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General Abstract

Enumeration List of Trees in Dhudigatti DPF 104.41 hac. Kiyani Beat, Pukhri Biloc, Masroond Forest Range Chamba
Forest Division Year 2021-22

Sr. No.	Name of DPF/RF	Area in Hec.	Spps.	Class										Total
				V	IV	III	IIA	IIB	IA	IB	IC	ID	Vol.	
1	Dhudigatti DPF	104.41 Hec.	Chil	22	33	7	2	2					21.09	66
			Kakderan	1									0.161	1
			Kahu	3	3								1.134	6
			Kainth	2									0.322	2
			Simbal	1									0.161	1
			Shisham	2	1	1							1.102	4
			Kurmuru		1								0.217	1
			Faguda	1									0.161	1
			Olha		1								0.217	1
												Total	24.565	83

[Signature]
B.D. Pukhri

[Signature]
B.D. Pukhri

[Signature]
Assistant Engineer
Koti Sub Division
HPWD Koti

(13)

Full Title of the Project:- Diversion of 1.8810 Ha Forest Land in favour of HPPWD for the construction of "Link road Gatti Ghar (Pukhri) to village Saluin Km 0/0 to 3/338" District Chamba (H.P).

PART-II

(To be filled by the concerned Divisional Forest Officer)
(State Serial no. of proposal)

7.	Location of the Project / Scheme	Himachal Pradesh	
	i). State/Union Territory	Chamba	
	ii) District	Chamba Forest Division Chamba	
	iii) Forest Division	1.8810 Hac. for diversion	
	iv) Area of Forest land proposed for Diversion (hac.)	Legal status of the forest is:-	
	v) Legal status of the forest	1 DPF	1.8810
		Total	1.8810 hec.
	vi) Density vegetation	0.11	
	v) Species – wise (scientific names) and diameter class-wise enumeration of trees to be enclosed. In case of irrigation/hydel projects, enumeration at FRL, FRL-2 meter & FRL-4 meter also to be enclosed.	Enumeration list of trees is placed in the proposal folders <u>check list No.14 at page 37A-37C.</u>	
	vi) Brief note on vulnerability of the forest area to erosion	The stratum of the proposed land is quite stable and chance of soil erosion are minimum.	
	vii) Approximate the distance of proposed site for diversion from the boundary of forests.	Being a linear project, distance of road from forest boundaries 2 Km	
	viii) Whether any rare / endangered / unique species of flora and fauna found in the area-if-sp details thereof.	-No-	
	ix) Whether any protected archaeological / heritage site / defense establishment or any other important monument is located in the area. If so the details there for with N.O.C. from competent authority.	-No-	
8.	Whether the requirement of forest land as proposed by the user agency in col. 2 of part-1 is unavoidable and barest minimum for the project, if no recommended area item wise with details of alternatives examined.	The proposed land required for the construction of road is unavoidable and barest minimum.	
9.	Whether any work in violation of various forest Acts has been carried out (Yes/no). If yes, details of the same period of work done. Action taken against the erring officials. Whether work done in violation is still in progress.	NO	
10	Details 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.	The compensatory afforestation will be carried out in <u>Dhudigatti DPF</u> in Masroond Range.	
	ii) Map showing non forest / degraded forest	No.	

