SUMMARY OF AMOUNT TO BE DEPOSITED IN CAMPA FUND

Particulars	Nurpur Division	Dalhousie Division	Dharamshala Division	Total Amount
Cost of NPV	6725535	37394	2054750	8817679
Cost of CA	3345373		1268201	4613574
5% Contingency	167269	-	63410	230679
Cost of SMCP	4729500	33800	1858400	6621700
Total	14967677	71194	5244761	20283632

No.FCA /Misc/ 1436
H.P. Forest Department.

From:

Divisional Forest Officer, Nurpur Forest Division, Nurpur

To:

The Project Director,
National Highways Authority of India,
PIU Palampur, 1st and 2nd Floor, DayalJiNiwas,
Chimbalhar, Palampur (H.P.)

Dated :Nurpur, the/ 2 G APR 2023

Subject:

Diversion of 7.2834 Ha. of forest land in favour of NHAI, for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh, within the jurisdiction of Nurpur, Dharamshala and Dalhousie Forest Division, Distt. Kangra, Himachal Pradesh. (Online Proposal No. FP/HP/ROAD/152261/2022).

Sir / Ma'am,

Kindly refer to Govt. of India Ministry of Environment, Forests & Climate Change, Integrated Regional Office Shimla, CGO Complex, Longwood Shimla -171001, Office Letter No. F.C./HPC/06/155/2022 dated 05.04.2023 addressed to Addl. Chief Secretary (Forests) to the GoHP and copy thereof endorsed to Director General of Forests (FC) Ministry of Environment, Forests & Climate Change, Indira Environment Building, Jorbag Road, Aliganj, New Delhi, and Nodal Officer-cum-Addl. Chief Conservator of Forests (FCA) GoHP Forest Department, Talland, Shimla, on the subject cited above.

2. In this context it is intimated that the Govt. of India has conveyed "Stage-I Approval" under the provisions of Forest (conservation) Act, 1980 for the diversion of forest land on the subject cited above diversion case. As already mentioned in the approval in question that the GOI has developed an e-payment module forest clearance portal for online remittance of the amount under various components i.e. CA & NPV, therefore the payments towards above components shall be deposited online through the e-payment portal such online Challan mode in Ad-hoc CAMPA and the payment with respect to the departmental charges on Compensatory Afforestation is to be deposited in State Govt. Treasury. The component wise detail of amount and mode of deposition is as under:

Component	Amount (Rs.)	Mode of Payment	Where the amount is to be deposited
Net Present Value (NPV)	67,25,535/-	e-payment	Through PariveshOnline
Compensatory Afforestation	33,45,373/-	e-payment	portal, as per stipulation No. 3, 4
5% Contingency on CA Scheme	1,67,269/-	e-payment	and 7of "Stage-I Approval in the

Cost of Soil & Moisture Conservation Plan 0.5 % Lump sum proportionate on 5.2021 ha Forest Land involved under Nurpur Forest Division	47,29,500/-	e-payment	Adhoc CAMPA Account.
Total Amount to be deposited through online (CAMPA Account)	1,49,67,677/-		
Departmental Charges 17.5% on CA	6,14,712/-	State Govt. Head	State Head with DFO Nurpur through
Cost of 1645 Number of Trees	2,10,76,084/-		RTGS in Account No. 50052720287
Total Amount to be deposited in State Head	2,16,90,796/-		IFSC-KACE0000118 The Kangra Central Co-Op. Bank Ltd. Choughan Bazar Nurpur
Grand Total (Rs.)	3,66,58,473/-		

In addition to above, you are also requested to go through the other stipulations of the "in-principle" approval and compliance be reported to this office complete in all respect, so that the Stage-II approval could be sought from the competent authority. It may also be ensured that the proposed forest land may not be used till final approval is accorded by the competent authority.

Encl: As stated.

Divisional Forest Officer, Nurpur Forest Division,

Nurpur

<u>Diversion of 7.2834 hac. of Forest Land for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh</u>

BILL FOR NET PRESENT VALUE

Eco-Value Class	Area in Hectare	Rate(per Hectare)	Total Amount (Rs.)	
Class V Open Forest	5.2021	1292850.00	6725535.00	
	TOTAL AMOUNT		6725535.00	

Divisional Forest Officer
Divisional Forest Officer,
Number Horest Division,

Nurpur H.P

Diversion of 7.2834hac. of Forest Land for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol(Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh FILE NO.

