

Abstract of proposed Dumping site for rehabilitation and upgradation padhar to bijani of NH - 20 road (New - 154) of Pathankot-Mandi section in favour of NHAI, PIU Palampur H.P in Tandu Beat, Drang Block, Drang Forest Range, Mandi Forest Division

Sr. No	Botanical Name	Local Name	V	IV	III	IIA	IIB	IA	IB	Total	Rate	Amount
1	Pinus Roxburghi	Chil Spp.	29	34	14	-	-	-	-	77	-	-
			0.04	0.14	0.42	-	-	-	-	-	-	-
			1.16	4.76	5.88	-	-	-	-	11.8	41976	495317
		G.Total =	29	34	14	-	-	-	-	77	-	-
			1.16	4.76	5.88	-	-	-	-	11.8	-	495317

Pinus Roxburghi
46 Tandu

Palwari
O/o. CALA-cum-S.D.O.(C)
NH-20 Sadar, Mandi (H.P.)

Kanungo
O/o. CALA-cum-S.D.O.(C)
NH-20 Sadar, Mandi (H.P.)

Drang
Range Forest Officer
Drang Forest Range
Drang (H.P.)

Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)

DIVERSION OF 19.5896 HA. FOREST LAND FOR REHABILITATION AND UPGRADATION TO TWO LANE WITH PAVED SHOULDER CONFIGURATION & STRENGTHENING OF PADHAR TO BIJNI (PACKAGE-VA) FROM KM 180.00 TO KM 202.815 (DESIGN LENGTH 19.050 KM) OF NH-20 (NEW NH-154) OF PATHANKOT(NEW NH-154) OF PATHANKOT-MANDI SECTION IN THE STATE OF HIMACHAL PRADESH.

RECLAMATION PLAN FOR MUCK DUMPING

Name Of Work:- DIVERSION OF 19.5896 HA. FOREST LAND FOR REHABILITATION AND UPGRADATION TO TWO LANE WITH PAVED SHOULDER CONFIGURATION & STRENGTHENING

After leveling, dumping site will be rehabilitated by planting OBL plants. The reclamation plan for the dumping sites is

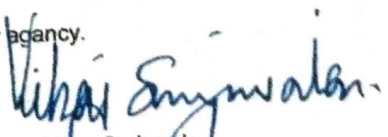
prepared as under :-

Year	Area in Hect.		Rate/ Hect.	Total Amount
0th year (Plantation Fencing)	4.2002	Hect.	60150.00	252642.00
1st year Maint.	4.2002	Hect.	6350.00	26671.00
2nd year Maint.	4.2002	Hect.	4300.00	18061.00
3rd year Maint.	4.2002	Hect.	2250.00	9450.00
4th year Maint.	4.2002	Hect.	2250.00	9450.00
5th year Maint.	4.2002	Hect.	2250.00	9450.00
6th year Maint.	4.2002	Hect.	2250.00	9450.00
7th year Maint.	4.2002	Hect.	2250.00	9450.00
8th year Maint.	4.2002	Hect.	2250.00	9450.00
9th year Maint.	4.2002	Hect.	2250.00	9450.00
10th year Maint.	4.2002	Hect.	2250.00	9450.00
Total C.A. Scheme				372974.00
Departmental charges @17.5%				65270.00
Contingency Charges @5%				18649.00
Total				456893.00
GST for the cost of F/Post 1491 @18%				13609.00
NSY cost for plants 91 @23/-				106260.00
Grand Total :-				576762.00

Muck Dumping Certificate :-

It is also certified that the said area will be developed by user agency.


Deputy Conservator of Forests
 Mandi Forest Division, Mandi (H.P.)


Vikas Surjewala
 Project Director / विकास सुरजेवाला
 Project Director / परियोजना निदेशक
 NHAI - Palampur
 PIU Palampur (HP) / पंकज-ई-पालापुर (हि.प्र.)

NAME OF WORK/ PROPOSAL :- DIVERSION OF 19.5896 HA. FOREST LAND FOR REHABILITATION AND UPGRADATION TO TWO LANE WITH PAVED SHOULDER CONFIGURATION & STRENGTHENING OF PADHAR TO BLINI (PACKAGE-VA) FROM KM 180.00 TO KM 202.815 (DESIGN LENGTH 19.050 KM) OF NH-20 (NEW NH-154) OF PATHANKOT(NEW NH-154) OF PATHANKOT-MANDI SECTION IN THE STATE OF HIMACHAL PRADESH.