	area identified for compensatory afforestation and adjoining forest boundaries.	
	iii) Detailed compensatory afforestation scheme including species to be planted implementing agency, time schedule, cost structure, etc.	Detail of compensatory afforestation to be carried out in lieu of 1.8810 hac. Of forest area is enclosed herewith in check list No.18 at page-40-42 onwards.
	iv)Total financial outlay for compensatory afforestation scheme	The financial outlay for the compensatory is also enclosed herewith as check list no.18, at page No-41 onwards which is Rupee 1132323/-
	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 by the Deputy Conservator of Forest.	Land suitability certificate enclosed herewith as check list No. 19 at page No-43 and Check list No. 20 page No. 44.
11.	Site inspection report of the DFO (to be enclosed) especially highlighting facts asked in col.7(ix,xii) 8 and 9 above.	Site Inspection report attached as Check List-16 at page-38 .
12	Division / District File	
	1.Geographical area of the district	167100 Hac.
	2.Forest area of the district	111598 ha
	3.Total forest area diverted since 1980 with number of cases.	81 cases 726.62473 Hac.
	4.Total compensatory afforestation stipulated in the district / division since 1980 on	1460.5 ha
	5.Forest land including penal compensatory afforestation	1460.5 ha
	6.Non-Forest land	Nil
	7.Progress of compensatory afforestation as on (date) 31.03.2021.	1046 ha
	i)Forest land	1046 ha
	ii)Non-Forest land	-
13	Specific recommendations of the DCF/DFO for acceptance or otherwise of the proposal with reason	The proposal is recommended for approval please.


 Divisinal Forest Officer
 Chamba Forest Division, Chamba


Date:- 11-03-2022
 Place:- Chamba


Construction of Motorable Link road to village Saluin Km. 0/0 to 3/338

CHECK LIST – 12


UNDERTAKING FOR PAYMENT OF COST OF COMPENSATORY AFFORESTATION

I/We, Executive Engineer, Tissa Division, HP:PWD Tissa hereby, undertake to pay the entire amount for compensatory afforestation in lieu of the forest area diverted for Construction of motorable link road to From Ghatti Ghar (Pukhri) to village Saluin Km. 0/0 to 3/338 as per prevailing wage rates at the time of plantation.


Assistant Engineer,
Koti Sub Division
HP.PWD. Koti


Executive Engineer,
Tissa Division, PWD,
Tissahat, Tissa 176316

Countersigned by :-


Divisional Forest Officer,
Chamba Forest Division,
Chamba

Attested


Assistant Engineer
Koti Sub Division,
HPPWD Koti

Full Title of the Project:- Diversion of 1.8810 Ha Forest Land in favour of HPPWD for the construction of "Link road Gatti Ghar (Pukhri) to village Saluin Km 0/0 to 3/338" District Chamba (H.P).

File No:-

Date of Proposal:-

Specific Recommendation.

The case for the Diversion of 1.8810 Ha of Forest Land in favour of HPPWD for the construction of "Link road Gatti Ghar (Pukhri) to village Saluin Km 0/0 to 3/338 within the jurisdiction of Chamba Forest Division, Chamba, District Chamba (H.P) received from the Executive Engineer HPPWD Tissa, is recommended for granting approval under FCA (1980).



**Divisional Forest Officer,
Chamba Forest Division, Chamba**

Date:- 11-03-2022

Place:- Chamba

Full Title of Project:- DIVERSION OF 1.8810 HAC. OF FOREST LAND IN FAVOUR OF H.P.P.W.D. FOR THE CONSTRUCTION OF LINK ROAD FROM GATTI GHAR (PUKHRI) TO VILLAGE SALUIN KM 0/0 TO 3/338, WITHIN THE JURISDICTION OF CHAMBA FOREST DIVISION, DISTRICT CHAMBA (H.P).

File No:-

Date of Proposal:

CHECK LIST No.18

“SCHEME FOR COMPENSATORY AFFORESTATION”

Detail scheme for Compensatory Afforestation to be carried out in lieu of 1.8810 Hac. of Forest Land in favour of H.P.P.W.D. for the construction of link road from Gatti Ghar (Pukhri) to Village Saluin Km 0/0 to 3/338, within the jurisdiction of Chamba Forest Division, District Chamba (H.P).

1. Details of degraded forest Land/non-forest land:-

a) District	Chamba
b) Village	Galund (Dhudigatti DPF)
c) Tehsil	Chamba
d) Name of forest Division	Chamba
e) Range	Masroond
f) Block / Compartment / Survey No.	D-188
g) Area to be afforested	3.762 Hac.