:FP/HP/Road/152261/2022

DATE OF PROPOSAL

:15.07.2022

CHECK LIST SERIAL NUMBER: - 17

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation to be carried out in lieu of 5.2021 ha. of forest area falling under the jurisdiction of NurpurForest Division to be diverted for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of PathankotMandi Section in the State of Himachal Pradesh.

Detail of degraded forest land:

District Kangra,	Kotla Range,		Area to be Afforested - 11HA
Tehsil Jawali,	Block/Comptt. No. U	J84 Dole	
Division Nurpur	C10		

Description of Area 1.

a.	Whether the site selected for Compensatory Afforestation is a land bank or not	Land Bank
b.	If the CA site is other than the land bank, reasons be given	Not Applicable
c.	In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	Not Applicable
d.	Soil type	Sandy Loam
e.	Topography: a.) Hilly/Undulating /Plain b.) Slope- Steep/Medium/Gentle	Hilly Medium
f.	Whether the area is bearing any root stock of vegetation	Yes

Plantation Model 3.

Copy of the approved Compensatory Afforestation Scheme/Modelshowing component wise physical and financial breakup to be enclosed.

4. Schedule of PlantationProgramme

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

YEAR	AREA	RATE / ha (in Rs.)	TOTAL AMOUNT
0 Year	11 Ha.	147906	1626965
1 st Year	11 Ha.	27396	
2 nd Year	11 Ha.	19903	
3 rd Year	11 Ha.	10892	119811
4 th Year	11 Ha.	11670	128370
5 th Year	11 Ha.	12448	136928
6 th Year	11 Ha.	13226	145486
7 th Year	11 Ha.	14004	154044
8 th Year	11 Ha.	14782	162602
9 th Year	11 Ha.	15560	171160
10 th Year	11 Ha.	16338	179718
TOTAL (Rs.)			3345373
Contingency Charges	5 %		167269
TOTAL (Rs.)			3512642
Departmental Charges	Departmental Charges 17.5 %		614712
TOTAL (Rs.)			4127354
		OR SAY	Rs. 41,27,354/-

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation Forest Range KotlaArea 11Hac.			
b.	Spacing	2.5 X 2.5			
c.	Species	Mix Broad Leave, Ambla, Arjun, Tuni etc.			
d.	Plantation Method	By pits 30 cm & 45 cm.			
e.	Soil and Moisture Conservation Works	Check dam / Retaining walls / Vegetative check dam			
f.	Protection (Fencing, Watch man, People's Participation etc.)	Fencing, Watch man, People's Participation etc. Fencing 5 Stand Barbed Wire interlacing with thorny bushes.			
g.	Proposed Monitoring Mechanism	Proper inspection of the area by field staff & officers of the Department.			
h.	Any other information	N.A.			

Place : Nurpur Dated : 20 4 3 Divisional Forest Officer Nurpur Forest Division Nurpur Diversion of 7.2834 hac, of Forest Land for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh

FILE No.	FP/HP/ROAD/152261/2022
Date of Proposal	15/07/2022

Scheme for Compenstoy Afforestation for 2022-23 in lieu of Diversion of 5.2021 ha of forest land for Construction of above stated Project in Nurpur Forest Division

