

No. RK/FCA/Domehar to Navi/ 7436  
Himachal Pradesh Forest Department  
Dated Shimla-2, the 13-03-2025

From: DFO (Rural), Shimla

To: The Nodal Officer-cum-Pr. CCF (FCA),  
O/o Pr. CCF (HoFF), HP.

Subject: **Diversion of 3.2322 ha of forest land for the construction of link road from Domehar to Navi, Tehsil Suni Distt. Shimla HP in favour of Executive Engineer (Rural) HPPWD Dhami Tehsil and District Shimla, HP under the jurisdiction of Shimla Forest Division, Himachal Pradesh (Online Proposal No. FP/HP/ROAD/25347/2017)**

Sir,

May kindly refer to the Integrated Regional Office, Chandigarh, MoEFCC, online letter No. I/95333/2025 dated 29<sup>th</sup> January, 2025 on the subject cited above.

2. The point wise reply with respect to the observation raised by the Integrated Regional Office, Chandigarh, MoEF&CC vide letter referred to above is given as follows: -

Sl. No.	Observation	Compliance
1.	In reference to observation No-B (iii), Reply Not Accepted, Revised CA scheme has been submitted with irrigation components which is for Rs. 494497+24725 (contingency charges), however as the DFO Demand draft the amount is Rs 32,14,231+1,60,712 (contingency charges) for CA scheme. State Govt shall submit the correct details with justification, duly authenticated by DFO concerned.	In this regard, it is submitted that Justification CA Bill has been prepared by this office attached as Annexure - I
2.	In reference to observation No-B (viii), Reply Not Accepted, State Govt shall submit the detailed Soil Moisture conservation plan with details of protection/conservation measures undertaken in the instant proposal, duly authenticated by DFO concerned	In this regard, it is submitted that detailed Soil Moisture conservation plan with details of protection/conservation, has been submitted and duly authenticated by DFO concerned attached as Annexure - II

This is for favour of kind information and necessary action, please.

(Dhivya N), IFS  
Divisional Forest Officer (Rural),  
Forest Division Shimla.  
Tel.No.- 0177-2623412  
E-mail: head-fordivshi.hp@hp.gov.in

**Full Title of the Project:**

**Annexure-** 

**Diversation of 3.2322 ha of Forest land for the construction of link road from Dumehar to Navi, Tehsil – Suni, District – Shimla, IIP, in favour of Executive Engineer, Himachal Pradesh Public Works Department, Shimla Rural Division, Dhami, falls within the jurisdiction of Shimla (Rural) Forest Division.**

**Online Proposal No.**

**FP/IIP/Road/25347/2017**

**Proposal Submission Date**

**25<sup>th</sup> January, 2020**

### **Justification regarding CA Scheme Bill**

It is submitted that Revised CA scheme has been submitted irrigation components, amounting to Rs. 494,497 plus Rs. 24,725 in contingency charges, which is the required amount for 1 hectare of CA land. However, the proposed CA land is 6.50 hectares. Accordingly, the CA amount is calculated as  $\text{Rs. } 494,497 \times 6.50 = \text{Rs. } 32,14,231$ , and the contingency charges as  $\text{Rs. } 24,725 \times 6.50 = \text{Rs. } 1,60,712$ . Adding all the components of the CA scheme, including the CA amount (Rs. 32,14,231), contingency charges (Rs. 1,60,712), other charges (Rs. 92,500), and departmental charges (Rs. 5,62,491), the total sum amounts to Rs. 40,29,934, as mentioned in the last row of the CA bill. Therefore, the cost calculation and the total sum presented in the submitted CA scheme bill is accurate and justified.



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



In lieu of 3.25 Hac. of Forest Land in favour of IIPPWD for the C/o link road from Domehat to Navl, within the jurisdiction of Shimla Forest Division, District Shimla (H.P.). In this proposal CA scheme in term of plantas 1100 plants per hactare with 10 year maintainance schedule has been prepared as per below:-

