Green Standing
151	97b/D	Chir	Pinus Roxburghii	213	Green Standing	183	97b/D	Chir	Pinus Roxburghii	149	Green Standing
152	97b/D	Chir	Pinus Roxburghii	172	Green Standing	184	97b/D	Chir	Pinus Roxburghii	246	Green Standing
153	97b/D	Chir	Pinus Roxburghii	147	Green Standing	185	97b/D	Chir	Pinus Roxburghii	175	Green Standing
154	97b/D	Chir	Pinus Roxburghii	190	Green Standing	186	97b/D	Chir	Pinus Roxburghii	127	Green Standing

S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks	S.No	Comptt No	Local Name	Botanical Name	Girth (in cm)	Remarks
187	97b/D	Chir	<i>Pinus Roxburghii</i>	147	Green Standing	192	97b/D	Chir	<i>Pinus Roxburghii</i>	101	Green Standing
188	97b/D	Chir	<i>Pinus Roxburghii</i>	149	Green Standing	193	97b/D	Chir	<i>Pinus Roxburghii</i>	147	Green Standing
189	97b/D	Chir	<i>Pinus Roxburghii</i>	238	Green Standing	194	97b/D	Chir	<i>Pinus Roxburghii</i>	104	Green Standing
190	97b/D	Chir	<i>Pinus Roxburghii</i>	139	Green Standing	195	97b/D	Chir	<i>Pinus Roxburghii</i>	142	Green Standing
191	97b/D	Chir	<i>Pinus Roxburghii</i>	157	Green Standing						

Abstract of poles/saplings

S.No	Comptt No	Local Name	Botanical Name	Girth (in Cm)			Total
				0-30	30-60	60-90	
1	97a/D	Kiker	<i>Robinia pseudoacacia</i>	28	-	-	28
		Shisham	<i>Dalbergia sissoo</i>	14	-	-	14
		Chir	<i>Pinus roxburghii</i>	380	1	1	382
		Kau	<i>Olea cuspidata</i>	27	-	-	27
		Anardan	<i>Punica granatum</i>	7	-	-	7
		Tunu	<i>Toona ciliata</i>	4	-	-	4
		Sadi	<i>Prunus armeniaca</i>	1	-	-	1
		Dhaman	<i>Grewia optiva</i>	-	1	-	1
		Kainth	<i>Pyrus pashia</i>	-	2	-	2
		Trimbal	<i>Ficus racemosa</i>	1	-	-	1
		Draink	<i>Melia azedarach</i>	-	1	-	1
				462	5	1	468

Certified that the trees/poles has been enumerated by u/s along with the concerned beat guard as per the spot nishandehi given by the representative of the user agency coming under the upgradation of Chenani Sudhmahadev road(re-alignment and dumping point no. 1) passing through the Co. 97a/D and 97b/D. Is also certified that the proposed realignment also passes between the CAMPA closure Comptt. 97a/D established during the year 2011-12.

C/S Forest Officer
Mall Road Forest Division
Divisional Forest Officer
Udhampur
J&K
Dated 22/07/2012

Beat Guard
Margana
R.D.Dubey
Dated 22/07/2012

Block Forest Officer
Kud Block
Dated 22/07/2012

Abstract of trees/poles coming under the upgradation of Chenani- Sudhmahadev road(re-alignment) passing through the forest land Co. 97a/D

Certified that the trees/poles has been enumerated by u/s along with the concerned baet guard as per the spot nishandehi given by the representative of the user agency coming under the upgradation of Chenani Sudhmahadev road(re-alignment) passing through the Co. 97a/D.

Jay
Beat Guard
Margana

Chd
Officer
Divisional Forces
Underarmy

~~W. H. Muller~~ — ~~Forest Officer~~ — ~~Almora~~ — ~~John~~ — ~~Almora~~ — ~~Pro Dudi~~

Abstract of trees/poles coming under the upgradation of Chenani- Sudhmahadev road(re-alignment and dumping point no.1) passing through the forest land Co. 97b/D

Certified that the trees/poles has been enumerated by u/s along with the concerned baet guard as per the spot nishandehi given by the representative of the user agency coming under the upgradation of Chenani Sudhmahadev road(dumping point no. 1) passing through the Co. 97b/D.

	Kud Block
	Margana
	Beat Guard
	Block Forest Officer

Divisional Forces Officer
Underarmour Team Division
C/S

Margana

Abstract of trees/poles coming under the upgradation of Chenani- Sudhmahadev road(re-alignment and dumping point no. 1) passing through the forest land Co. 97a/D and 97b/D

S.No	Species	Botanical Name	Girth (in Cm's)								Total	
			0-30	31-60	61-90	91-120	121-150	151-180	181-210	211-240	241-270	
1	Chir	<i>Pinus roxburghii</i>	380	1	1	16	33	36	45	38	24	3
2	Kiker	<i>Robinia pseudoacacia</i>	28									28
3	Shisham	<i>Dalbergia sissoo</i>	14									14
4	Kau	<i>Olea cuspidata</i>	27									27
5	Anardana	<i>Punica granatum</i>	7									7
6	Tunu	<i>Toona ciliata</i>	4									4
7	Sadi	<i>Prunus armeniaca</i>	1									1
8	Dhaman	<i>Grewia optiva</i>		1								1
9	Kainth	<i>Pyrus pashia</i>			2							2
10	Trimbal	<i>Ficus racemosa</i>	1									1
11	Draink	<i>Melia azedarach</i>		1		16	33	36	45	38	24	1
			462	5	1							663

Certified that the trees/poles has been enumerated by u/s along with the concerned baet guard as per the spot nishandehi given by the representative of the user agency coming under the upgradation of Chenani Sudhmahadev road(re-alignment and dumping point no. 1) passing through the Co. 97a/D and 97b/D.

Abdul
Abdul
Block Forest Officer
Kud Block

Jay
Jay
Beat Guard
Margana

C/o
C/o
Chitravati Forest Division
Chitravati Forest Division

Enumeration list of trees/poles coming under the upgradation of Chenani- Sudhmahadev road(re-alignment and dumping point no.2) passing through the forest land Co. 101b/D