Projec	ct in Nurpur Forest Division						
Sr. No.	Particulars of work	Unit	Qty.	Rate per Unit at wage rate of Rs. 150/-	Amount @ Rs. 150/- for Non Tribal Areas	Mandays Involved	Amount at wage rate of Rs. 350/-
Α	Survey, Demarcation & Fencing Cost						
1	Survey & demarcation of plantation area	ha.	1	101.00	101.00	0.67	235.67
2	Preparation/purchase of RCC Fence posts.	No.	50	358.00	12500.00	0.00	17900.00
3	Carriage of RCC Fence posts up to 165 cm long over distance	Km/ No.	50	33.50	33.50	22.33	7816.67
4	Preparation/digging of holes of 20x30x50 cm size	No.	50	9.06	453.00	3.02	1057.00
.5.	Fixing of RCC fence posts including strutting.	No.	50	7.16	358.00	2.39	835.33
6	Carriage of Barbed wire over distance 2 Km. uphill / downhill	Km/ Qtl.	0.75	73.65	110.48	0.74	257.78
7	Stretching & fixing of barbed wire in 4 strands	Rmt.	600	4.80	2880.00	19.20	6720.00
8	Interlacing of Thorny bushes along the fence	Rmt.	150	4.09	613.50	4.09	1431.50
9	Cost of Barbed Wire	Qtl.	0.75	6510.00	4882.50	0.00	4882.00
10	Nursery Cost of Plants	No.	1100	37.00			40700.00
	indiscity cost of family			otal - A (Surv	ey, Demarcation	on & Fencing)	81835.95
_						or Say	81840
В	Planting Cost						
	Digging of pits 45x45x45 cm	ha.	1100	1192.80	1192.80	7.95	2783.20
1		No.	1100	9.54	10494.00		24486.00
3	Filling of pits 45x45x45 cm. Carriage of plants in P/bags over distance 2 km. uphill.	No.	1100	2.72	2882.00		6981.33
	Planting of entire plant raised in P.bags.	Km/ No.	1100	1.90	4180.00		9753.33
4	Planting of entire plant raised in P. bags. Planting of grass tufts/preparation of strips including sowing	No.	1100	2.18	2398.00		5595.33
5	Pranting of grass turts/preparation of strips including sowing	Rmt.	100	11.00	1100.00		2566.67
\vdash		No.	0	LS	450.00		450.00
<u>_</u>	Total Pla	nting Cost			150.00		52615.86
<u></u>	Total File	inchig cost				or Say	52620
_	Grand T	otal (A+B)				,	134460
۴	Add 10 % Incre						13446
ب		tation Cost		172			147906
E	1st Year Maintena			g lin):			247300
-		No.	330	4.77	1574.1	10.49	3672.90
1	Re-digging of Pits 45 x 45 x 45 cm Filling of Pits 45 x 45 x 45 cm	No.	330	2.72	897.60		2094.40
2	Planting of Plants raised in P/Bags	No.	330	2.18			1678.60
3	Carriage of Plants in P/Bags over a distance of 2 Km uphill/	Km/ No.	330	1.90			2926.00
4		Rmt.	60	1.80			252.00
5	Repair of Fencing	Init.	1 00		/ 1st Year Men		10623.90
_					,	or Say	10620
	2nd Year Mainten	ance Cost I	0 % Reatin	e lin):		O. Say	10020
-		No.	220	4.77	1049.4	7.00	2448.60
1	Re-digging of Pits 45 x 45 x 45 cm Filling of Pits 45 x 45 x 45 cm	No.	220	2.72			1396.27
2	Planting of Plants raised in P/Bags	No.	220	2.18			1119.07
3	Carriage of Plants in P/Bags over a distance of 2 Km uphill/	Km/ No.	220	1.90			1950.67
5	Repair of Fencing	Rmt.	60	1.80			252.00
13	Repair of Fencing	Tono E			2nd Year Men		7166.61
						or Say	7170
	3rd Year to 10th Year Ma	intenance	Cost (10 %	Beating Up):			
1	Re-digging of Pits 45 x 45 x 45 cm	No.	110	4.77		3.50	1224.30
2	Filling of Pits 45 x 45 x 45 cm	No.	110	2.72			698.13
3	Planting of Plants raised in P/Bags	No.	110	2.18	239.80		559.53
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/	Km/ No.	110	1.90	418.00	2.79	975.33
5	Repair of Fencing	Rmt.	60	1.80	108.00	0.72	252.00
				Total	3rd Year Men	tenance Cost	3709.29

F	Maintenance Cost Year	Amount	No. of Plants	Cost of Plants	Total Amount	Increase %	Increased Amount	Total Maintenance Cost
	11-1-1-1-1-1	10620	330	37	22830	20%	4566	27396
1	Ist year Maintenance	7170	220	37	15310	30%	4593	19903
2	2 nd year Maintenance	3710	110	37	7780	40%	3112	10892
3	3 rd year Maintenance	3710	110	37	7780	50%	3890	11670
4	4 th year Maintenance		110	37	7780	60%	4668	12448
5	5 th year Maintenance	3710	110	37	7780	70%	5446	13226
6	6 th year Maintenance	3710	_	37	7780	80%	6224	14004
7	7 th year Maintenance	3710	110	37	7780	90%	7002	1478
8	8 th year Maintenance	3710	110	37	7780	100%	7780	1556
9	9 th year Maintenance	3710		37	7780	110%	8558	1633
10	10 th year Maintenance	3710	110	11 11 11 11 11 11	7700			15621
G		otal Maintena	nce Cost I	to to rears				
Abst	ract of Cost							14790
Н	Total Plantation Cost (E)							1562
1	Total Maintenance Cost for 10 years (G)							3041
_	Total							
								152
J	Constituency Charges @ 5%							3193
	Total	_						558
K	Departmental Charges @ 17.5%							3752
	Grand Total (C to P)		_	_	_			3752
_	Total Cost of CA for 1 ha							

Total Cost of CA for 11 ha is Rs 375214 x 11 ha = Rs 41,27,354/-

Divisional Forest Officer
Nurpur Forest Division
Nurpur, Orest Division
Nurpur, H.P.