2. Descriptions of Area:

i):- Whether the site selected for Compensatory Afforestation is a land Bank or not

Yes. The site selected for Compensatory Afforestation is a land bank along road side:

ii):-If the CA site is other than the land bank reason be
In case of non-forest area identified for CA, than what is

Not applicable as the site selected is land bank.

Not applicable as the site selected is a forest area

iv):-Soil Type :

Clayey Loam

v):-Topography

“a”

Hilly

Hilly/Undulating/Plain.

“b” Slope: Steep/Medium

Medium

/ Gentle.

vi):-Whether the area is bearing any roote stock of

No

3. Plantation Model:

(a) Compensatory afforestation over an area of 3.762 ha of degraded forest land proposed to be raised. The area selected for this purpose in **DIHUGATTI DPF** which is degraded forest area & has been notified as a land bank. Presently the area supports scattered OBL & Chil trees. The area identified for plantation has also been shown on the attached map. Plants @ 1100 plants per hectare will be planted. The plantation will be raised in the following years after the approval of FCA proposal and further maintenance and beating up of failure will be done for the subsequent ten years. The scheme will be implemented by Forest Department through DFO Chamba. The cost structure of scheme is attached. The scheme has been formulated by taking into consideration the present wage rate Rs. 300/- and 10% cost escalation after first year has been provided. Total financial outlay for compensatory plantation scheme is Rs. 1132323/- Certificate of DFO Chamba regarding suitability of area identified for compensatory plantation is attached. The area selected for compensatory plantation will be approachable **Chamba-Tissa road** and the monitoring will be done as per existing monitoring mechanism in the forest department at present and also as per GOI instructions.

Copy of the approved Compensatory afforestation scheme/ model showing component wise physical and

4. Schedule of Plantation Programme:-

Detail of year wise break-up of requirement of funds is as under:-

Year	Area	Rate per Ha including Nry Cost (NT) & 10% cost escalation	Total Amount	Total financial years
(A):- 0 Year	3.762	124151	467056	2022-23
(B):- At the rate 25% planting cost			116764	
1st Year Maint.	3.762	16710	62863	2023-24
2nd Year Maint.	3.762	12335	46404	2024-25
3rd Year Maint.	3.762	7684	28907	2025-26
4th Year Maint.	3.762	7684	28907	2026-27
5th Year Maint.	3.762	7684	28907	2027-28
6th Year Maint.	3.762	7684	28907	2028-29
7th Year Maint.	3.762	7684	28907	2029-30
8th Year Maint.	3.762	7684	28907	2030-31
9th Year Maint.	3.762	7684	28907	2031-32
10th Year Maint.	3.762	7684	28907	2032-33
Total (A+B)			924345	
Contingencies 5% of Total CA			46217	
Sub Total			970562	
Departmental Charges@ 17.50%			161760	
Total			1132323	

5. The cost of the scheme is detailed below:-

Schedule of plantation programme:

Year	Area	Rate per Ha including Nry Cost (NT) & 10% cost escalation	Total Amount	Total financial years
(A):- 0 Year	3.762	124151	467056	2022-23
Planting cost 25%			116764	
Departmental Charges@ 17.50%			161760	

Contingencies 5% of Total CA			46217	
Total			791798	
(B)				
1st Year Maint.	3.762	16710	62863	2023-24
2nd Year Maint.	3.762	12335	46404	2024-25
3rd Year Maint.	3.762	7684	28907	2025-26
4th Year Maint.	3.762	7684	28907	2026-27
5th Year Maint.	3.762	7684	28907	2027-28
6th Year Maint.	3.762	7684	28907	2028-29
7th Year Maint.	3.762	7684	28907	2029-30
8th Year Maint.	3.762	7684	28907	2030-31
9th Year Maint.	3.762	7684	28907	2031-32
10th Year Maint.	3.762	7684	28907	2032-33
Total (A+B)			340525	
Total			1132323	

1. Technical Details:

Technical Details of Compensatory afforestation Scheme are as follows:-

(a) General Details: an area of 3.762 hec will be taken up for planting under compensatory afforestation scheme in DHUDIGATTI DPF. The area will be protected by barbed wire fencing and a mixture of conifer and broad leaved species will be planted. 1100 plants will be planted per hectare.