S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks	S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks
1	101b/D	Chir	<i>Pinus roxburghii</i>	213	Green Standing	30	101b/D	Chir	<i>Pinus roxburghii</i>	236	Green Standing
2	101b/D	Chir	<i>Pinus roxburghii</i>	223	Green Standing	31	101b/D	Chir	<i>Pinus roxburghii</i>	121	Green Standing
3	101b/D	Chir	<i>Pinus roxburghii</i>	121	Green Standing	32	101b/D	Chir	<i>Pinus roxburghii</i>	259	Green Standing
4	101b/D	Chir	<i>Pinus roxburghii</i>	167	Green Standing	33	101b/D	Chir	<i>Pinus roxburghii</i>	228	Green Standing
5	101b/D	Chir	<i>Pinus roxburghii</i>	200	Green Standing	34	101b/D	Chir	<i>Pinus roxburghii</i>	91	Green Standing
6	101b/D	Chir	<i>Pinus roxburghii</i>	144	Green Standing	35	101b/D	Chir	<i>Pinus roxburghii</i>	203	Green Standing
7	101b/D	Chir	<i>Pinus roxburghii</i>	200	Green Standing	36	101b/D	Chir	<i>Pinus roxburghii</i>	116	Green Standing
8	101b/D	Chir	<i>Pinus roxburghii</i>	198	Green Standing	37	101b/D	Chir	<i>Pinus roxburghii</i>	116	Green Standing
9	101b/D	Chir	<i>Pinus roxburghii</i>	157	Green Standing	38	101b/D	Chir	<i>Pinus roxburghii</i>	167	Green Standing
10	101b/D	Chir	<i>Pinus roxburghii</i>	172	Green Standing	39	101b/D	Chir	<i>Pinus roxburghii</i>	226	Green Standing
11	101b/D	Chir	<i>Pinus roxburghii</i>	231	Green Standing	40	101b/D	Chir	<i>Pinus roxburghii</i>	116	Green Standing
12	101b/D	Chir	<i>Pinus roxburghii</i>	223	Green Standing	41	101b/D	Chir	<i>Pinus roxburghii</i>	170	Green Standing
13	101b/D	Chir	<i>Pinus roxburghii</i>	139	Green Standing	42	101b/D	Chir	<i>Pinus roxburghii</i>	218	Green Standing
14	101b/D	Chir	<i>Pinus roxburghii</i>	213	Green Standing	43	101b/D	Chir	<i>Pinus roxburghii</i>	220	Green Standing
15	101b/D	Chir	<i>Pinus roxburghii</i>	213	Green Standing	44	101b/D	Chir	<i>Pinus roxburghii</i>	248	Green Standing
16	101b/D	Chir	<i>Pinus roxburghii</i>	248	Green Standing	45	101b/D	Chir	<i>Pinus roxburghii</i>	203	Green Standing
17	101b/D	Chir	<i>Pinus roxburghii</i>	213	Green Standing	46	101b/D	Chir	<i>Pinus roxburghii</i>	208	Green Standing
18	101b/D	Chir	<i>Pinus roxburghii</i>	129	Green Standing	47	101b/D	Chir	<i>Pinus roxburghii</i>	121	Green Standing
19	101b/D	Chir	<i>Pinus roxburghii</i>	142	Green Standing	48	101b/D	Chir	<i>Pinus roxburghii</i>	231	Green Standing
20	101b/D	Chir	<i>Pinus roxburghii</i>	167	Green Standing	49	101b/D	Chir	<i>Pinus roxburghii</i>	157	Green Standing
21	101b/D	Chir	<i>Pinus roxburghii</i>	160	Green Standing	50	101b/D	Chir	<i>Pinus roxburghii</i>	165	Green Standing
22	101b/D	Chir	<i>Pinus roxburghii</i>	157	Green Standing	51	101b/D	Chir	<i>Pinus roxburghii</i>	264	Green Standing
23	101b/D	Chir	<i>Pinus roxburghii</i>	160	Green Standing	52	101b/D	Chir	<i>Pinus roxburghii</i>	152	Green Standing
24	101b/D	Chir	<i>Pinus roxburghii</i>	165	Green Standing	53	101b/D	Chir	<i>Pinus roxburghii</i>	127	Green Standing
25	101b/D	Chir	<i>Pinus roxburghii</i>	187	Green Standing	54	101b/D	Chir	<i>Pinus roxburghii</i>	134	Green Standing
26	101b/D	Chir	<i>Pinus roxburghii</i>	134	Green Standing	55	101b/D	Chir	<i>Pinus roxburghii</i>	205	Green Standing
27	101b/D	Chir	<i>Pinus roxburghii</i>	220	Green Standing	56	101b/D	Chir	<i>Pinus roxburghii</i>	157	Green Standing
28	101b/D	Chir	<i>Pinus roxburghii</i>	144	Green Standing	57	101b/D	Chir	<i>Pinus roxburghii</i>	215	Green Standing
29	101b/D	Chir	<i>Pinus roxburghii</i>	101	Green Standing	58	101b/D	Chir	<i>Pinus roxburghii</i>	215	Green Standing

Handy.
B.O.Kud.

fluv
He best leave us

S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks	S.No	Comptt. No	Local Name	Botanical Name	Girth (in cm)	Remarks
59	101b/D	Chir	Pinus roxburghii	167	Green Standing	75	101b/D	Chir	Pinus roxburghii	228	Green Standing
60	101b/D	Chir	Pinus roxburghii	182	Green Standing	76	101b/D	Chir	Pinus roxburghii	162	Green Standing
61	101b/D	Chir	Pinus roxburghii	160	Green Standing	77	101b/D	Chir	Pinus roxburghii	162	Green Standing
62	101b/D	Chir	Pinus roxburghii	99	Green Standing	78	101b/D	Chir	Pinus roxburghii	193	Green Standing
63	101b/D	Chir	Pinus roxburghii	215	Green Standing	79	101b/D	Chir	Pinus roxburghii	121	Green Standing
64	101b/D	Chir	Pinus roxburghii	254	Green Standing	80	101b/D	Chir	Pinus roxburghii	203	Green Standing
65	101b/D	Chir	Pinus roxburghii	243	Green Standing	81	101b/D	Chir	Pinus roxburghii	228	Green Standing
66	101b/D	Chir	Pinus roxburghii	106	Green Standing	82	101b/D	Chir	Pinus roxburghii	248	Green Standing
67	101b/D	Chir	Pinus roxburghii	101	Green Standing	83	101b/D	Chir	Pinus roxburghii	220	Green Standing
68	101b/D	Chir	Pinus roxburghii	142	Green Standing	84	101b/D	Chir	Pinus roxburghii	223	Green Standing
69	101b/D	Chir	Pinus roxburghii	182	Green Standing	85	101b/D	Chir	Pinus roxburghii	177	Green Standing
70	101b/D	Chir	Pinus roxburghii	182	Green Standing	86	101b/D	Chir	Pinus roxburghii	106	Green Standing
71	101b/D	Chir	Pinus roxburghii	104	Green Standing	87	101b/D	Chir	Pinus roxburghii	121	Green Standing
72	101b/D	Chir	Pinus roxburghii	198	Green Standing	88	101b/D	Chir	Pinus roxburghii	132	Green Standing
73	101b/D	Chir	Pinus roxburghii	104	Green Standing	89	101b/D	Chir	Pinus roxburghii	147	Green Standing
74	101b/D	Chir	Pinus roxburghii	185	Green Standing						

Abstract of poles/saplings

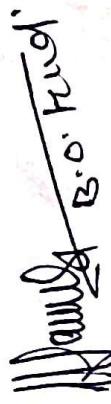
S.No	Comptt. No	Local Name	Botanical Name	Girth (in Cm)			Total
				0-30	30-60	60-90	
1	101b/D	Deodar Chir	Cedrus deodara Pinus roxburghii	11	14	12	37
				4	9	6	19
				15	23	18	56

Certified that the trees/poles has been enumerated by u/s along with the concerned baet guard as per the spot nishandehi given by the representative of the user agency coming under the upgradation of Chenani Sudhmahadev road(re-alignment and dumping point no. 2) passing through the Co. 101b/D.

Chhempur Divisional Officer
Chhempur Forest Range
Kud Block


Beat Guard
Karlah-II


Block Forest Officer
Kud Block


Block Forest Officer
Kud Block

Abstract of trees/poles coming under the upgradation of Chenani- Sudhmahadev road(re-alignment and dumping point no.2) passing through the forest land Co. 101b/D

S.No	Species	Botanical Name	Girth (in Cm's)						Total	
			0-30	31-60	61-90	91-120	121-150	151-180	181-210	
1	Chir	Pinus roxburghii	4	9	6	11	16	19	15	21
2	Deodar	Cedrus deodara	11	14	12					
	Total		15	23	18	11	16	19	15	21
										0
										145

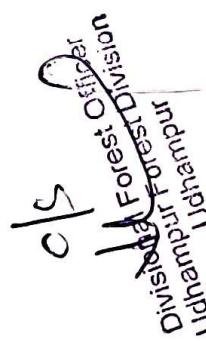
Certified that the trees/poles has been enumerated by u/s along with the concerned beat guard as per the spot nishandehi given by the representative of the user agency coming under the upgradation of Chenani Sudhmahadev road(re-alignment and dumping point no. 2) passing through the Co. 101b/D.


B.C. Faud

Block Forest Officer
Kud Block
Karlah-II


Beat Guard


John
B.C. Faud


Forest Officer
Divisional Forest Officer
Udhampur
Udhampur


John
B.C. Faud

16.

STATEMENT SHOWING DETAILS OF FOREST AREA PROPOSED FOR NON-FORESTRY USE FOR UPGRADATION OF CHENANI- SUDHMAHADEV ROAD (RE-ALIGNMENT AND DUMPING POINT NO.1 AND 2) PASSING THROUGH THR FOREST CO. 97a/D, 97b/D AND 101b/D.

