

No. RK/FCA/NHAI Package-II-Shakral to Dhalli Section/ 3046
Himachal Pradesh Forest Department

From:

Divisional Forest Officer (Rural),
Forest Division, Shimla.

To:

Project Director,
National Highway Authority of India (NHAI),
PIU, Shimla, HP-171005.

Dated Shimla-2, the 11/08/2023

Subject:

Diversion of 19.1788 ha of forest land in favour of NHAI for diversion of additional forest land requirement for four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985) in already approved FCA case of the entire Section from Kaithlight to Dhalli, within the jurisdiction of Shimla and Shimla (MC) Forest Division, Distt. Shimla Himachal Pradesh. (Online Proposal No. FP/HP/Road/154923/2022).

Sir,

Please refer to the Regional Officer letter No. FC/HPC/06/181/2022 dated 3rd August, 2023 vide which the Regional Officer has accorded the 1st Stage Approval conditionally, on the subject cited above.

2. In this regard, it is requested to please deposit the cost of Compensatory Afforestation, Net Present Value and Departmental Charges as per the bills under heads/ account given as follows under.

Sl. No.	Particular	Amount	Appropriate Authority
1.	Compensatory Afforestation	Rs. 1,06,57,106/-	The Compensatory Afforestation and Net Present Value are only generated through online portal thus it is mandatory to deposit the same through online portal
2.	Net Present Value	Rs. 2,63,21,177/-	
3.	Reclamation Plan	Rs. 25,32,978/-	
4.	Soil and Moisture Conservation Plan (SMCP) (0.5%)	Rs. 3,58,64,228/-	
5.	Wildlife Management Plan (WLMP)	Rs. 14,34,56,910/-	
	Total	Rs. 21,88,32,399/-	
6.	Departmental Charges	Rs. 23,08,265/-	0406 Forest and Wildlife (Revenue) and 800 Other Receipt - 012 under DDO code 828

It is brought to your kind notice that the Challan to be generated online for Compensatory Afforestation, Net Present Value, Reclamation Plan, Soil and Moisture Conservation Plan and Wildlife Management Plan and then the levies are to be deposited through online portal. In addition to the above, compliance of stipulations recorded by the CF Central should also be submitted well in time to this office for further necessary action, please.

It may also be ensured that no work to be executed at the proposed site until the final approval of the Competent Authority is obtained and conveyed to you.


Divisional Forest Officer (Rural),
Forest Division, Shimla.

Office of the Divisional Forest Officer,
Shimla Forest Division (Urban), Shimla
Himachal Pradesh.



0177-2629915 (O)
E-mail: dfou-shi-hp@gov.in

H. P. FOREST DEPARTMENT, MISTCHAMBER, KHALLINI SHIMLA-171001

No. FCA/2023-24/ 923

Dated Shimla-171002, the 01-8-2023

To:

Project Director,
National Highways Authority of India,
Project Implementation Unit (PIU),
Shimla, H.P.

Sub:

Additional Forest Land requirement for four laning of NH-05 from Shakral Village to Dhalli section (Shimla Bypass Package II from Km 146+300 to Km 156+560 and Shimla Connectivity from Km 0+000 to Km 0+725 for Design length- 10.985 Km) in already approved FCA case of the entire section from Kaithlighat to Dhalli (Chainage from Km. 129.050 to Km 156.507) of NH 22 (New NH-05) for 40.3 Ha in the State of Himachal Pradesh.

Sir,

Please refer to Sub-Office, Shimla (Regional Office, Chandigarh) Ministry of Environment, Forest and Climate Change, CGO complex, Shivalik Khand, Loogwood, Shimla HP. Office letter No. FC/HPC/06/181/2022 dated 03-08-2023 addressed to ACS (Forests) to the GoHP and copy thereof endorsed to Nodal Officer-cum-APCCF (FCA), O/o P. CCF (HoFF) Shimla, HP and others on the subject cited above.