Calculation Sheet of Soil & Moisture Conservation Plan (SMCP) for Diversion of 5.2021 hac. of Forest Land under Nurpur Forest Division for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh

Sr. No.	Description		Units	Total
1	Total Land Involved (A)	ha.	35.0716	
2	Forest Land Involved (B)	ha.	7.2834	
3	Non Forest Land Involved (A - B)	ha.	27.7882	
4	% Age of Forest Land Involved 7.2834 / 35.0716 x 100		%	20.77%
5	Total Cost of Project		Rs in Lakh	63761.700
6	Proportionate Cost on Forest Land in Dharamshala Forest Division	(63761.7 x 20.77%) / (7.2834 x 5.2021)	Rs in Lakh	9458.906
7	0.5% Soil & Moisture Conservation Plan in Nurpur Forest Division	9458.906 x 0.5%	Rs in Lakh	47.295
8	Cost of Soil & Moisture Conservation Plan (SMCP) to be deposited in Nurpur Forest Division		Rs in Lakh	47.29
	Rupees Forty Seven Lakh, Twenty	Nine Thousand and Five	Hundred Only	

Divisional Forest Officer Nurpur Forest Division

Nurpur, H.P.

No.FCA /RK/ H.P. Forest Department

20-04-2023 Dated :Dalhousie, the/

From:

Divisional Forest Officer. Dalhousie Forest Division.

Dalhousie

To:

The Project Director.

National Highways Authority of India,

PIU Palampur, 1st and 2nd Floor, DayalJiNiwas,

Chimbalhar, Palampur (H.P.)

Subject:

Diversion of 7.2834 Ha. of forest land in favour of NHAI, for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of PathankotMandi Section in the State of Himachal Pradesh, within the jurisdiction of Nurpur, Dharamshala and Dalhousie Forest Division, Distt. Kangra. Himachal Pradesh. (Online Proposal

FP/HP/ROAD/152261/2022).

Sir / Ma'am,

Kindly refer to Govt. of India Ministry of Environment, Forests & Climate Change, Integrated Regional Office Shimla, CGO Complex, Longwood Shimla -171001, Office Letter No. F.C./HPC/06/155/2022 dated 05.04.2023 addressed to Addl. Chief Secretary (Forests) to the GoHP and copy thereof endorsed to Director General of Forests (FC) Ministry of Environment, Forests & Climate Change, Indira Environment Building. Jorbag Road, Aliganj, New Delhi, and Nodal Officer-cum-Addl. Chief Conservator of Forests (FCA) GoHP Forest Department, Talland. Shimla, on the subject cited above.

Component	Amount (Rs.)	Mode of Payment	Where the amount
Net Present Value (NPV)	37,394/-	e-payment	is to be deposited Through
Cost of Soil & Moisture Conservation Plan 0.5 % Lump sum proportionate on 0.0372 ha Forest Land involved under Dalhousie Forest Division	33,800/-	e-payment	PariveshOnline portal, as per stipulation No. 4 and 7 of "Stage-I Approval in the Adhoc CAMPA Account.
Total Amount to be deposited through online (CAMPA Account)	71,194/-		
Cost of 109 Number of Trees	24,08,803/-		State Head with DI ()
Total Amount to be deposited in State Head	24,08,803/-		Dalhousie through RTGS in Account No. 23002320000014 IFSC- HDFC0002300 Branch Dalhousie

- Approval" under the provisions of Forest (conservation) Act, 1980 for the diversion of forest land on the subject cited above. reprovate under the provisions of Forest (conservation) Act, 1980 for the approval for forest land on the subject cited above diversion case. As already mentioned in the approval in question that the GOI has developed in question that the GOI has developed an e-payment module forest (NPV, therefore the payment) online remittance of the amount under various components i.e. CA & NPV, therefore the payments towards above components. payments towards above components shall be deposited online through the e-payment portal such online Challan mode in Additional components with respect to the deposited online challan mode in Additional components. payments towards above components shall be deposited online through the e-payment portal such online Challan mode in Ad-hoc CAMPA and the payment with respect to the departmental charges on Components. departmental charges on Compensatory Afforestation is to be deposited in State Treasury. The component wise details of Treasury. The component wise detail of amount and mode of deposition is as under:
- In addition to above, you are also requested to go through the office the "in-principle" stipulations of the "in-principle" approval and compliance be reported to this office complete in all respect so that the complete in all respect, so that the Stage-II approval could be sought from the competent authority. It may also be approved to the used till final authority. It may also be ensured that the proposed forest land may not be used till final approval is accorded by the approval is accorded by the competent authority.