S. No.	District	Division	Range	Comptt. No.	Forest Area proposed for diversion/upgradation (Ha)	Protected Area, if any (ha)	Remarks
1	2	3	4	5	6	7	8
1				97a/D	<p>1. Segment 1 R.D 2.620 KM to R.D 3.250 KM</p> <p>2. Segment 2 R.D 3.250 KM to R.D 3.450</p> <p>Total area</p>	<p>Length (in mtr) 630</p> <p>Width (in mtr) 30</p> <p>Total Area (in Ha) 1.89</p> <p>Nil</p>	Segment 1 and 2 re-alignment
2	Udhampur	Udhampur	Dduu	97b/D	Muck Dumping (D-1)	1.33	Nil
					Total Forest area of Co. 97a/D and 97b/D	3.70	Dumping point (D-1)
3	Udhampur	Udhampur		101b/D	<p>1. Segment 3 R.D 10.380 KM to R.D 10.430 Km</p> <p>2. Segment 4 R.D 10.430 KM to R.D 10.570 KM</p> <p>3. Muck Dumping (D-2)</p> <p>Total area</p>	<p>Length (in mtr) 50</p> <p>Width (in mtr) 30</p> <p>Total Area (in Ha) 0.15</p> <p>Nil</p>	Segment 3 and 4 re-alignment
						5.146 Ha	

Total forest area proposed for upgradation of road and dumping points

Certified that the forest area proposed for upgradation of Chenani- Sudhmahadev road (re-alignment and dumping point no.1 and 2) passing through thr forest Co. 97a/D, 97b/D and 101b/D has been calculated by the representative of user agency.

Chenani Forest Division
National Forest Division
Udhampur Jammu
Babu
Babu
Babu
Babu

M. A. S. S.
Block Forest Officer
Kud Block

M. A. S. S.
Block Forest Officer
Kud Block

M. A. S. S.
Block Forest Officer
Kud Block



National Highways & Infrastructure Development Corporation Ltd

(MINISTRY OF ROAD TRANSPORT & HIGHWAYS, GOVT. OF INDIA)

**"WIDENING AND UPGRADATION TO 2 LANE WITH PAVED SHOULDER CONFIGURATION
& GEOMETRIC IMPROVEMENT FROM KM 0.000 TO KM 16.990 ON CHENANI - SUDHMIAHAD
SECTION OF NH-244 IN THE STATE OF JAMMU & KASHMIR."**

Plan & Profile

Forest Additional Acquisition Area Proposal
January-2020

Authority Engineer:

TPF GETINSA EUROESTUDIOS, S. L.
in association with
 SEGMENTAL CONSULTING & INFRASTRUCTURE ADVISORY (P) Ltd (SCIA)

Submitted By

ECI - SRM PROJECTS

1A, HILL VIEW NEAR GOVT. HIGHER SECONDARY SCHOOL, BAHU FORT, JAMMU - 180006

Area Statement of

(Bridge Location Km- 2+250 to Km- 3+450)

S. No.	Particulars	Length (In meter)	Width (In meter)	Area (In Ha.)
1	Segment- 1_Realignment (RD 2.620 Km to RD 3.250 Km)	630	30	1.89
2	Segment- 2_Realignment (RD 3.250 Km to RD 3.450 Km)	200	24	0.48
3	Muck Dumping Site (D- 1)	Latitude- 33° 2'4.22"N	Longitude- 75°17'23.38"E	1.33
Forest Area in Ha.				3.70

Area Statement of

(Bridge Location Km- 10+100 to Km- 10+560)

4	Segment- 3_Realignment (RD 10.380 Km to RD 10.430 Km)	50	30	0.15
5	Segment- 4_Realignment (RD 10.430 Km to RD 10.570 Km)	140	14	0.196
6	Muck Dumping Site (D- 2)	Latitude- 33° 2'44.30"N	Longitude- 75°19'20.30"E	1.10
Forest Area in Ha.				1.446
Total Area Required for Forest Diversion (In Ha.)				5.146

19

	FOREST LAND
	DESIGN ALIGNMENT

Area Statement of (Bridge Location Km- 10+100 to Km- 10+560)						
4	Segment- 3 _Realignment (RD 10.380 Km to RD 10.430 Km)	50	30		0.15	
5	Segment- 4 _Realignment (RD 10.430 Km to RD 10.570 Km)	140	14		0.196	
6	Muck Dumping Site (D- 2)	Latitude- 33° 2'44.30"N	Longitude- 75°19'20.30"E		1.10	
		Forest Area in Ha.				1.446
						5.146

SEGMENT 3&4
10+380 KM TO 10+570 KM
0.346 HA

100

General Director (P)
N. H. D. C. L.
Philippines (P)

Crate wall

MUCK DUMPING Point-2
from 10+560km to 10+620km
Area-1,10 HA

Area Statement of (Bridge Location Km- 2+250 to Km- 3+450)				
No.	Particulars	Length (in meter)	Width (in meter)	Area (in Ha.)
1	Segment 1. Realignment (RD 2,620 Km to RD 3,250 Km)	630	30	1.89
2	Segment 2. Realignment (RD 3,250 Km to RD 3,450 Km)	200	24	0.48
3	Muck Dumping Site (D- 1)	Latitude- 33° 24' 22" N	Longitude- 75° 17' 23.38" E	1.33
	Forest Area in Ha.			3.70



MUCK DUMPING PONT-1
Design Chainage 3+320 KM TO 3+580 KM
AREA 1.33 HA

General Manager (P)
W.H.I.D.C.L.
P.M.U.-Akhnoor (J&G)

[Signature]

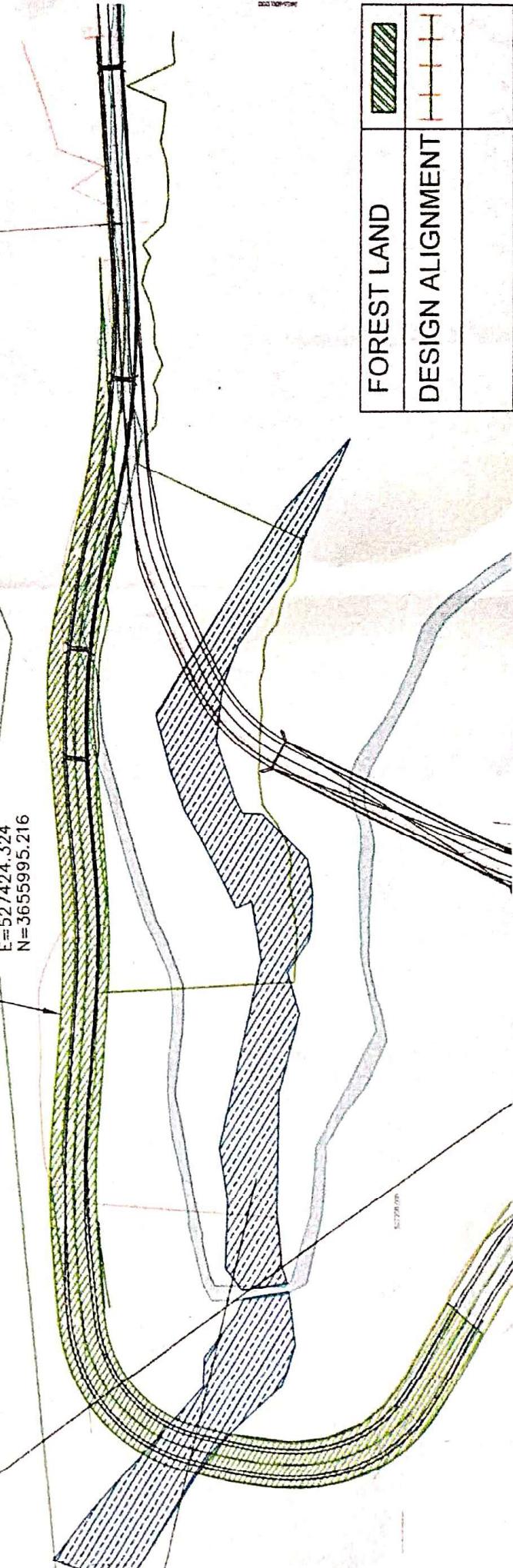
21 (A).

Area Statement of (Bridge Location Km-2+250 to Km- 3+450)				
S. No.	Particulars	Length (In meter)	Width (In meter)	Area (In Ha.)
1	Segment- 1 _ Realignment (RD 2.620 Km to RD 3.250 Km)	630	30	1.89
2	Segment- 2 _ Realignment (RD 3.250 Km to RD 3.450 Km)	200	24	0.48
3	Muck Dumping Site (D- 1)	Latitude- 33° 2'4.22"N	Longitude- 75°17'23.38"E	1.33
	Forest Area in Ha.			3.70

Shyampran
 General Manager (R)
 N.H.I.D.C.L.
 PMU-Akhnoor (J&K)

SEGMENT 1&2
 Location from 2+620km to 3+450km
 (Major Bridge-2 Realignment portion)
 • Bridge 2 Forest area Location
 Area-2.37 +HA
 $E=527424.324$
 $N=36555995.216$

Realignment End
3+450

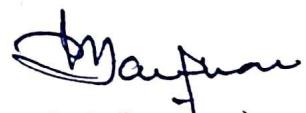


21(b).