2. As per Stage-I approval conveyed by the Deputy Inspector General of Forests vide above quoted reference, please arrange to deposit the Cost of compensatory afforestation, cost of trees, Net Present value, Departmental Charges and cost of trees according to enclosed bills under heads/ accounts mentioned below: -

Sr. No.	Particulars	Amount.	Appropriate authority.
1.	CA	0/-	The amount of NPV is only Generated through online portal and it is mandatory to deposit only through online portal.
2.	NPV	8128/-	
	Total	8128/-	
3.	Departmental Charges	0/-	
4.	Cost of trees.	0/-	
5.	Total	8128/-	

Challan is generated online for NPV, and then the levies is to be deposited through online portal. In addition to above, compliance of stipulations recorded by the Deputy Inspector General of Forests should also be submitted to this office.

It may also be ensured that no work will be executed at the proposed site until the final approval of the competent authority is obtained and conveyed to you. It is also pertinent to mention that the stipulation No. 5 to be followed in letter.

Encl. As above:


Divisional Forest Officer,
Shimla (Urban) Forest Division.

BILL FOR COMPENSATORY AFFORESTATION SCHEME OVER 8.3576 Ha. (UPF Banahardhar) C-232, 15 Ha. (DPF Bargal CN-12), 10 Ha. (UPF BISHANDHAR C-236) & 5 Ha. (UPF Paresh C-229) FOREST LAND IN LIEU OF PROPOSED DIVERSION OF FOREST LAND FOR C/O FOUR LANEING OF SHIMLA BYPASS SECTION OF SHAKRAL TO DHALLI(PKG-II) FROM KM 146/300 TO KM 156/560 ON NH-05 WITHIN THE JURISDICTION OF SHIMLA FOREST DIVISION.

Area where compensatory Afforestation can be done in hac.

UPF Banahardhar C-232	8.3576
DPF Bargal CN-12	15
UPF Bishandhar C-236	10
UPF Paresh C-229	5
Total	38.36

1	2	3	4	5	6	7	8	9	10	11
particulars of works	Unit cost at wage structure per ha. For 2023-24, including plants cost	No. of Plants	Plants @ 24/- Rs	Total amount of plants	Area in ha.	Total cost (i.e. Col.2x6+5)	Year of execution of work	Cost escalation	Unit cost after applying cost escalation (Col.7x9)	Total amount (Col.7+10)
Initial cost for raising CA over an area of CA	94500	42193	24	1012640.6	38.36	4637434	2023-24	10%	463743	5101177.00
1 st Year Maintenance	11400	12658	24	303792	38.36	741069	2024-25	20%	148214	899282.64
2 nd Year Maintenance	7700	8439	24	202536	38.36	497890	2025-26	30%	149367	647256.52
3 rd Year Maintenance	3900	4219	24	101256	38.36	250851	2026-27	40%	100340	351190.64
4 th Year Maintenance	3900	4219	24	101256	38.36	250851	2027-28	50%	125425	376275.64
5 th Year Maintenance	3900	4219	24	101256	38.36	250851	2028-29	60%	150510	401360.64
6 th Year Maintenance	3900	4219	24	101256	38.36	250851	2029-30	70%	175595	426445.64
7 th Year Maintenance	3900	4219	24	101256	38.36	250851	2030-31	80%	200681	451531.64
8 th Year Maintenance	3900	4219	24	101256	38.36	250851	2031-32	90%	225766	476616.64
9 th Year Maintenance	3900	4219	24	101256	38.36	250851	2032-33	100%	250851	501701.64
10 th Year Maintenance	3900	4219	24	101256	38.36	250851	2034-35	110%	275936	526786.64
Total										10149625.00

Contingencies Charges @ 5%	507481.00
Total cost of CA Scheme	10657106.00
Departmental Charges @ 17.5%	1864994.00
G. Total	12522100

Yashu deep Singh, IFS
 Deputy Conservator of Forests,
 Kotgarh Forest Division, Kotgarh

(Signature)
 10/18

FULL TITLE OF PROJECT: Diversion of 19.1788 ha of forest land in favour of NHAI for diversion of additional forest land requirement for four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985) in already approved FCA case of the entire Section from Kaithlighat to Dhalli, within the jurisdiction of Shimla and Shimla (MC) Forest Division, Distt. Shimla Himachal Pradesh. (Online Proposal No. FP/HP/Road/154923/2022).