(b) Spacement: 3.00 Mtr x 2.5Mtr.

(c) Species : Deo, Ban and other broad leaved.

(d) Plantation Method: Nursery grown one & half year above old plants (in Polythene bags as well as naked root) will be planted in 30x30x30 cm and 45x45x45 cm pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 10 years in which beating up of failures will be done. The plantation will be rainfed.

e) Soil and Moisture Conservation: -


(a) Protection (Fencing, watchman, people's participation etc.): Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.

(b) Proposed Monitoring Mechanism: The plantation will be monitored as per existing monitoring mechanism by GOI representatives as per instruction. The plantation site will be approachable.

(c) Any other information : Nil

Date:-11-03-2022

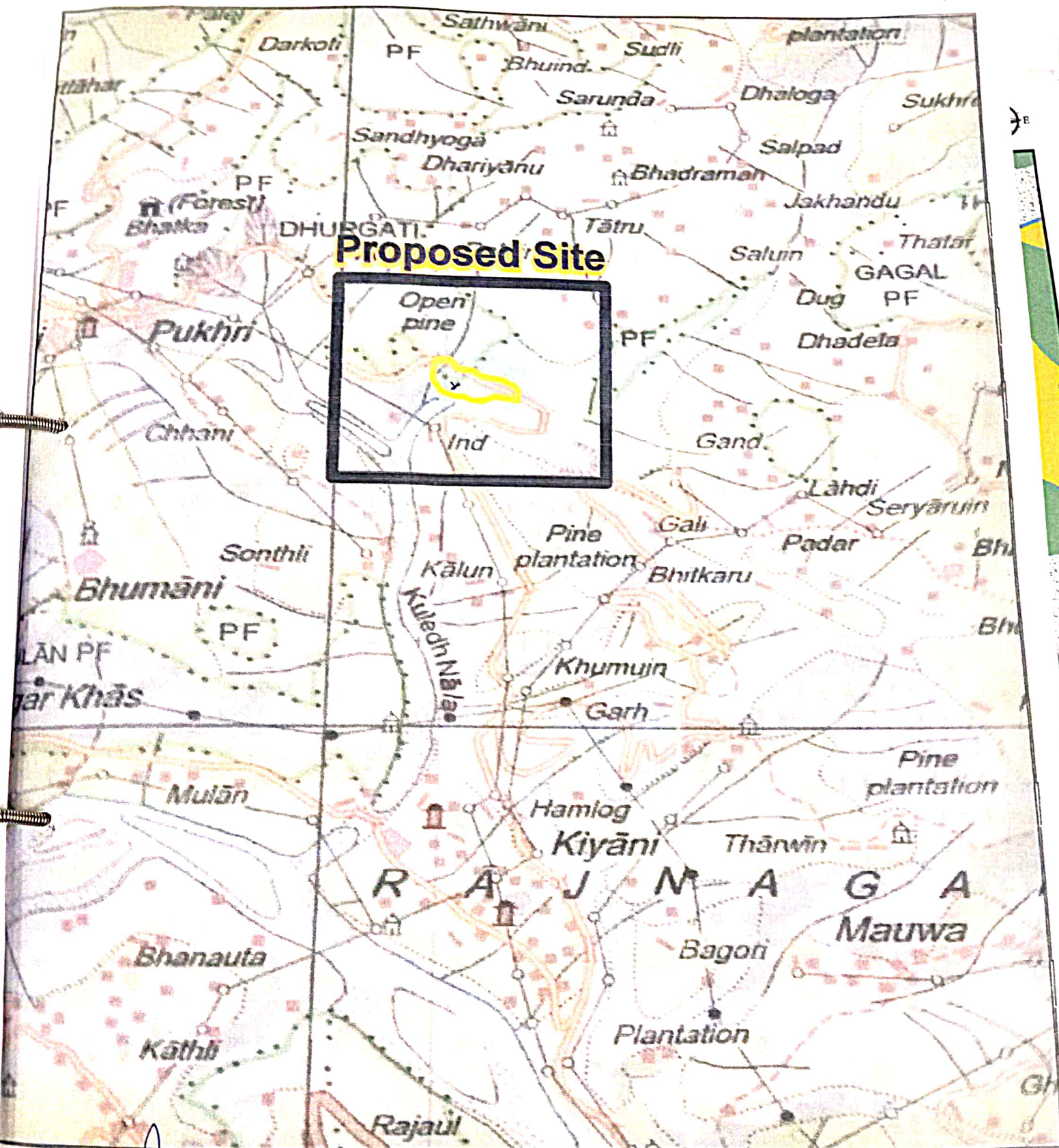
Place:- Chamba


Amit Sharma (HPES)
 Divisional Forest Officer
 Chamba Forest Division, Chamba

TOPOSHEET:-

Proposed CA Site Link Road Ghatti Ghar (3.762 Hect)

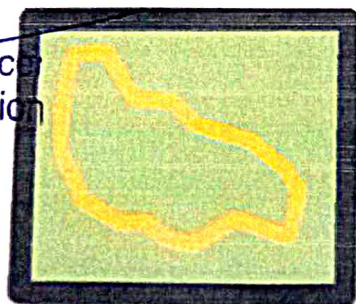
39A



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Divisional Forest Officer
Chamba Forest Division
CHAMBA-176310

Proposed Site



Scale

Executive Engineer
Tissa Division
HPPWD Tissa

1:50000
Assistant Engineer
Koti Sub Division
HPPWD Koti

Toposheet No :-

143W2

CHECK LIST - 16

SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF
(For the forest land to be diverted under FCA)

(For the Forest land to be diverted under FCA)