Encl: As stated.

Diversion of 7.2834 hac. of Forest Land for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.06 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh

BILL FOR NET PRESENT VALUE

Eco-Value Class	Area in Hectare	Rate(per Hectare)	Total Amount (Rs.)		
Class V Open Forest	0.0372	1005219.00	37394.00		
	TOTAL AMOUNT		37394.00		

Kamal Bharti (HPFS)

DalhouDalhousie

Calculation Sheet of Soil & Moisture Conservation Plan (SMCP) for Diversion of 0.0372 hac, of Forest Land under Dalhousie Forest Division for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh

Sr. No.	Description	Units	Total	
1	Total Land Involved (A)		ha.	35.0716
2	Forest Land Involved (B)		ha.	7.2834
3	Non Forest Land Involved (A - B)		ha.	27.7832
4	% Age of Forest Land Involved	Age of Forest Land Involved 7.2834 / 35.0716 x 100		20.77%
5	Total Cost of Project			63761.700
A	Proportionate Cost on Forest Land in Dharamshala Forest Division	(63761.7 x 20.77%) / (7.2834 x 0.0372)	Rs in Lakh	67.640
/	0.5% Soil & Moisture Conservation Plan in Dalhousie Forest Division	67.640 x 0.5%	Rs in Lakh	0.338
	Cost of Soil & Moisture Conservation Plan (SMCP) to be deposited under Dalhousie Forest Division		Rs in Lakh	0.338
	Rupees Thirty Three Thou	usand and Eight Hundred	Only	

Divisional Forest Officer Dalhousie Forest Division Dalhousie No.FCA /RK/______/
H.P. Forest Department.

Dated : Dharamshala, the/ 24-04-23

From:

Divisional Forest Officer, Dharamshala Forest Division, Dharamshala.

To:

The Project Director,
National Highways Authority of India,
PIU Palampur, 1st and 2nd Floor, DayalJiNiwas,
Chimbalhar, Palampur (H.P.)

Subject:

Diversion of 7.2834 Ha. of forest land in favour of NHAI, for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA), from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of PathankotMandi Section in the State of Himachal Pradesh, within the jurisdiction ofNurpur, Dharamshala and DalhousieForest Division, Distt. Kangra, Himachal Pradesh. (Online Proposal No. FP/HP/ROAD/152261/2022).

Sir / Ma'am,

Kindly refer to Govt. of India Ministry of Environment, Forests & Climate Change, Integrated Regional Office Shimla, CGO Complex, Longwood Shimla -171001, Office Letter No. F.C./HPC/06/155/2022 dated 05.04.2023 addressed to Addl. Chief Secretary (Forests) to the GoHP and copy thereof endorsed to Director General of Forests (FC) Ministry of Environment, Forests & Climate Change, Indira Environment Building, Jorbag Road, Aliganj, New Delhi, and Nodal Officer-cum-Addl. Chief Conservator of Forests (FCA) GoHP Forest Department, Talland, Shimla, on the subject cited above.

2. In this context it is intimated that the Govt. of India has conveyed "Stage-I Approval" under the provisions of Forest (conservation) Act, 1980 for the diversion of forest land on the subject cited above diversion case. As already mentioned in the approval in question that the GOI has developed an e-payment module forest clearance portal for online remittance of the amount under various components i.e. CA & NPV, therefore the payments towards above components shall be deposited online through the e-payment portal such online Challan mode in Ad-hoc CAMPA and the payment with respect to the departmental charges on Compensatory Afforestation is to be deposited in State Govt. Treasury. The component wise detail of amount and mode of deposition is as under:

Component			Where the amount is to be deposited			
Net Present Value (NPV)	20,54,750/-	e-payment	Through PariveshOnline			
Compensatory Afforestation	12,68,201/-	e-payment	portal, as per stipulation No. 3, 4			
5% Contingency on CA Scheme	63,410/-	e-payment	and 7of "Stage-I Approval in the			
Cost of Soil & Moisture Conservation Plan 0.5 %	18,58,400	e-payment	Adhoc CAMPA Account.			