# **BILL OF COMENSATORY AFORESTATION SCHEME**

Sr. No.	Particulars of Works	Unit	Qty.	Rate per unit of wage rate of Rs.	Amount
<b>A</b>	<b>Survey &amp; demarcation &amp; Fencing</b>				
1	Survey & Demarcation of Plantation area	Ha.	1	252.5	252.5
2	Cost of RCC Fence Posts	No.	50	450	22500
3	Fixing of RCC Fence post i/c strutting	No.	50	1740.87	870.44
4	Carriage of RCC fence posts	No.	50	L/s	7500
5	Carriage of B/wire over a distance of 2 kms	Km/qty.	0.75	248.47	372.71
6	Stretching & Fixing of Barbed Wire in Strands	Rmt.	750	12	9000
7	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4	600
8	Cost of B/Wire	Qty.	1.10	9000	9900
9	Cost of U-Nails	Qty.	0.05	8800	440
	<b>Total</b>				<b>51435.64</b>
	<b>Or say</b>				<b>51400</b>
<b>B</b>	<b>PLANTING</b>				
1	Digging of Pits of 45x45x45 cm size for normal plants.	No.	800	23.85	19080
2	Digging of Pits of 60x60x60 cm size for Tall Plants	No.	300	43.625	13087.5
3	Filling of Pits of 45x45x45 cm size for normal plants.	No.	800	6.8	5440
4	Filling of Pits of 60x60x60 cm size for Tall Plants	No.	300	6.35	1905
5	Planting of Normal Plants	No.	800	5.45	4360
6	Planting of Tall Plants	No.	300	16.3575	4907.25
7	Construction of inspection Path	Rmt.	100	27.5	2750
8	Construction of staggered contour trenches	Rmt.	600	30	18000
9	Planting in gradional trenches	No.	LS		2000
10	Digging of Forest soil, carriage and mixing in the pits	No.	L/s		12000
11	Carriage of normal plants over distance 2 km uphill/ downhill	Km/No.	800	4.75	3800
12	Carriage of Tall Plants over distance 2km uphill/downhill	No.	300	36.9	11070
13	Cost of manure, carriage and application in pits	No.	L/s		3000
14	Mulching with local grasses/shrubs	No.	1100	2.12	2332
15	Weeding and hoeing	No.	1100	1.77	1947
16	Watering during lean season	No.	8	L/s	16000
17	Sign Board, Carriage & Fixing	No.	0	L/S	5000
	<b>Total</b>				<b>126678.75</b>
	<b>Or say</b>				<b>126678</b>
<b>C</b>	<b>Other necessary activity</b>				
1	Contingency, photography & IT Costs @3%				4779
2	Cost of Normal Nursery plants	No.	800	20.83	16664
3	Cost of Tall Nursery plants	No.	300	68.68	20604
4	Soil conservation work @25% of plantation cost				39825
5	Watch & ward of plantation for six month	Days	180	375	67500
6	Biofertilizers,			L/s	3000
7	Hydrogel			L/s	5000
	<b>Total</b>				<b>157372</b>
	<b>Or say</b>				<b>157372</b>
	<b>Total A+B+C</b>				<b>335450</b>
	<b>10% increase on new planting</b>				<b>33545</b>
<b>D</b>	<b>Total A+B+C+D</b>				<b>368995</b>
<b>E</b>	<b>Detail of year wise break up to fund requirement for maintenance fo plantation is as under:-</b>				

Dy. No. 870  
Date 24/05/2024  
Shimla Forest Division

	1st year Maintenance 10 % increase				
	2nd year Maintenance 20 % increase	hec.	1	11400	12540
		hec.	1	7700	9240
				3900	
	3rd year Maintenance 30 % increase				
	4th year Maintenance 40 % increase	hec.	1		5070
	5th year Maintenance 50 % increase	hec.	1	3900	5460
	6th year Maintenance 60 % increase	hec.	1	3900	5850
	7th year Maintenance 70 % increase	hec.	1	3900	6240
	8th year Maintenance 80 % increase	hec.	1	3900	6630
	9th year Maintenance 90 % increase	hec.	1	3900	7020
	10th year Maintenance 100 % increase	hec.	1	3900	7410
					7800
					73260
	<b>Total</b>				
F	Cost of Nursery plants to be used in maint. For ten year	Nos.	1485	35.18	52242
	<b>Total</b>				52242
	<b>G.Total A+B+C+D+E+F</b>				494497
	Add 17.5% department Charges				865
	Add 5% contingencies Charges				24725
H	<b>G.Total A+B+C+D+E+F+G+H</b>				605759
I	Irrigation for plantation				
	Purchasing of Pipe 64mm	rmt	250	150	37500
	Laying & fixing 64 mm pipe	rmt	250	100	25000
	Carriage of pipe by manual labour and transportation M/V				30000
	<b>Total</b>				92500
	Area to be afforested=6.50 hect.				
	Cost of Compensatory afforestation				
	<b>6.50x605759=3937435+92500= 4029935</b>				4029935
	<b>Or Say Rs.</b>				

(Rs Forty lakhs twenty nine thousand nine hundred thirty-five only)

Note :- These rates will be applicable if the payment is made before the revision of daily wages rates, if any be the H.P. State Government.

Irrigation component has been added as part of the scheme as it is difficult to ensure survival of plant without a continuous source of water in this area.