A proposal has been received by this office from the Executive Engineer, Tissa Division, HP.PWD., Tissa for diversion (under FC/1980) of 1.8810 hact. of forest land for non-forestry purpose. The subject envisages the use of forest land for the Construction of motorable Link road From Ghatti Ghar (Pukhri) to village Saluin Km. 0/0 to 3/338. The site inspection of the land involved in the proposal has been done by me on dated : 16/11/2021.

The requirement of forest land as proposed by the user agency in Col. 2 of Part-I is unavoidable and is barest minimum. On inspection of the site, it is found that the land required by the user agency is a forest measuring required for the project.

Whether any rare/endangered/ unique species of flora and fauna found in the area. If so, the details thereof. (No)

Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required. (No).


✓(a) The user agency has not violated the provisions of Forest (Conservation) Act, 1980 and no work has been started without proper sanction.

(b) It has been found that the user agency has violated the Forest (Conservation) Act, 1980 provision. A detailed report as per Para 1.9 of Chapter I, part C of Hand book of Forest (Conservation) Act, 1980 is attached.

Specific recommendation for acceptance of otherwise : The proposal is recommended of the proposal. for approval.

Place :- Chamba

Date :- 16/11/2021


Divisional Forest Officer,
Chamba Forest Division,
Chamba

ANNEXURE-A

BILL FOR NET PRESENT VALUE

BILL FOR NET PRESENT VALUE OF FOREST LAND TO BE Diversion of 1.8810 Hac. of Forest Land in favour of H.P.P.W.D. for the construction of Ghatti Ghar (Pukhri) to village Saluin Km. 0/0 to 3/338 , within the jurisdiction of Chamba Forest Division., District Chamba (H.P).

