



H. P. FOREST DEPARTMENT, MISTCHAMBER, KHALLINI SHIMLA-171002.

No. FCA/ 97 Dated 5/4/2023

To: Project Director NHAI,
House No. I Rishikash Sadan
Shanti Kutiya, Chakkar Shimla-5

Sub: Diversion of 11.7936 ha. forest land for the Construction of four laning of proposed Shimla Bypass from Kaithalighat to Shakral Section (Package-I) of NH-22 (Chainage from Km 128.835 to Km.146.300) in already approved FCA case of the entire section from Kaithlighat to Dhalli. in favour of NHAI, District Shimla HP (**Online Proposal No. FP/HP/ROAD/151117/2022**- Submission of revised bill.

Sir,

In-continuation of this office letter No. 13, dated 1/4/2023 on the above cited subject.

2. As per the in-principle approval conveyed by the CF Central vide letter No. 8B/HP/09/29/2021 dated 15.03.2023 (copy enclosed) above quoted reference revise bill of the following items are hereby issued. You are requested to deposit the Cost of Compensatory afforestation, Net Present Value and Departmental Charges, R. Plan & SMC Plan:-

Sr. No	Particulars	Amount.	Appropriate authority.
1.	CA	7408304.00	The Compensatory Afforestation, NPV, Reclamation, SMC and Wildlife Plan are only generated through online portal thus it is mandatory to deposit the same through online portal.
2	NPV	13342639.00	
3	R Plan	1270466.00	
4	SMC (.5%)	30686800	
5	Wildlife Plan(2%)	122747400	
	Total	175455609	
6.	Departmental Charges	1518785	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 and NPV, Reclamation, SMC and Wildlife Plan and then the levies are to be deposited through online portal. In addition to the above, compliance of stipulations recorded by the C.F Central should also be submitted well in time to this office for further necessary action.

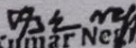
It may also be ensured that no work to be executed at the proposed site until the final approval of the competent authority is obtained and conveyed to you.

Encl As above:


Divisional Forest Officer,
Shimla Forest Division, Shimla-2.

BILL FOR COMPENSATORY PLANTATION SCHEME OVER AREA MEASURING 10 HECTARE OF FOREST LAND IN LIEU OF DIVERSION OF FOREST LAND FOR THE C/O FOUR LAINING OF PROPOSED SHIMLA BYPASS FROM KAINTHLIGHAT TO SHAKRAL SECTION (PACKAGE-I) OF NH-22 WITHIN THE JURISDICTION OF SHIMLA FOREST DIVISION, DISTT. SHIMLA, HP.

Approximate area where compensatory Afforestation can be done in hac.				10						
Plants to be planted per hactare				1100						
Total number of plants to be planted				11000						
1	2	3	4	5	6	7	8	9	10	11
particulars of works	Unit cost at wage structure per ha. For 2021-22, including plants cost	No. of Plants	Plants @ 22/- 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	89800	11000	23	253000	10	1151000	2021-22	10%	115100	1266100
1 st Year Maintenance	10600	3300	23	75900	10	181900	2022-23	20%	36380	218280
2 nd Year Maintenance	7100	2200	23	50600	10	121600	2023-24	30%	36480	158080
3 rd Year Maintenance	3700	1100	23	25300	10	62300	2024-25	40%	24920	87220
4 th Year Maintenance	3700	1100	23	25300	10	62300	2025-26	50%	31150	93450
5 th Year Maintenance	3700	1100	23	25300	10	62300	2026-27	60%	37380	99680
6 th Year Maintenance	3700	1100	23	25300	10	62300	2027-28	70%	43610	105910
7 th Year Maintenance	3700	1100	23	25300	10	62300	2028-29	80%	49840	112140
8 th Year Maintenance	3700	1100	23	25300	10	62300	2029-30	90%	56070	118370
9 th Year Maintenance	3700	1100	23	25300	10	62300	2030-31	100%	62300	124600
10 th Year Maintenance	3700	1100	23	25300	10	62300	2031-32	110%	68530	130830
Total										2514660
Contingencies Charges @ 5%										125733
Total cost of CA Scheme										2640393
Departmental Charges @ 17.5%										462069
G. Total										3102462