Lump sum proportionate on 2.0441 ha Forest Land involved under Dharamshala Forest Division			
Total Amount to be deposited through online (CAMPA Account)	52,44,761/-		
Departmental Charges 17.5% on CA	2,33,032/-	State Govt. Head	State Head with DFO Dharamshala through
Cost of 784 Number of Trees	29,40,962/-		RTGS in Account No.
Total Amount to be deposited in State Head	31,73,994/-		No.10520100005843 IFSC - BARB0DHAKAN, Bank of Baroda, Kotwali Bazar, Dharamshala.
Grand Total (Rs.)	84,18,755/-		

In addition to above, you are also requested to go through the other stipulations of the "in-principle" approval and compliance be reported to this office complete in all respect, so that the Stage-II approval could be sought from the competent authority. It may also be ensured that the proposed forest land may not be used till final approval is accorded by the competent authority.

Encl: As stated.

Divisional Forest Officer, Dharamshala Forest Division, Dharamshala. Diversion of 7.2834 hac, of Forest Land for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh

BILL FOR NET PRESENT VALUE

Eco-Value Class	Area in Hectare	Rate(per Hectare)	Total Amount (Rs.)
Class V Open Forest	2.0441	1005210.00	2054750.00
	TOTAL AMOUNT	The state of the s	2054750.00

Dinesh Sharma (HPFS)

Divisional Forest Officer

Dharamshala Forest Division

Dharamshala

<u>Diversion of 7.2834 hac. of Forest Land for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh</u>

FILE NO.

: FP/HP/Road/152261/2022

DATE OF PROPOSAL

: 15.07.2022

CHECK LIST SERIAL NUMBER: - 17 "SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation to be carried out in lieu of 2.0813 ha. of forest area falling under the jurisdiction of Dharamshala Forest Division (2.0441 ha) and Dalhousie Forest Division (0.0372 Ha) to be diverted for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh.

Detail of degraded forest land:

District Kangra, Tehsil Shahpur,	Shahpur Range, Block/Comptt. No. UP-26 K-
Division Division	Nerti C7C

are dealer of the first

1. Description of Area

a.	Whether the site selected for Compensatory Afforestation is a land bank or not	Land Bank
b.	If the CA site is other than the land bank, reasons be given	Not Applicable
c.	In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary	Not Applicable
d.	Soil type	Sandy Loam ,
e.	Topography: a.) Hilly/Undulating /Plain b.) Slope- Steep/Medium/Gentle	Hilly Medium
f.	Whether the area is bearing any root stock of vegetation	Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial breakup to be enclosed.

4. Schedule of Plantation Programme

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

TOTAL (Rs.)			1564643
Departmental Charge	s 17.5 %		233032
TOTAL (Rs.)	91 to 1 to 3 to 1 to 4 to 1 to 1	E-1 - F 10 10 10 10 10 10 10 10 10 10 10 10 10	1331611
Contingency Charges			63410
TOTAL (Rs.)			1268201
10 th Year	4.17	16338	68129
9 th Year	4.17	15560	64885
8 th Year	4.17	14782	61641
7 th Year	4:17	14004	58397
6 th Year	4.17	13226	55152
5 th Year	4.17	12448	51908
4 th Year	4.17	11670	48664
3 rd Year	4.17	10892	45420
2 nd Year	4.17	19903	82996
1 st Year	4.17	27396	114241
0 Year	4.17	147906	616768
YEAR	AREA	RATE / ha (in Rs.)	TOTAL AMOUNT

5. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:-

a.	General Details	Area for Compensatory Afforestation in Forest Range Shahpur Area 4.17 Hac.
b.	Spacing	2.5 X 2.5
c.	Species	Mix Broad Leave, Ambla, Arjun, Tuni etc.
d.	Plantation Method	By pits 30 cm & 45 cm.
e.	Soil and Moisture Conservation Works	Check dam / Retaining walls / Vegetative check dam
f.	Protection (Fencing, Watch man, People's Participation etc.)	Fencing, Watch man, People's Participation etc. Fencing 5 Stand Barbed Wire interlacing with thorny bushes.
g.	Proposed Monitoring Mechanism	Proper inspection of the area by field staff & officers of the Department.
h.	Any other information	N.A.