Dy. Conservator of Forests  
Chamba Forest Division, Chamba





## HIMACHAL PRADESH FOREST DEPARTMENT



### SOIL AND MOISTURE CONSERVATION PLAN

IN LIEU DIVERSION OF 3.2322 HAC OF FOREST LAND IN FAVOUR OF EXECUTIVE ENGINEER (RURAL ) HPPWD DIVISION DHAMI SUB- TEHSIL- DHAMI DISTT- SHIMLA HP FOR THE CONSTRUCTION OF LINK ROAD FROM DUMEHAR TO NAVI TEHSIL- SUNI SHIMLA RURAL FOREST DIVISION, DISTRICT SHIMLA HIMACHAL PRADESH. PROPOSAL NO -FP/HP /ROAD /25347/2017





## **INTRODUCTION TO DIVISION/LOCATION SPECIFIC SMC PLAN:**

It is important that a SOIL AND MOISTURE CONSERVATION PLAN should provide site specific prescription for the activities to be undertaken under each heading of the SMC Plan components.

### **Objective of Study.**

The broad objectives for preparation of Soil and Moisture Conservation are outlined as under:

- i) Checking soil erosion and land degradation by taking up adequate and effective soil conservation measures, both engineering as well as biological, in erosion prone areas (mainly under very severe and severe erosion intensity categories)
- ii) Rehabilitation of degraded forest areas through forestation and facilitation natural regeneration.

### **Analysis of problem: -**

#### **Soil Erosion:**

Lack of vegetal cover is a contributing factor for accelerated soil erosion in the tract as also for environmental degradation. While ideally, dense tree cover or forests would have been the best insurance against soil loss and environmental degradation, the condition in the tract are otherwise, Large areas are either blank or bear thin tree crop. The lower reaches of the tract along the river are generally barren and devoid of any tree growth. The good forests are confined to upper reaches. Thus these natural conditions are a limiting factor in addressing the problem of soil erosion and environmental degradation, the condition in the tract are otherwise. Large areas are either blank or bear thin tree crop. The lower reaches of the tract along the river are

Generally barren and devoid of any tree growth. The good forests are defined to upper reaches. Thus these natural conditions are all limiting factor in addressing the problem of soil erosion and environmental degradation. Nevertheless, remedial measures can be undertaken to minimize their impact to some extent.

### **Treatment measures: -**

SOIL AND MOISTURE CONSERVATION PLAN is the optimal use of Soil and water resources within a given geographical area so as to enable sustainable production. It implies changes in land use, vegetative cover, and other structural and non-structural action that are taken in SMC. The overall objectives of SOIL AND MOISTURE CONSERVATION PLAN are to:

- Increase infiltration into soil
- Control excessive runoff
- Manage & utilize runoff for useful purpose

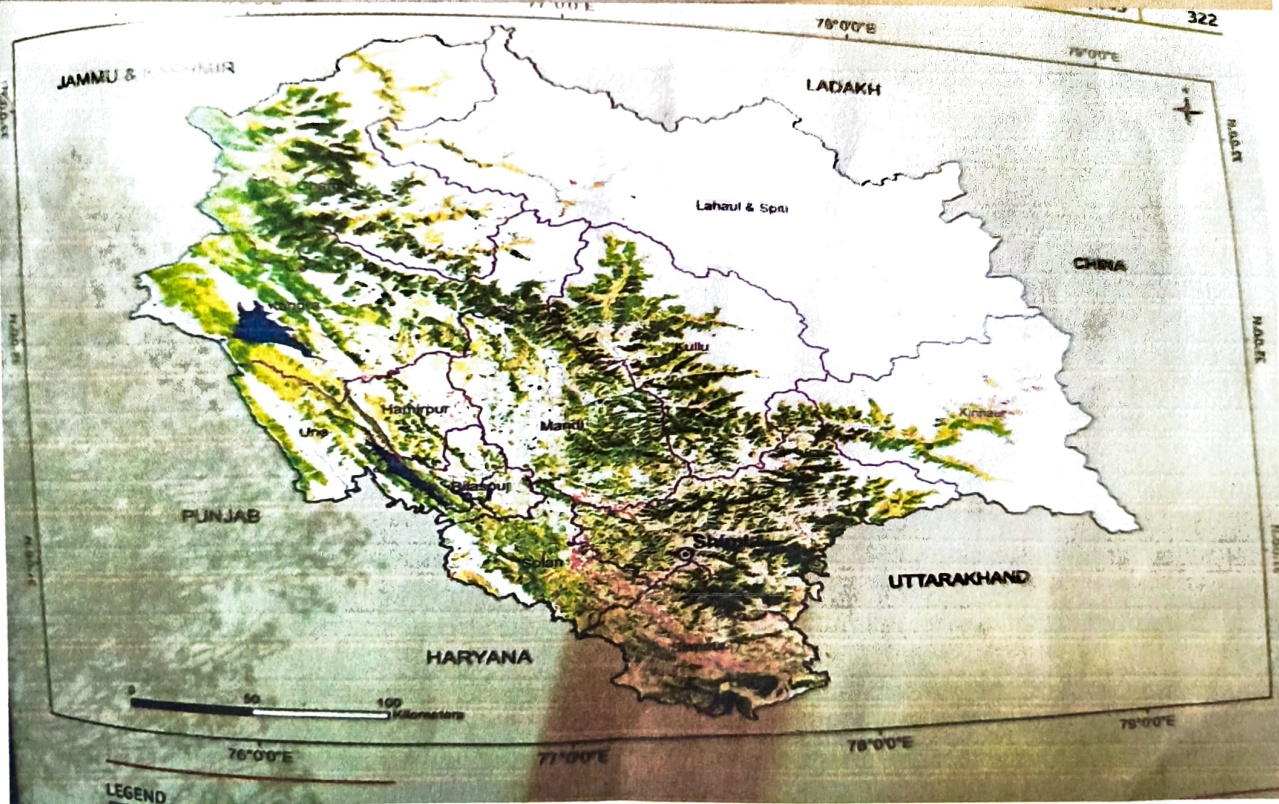
### **Shrub/bioengineering Plantation: -**