File No: FP/HP/ROAD/154466/2022

Date of Proposal:- 05-July-2022

UNDERTAKING TO SUBMIT PLANTATION MODEL

It is submitted that the component of plantation model has not been taken in the phase -I of the project. The same will be taken into account in the Phase - II of the project. Hence, I, Project Director National Highway Authority of India (Ministry of Road Transport and Highways) PIU- Palampur, do hereby, furnish undertaking to submit Plantation Model regarding "plantation of site specific plant species, plant species which have capacity of the absorptions of CO2 and other pollutants to be planted along the PRow as per guidelines of MoEF& CC vide letter no.FC-11/39/2020-FC dated 08.09.2021" while applying for Stage-II approval.


Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)


Vikas Surjewala / विकास सुरजेवाला
Project Director / परियोजना निदेशक
NHAI / भा.रा.रा.प्र.ा.
PIU Palampur (HP) / पंका०ई०-पालमपुर (हि०प्र०)

NAME OF WORK/ PROPOSAL :- DIVERSION OF 19.5896 HA. FOREST LAND FOR REHABILITATION AND UPGRADATION TO TWO LANE WITH PAVED SHOULDER CONFIGURATION & STRENGTHENING OF PADHAR TO BLINI (PACKAGE-VA) FROM KM 180.00 TO KM 202.815 (DESIGN LENGTH 19.050 KM) OF NH-20 (NEW NH-154) OF PATHANKOT(NEW NH-154) OF PATHANKOT-MANDI SECTION IN THE STATE OF HIMACHAL PRADESH.

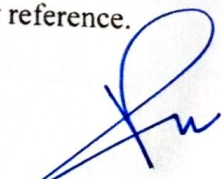
File No: FP/HP/ROAD/154466/2022

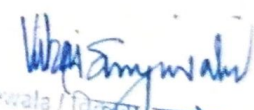
Date of Proposal:- 05-July-2022

DETAIL REPORT OF ERoW

As per the observation raised in the letter No.I/47162/202 dated: 23-06-2023 received from O/o Integrated Regional Office ,Ministry of Environment, Forest and Climate Change ,CGO Complex, Shivalik Khand, Longwood Shimla, Himachal Pradesh – 171001, at Point no. 7, where in detail and status of Land of ERoW is required to be submitted. It is informed that the Existing N-H is an old road and has been constructed before 1960. The Road is clearly marked on Topo-Sheet of SOI. And as per revenue record the land of ERoW is in the Possession of NHAI. Hence while calculating the Area of Diversion of the Proposal, the land of ERoW have not been included in the calculation of total diversion in the present proposal.

The details of the Revenue record of Land of ERoW which is falling in the current proposal is be submitted for reference.


Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)


Vikas Surjewala / विकस सुरजेवाला
Project Director / परियोजना निदेशक
NHAI / भारतांतराष्ट्र
PIO Palampur (HP) / पंकाई-पालमपुर (हि.प्र.)

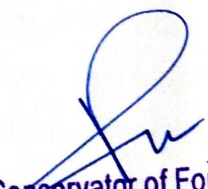
NAME OF WORK/ PROPOSAL :- DIVERSION OF 19.5896 HA. FOREST LAND FOR REHABILITATION AND UPGRADATION TO TWO LANE WITH PAVED SHOULDER CONFIGURATION & STRENGTHENING OF PADHAR TO BLJNI (PACKAGE-VA) FROM KM 180.00 TO KM 202.815 (DESIGN LENGTH 19.050 KM) OF NH-20 (NEW NH-154) OF PATHANKOT(NEW NH-154) OF PATHANKOT-MANDI SECTION IN THE STATE OF HIMACHAL PRADESH.

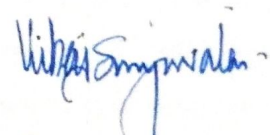
File No: FP/HP/ROAD/154466/2022

Date of Proposal:- 05-July-2022

UNDERTAKING TO PAY COST TOWARDS REHABITATION OF NURSERY

I, Project Director National Highway Authority of India (Ministry of Road Transport and Highways) PIU- Palampur, do hereby, furnish undertaking that User Agency shall establish the entire infrastructure of Nursery of the amount RS. 21,73,126/- as calculated by RFO, Forest Range Drang.