Place: Dharamshala
Dated: 11-04-2023

Divisional Forest Officer Dharamshala Forest Division

Dharamshala

<u>Diversion of 7.2834 hac. of Forest Land for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachal Pradesh</u>

 FILE No.
 FP/HP/ROAD/152261/2022

 Date of Proposal
 15/07/2022

Scheme for Compenstoy Afforestation for 2022-23 in lieu of Diversion of 2.0813 ha of forest land for Construction of above stated Project in Dharamshala & Dalhousie Forest Division

Sr. No.	Particulars of work	Unit	Qty.	Rate per Unit at wage rate of Rs. 150/-	Amount @ Rs. 150/- for Non Tribal Areas	Mandays Involved	Amount at wage rate of Rs. 350/-
А	Survey, Demarcation & Fencing Cost	L					
1	Survey & demarcation of plantation area	ha.	1	101.00	101.00	0.67	235.67
2	Preparation/purchase of RCC Fence posts.	No.	50	358.00			17900.00
3	Carriage of RCC Fence posts up to 165 cm long over distance	Km/ No.	50	33.50			7816.67
4	Preparation/digging of holes of 20x30x50 cm size	No.	50	9.06	453.00		1057.00
.5.	Fixing of RCC fence posts including strutting.	No.	50	7.16	358.00		835.33
6	Carriage of Barbed wire over distance 2 Km. uphill / downhill	Km/ Qtl.	0.75	73.65			257.78
7	Stretching & fixing of barbed wire in 4 strands	Rmt.	600	4.80	2880.00		6720.00
8	Interlacing of Thorny bushes along the fence	Rmt.	150	4.09	613.50		1431.50
9	Cost of Barbed Wire	Qtl.	0.75	6510.00	4882.50	0.00	4882.00
10	Nursery Cost of Plants	No.	1100	37.00	37.00	0.00	40700.00
		***	To	tal - A (Surve	y, Demarcatio	on & Fencing)	81835.95
				SACTOR OF THE PROPERTY OF THE	••	or Say	81840
В	Planting Cost					UI Jay	010-10
1	Digging of pits 45x45x45 cm	ha.	1100	1192.80	1192.80	7.95	2783.20
2	Filling of pits 45x45x45 cm.	No.	1100	9.54			24486.00
3	Carriage of plants in P/bags over distance 2 km. uphill.	No.	1100	2.72			6981.33
4	Planting of entire plant raised in P.bags.	Km/ No.	1100	1.90	4180.00	27.87	9753.33
5	Planting of grass tufts/preparation of strips including sowing in strips 100x30x5 cm for grass sowing along contour.	No.	1100	2.18			5595.33
		Rmt.	100	11.00	1100.00	7.33	2566.67
		No.	0	LS	450.00	. 0	450.00
С	Total Pla	nting Cost		2000 501 -0			52615.86
						or Say	52620
D	Grand To	otal (A+B)					134460
	Add 10 % Incre	ase on D					13446
E	Total Plan	tation Cost				,	147906
	1st Year Maintena	nce Cost (3	0 % Beatin	g Up):			
1	Re-digging of Pits 45 x 45 x 45 cm	No.	330	4.77	1574.1	10.49	3672.90
2	Filling of Pits 45 x 45 x45 cm	No.	330	2.72			2094.40
3	Planting of Plants raised in P/Bags	No.	330	2.18			1678.60
4	Carriage of Plants in P/Bags over a distance of 2 Km uphill/	Km/ No.	330	1.90			2926.00
5	Repair of Fencing	Rmt.	60	1.80	The second second		252.00
		1,11114	1 00			tenance Cost	The second secon
							20020.30