#### **Engineering measures:**



- i) Moisture Retention measures
- ii) Drainage Line Treatment
- iii) Stabilization of landslide/landslips

## SLOPE, ELEVATION, LANDUSE, LANDCOVER AND ASPECTS OF KARSOG, KOTGARH & SHIMLA RURAL FOREST DIVISIONS





## U-20 DAMEHAR

Scale 1 : 15000

Area : 228.60 hac.



### LEGEND

CHIL  
BAN WITH CHIL  
CULTIVATION



W.P.O. SHIMLA

### Slope

The slope has a great influence on the soil and water loss from the area and thereby influences the land-use capability. The slope determines the erosion susceptibility of the soil depending on its nature. This helps in classifying various lands in suitable capability classes which enables us to formulate suitable conservation measures for the prevention of soil erosion,

### Land-use/Land Cover

For the preparation of land use/ land cover classification of the catchment area, forest cover data for the year 2017 has been procured from Forest Survey of India (FSI). FSI has classified the area into five classes viz., very dense forest, moderately dense forest, open forest, scrub land and non-forest. The forest cover is broadly classified in 3 classes, namely very dense forest, moderately dense forest and open forest. The other classes include scrub and non-forest. These classes are defined as below:

**Very Dense Forest:** All Lands with tree cover of canopy density of 70% and above

**Moderately Dense Forest:** All lands with tree cover of canopy density between 40% and 70% above

**Open Forest:** All lands with tree cover of canopy density between 10% and 40%

**Scrub:** All forest lands with poor tree growth mainly of small or stunted trees having canopy density less than 10%

**Non Forest:** Any area not included in the above classes

All the classes except non forest classified by FSI were used as it is and the non-forest area was further classified into grazing land, agricultural land, settlement, barren land and water body. These classes are defined as below.

**Agriculture Land:** These are the lands primarily used for farming and for production of food, fiber, and other commercial and horticultural crops.



**Settlement:** It is an area of human habitation developed due to non-agricultural use and that has a cover of buildings, transport and communication, utilities in association with water, vegetation and vacant lands. It consists of urban as well as rural areas

**Grazing:** These are the areas of natural grass along with other vegetation, predominantly grass-like plants and non-grass-like herbs (except Lantana species which are to be classified as scrub). It includes natural/semi-natural grass/grazing lands of Alpine/Sub-Alpine and manmade grasslands.

**Barren Land:** These are rock exposures of varying lithology often barren and devoid of soil and vegetation cover.

**Water body (River):** Rivers/streams are natural course of water flowing on the land surface along a definite channel/slope labialization of landslide/landslips




**TABLE: - PHYSICAL AND FINANCIAL TARGET**

**SOIL AND MOISTURE CONSERVATION (SMC) MEASURES IN RESPECT OF SHIMLA RURAL FOREST DIVISION IN LIEU OF CONSTRUCTION OF ROAD FROM DOMEHAR TO NAVI IN DHAMI HPPWD DIVISION IN LIEU OF DIVERSION OF 3.2322 HAC OF FOREST LAND**

Summary of SMC works				
Sr no	Name of component and sub activity	Range		
		Physical	Unit and rate	Financial(RS)
	Soil moisture and conservation works			
1	c/o crate wire check dams	6	40000/-	2,40,000/=
2	Planting of shrub /bio engineering species	L/S	50,000/=	50,000/=
3	Trenches	L/S	50,000/=	50,000/=
			TOTAL	3,40,000/=

  
Range Forest Officer  
Bhajji, Forest Range Office  
Sunni, Distt. Shimla (HP)

  
45  
Divisional Forest Officer  
Shimla Forest Division  
SHIMLA