CALCULATION OF NET PRESENT VALUE (NPV) AS PER MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE GOVERNMENT OF INDIA LETTER NO. 5-3/2011-FC Vol-1) DATED 06-01-2022

NATURE OF FORESTS	Area being diverted			Classification as						ECO value class	
	1.88			Consisting of						V	
Dhudigatti DPF	V	IV	III	IIA	IIB	IA	IB	IC	ID	TOTAL	Area being diverted.
Area of diverted ald falling in Eco Zone III										83	1.88
Trees coming in the area	32	39	8	2	2	0	0	0	0		71
Total tree upto Class-III											12
Total tree of -III and above class											47.5
Total Mature trees (nationlly) after conversion of 2 trees of below III class in to one mature class.											25
Per Hectare No of tree											0.11
Precentage Density											Open Forest
Density Class											
Calculation of NPV											
Name of Forest	Area to be diverted		ECO class	Density class	NPV rate applicable		Amount (Rs.)				
Dhudigatti DPF	1.8810		V	Open Forest	1005210		1890800				

Place:- Chamba.
Dated:-11.03.2022

Divisional Forest Officer,
Chamba Forest Division,
Chamba-176310.

Construction of Motorable Link road to village Saluin Km. 0/0 to 3/338

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CHECKLIST SERIAL NO. 19

Certificate from Divisional Forest Officer (DFO) that non-forest land selected for compensatory afforestation is in a compact block and contiguous to forest area or in close proximity of forest area and suitable from the management and protection point of view

This is to Certify that the 3.7620 hectare area for raising of compensatory plantation in DPF Rudigatti in lieu of diversion of forest land for Construction of motorable Link road From Ghatti Ghar (Pukhri) to village Saluin Km. 0/0 to 3/338 in Tehsil & District Chamba (HP) being constructed by HP:PWD Tissa Division is in a compact block, forms part of a forest, is suitable from management and protection of view and is free from all sort of encumbrances and encroachment.

Place: Chamba

Date: 07/02/22


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


Construction of Motorable Link road to village Saluin Km. 0/0 to 3/338

CHECK List No. – 13


UNDERTAKING FOR THE PAYMENT OF NET PRESENT VALUE
OF FOREST AREA

It is to certify that I/We Executive Engineer, Tissa Division, HP:PWD Tissa have applied for diversion of 1.8810 ha. of forest area for the purpose of motorable link road From Ghatti Ghar (Pukhri) to village Saluin Km. 0/0 to 3/338. I/We, hereby, undertake to pay the net present value (NPV) of the above forest land. I/we also hereby undertake to pay the additional amount of NPV, if so determined as per the decision of the Hon'ble Supreme Court.


Assistant Engineer,
Koti Sub Division
HP.PWD. Koti


Executive Engineer,
Tissa Division, HP. PWD.,
HP.PWD. Tissa 176316

Countersigned by :-


Divisional Forest Officer,
Chamba Forest Division,
Chamba

Construction of Motorable Link road to village Saluin Km. 0/0 to 3/338

UNDER TAKING/CERTIFICATE

I/We, Executive Engineer, Tissa Division HP:PWD Tissa is hereby undertaking the Net Present Value (NPV) amount will be paid when NPV rates are revised.