CERTIFICATE

(MINIMUM DEMAND OF FOREST AREA)

Certified that all other alternative site for the proposed project have been explored and the Demand for the required identified Forest Land of **5.146 ha.** in the village Ancha, Margana, Chenani, Bashat, Chullyar of Tehsil Chenani, District- Udhampur and demand for realignment in the geometry as per the required geometry of NH specifications at two sections of alignment portion of this project road i.e. from Km- 2+250 to Km- 3+450 and from Km- 10+100 to Km- 10+560 where additional land is required to pass in the forest area in the Union Territory of Jammu & Kashmir is the barest minimum demand.



(S. P. S. Sangwan)
General Manager (P)
NHIDCL, PMU-Akhnoor
General Manager (P)
N.H.I.D.C.L.,
PMU-Akhnoor (J&K)

Counter Signed



Divisional Forest Officer
Udhampur Forest Division
Udhampur Forest Division
Udhampur J&K



GOVERNMENT OF JAMMU AND KASHMIR
OFFICE OF THE CHIEF CONSERVATOR OF FORESTS, JAMMU

(Forest Complex, Exchange Road, Dogra Hall) Ph. 0191 – 2547748, 2545400 Fax: 2562929, Email:ccfjammu1@gmail.com

Sub: Revised work programme of Compensatory Afforestation w.r.t Forest Clearance for "**Construction of Additional ROW Requirement for Development of Two Bridges located at Km 2+2.50 to Km 3+450 and Km 10+100 to Km 10+560 of Chenani-Sudhmahadev Road (NH-244)**" in Udhampur Forest Division.

Ref: CF East's No: 146-47/CFE/FCA Dated 20.05.2021.

ORDER

The revised work proposal for Compensatory Afforestation to be done in lieu of diversion of **5.146** hectare of forest land in Udhampur Forest Division for "**Construction of Additional ROW Requirement for Development of Two Bridges located at Km 2+2.50 to Km 3+450 and Km 10+100 to Km 10+560 of Chenani-Sudhmahadev Road (NH-244)**" by NHIDCL to the tune of Rs. 16.268 Lacs, prepared and submitted by the Divisional Forest Officer, Udhampur Forest Division, duly recommended by the CF East Circle, Jammu, is hereby approved / sanctioned, as per the details given below:-

Proposal No	Location	Area involved for diversion	Area of C.A Plan	Canopy Density	Spp. To be planted.
FP/JK/Road/47304/2020	87c/D (Nagulta Tandhar)	5.146 Ha	14.70 Ha	<30%	Indigenous species.

The approval / sanction is subject to the following conditions: -

- 1) All the terms and conditions as per the provisions of Forest Conservation Act 1980 w.r.t Compensatory Afforestation are complied with.
- 2) That the existing Forest Tariff Rate schedule shall be applicable.
- 3) That the DFO, Udhampur Division shall be the implementing agency for executing the CA Plan.


(K. Ramesh Kumar), IFS
Chief Conservator of Forests
Jammu

No: CCFJ/Plg/21-22/42/ 762 - 65

Dated: 22.05.2021.

Copy to: -

1. Pr. Chief Conservator of Forests (HoFF), J&K, Jammu for favour of information.
2. APCCF / Nodal Officer, FCA, O/o the PCCF J&K for favour of information.
3. CF, East Circle, Jammu.
4. DFO, Udhampur Forest Division for information and necessary action.

REVISED COMPENSATORY AFFORESTATION SCHEME

Full Title of the Forest Land Diversion Project	Upgradation of Chenani-Sudhmahadev road	
File No.	FP/JK/ROAD/47304/2020	
Date of Proposal	11-07-2020	
Name of the Forest Division (where forest land is proposed to be diverted)	Forest Division Udhampur	
Forest Area to be diverted	5.146 Ha	
Forest area to be planted	14.70 Ha	
No. of trees to be felled	284 Nos.	
No. of plants/poles could be damaged	524 Nos.	
No. of plants to be planted in the scheme	10300 Nos.	
Details of land where C.A. is to be carried out:		
• Degraded forest land (Yes/No)	: Yes	Area: 14.70 Ha.
• Non-forest land (Yes/ No)	: No	Area: NA
• Forest Division	Udhampur	
• District	Udhampur	
• Range	Dudu	
• Tehsil	Chenani	
• Compartment No.	87c/D	
• Khasra No. (in case of Non Forest land)	NA	
• C.A Site (Name of location)	Beat Nagulta Tandhar	
• C.A area in Hectare	14.70 Ha	
• C.A. Site Geo-Coordinates:		
Starting Point:	Latitude: 33° 0'58.64"N Longitude: 75°15'54.35"E	
Ending Point:	Latitude: 33° 0'50.34"N Longitude: 75°15'31.62"E	
• In case of non-forest area identified for CA, then what is the distance of C.A. site from the adjoining forest boundary	NA	

1. Description of C.A. Site

a) Soil Type	Clay
b) Topography: Hilly/ Undulating/ Plain	Hilly-Undulating
c) Slope: Steep/ Medium/ Gentle	Medium
d) For non forest land-description of existing vegetation/ root and density	NA
e) In case of degraded forest land- description of forest type and crown density	Sub-Tropical Hilly Forest
f) Crown Density	Less than 30%

2. Plantation Model:

Compensatory afforestation over an area of 14.70 Ha of degraded forest land is proposed to be raised. The area selected for this purpose is Co. 87c/D, Beat Nagulta Tandhar, which is a degraded forest area and has been proposed for CA. Presently the area supports scattered Chir (*Pinus roxburghii*). Whole of the plantation of 14.70 ha will be raised in a single compact block. The area identified for plantation has also been shown on the attached map. The species to be planted will be mainly Chir and local Mixed Broad leaved species. Total financial outlay for compensatory plantation scheme is Rs.16,26,752/- The monitoring will be done as per existing monitoring mechanism in the Forest Department at present and also as per G.O.I instructions.

S. No.	Description				Rate	Total Amount (In Rs.)
	Afforestation work		Unit			
A 1 st year advance work	Raising of poly bag plants	No	10300	8.03		82,709
A 2 nd year	Plantation and maintenance of poly bag plants		10300	32	3,29,600	
	Raising of poly bag plants		2575	8.03	20,677	
	Plantation and maintenance of poly bag plants		2575	32	82,400	
	Raising of poly bag plants		1030	8.03	8,271	
	Plantation and maintenance of poly bag plants		1030	32	32,960	
	Raising of poly bag plants		515	8.03	4,135	
	Plantation and maintenance of poly bag plants		515	32	16,480	
	Raising of poly bag plants		515	8.03	4,135	
	Plantation and maintenance of poly bag plants		515	32	16,480	
	Raising of poly bag plants		515	8.03	4,135	
	Plantation and maintenance of poly bag plants		515	32	16,480	
	Raising of poly bag plants		515	8.03	4,135	
	Plantation and maintenance of poly bag plants		515	32	16,480	
	Raising of poly bag plants		515	8.03	4,135	
					Total	6,80,307
B	Other afforestation Intervention (As per the requirement of the site condition)					
1	Patch sowing	No	3000	6.99	20,970	
2	Planting of grass slips	No	3000	6.35	19,050	
				Total	40,020	
C	Fencing					
1	Square PCC Post Fencing (7 Strand) (Advance work 1 st year)	Rft	6400	105	6,72,000	
2	Fencing Repair	Rft	3200	16.74	53,568	
				Total	7,25,568	
D	Site Preparation: (Cutting, Grubbing and removal of Lantana)	Ha	0	0	0.00	
E	Pruning & Tending of Existing Root Stocks	No	0	0	0.00	
				Total C.A. Charges	14,45,895	
F	Soil & water conservation and protection measures like construction of fire lines and inspection paths (DRSM)					
1	Soil & water conservation measures (DRSM)	Cum	30	1099	32,970	
				Total	32,970	
	Total (A+B+C+D+E+F)				14,78,865	
G	Supervisory/ overhead / misc Charges (10% of C.A charges)				1,47,887	
				Grand Total (A+B+C+D+E+F+G)	16,26,752	

The Afforestation cost is calculated as per the **JAMMU & KASHMIR FOREST RATE SCHEDULE TARIFF' 2017**.