93

Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)


Vikas Surjewala / विकास सुरजेवाला
Project Director / परियोजना निदेशक
NHAI / भा०रा०स०प्र०
PIU Palampur (HP) / प०का०ई०-पालमपुर (हि०प्र०)

Revised Land Use Map of Proposed C.A Site(5 Hect.) for Up-Gradation of Padhar to Bijli (Package-VA) from Km 180.00 to Km 202.815 (Design Length 19.050 km) of NH-20 (New NH-154)



Legend

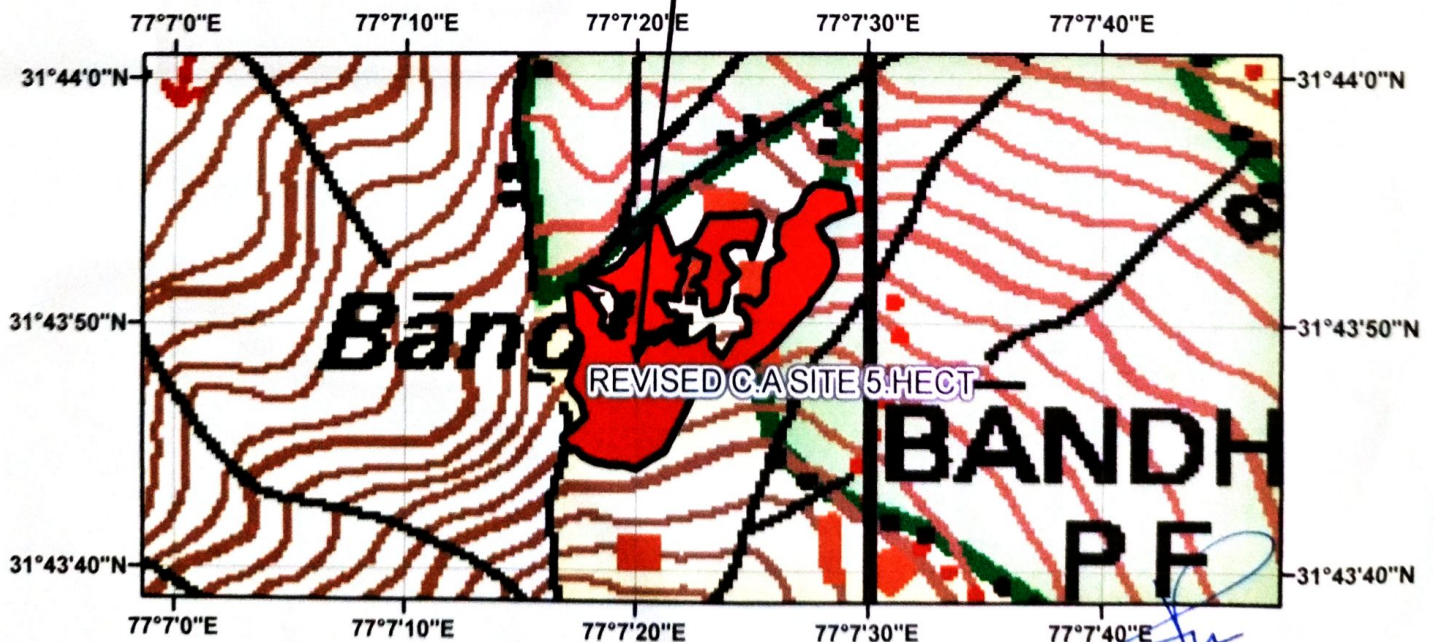
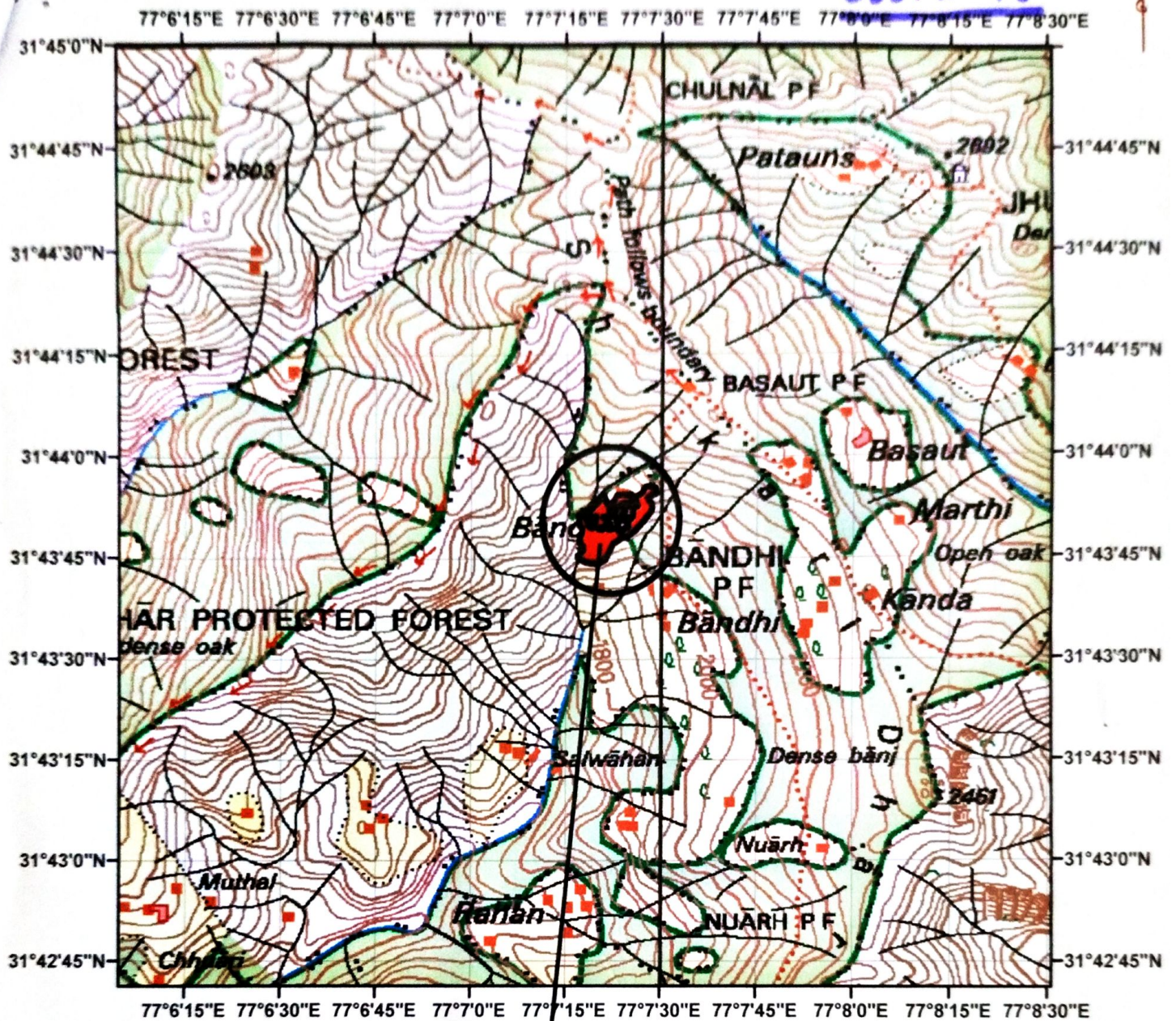
- Agriculture Land
- Open Scrub
- Forest Land
- C.A SITE 5 HECT
- Settlement

Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)

Prepared By:
Genius Geo Solutions,

#62/2, Purani Mandi,
Tehsil Sadar, Distt. Mandi (H.P)
Mob: 78073-77126

Revised Topo-Sheet Map of Proposed C.A Site(5 Hect.) Bandi Beat for Up-Gradation of Padhar to Bijni(Package-VA) from Km 180.00 to Km 202.815 (Design Length 19.050 km) of NH-20 (New NH-154) **EDS No. 16**



				ND 312	Chhipnu II	22.80
				ND 317	Dhangsi Dhar	16.96
				ND 302	Runjh	29.60
				ND 309	Sihnal II	82.80
			Total		9	239.76
		Rehardhar	Kharnal	OD 311	Kharnal	242.81
			Total		1	242.81
		Majhwar	Nela	ND 323	Jalarinal	104.80
				ND 325	Kadhani	73.60
				ND 326	Rihnidhar	87.60
				ND 327	Ghugta	16.00
				ND 355	Bindrabani	11.20
			Total		5	293.20
		Majhwar	Padhar	ND 328	Matla	21.60
				OD 329	Langhwar	91.46
				ND 330	Langhwar	114
				ND 333	Padhar	44
				ND 334	Chilkatora	20.80
				OD 355	Nihalag	96.31
			Total		6	388.17
		Majhwar	Chabhuan	OD 331	Chabhuan	299.87
				ND 332	Chabhuan	35.60
				ND 336	Sari	10.00
				ND 356	Lajukar	31.60
				ND 324	Chila Dhar	149.60
			Total		5	526.67
		Tarapur	Kangni	OD 353	Kangni	148.52

General Abstract trees which are coming in the alignment of four lane work for rehabilitation and upgradation padhar to bijani of NH - 20 road (New - 154) of Pathankot-Mandi section, Tandu Beat, Drang Block, Drang Forest Range, Mandi Forest Division

Sr. No	Botanical Name	Local Name	V	IV	III	IIA	IIB	IA	IB	Total	Rate	Amount
1	Albizia Lebeck	Shirish Spp.		2	-	-	-	-	-	2		
				0.217								
				0.434						0.434	12246	5315
2	Lannea Grandis	Salambra	1	1	-	-	-	-	-	2		
			0.161	0.217								
			0.161	0.217						0.378	12246	4629
3	Pinus Roxburghi	Chil	86	127	45	3	-	-	-			
			0.04	0.14	0.42	1.27				261		
			3.44	17.78	18.9	3.81				43.93	41976	1844006
4	Delbergia Sisso	Shisham	1	-	-	-	-	-	-	1		
			0.064									
			0.064							0.064	42654	2730
		G.Total	88	130	45	3				266		
			3.665	18.43	18.9	3.81				44.806		
				1								1856680

Vinod Pat
Hc Tandu

Patwari
O/o. CALA-cum-S.D.O.(C)
NH-20 Sadar, Mandi (H.P.)

Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)

Kanungo
O/o. CALA-cum-S.D.O.(C)
NH-20 Sadar, Mandi (H.P.)

Range Forest Officer
Drang Forest Range
Drang (H.P.)



**OFFICE OF DEPUTY CONSERVATOR OF FORESTS,
MANDI FOREST DIVISION, MANDI, HP 175001
Phone & Fax 01905-235360, e-mail-dfomandi@gmail.com**

No./RK./-----4933-----

Dated-----08/09/2023

From :- D.C.F. Mandi

To: CCF (T), Mandi

Subject :- Diversion of 19.5896 ha Forest Land for Rehabilitation and Up-Gradation to Two Lane with Paved shoulder configuration & Strengthening of Padhar to Bijni (Package -VA) from Km 180.00 to Km 202.815 (Design Length 19.050 Km) of NH-20 (New NH-154) of Pathankot-Mandi Section in the State of Himachal Pradesh- (Online Proposal No. FP/HP/Road/154466/2022 dated 05.07.2022)

Memo:

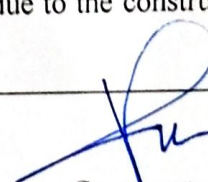
Kindly refer to GOI letter No. FC/HPC/09/9/2023 dated 23.06.2023 on the subject cited above.

2. The observation as pointed out vide letter under reference has been attended by the user agency & this office and reply of the same is given in annotated manner as under :-

Point No.	Reply of User Agency
1	This Observation pertains to Higher Authorities.
2	<p>i. Since the Proposed alignment traverses through Mountainous & Steep Terrain. Thus, steep slope of hills exists at most of the sections. Therefore, no other sites are available for muck disposal. Further, these sites have been duly checked and verified on ground by concerned Ranger & DFO during Joint site inspection on dated 16.12.2022. and the same is enclosed herewith for ready reference.</p> <p>However, Environmental safeguard mitigation measures have been considered to prevent the debris from rolling down to river/household/agricultural land in downhill side.</p> <p>These mitigation measures are proposed of gabion walls at different elevation levels to retain the muck as well as proposal of bio engineering techniques i.e. after completion of dumping, stone pitching and turfing with geo mats (Coir Textiles) etc will be done to stabilize the muck disposal site.</p> <p>The detailed explanation has already been given in Muck Disposal Plan and same have been uploaded with the forest proposal. Kindly refer</p> <p>ii. As explained above, there are no other suitable sites available for muck disposal. Accordingly, these sites have been identified & selected for muck disposal and further duly checked and verified on ground by concerned Ranger & DFO during Joint site inspection on dated 16.12.2022.</p>