 Ashok Kumar Negi, HPFS
 Divisional Forest Officer
 Shimla Forest Division
 Shimla

particulars of works	Unit cost at wage structure per ha. For 2021-22 including plants cost	No. of Plants	Plants @ 28/- 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	89800	8096	28	226688	4	585888	2021-22	10%	58588.8	644477
1 st Year Maintenance	10600	2429	28	68012	4	110412	2022-23	20%	22082	132494
2 nd Year Maintenance	7100	1619	28	45332	4	73732	2023-24	30%	22120	95852
3 rd Year Maintenance	3700	810	28	22680	4	37480	2024-25	40%	14992	52472
4 th Year Maintenance	3700	810	28	22680	4	37480	2025-26	50%	18740	56220
5 th Year Maintenance	3700	810	28	22680	4	37480	2026-27	60%	22488	59968
6 th Year Maintenance	3700	810	28	22680	4	37480	2027-28	70%	26236	63716
7 th Year Maintenance	3700	810	28	22680	4	37480	2028-29	80%	29984	67464
8 th Year Maintenance	3700	810	28	22680	4	37480	2029-30	90%	33732	71212
9 th Year Maintenance	3700	810	28	22680	4	37480	2030-31	100%	37480	74960
10 th Year Maintenance	3700	810	28	22680	4	37480	2031-32	110%	41228	78708
		18624		521472			Total			1397543
							Contingencies Charges @ 5%			69877
							Total cost of CA Scheme			1467420
							Departmental Charges @ 17.5%			256799
							G. Total			1724219

(Ankit Kumar Singh JES)

Forests

BILL FOR COMPENSATORY AFFORESTATION SCHEME OVER 10 HECTARES (UPF Choaprinala) FOREST LAND IN LIEU OF PROPOSED DIVERSION OF FOREST LAND FOR Construction for Four Lanning Shimla bypass from Kaithalighat to Shakral Section in the Jurisdiction of Shimla Forest Division, HP.											
Area where compensatory Afforestation can be done in hac.	10										
Plants to be planted per ha	1100										
Total number of plants to be planted	11000										
1	2	3	4	5	6	7	8	9	10	11	12
Particulars of works	Area(in hac.)	Units cost at wage structure for 2022-23	Plantation cost	plant to be planted per hect	Total no of plant to be planted	Nursery cost per plant	Total nursery cost	Total plantation cost + nursery cost(Col. 4+8)	Year of execution of works	Add 10% Execution for undertaking works in subsequent	Total amount(Col. 9+11)
Initial cost for raising afforestation over an area of 12 ha	10	89800	898000.00	1100	11000	23	253000.0	1151000.00	2023-2024	115100.00	1266100.00
Total Cost of Raising Afforestation(A)											1266100.00
1st year maintenance	10	10600	106000.00	330	3300	23	75900.00	181900.00	2024-2025	36380.00	218280.00
2nd year maintenance	10	7100	71000.00	220	2200	23	50600.00	121600.00	2025-2026	36480.00	158080.00
3rd year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2026-2027	24920.00	87220.00
4th year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2027-2028	31150.00	93450.00
5th year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2028-2029	37380.00	99680.00
6th year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2029-2030	43610.00	105910.00
7th year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2030-2031	49840.00	112140.00
8th year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2031-2032	56070.00	118370.00
9th year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2032-2033	62300.00	124600.00
10 year maintenance	10	3700	37000.00	110	1100	23	25300.00	62300.00	2033-2034	68530.00	130830.00
Total cost of Maintenance(B)											1248560.00
Total A+B											2514660.00
25% of CA cost for Soil and Moisture conservation											628665.00
Total											3143325.00
contingencies Charges @ 5%											157166.25
Total cost of CA scheme											3300491.25
Departmental Charges @ 17.5%											561083.51
G.Total											3861574.76
or Say											3861575

Divisional Forest Officer
Kotla Forest Division, H.P.

Current rate of 2022-23 have been applied

FULL TITLE OF PROJECT: Additional Forest land requirement of 11.7936 ha. for four laning of proposed Shimla Bypass from Kaithalighat to Shakral Section (Package-I) of NH-22 (Chainage from Km 128.835 to Km.146.300) in already approved FCA case of the entire section from Kaithlighat to Dhalli. Online Proposal No. FP/HP/ROAD/151117/2022.