In consonance to the order dated 28.03.2008 of Hon'ble Supreme Court of India in writ petition (Civil) number 202 of 1995, the net present value of the forest being diverted is calculated as under:

The Ecological class VI includes the forest type found in the forest being diverted. The average density of the forest is 0.5 i.e. dense Forest. The Hon'ble Supreme Court has fixed N.P.V of Rs. 1372410/- per hectare for class VI eco- value, dense Forest, hence the total value works out to be Rs. 26321177/- for 19.1788 ha. forest land being diverted.

Place: Shimla.

Dated: 12/04/2023



Divisional Forest Officer,
Shimla Forest Division,
Tel. No. 0177-2623412,

Full Title of the Project: - Diversion of 19.1788 ha of forest land in favour of NHAI for diversion of additional forest land requirement for four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985) in already approved FCA case of the entire Section from Kaithlight to Dhalli, within the jurisdiction of Shimla and Shimla (MC) Forest Division, Distt. Shimla Himachal Pradesh. (Online Proposal No. FP/HP/Road/154923/2022).

Reclamation Plan


Reclamation Plan of Dumping Sites over 9 Hectares of Forest land in lieu of proposed diversion of 19.1788 Hectares of Additional Forest land requirement for four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985)

Area proposed for Compensatory Afforestation in Hectare	9	UPF - 173 Dhalli, UPF - 174 Badfar, UPF - 189 Toru & UPF - 190 Shanana
Plants to be planted per Hectare	1100	
Total No. of Plants to be planted	9900	

Detail of year wise breakup of requirements of funds as per Norms for Plantation and Maintenance of Old Plantation for Non-Tribal and Tribal Areas for the year 2023-24 is as under:

Particulars of works	Area in Hect.	Unit cost at wages structure per ha. For 2022-23	Total Cost (Col. 2 X 3)	No. of Plants	Plants @ 25/- Rs.	Total Amount of Plants (Col. 5 X 6)	Total Cost (Col. 4 + 7)	Year of execution of work	Cost Escalation	Unit Cost after applying cost escalation	Total Amount (Col. 8+11)
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
Initial cost for	9	94500	850500	9900	25	247500	1098000	2023-24	10%	109800	1207800
1 st year maintenance	9	11400	102600	2970	25	74250	176850	2024-25	20%	35370	212220
2 nd year maintenance	9	7700	69300	1980	25	49500	118800	2025-26	30%	35640	154440
3 rd year maintenance	9	3900	35100	990	25	24750	59850	2026-27	40%	23940	83790
4 th year maintenance	9	3900	35100	990	25	24750	59850	2027-28	50%	29925	89775
5 th year maintenance	9	3900	35100	990	25	24750	59850	2028-29	60%	35910	95760
6 th year maintenance	9	3900	35100	990	25	24750	59850	2029-30	70%	41895	101745
7 th year maintenance	9	3900	35100	990	25	24750	59850	2030-31	80%	47880	107730
8 th year maintenance	9	3900	35100	990	25	24750	59850	2031-32	90%	53865	113715
9 th year maintenance	9	3900	35100	990	25	24750	59850	2032-33	100%	59850	119700
10 th year maintenance	9	3900	35100	990	25	24750	59850	2033-34	110%	65835	125685
Total											2412360
Contingencies Charges @ 5%											120618
Total Cost of CA Scheme											2532978
Departmental Charges @ 17.5%											443271.15
Total											2976249.15

Place : Shimla
Date : 18/08/2023


Divisional Forest Officer (Rural)
Forest Division, Shimla

Full Title of the Project: Diversion of 19.1788 ha of forest land in favour of NHAI for diversion of additional forest land requirement for four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985) in already approved FCA case of the entire Section from Kaithlight to Dhalli, within the jurisdiction of Shimla and Shimla (MC) Forest Division, Distt. Shimla Himachal Pradesh. (Online Proposal No. FP/HP/Road/154923/2022).

Soil and Moisture Conservation Plan (SMCP)

Calculation of the Soil and Moisture Conservation Plan (SMCP) of the Forest being diverted for the Construction of four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985).