	<p>Moreover, the list of trees standing in muck dumping sites are enclosed as Annexure-I, and the same is uploaded in part-II</p> <p>iii. The actual area is 6.0180 ha only and no forest land has been diverted through the mentioned proposal no FP/HP/Road/154466/2022 dated 05.07.2022. Due to clerical mistake it was written as "Out of the total 6.0180 ha, 4.2002 ha Forest land has already been diverted in 2021 through Proposal No-FP/HP/Road/154466/2022 dated 05.07.2022", Same have been corrected in the Muck Disposal Plan and Re-Revised Muck Disposal Plan is enclosed as Annexure-II. Further, it is stated that Out of 6.0180 ha, 4.2002 ha area is Forest land identified in muck disposal sites which has been proposed for diversion through Proposal No FP/HP/ROAD/154466/2022 dated 05/07/2022 for muck disposal.</p>
3	Revised Geo-referenced map of the Diversion area in legible format has been uploaded on the desired column in part-I now.
4	In this regard User Agency has replied that the detail of chainage-wise dimensions (Length and Width) and purpose wise breakup of proposed area showing Khasra No. wise details of forest area has been uploaded on the PARIVESH portal in part-I duly authenticated by DFO concerned now.
5	In this regard it UA has submitted that the original revenue record is procured from the Licensed Common Service Centres after paying applicable fees. The receipt No. is Mentioned on the Top Right of the revenue record and The Note mentioning that "Certified that this copy has been generated from the Database of Revenue department at Central Server is mentioned at the Left Bottom. Also the License No. of the LokMitra Kendra is mentioned. Hence the signatures of the Revenue officials are not required. The original copy of revenue record is submitted and uploaded. Hence the signatures of the Revenue officials are not required.
6	In this Regard User Agency has submitted that the component of plantation model has not been taken in the phase -I of the project. The same will be taken into account in the Phase - II of the project. An undertaking regarding "plantation of site specific plant species, plant species which have capacity of the absorptions of CO2 and other pollutants to be planted along the PRow as per guidelines of MoEF& CC vide letter no.FC-11/39/2020-FC dated 08.09.2021" is being submitted.
7	The detail of revenue record of ERow has submitted by User Agency .
8	The proposed site has been finalized after proper site investigation and all the mitigation measures were taken care of .these site have been duly checked and verified on ground by concerned Ranger & DFO during Joint site inspection on dated 16.12.2022.The proposed site is best in all respect and the trees falling in to the alignment are un avoidable. Hence it is not possible to shift the alignment. it is submitted that all the possibilities were explored and the present alignment is unavoidable. Hence there is no, possibility of reducing the numbers of trees.
9	Enumeration list of trees duly authenticated by undersigned with khasra No. details, in

	enclosed herewith and same is uploaded in online part-II.
10	Scientific name of species has been rectified in online part-II.
11	The undertaking to this respect has been submitted.
12	The joint inspection report has been uploaded and the same is being submitted.
13	The reclamation plan duly authenticated by undersigned has been submitted.
14	User Agency has submitted that any PWD land which falls in the alignment of the road is upgraded and not acquired, there is no change in the title of the land .Hence NoC from PWD department is not obtained.
15	<p>i) In this context necessary correction has been done in online part-II.</p> <p>ii) In this regard proposed CA patch-6 of 02 ha has been review and revised and revised copy of CA map has been submitted and the same has uploaded in online part-II.</p>
16	Desired documentary proof of proposed CA area is enclosed.
17	The district profile in part-II, Para -14 has been rectified in online part-II.
18	It is submitted that all mitigation measures on the impact of such water resources due to the extant proposal has been taken into account. Proper construction of Bridges, culverts, has been proposed .Therefore no loss or damage due to the construction of the said road will be done.


 Deputy Conservator of Forests,
 Mandi Forest Division ,Mandi (H.P)