I. **Technical Details:** Technical details of Compensatory Afforestation Scheme are as follows:

- i) General Details : Co. 87c/D, Block: Gharrian, Beat: Nagulta Tandhar
- ii) Plantation Method : Pit Plantation
- iii) Species proposed to be planted : Chir/ Mixed Broad leaved (Local)
- iv) Soil & Moisture Conservation Works : -
- v) Protection: : (Fencing, Watch & Ward, People's Participation etc)
- vi) Proposed Monitoring Mechanism : As per existing Standard mechanism of the Department
- vii) Any other information : Nil

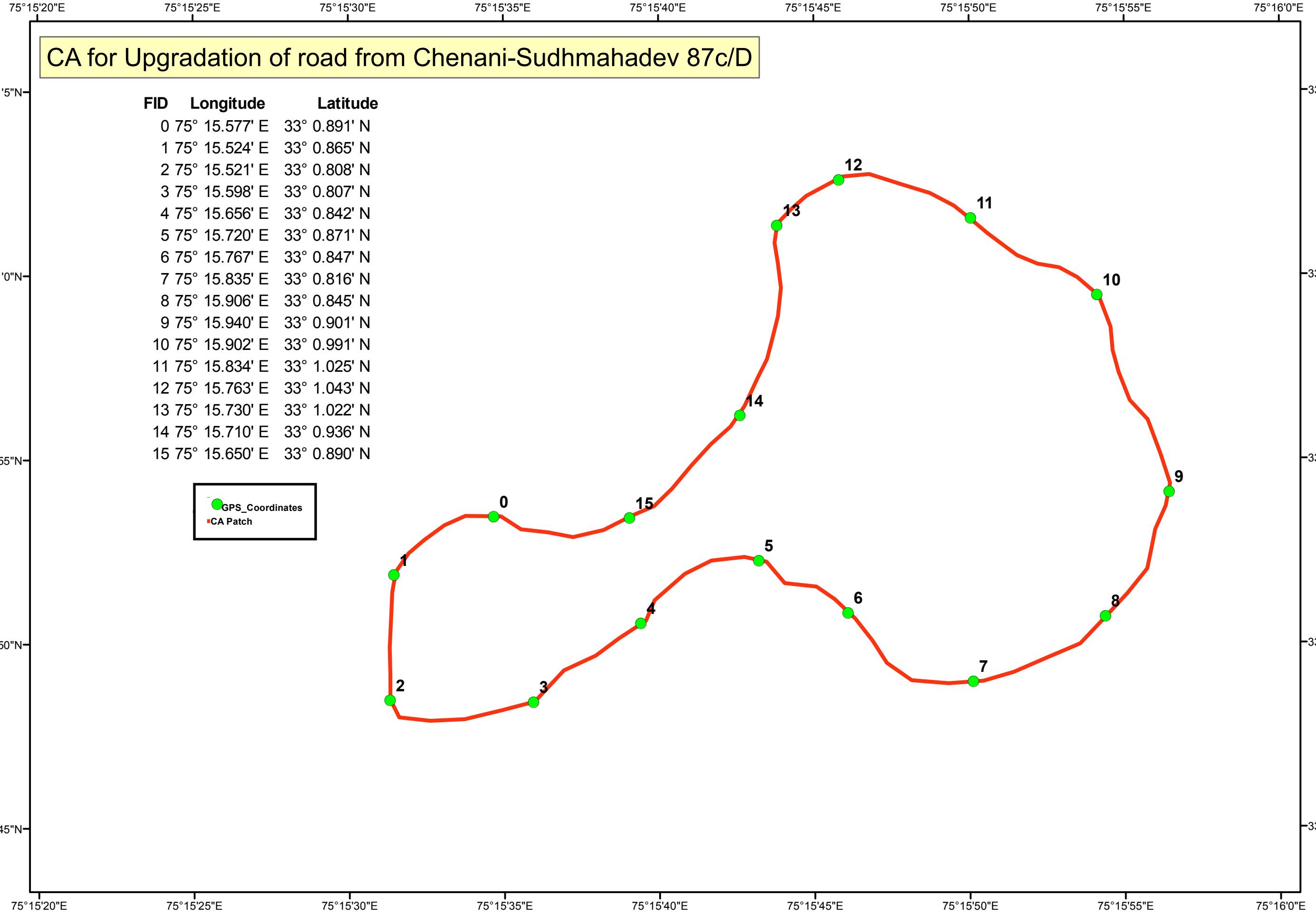
*Dinesh Sharma
B.O Gharrian*

*Attest
9/11/2018
My
Ranjan*

Georeference CA Map

GT Sheet No 43 O/8

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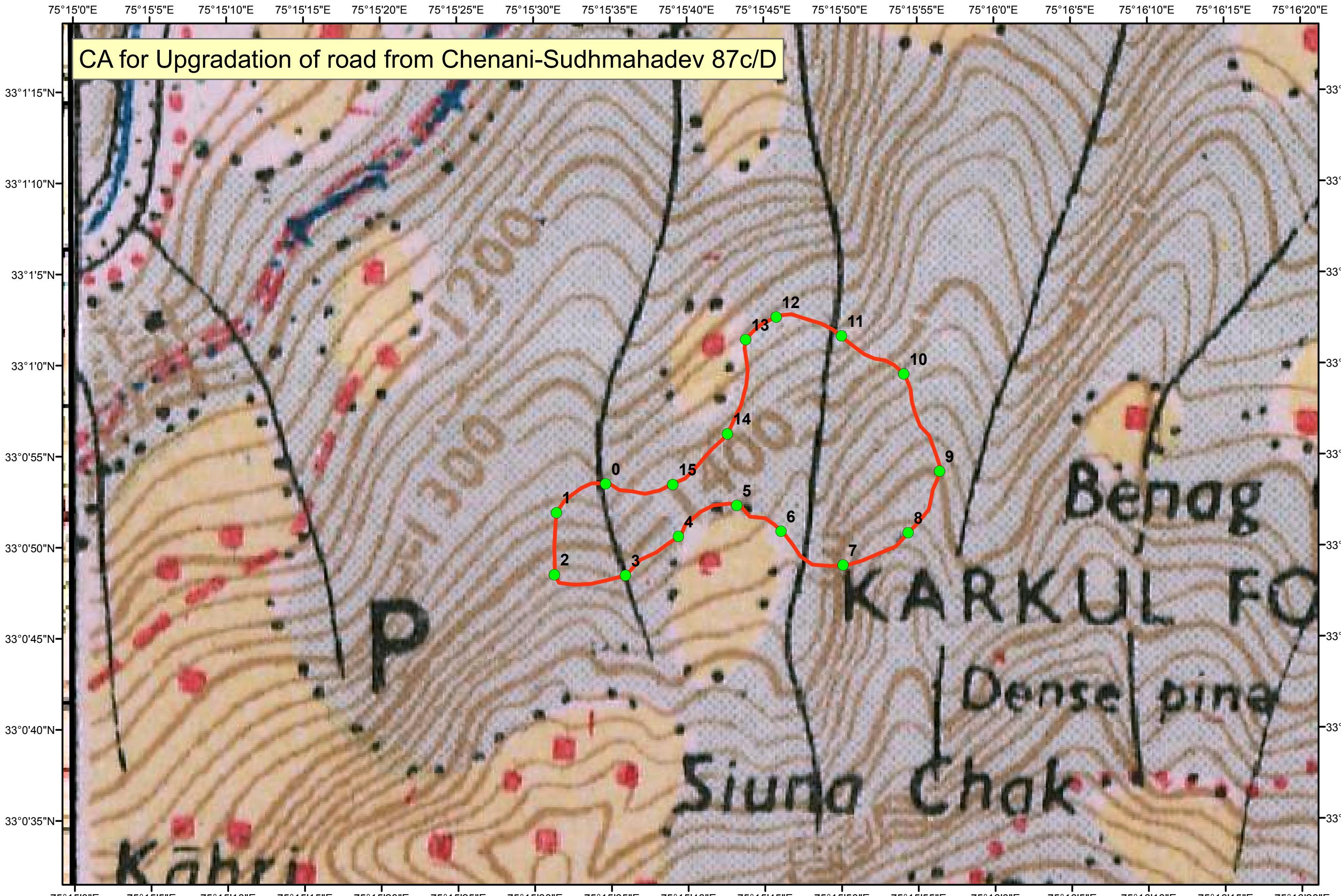