	2nd	d Year Mainten	ance Cost (2	0 % Beatin	ig Up):			
1	Re-digging of Pits 45 x 45 x 45 cm		No.	220	4.77	1049.4	7.00	2448.60
2	Filling of Pits 45 x 45 x45 cm		No.	220	2.72	598.40	3.99	1396.27
- 3	Planting of Plants raised in P/Bags	17AF-301	No.	220	2.18	479.60	3-20	1119.07
4	Carriage of Plants in P/Bags over a distance of	f 2 Km uphill/	Km/ No.	2.20	1.90	836.00	5.57	1950.67
5	Repair of Fencing	1000	Rmt.	60	1.80		0.72	252.00
	Total/ 2nd Year Mentenance Cost							
							or Say	7170
155		to 10th Year M			1	P #25052555		
1	Re-digging of Pits 45 x 45 x 45 cm		No.	110	4.77	524.7	3.50	1224.30
2	Filling of Pits 45 x 45 x 45 cm		No.	110	2.72	299.20		698.13
3	Planting of Plants raised in P/Bags		No.	110	2.18			559.53
4	Carriage of Plants in P/Bags over a distance of	f 2 Km uphill/	Km/ No.	110	1.90			975.33
5	Repair of Fencing		Rmt.	60	1.80	Control of the second s		252.00
			- a		Total/	3rd Year Men		3709.29
F	Maintenance Cost				-		or Say	3710
	Year	Amount	No. of	Cost of	Total	Increase %	Increased	Total
	lear	Airiount	Plants	Plants	Amount	IIICI ease 70	Amount	Maintenance
	2		riants	l'idiics	Amount		Amount	Cost
1	Ist year Maintenance	10620	330	37	22830	20%	4566	27396
2	2 nd year Maintenance	7170	220	37	- 15310	30%	4593	19903
3	3 rd year Maintenance	3710	110	37	7780	40%	3112	10892
4	4 th year Maintenance	3710	110	37	7780	50%	3890	11670
5	5 th year Maintenance	3710	110	37	7780	60%	4668	12448
6	6 th year Maintenance	3710	110	37	7780	70%	5446	13226
7	7 th year Maintenance	3710	110	37	7780	80%	6224	14004
8	8 th year Maintenance	3710	110	37	7780	90%	7002	14782
9	9 th year Maintenance	3710	110	37	7780	100%	7780	15560
10	10 th year Maintenance	3710	110	37	7780	110%	8558	16338
G		tal Maintenan	ce Cost 1 to	10 Years				156219
Abstr	ract of Cost						miles Reserved	
Н	Total Plantation Cost (E)	200 SAWER OF		- WA A - 14 14				147906
1	Total Maintenance Cost for 10 years (G)							156219
	Total							304125
J	Constituency Charges @ 5%			1				15206
	Total			T				319331
K	Departmental Charges @ 17.5%						,	55883
	Grand Total (C to P)		1 0	N. H.				375214
	Total Cost of CA for 1 ha							375214

Total Cost Of CA for 4.17 ha is Rs 375214 x 4.17 ha = Rs 15,64,643/-

Divisional Forest Officer Dharamshala Forest Division Dharamshala

Calculation Sheet of Soil & Moisture Conservation Plan (SMCP) for Diversion of 2.0441 hac. of Forest Land under Dharamshala Forset Division for Rehabilitation and Upgradation to Four Lane Configuration and Strengthening of Sihuni to Rajol (Package IIA) from KM 51.00 to KM 72.00 (Design Length of 18.450 km) of NH 20 (New NH 154) of Pathankot Mandi Section in the State of Himachai Pradesh

otal Land Involved (A)			
	Total Land Involved (A)		35.0716
Forest Land Involved (B)		ha.	7.2834
Non Forest Land Involved (A - B)		ha.	27.7882
Age of Forest Land Involved	7.2834 / 35.0716 x 100	%	20.77%
Total Cost of Project		Rs in Lakh	63761.700
roportionate Cost on Forest Land in haramshala Forest Division	(63761.7 x 20.77%) / (7.2834 x 2.0441)	Rs in Lakh	3716.759
5% Soil & Moisture Conservation Plan in haramshala Forest Division	3716.759 x 0.5%	Rs in Lakh	18.584
Cost of Soil & Moisture Conservation Plan (SMCP) to be deposited in Dharamshala Forest Division		Rs in Lakh	18.584
no h	Age of Forest Land Involved tal Cost of Project oportionate Cost on Forest Land in naramshala Forest Division ost of Soil & Moisture Conservation Plan in naramshala Forest Division ost of Soil & Moisture Conservation Plan in Dharamshala Forest Division	Age of Forest Land Involved 7.2834 / 35.0716 x 100 tal Cost of Project Oportionate Cost on Forest Land in (63761.7 x 20.77%) / (7.2834 x 2.0441) S% Soil & Moisture Conservation Plan in aramshala Forest Division Option St of Soil & Moisture Conservation Plan (SMCP) to be deposited Dharamshala Forest Division	Age of Forest Land Involved 7.2834 / 35.0716 x 100 Rs in Lakh Opertionate Cost on Forest Land in Diaramshala Forest Division (63761.7 x 20.77%) / (7.2834 x 2.0441) Rs in Lakh Opertionate Conservation Plan in Diaramshala Forest Division (83761.7 x 20.77%) / (7.2834 x 2.0441) Rs in Lakh Opertionate Conservation Plan in Diaramshala Forest Division (83761.7 x 20.77%) / (7.2834 x 2.0441) Rs in Lakh Opertionate Conservation Plan in Diaramshala Forest Division (83761.7 x 20.77%) / (7.2834 x 2.0441) Rs in Lakh Opertionate Conservation Plan in Diaramshala Forest Division (83761.7 x 20.77%) / (7.2834 x 2.0441)

Divisional Forest Officer Dharamshala Forest Division Dharamshala