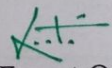
In consonance to the order dated 28.03.2008 of Hon'ble Supreme Court of India in writ petition (Civil) number 202 of 1995, the net present value of the forest being diverted is calculated as under:

The Ecological class VI includes the forest type found in the forest being diverted. The average density of the forest 0.2725 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. 10499622 for 7.6505 ha. and tunnel area 4.1431 ha. @ Rs 686205 = 2843016/- for ha. forest land being diverted.

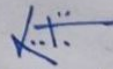
Place: Shimla

Dated:


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

RECLAMATION PLAN OF DUMPING SITES OVER SCHEME 4.4 HECTARE FOREST LAND FOR CONSTRUCTION OF CONSTRUCTION OF ADDITIONAL LAND FOR THE CONSTRUCTION OF SHIMLA BY PASS ROAD WITHIN THE JURISDICTION OF SHIMLA FOREST DIVISION IN DISTRICT SHIMLA, HP.

in hac.			4.4							
Plants to be planted per hectare			1100							
Total number of plants to be planted			4840							
1	2	3	4	5	6	7	8	9	10	11
particulars of works	Unit cost at wage structure per ha. For 2021-22	No. of Plants	Plants @ 23/- 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	89800	4840	23	111320	5	560320	2021-22	10%	56032	616352
1 st Year Maintenance	10600	1452	23	33396	5	86396	2022-23	20%	17279	103675
2 nd Year Maintenance	7100	968	23	22264	5	57764	2023-24	30%	17329	75093
3 rd Year Maintenance	3700	484	23	11132	5	29632	2024-25	40%	11853	41485
4 th Year Maintenance	3700	484	23	11132	5	29632	2025-26	50%	14816	44448
5 th Year Maintenance	3700	484	23	11132	5	29632	2026-27	60%	17779	47411
6 th Year Maintenance	3700	484	23	11132	5	29632	2027-28	70%	20742	50374
7 th Year Maintenance	3700	484	23	11132	5	29632	2028-29	80%	23706	53338
8 th Year Maintenance	3700	484	23	11132	5	29632	2029-30	90%	26669	56301
9 th Year Maintenance	3700	484	23	11132	5	29632	2030-31	100%	29632	59264
10 th Year Maintenance	3700	484	23	11132	5	29632	2031-32	110%	32595	62227
				256036			Total			1209968
							Contingencies Charges @ 5%			60498
							Total cost of CA Scheme			1270466
							Departmental Charges @ 17.5%			222332
							G. Total			1492798


 Divisional Forest Officer
 Shimla Forest Division
 SHIMLA

Cost of Willife Mangement Plan - Shimla Bypass Pkg I

Sl. No.	Description	Amount (Rs. In Lakh)
		7.6505
1	Forest land involved (A) in ha. (Excluding above tunnels)	13.809
2	Non Forest land involved (B) in ha.	21.4595
3	Total Forest land involved (A+B) in ha.	35.6509
4	% of forest land involved $7.6505 / 21.4595 \times 100$	172152
5	Total Cost of the Project	61373.70
6	Proportionate Cost of Forest $172152 \times 35.6509\%$	1227.474
7	2% Cost of Wildlife Mangement Plan $79300.27 \times 2\%$	1227.474
8	Cost of Wildlife Management Plan to be deposited	Say 12.18 Cr

Cost of Soil Moisture and Conservation Plan - Shimla Bypass Pkg I

Sl. No.	Description	Amount (Rs. In Lakh)
		7.6505
1	Forest land involved (A) in ha.	13.809
2	Non Forest land involved (B) in ha.	21.4595
3	Total Forest land involved (A+B) in ha.	35.6509
4	% of forest land involved $11.7936 / 21.4595 \times 100$	172152
5	Total Cost of the Project	61373.70
6	Proportionate Cost of Forest $172152 \times 35.6509\%$	306.868
7	0.5% Cost of Soil & Moisture Conservation Plan $79300.27 \times 0.5\%$	306.868
8	Cost of Soil & Moisture Conservation Plan to be deposited	Say 3.07 Cr
Total of WMP + SMCP		1534.342
		Say 15.34 Cr


 Divisional Forest Officer
 Shimla Forest Division
 SHIMLA