SOI CA Map

GT Sheet No 43 O/8

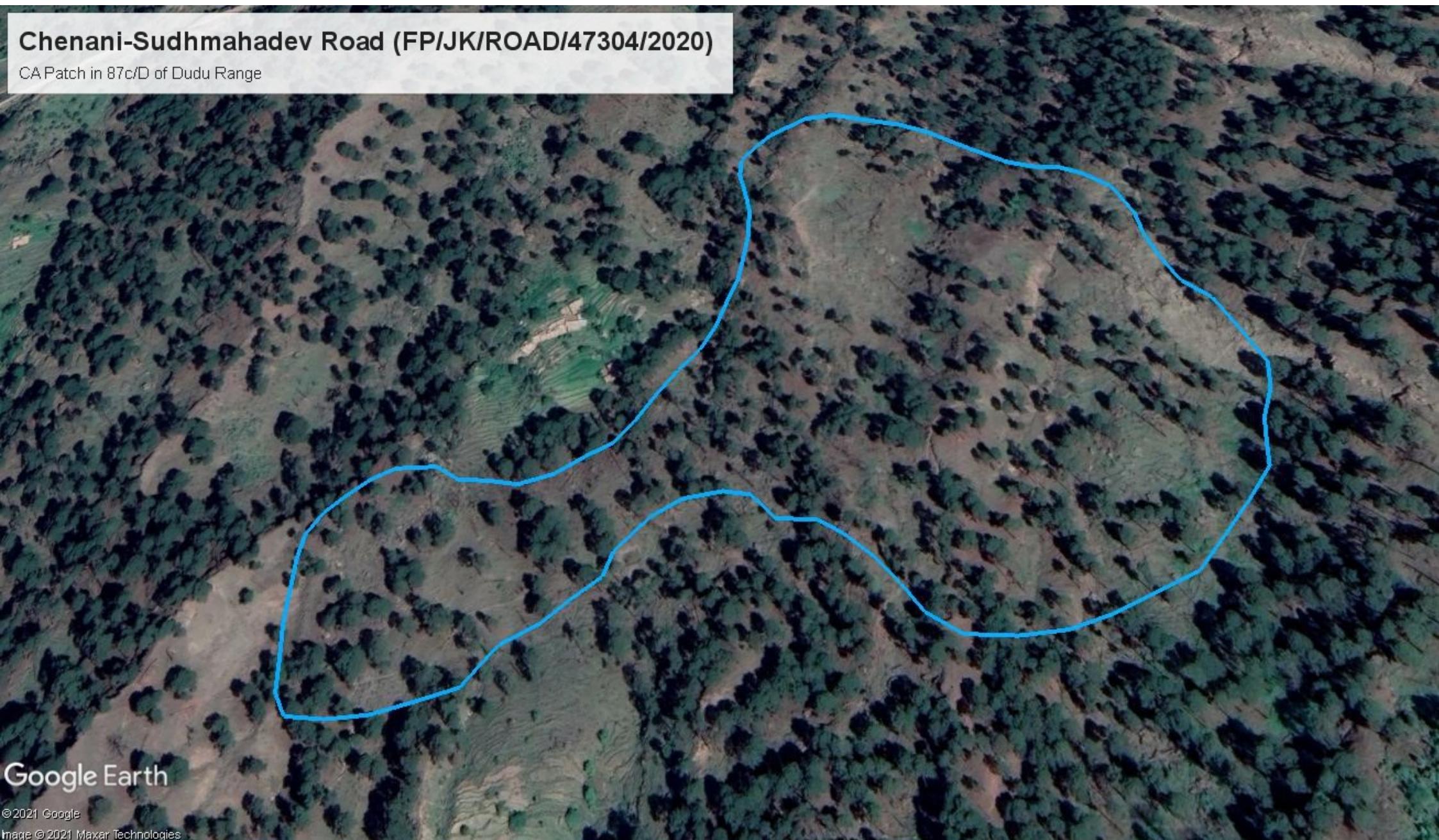


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Chenani-Sudhmahadev Road (FP/JK/ROAD/47304/2020)

CA Patch in 87c/D of Dudu Range



Google Earth

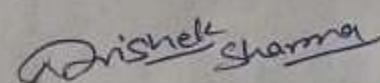
©2021 Google

Image © 2021 Maxar Technologies

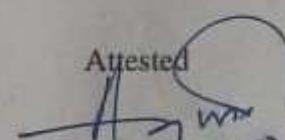
**UPGRADATION OF CHENANI- SUDHMAHADEV ROAD (RE-ALIGNMENT AND DUMPING POINT
(2 NO.) PASSING THROUGH THE FOREST LAND Co. 97a/D, 97b/D and 101b/D.**

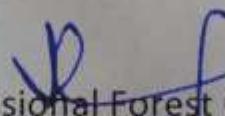
LAND SUITABILITY CERTIFICATE

This is to certify that 14.70 Hact. of forest land in Protected (Demarcated) Forest, Compartment – 87c/D, Forest Beat – Nagulta Tandhar, Block – Gharrian, Range – Dudu Forest Range of Udhampur Forest Division, Tehsil Chenani, District Udhampur identified for Compensatory Afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.



Block Forest Officer
Gharrian Block

Attested

Range Forest Officer
Dudu-HQ Chenani


Divisional Forest Officer
Udhampur Forest Division
Udhampur

Abstract

S. No.	Particulars	Amount (In Lakh)
1	Compensatory Afforestation	16.26752
2	Net Present Value (NPV)	43.48370
3	Extraction & Transportation Charges	15.20027
4	Re-establishment of CAMPA Closure (established during 2011-12) in Co. 97a/D coming under proposed alignment	1.38282
	Total :	76.33431

Proposal for reestablishment of CAMPA closure(established during the year 2011-12) in Co. 97a/D which is coming under the re-alignment of Chenani-Sudhmahadev road.

S.No	Detail of work	Qty	Rate	Amount
1.	4 strand B.A wire fencing	1900 rft	@72.78/rft	1,38,282-
	Total			
	Rs. 1,38,282			

Certified that the estimate has been prepared as per the forest tariff rate.

3ay
Beat Guard
Margena

Block Forest Officer
Kud Block

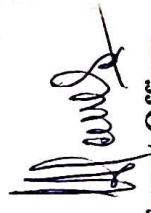
4th
Divisional Forest Officer
Udhampur Forest Division
Udhampur

**CALCULATION SHEET OF NET PRESENT VALUE OF FOREST AREA PROPOSED FOR
NON-FORESTRY USE FOR UPGRADATION OF CHENANI- SUDHMAHADEV ROAD (RE-
ALIGNMENT AND DUMPING POINT NO.1 AND 2) PASSING THROUGH THE FOREST
CO. 97a/D, 97b/D AND 101b/D**

S. No.	Division	Comptt. No.	Forest Area (Ha)	Canopy Density	Eco-Class	NPV Rate (Lac Rs./ha)	NPV Amount (Rs. In Lacs)
1	2	3	4	5	6	7	8
1.	Udhampur	97a/D For road re-alignment	2.37 Ha	Dense Forest	V	8.45	20,02,650/-
2.	Udhampur	97b/D For dumping (D-1)	1.33 Ha	Dense Forest	V	8.45	11,23,850/-
3.	Udhampur	101b/D For road re-alignment	0.346 Ha	Dense Forest	V	8.45	2,92,370/-
4.	Udhampur	101b/D For dumping (D-2)	1.10 Ha	Dense Forest	V	8.45	9,29,500/-
Total			5.146 Ha			8.45	Rs. 43,48,370/-

Udhampur Forest Division
District Forest Officer
J&K
Date: 22/03/2024

Govind
Bed Guard
Mangro


Block Forest Officer
Kud Block


Block Forest Officer
Kud Block

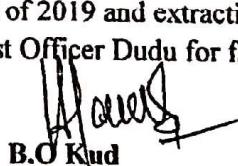
Detailed estimate for extraction of timber and firewood in Co. Co. 97a/D, 97b/D and 101b/D out of enumerated trees coming under the upgradation of Chenani-Sudhmahadev road (re-alignment and dumping point no.1 and 2)

S.No	Activities/Norms	Volume		Normal Rate	Distance	Total Rate	Amount
		Stand.	Sawn				
1.	Felling 100%	29319.5	-	3.82	-	3.82	1,12,000
2.	Hand sawing		14671	57.84	-	57.84	8,48,570
3.	Handling charges after sawing		14671	0.62/cft/chain	2 Chains	1.24	18,192
4.	Minor related activities after sawing		14671	0.94/cft	-	0.94	13,790
5.	Head load carriage from forest to KLP (avg.)		14671	0.62/cft/chain	10 Chains	6.2	90,960
6.	Stacking		14671	0.88/cft	-	0.88	12,910
7.	Road transportation upto Jammu		14671				
	a. Kaccha road		14671	0.25/cft/Km	7 KM	1.75	25,674
	b. Pakka road		14671	0.19/cft	100 KM	19	2,78,749
	c. Loading charges 1.65/cft		14671	1.65/cft	-	1.65	24,207
A	Total						14,25,052
8.	Firewood Extraction						
	a. Expected Firewood Extraction		500 Qtl.(approx.)	127.05	-	127.05	63,525
	b. Head load from forest to loading point		500 Qtl.(approx.)			L/S	20,000
	c. Mechanical transportation of firewood upto Udhampur		500 Qtl.(approx.)	1.90/Qtl/KM	31 KM	58.9	29,450
B	Total						94,975
	Total(A+B)						15,20,027

Sawn volume = 14671 cft and firewood 500 Qtl (Approx.)