Assistant Engineer,
Koti Sub Division
HP.PWD. Koti



Executive Engineer,
Tissa Division,
HP.PWD., Tissa

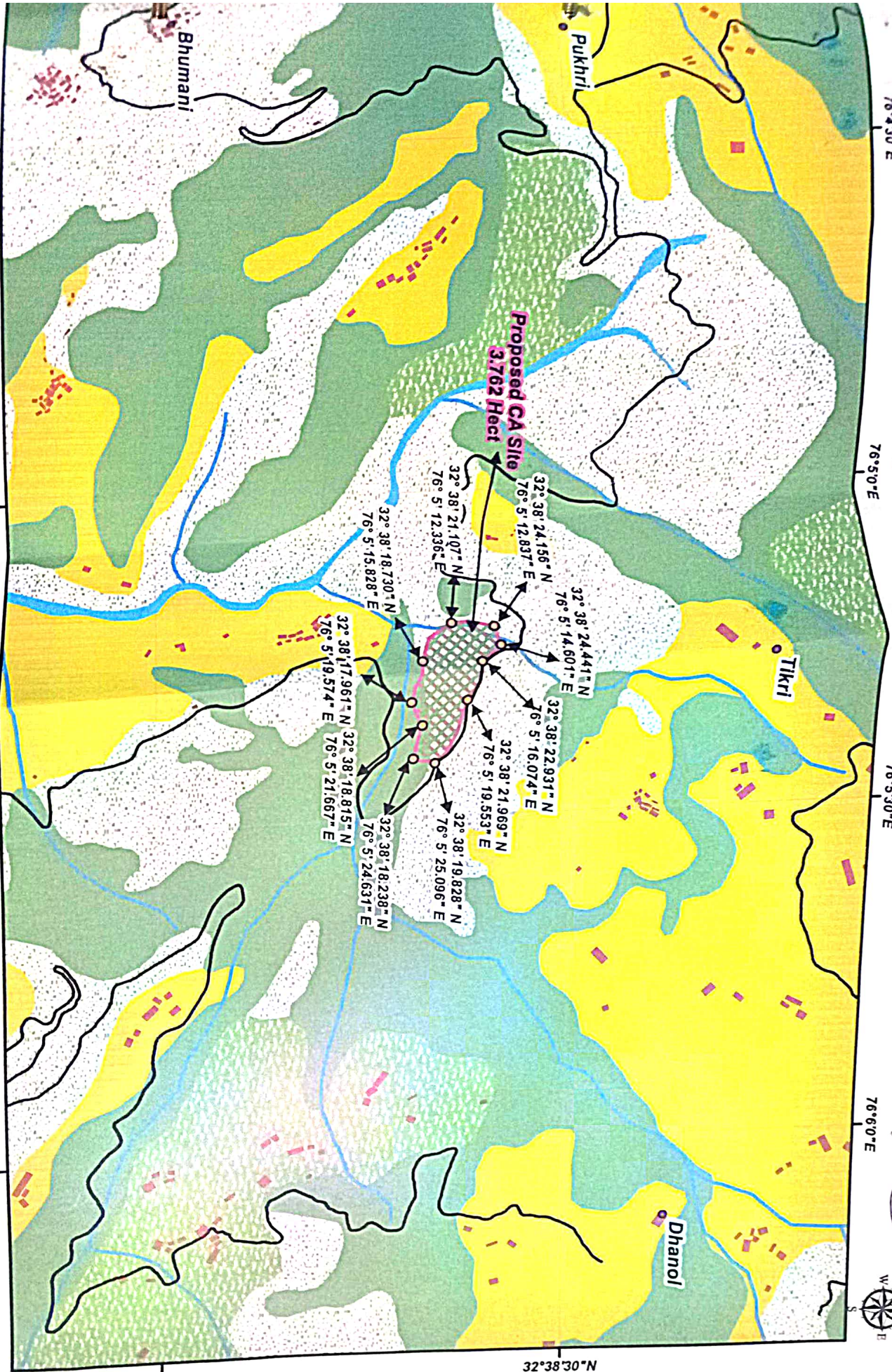
Countersigned by :-



Divisional Forest Officer,
Chamba Forest Division,
Chamba.

Digital Landuse Map for C/O Proposed CA Site Link Road Ghatti Ghar (3.762 Hect)

398



Legend 76°43'0"E

76°5'0"E

76°5'30"E

76°6'0"E

32°38'0"N

32°38'30"N

- Existing Road
- Drainage
- Forest
- Open Land
- Private Land
- Shrub
- Builtup

Divisional Forest Office
Chamba Forest Division
CHAMBA-176310

Executive Engineer
Tissa Division
HPPWD Tissa

Assistant Engineer
Kali Sub Division
HPPWD Kali