In compliance to the Regional Officer letter No. FC/HPC/06/181/2022 dated 3rd August, 2023 vide which the Regional Officer has given the 1st Stage Approval conditionally, the Soil and Moisture Conservation Plan (SMCP) is calculated in compliance to the Office Memorandum No. FC-11/43/2021-FCA dated 10th February, 2023 issued by the Ministry of Environment, Forest and Climate Change (Forest Conservation Division) to the Govt. of India as follows:-

Total Cost of the Project	:	Rs. 193322 Lacs i.e. 19,33,22,00,000/-
Total Forest land	:	19.1788 hectare
Total Private land	:	32.5117 hectare
Total Land (Forest and Private)	:	51.6905 hectare
Percentage of Forest land involved (19.1788/51.6905x100)	:	37.1031 %
Proportionate cost of Forest land (193322 lacs x37.1031%)	:	Rs. 7,17,28,45,498/-
Total cost of Soil and Moisture Conservation Plan (SMCP) @ 0.5% proportionate to the extent of Forest land involved instead of total Project cost.	:	Rs. 3,58,64,228/-

Place : Shimla

Date : 18/08/2023


Divisional Forest Officer (Rural),
Forest Division, Shimla.

Full Title of the Project: Diversion of 19.1788 ha of forest land in favour of NHAI for diversion of additional forest land requirement for four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985) in already approved FCA case of the entire Section from Kaithlight to Dhalli, within the jurisdiction of Shimla and Shimla (MC) Forest Division, Distt. Shimla Himachal Pradesh. (Online Proposal No. FP/HP/Road/154923/2022).

Wildlife Management Plan (WLMP)

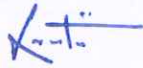
Calculation of the Wildlife Management Plan (WLMP) of the Forest being diverted for the Construction of four laning of NH-05 from Shakral Village to Dhalli Section (Shimla Bypass package-II from Kms 146+300 to 156+560 and Shimla Connectivity from Kms 0+000 to 0+725 for Design length -10.985).

In compliance to the Regional Officer letter No. FC/HPC/06/181/2022 dated 3rd August, 2023 vide which the Regional Officer has given the 1st Stage Approval conditionally, the Wildlife Management Plan (WLMP) is calculated in compliance to the Office Memorandum No. FC-11/43/2021-FCA dated 10th February, 2023 issued by the Ministry of Environment, Forest and Climate Change (Forest Conservation Division) to the Govt. of India as follows:-

Total Cost of the Project	:	Rs. 193322 Lacs i.e. 19,33,22,00,000/-
Total Forest land	:	19.1788 hectare
Total Private land	:	32.5117 hectare
Total Land (Forest and Private)	:	51.6905 hectare
Percentage of Forest land involved (19.1788/51.6905x100)	:	37.1031 %
Proportionate cost of Forest land (193322 lacs x37.1031%)	:	Rs. 7,17,28,45,498/-
Total cost of Wildlife Management Plan (WLMP) @ 2% proportionate to the extent of Forest land involved instead of total Project cost.	:	Rs. 14,34,56,910/-

Place : Shimla

Date : 18/08/2023


Divisional Forest Officer (Rural),
Forest Division, Shimla.

Full Title of the Project :-

Additional Forest Land requirement for four laning of NH-05 from Shakral Village to Dhalli section (Shimla Bypass Package II from Km 146+300 to Km 156+560 and Shimla Connectivity from Km 0+000 to Km 0+725 for Design length- 10.985 Km) in already approved FCA case of the entire section from Kaithlighat to Dhalli (Chainage from Km. 129.050 to Km 156.507) of NH 22 (New NH-05) for 40.3 Ha in the State of Himachal Pradesh.

File No :-

FP/HP/ROAD/154923/2022.

Date of Submission: -


27-04-2022.

Bill of Net present value

In consonance of the order dated 23-03-2008 of Hon'ble Supreme Court of India in writ petition (Civil) No. 2020 of 1995, the Net Present Value of the forest land for the diversion of 0.0076 Hect. for the Additional Forest Land requirement for four laning of NH-05 from Shakral Village to Dhalli section H.P. in favour of Project Director, NHAI Project Implementation Unit, Shimla, H.P. -05.

Eco-Value Class	Forest	Rate (Rs. Per ha.)	Area involved in the proposal	Total Amount
VI	Open	1069470/-	0.0076	8128/-

Note: - In case of increase in the rate of NPV in future the same will be recoverable from the User Agency.


(Anita Bhardwaj) HPFS,
Divisional Forest Officer,
Shimla Forest Division,
Shimla-2