G.Total = Rs. 15,20,027/-

Certified that the estimate for extraction of timber has been prepared as per SFC rates of 2019 and extraction of firewood has been prepared as per forest rate of 2016-17 and submitte to Range Forest Officer Dudu for favour of information and necessary action.


B.O Kud

Attested and submitted to worthy DFO Udhampur for favour of Check and sanction please.


Divisional Forest Officer
Udhampur Forest Division
Udhampur


Range Forest Officer
Dudu HQ- Chenani

Full Title of the Project: - Additional Right of Way (ROW) Requirement for Development of Two Bridges Located at Km- 2+250 to Km- 3+350 and Km- 10+100 to Km- 10+ 560 or Chenani- Sudhmahadev Road (NH-244).

File No:-

Date of Proposal:-

Undertaking for Payment of Cost of Compensatory Afforestation

I Surajpal Singh Sangwan hereby undertake to pay the entire amount for compensatory afforestation in lieu of the forest area diverted for Additional Right of Way (ROW) Requirement for Development of Two Bridges Located at Km- 2+250 to Km- 3+350 and Km- 10+100 to Km- 10+ 560 or Chenani- Sudhmahadev Road (NH-244) as per the prevailing wage rates at the time of plantations.



(S.P.S Sagwan)

General Manager (P)

NHIDCL, PMU-Akhnoor

General Manager (P)

N.H.I.D.C.L.,

PMU-Akhnoor (J&K)

Place: JAMMU
Date: 21 / 01 / 2021

Countersigned



(Divisional Forest Officer)
Divisional Forest Officer
Udhampur Forest Division
Udhampur

Full Title of the Project: - Additional Right of Way (ROW) Requirement for Development of Two Bridges Located at Km- 2+250 to Km- 3+350 and Km- 10+100 to Km- 10+ 560 or Chenani- Sudhmahadev Road (NH-244).

File No:-

Date of Proposal:-

Undertaking for Payment of Net Present value of Forest Area.

It is to certify that I Surajpal Singh Sangwan have applied for diversion of 5.146 ha. Of forest area for the proposal of Additional Right of Way (ROW) Requirement for Development of Two Bridges Located at Km- 2+250 to Km- 3+350 and Km- 10+100 to Km- 10+ 560 or Chenani- Sudhmahadev Road (NH-244). I, hereby undertake to pay the net present value (NPV) of the above forest land. I also hereby undertake to pay the additional amount of NPV, if so determined as per the decision of the Supreme Court, at a later date.



(S.P.S Sagwan)
General Manager (P)
NHIDCL, PMU-Akhnoor
General Manager (P)
N.H.I.D.C.L.,
PMU-Akhnoor (J&K)

Place: Jammu
Date: 21 / 01 / 2021

Countersigned



Forest Officer
(Divisional Forest Officer)
Udhampur Forest Division

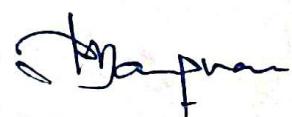
COST BENEFIT ANALYSIS

Project Name:- Additional Right of Way (ROW) Requirement for Development of Two Bridges Located at Km- 2+250 to Km- 3+350 and Km- 10+100 to Km- 10+ 560 or Chenani- Sudhmahadev Road (NH-244).

Purpose: This cost benefit analysis is being undertaken for proposed diversion of Forest Land (5.146 ha.) being affected due to Construction of Chenani-Sudhmahadev road NH-244 in the Union Territory of Jammu & Kashmir.

Table A: Cases under which cost benefit analysis for Forest diversion Required

S. No.	Nature of Proposal	Applicable /Not Applicable	Remark
1	All categories of proposals involving forest land upto 20 hectares in plains upto 5 hectare in hills	Not applicable	These proposals may be considered on a case to case basis and value judgment
2	Proposal for defense installation purposes and oil prospecting (prospecting only)	Not applicable	In view of national priority accorded to these sectors, the proposals would be critically assessed to help ascertain that the utmost minimum forest land is diverted for non forest use.
3	Habitation, establishment of industrial units, tourist lodges complex and other building construction	Not applicable	These activities being detrimental to protection and conservation of forest , as a matter of policy, such proposals would be rarely entertained
4	All other proposals involving forestland more than 20 hectares in plains and more than 5 hectares in hills including roads, transmission lines, minor, medium and major irrigation project, hydro project mining activity, railway lines, location specific installation like micro wave station, auto repeater centers, TV tower etc.	Applicable	These are cases where a cost benefit analysis is necessary to determine when diverting the forest land to non-forest use in the overall strategic point of view and public interest.



(S. P. S. Sangwan)
General Manager (P)
NHIDCL, PMU-Akhnoor
General Manager (P)
N.H.I.D.C.L.,
PMU-Akhnoor (J&K)

Table B : Estimation of cost of forest diversion

S.No.	Parameters	Cost	REMARK
1	Ecosystem services losses due to proposed forest diversion	NPV of the forest land which is being diverted i.e. Forest Land= 5.146 ha. X 8.45 lac = Rs. 43.48370 Lac Total cost = Rs. 43.48370Lac, Say 43.48 Lac	Cost has been decided as per norms of state govt. and will be paid by user agency.
2	Loss of animal husbandry productivity including loss of fodder	NIL Productivity of livestock will not be affected due to construction and widening of existing highway. This road is also a strategic road connecting Line of Control with Indo-Pak border. Therefore Loss of animal husbandry productivity including loss of fodder will also be nil.	
3	Cost of human resettlement	Nil No, as are is not habitat hence, there is no displacement of any oust sees in the project & therefore there would be no resettlement.	
4	Loss of public facilities and administrative infrastructure (Road, building, school, dispensaries, electric lines, railways, etc) on forest land which would require forest land if these facilities were diverted due to the project.	Nil As existing road is being widened with new construction in bypasses and tunnel with double lane specifications.	
5	Possession value of forest land diverted	Nil	
6	Cost of suffering to outees	Nil Loss of house/Habitat/Structure is NIL, hence not applicable.	
7	Habitat Fragmentation cost	Nil	
8	Compensatory afforestation and soil & moisture conservation cost	Compensatory Afforestation cost 9.43 lac (Approx 1.83 lac/ha.) Soil and moisture conservation cost included in Compensatory	

	Afforestation cost.	
Total Loss (Against the proposed forest land diversion)	Rs:- 52.92 Lacs	



(S. P. S. Sangwan)
 General Manager (P)
 NHIDCL, PMU-Akhnoor

General Manager (P)
 N.H.I.D.C.L.,
 PMU-Akhnoor (J&K)

Table C: Existing Guidelines for estimating benefits of Forest Diversion

S.N.	Parameters	Descriptions
1	Increase in productivity attribute to the specific project.	National Highways & Infrastructure Development Corporation Ltd. (NHIDCL) a PSU under Ministry of Road Transport and Highways, Govt. of India has been entrusted with the working of widening and upgradation to 2 lane with paved shoulder configuration and geometric improvement on Chenani - Sudhmahadev Section of NH- 244 in the UT of Jammu & Kashmir. There is requirement of realignment in the geometry as per the required geometry of NH specifications at two sections of alignment portion of this project road i.e. from Km- 2+250 to Km- 3+450 and from Km- 10+100 to Km- 10+560 where additional land is required to pass through forest area. Hence development of this road will increase productivity of the local population. Project cost Rs. 15504 lac i.e. 155.04 crores (approx) for 20 years.
2	Benefits to economy due to the specific project.	As stated in Sl. 1 above development of the road will facilitate economic growth of the area. Directly it will be 438 lac(4.38 crore) and many more in after completion of project as per feasibility report. It will help in trade and as an alternate route to Kashmir Valley via Doda and Kishtwar districts as well as local development of remote areas.
3	No. of population benefited due to specific project.	Development of road is going to benefit the population @ 6.00 lac approx of Udhampur, Doda and Kishtwar district as well as huge local and villagers of remote area.
4	Economic benefits due to direct and indirect employment due to the project.	<p>During the development stage employment will be generated for skilled and unskilled manpower for a period of 24 months.</p> <p>Man-days- 360000 (Approx)</p> <p>Rs. 400/- Per Man-day</p> <p>Total Amount= 1440 lac(14.40 crore)</p> <p>Employment generated during operational life of 50 years for 30 Man-days per Day</p> <p>Man-days- 547500</p> <p>Rs. 700/- Per Man-day (Approx)</p> <p>Total Amount= 3832 lac (38.325 crore)</p>
5	Economic benefits due to Compensatory afforestation.	Compensatory Afforestation for 5.146 ha. of degraded forest land @ 3.50 lac/ha. for 50 Years (as per Guideline issued by MoEF vide letter No. 5-3/2007-FC/ Dated 05.02.2009) =

		Rs. 18.011 lac
Total		Rs. 21232.011 lac (212.32 Crore)

C. Cost Benfit Ration i.e. Project Benefit/Forest loss = $21232/52.92 = 401:1$

Hence the project has very high benefit to the country as compared to forest loss. **The benefit to loss ratio is approximate 401 times.**



(S. P. S. Sangwan)
General Manager (P)
NHIDCL, PMU-Akhnoor

General Manager (P)
N.H.I.D.C.L.,
PMU-Akhnoor (J&K)

UPGRADATION OF CHENANI- SUDHMAHADEV ROAD (RE-ALIGNMENT AND DUMPING POINT (2 NO.) PASSING THROUGH THE FOREST LAND Co. 97a/D, 97b/D and 101b/D.

Site inspection report

A proposal has been received by this office from NHIDCL, for diversion (under section 2 of FCA-1980) of 5.146 Hectare of forest land for non-forestry purpose. The site inspection of the land involved in the proposal has been done by me on dated 7.8.2020 & 11.9.2020

- On inspection of the site, it is found that the land required by the user agency is a forest area measuring 5.146 Hectare.
- The requirement of forest land as proposed by the user agency in Col-2 of Part-I is unavoidable and is barest minimum required for the project.
- The user agency has not violated the provision of Forest (Conservation) Act., 1980 and no work has been started without proper sanction.

Recommended for acceptance, please

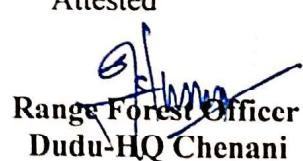


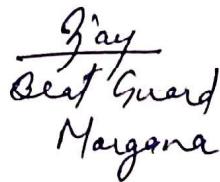
Site Engineer
NHIDCL

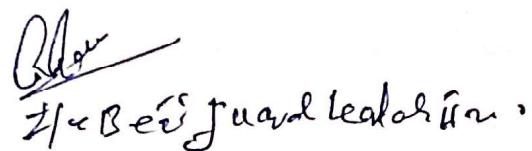


Block Forest Officer
Kud Block

Attested


Range Forest Officer
Dudu-HQ Chenani


Beat Guard
Margana


Beat Guard
Margana


Divisional Forest Officer
Udhampur Forest Division
Udhampur

Muck Disposal Plan for Additional ROW requirement for Development of Two Bridges located at Km- 2+250 to Km- 3+450 and Km- 10+100 to Km- 10+560 of Chenani - Sudhmahadev Road (NH- 244)

Brief History

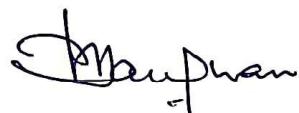
1. National Highways & Infrastructure Development Corporation Ltd. (NHIDCL) a PSU under Ministry of Road Transport and Highways, Govt. of India has been entrusted with the working of widening and up-gradation to 2 lane with paved shoulder configuration and geometric improvement on Chenani - Sudhmahadev Section of NH- 244 in the UT of Jammu & Kashmir.
2. There is requirement of realignment in the geometry as per the required geometry of NH specifications at two sections of alignment portion of this project road i.e. from Km- 2+250 to Km- 3+450 and from Km- 10+100 to Km- 10+560 where additional land is required to pass through forest area.

Muck Disposal Plan for Muck Dumping Site- 1

Approximately **60,000 cum** of muck has to be disposed off for the proposed additional ROW requirement for realignment the project road i.e. from Km- 2+250 to Km- 3+450. In this quantity of muck approx **28,000 cum** of muck will be used for embankment filling and raising the level of the abutment and wings wall of the bridge and rest approx **32,000 cum** of muck will be disposed off at **Muck Point- 1** for which an area of **1.33 Ha.** has been proposed. Gabion wall structure will be constructed at the border of proposed muck dumping site so that it cannot be spread in other areas.

Muck Disposal Plan for Muck Dumping Site- 2

Approximately **50,000 cum** of muck has to be disposed off for the proposed additional ROW requirement for realignment the project road i.e. from Km- 10+100 to 10+560. In this quantity of muck approx **20,000 cum** of muck will be used for embankment filling and raising the level of the abutment and wings wall of the bridge and rest approx **30,000 cum** of muck will be disposed off at **Muck Point- 2** for which an area of **1.10 Ha.** has been proposed. Gabion wall structure will be constructed at the border of proposed muck dumping site so that it cannot be spread in other areas.



(S. P. S. Sangwan)
General Manager (P)
NHIDCL, PMU-

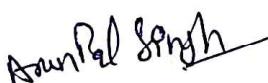
Akhnoor
General Manager (P)
N.H.I.D.C.L.,
PMU-Akhnoor (J&K)

UPGRADATION OF CHENANI- SUDHMAHADEV ROAD (RE-ALIGNMENT AND DUMPING POINT (2 NO.) PASSING THROUGH THE FOREST LAND Co. 97a/D, 97b/D and 101b/D.

Justification / Recommendation.

The diversion of the land is required by the user agency for the upgradation of CHENANI- SUDHMAHADEV road (re-alignment and dumping point (2 no.) passing through the forest land Co. 97a/D, 97b/D and 101b/D. (5.146 Hectare). The widening of the road will benefit the villagers adjoining to the road.

Therefore, the project regarding diversion of the land for widening of Chenani-Sudhmahadev road, justifies in the interest of the general public.


Amanpal Singh
Site Engineer
NHIDCL


Hanu
Block Forest Officer
Kud Block

Attested


Range Forest Officer
Dudu-HQ Chenani


Jay
Beat Guard
Majgona


Bhaw
Beat Guard Leader


Divisional Forest Officer
Udhampur Forest Division
Udhampur

CERTIFICATE

(NO VIOLATION OF FOREST [CONSERVATION] ACT, 1980 / GUIDELINE UNDER IT -
CERTIFICATE OF PROJECT AUTHORITY)

This is to certify that no work has started in Forest Land village Ancha, Margana, Chenani, Bashat, Chullyar of Tehsil Chenani, District- Udhampur for the realignment in the geometry as per the required geometry of NH specifications at two sections of alignment portion of this project road i.e. from Km- 2+250 to Km- 3+450 and from Km- 10+100 to Km- 10+560 where additional land is required to pass in the forest area in the Union Territory of Jammu & Kashmir.

This is also to be certified that the provisions of Forest Conservation Act, 1980 and Guidelines under has not been violated for the realignment in the geometry as per the required geometry of NH specifications at two sections of alignment portion of this project road i.e. from Km- 2+250 to Km- 3+450 and from Km- 10+100 to Km- 10+560 where additional land is required to pass in the forest area in the Union Territory of Jammu & Kashmir at village Ancha, Margana, Chenani, Bashat, Chullyar of Tehsil Chenani, District- Udhampur.


 (S. P. S. Sangwan)
 General Manager (P)
 NHIDCL, PMU-Akhnoor

General Manager (P)
N.H.I.D.C.L.,
PMU-Akhnoor (J&K)