

No.FCA /RK/ 7259 /

H.P. Forest Department.

Dated : Dharamshala, the/ 09-02-2023

From:

Divisional Forest Officer,
Dharamshala Forest Division,
Dharamshala.

To:

The Executive Engineer,
Jal Shakti Division Dharamshala,
Dharamshala, District - Kangra H.P.

Subject: Diversion of 0.4047 Ha. of Forest land in favour of I & PH Department, Himachal Pradesh for the construction of Septage Treatment Plant at Sakoh, within the jurisdiction of Dharamshala Forest Division, District Kangra, Himachal Pradesh. (Online Proposal No. FP/HP/Others/50258/2020)

Sir,

Kindly refer to Govt. of India Ministry of Environment, Forests & Climate Change, Integrated Regional Office Shimla, Letter No. F.C./H.P.B./09/43/2021 dated 15.09.2022 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-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 "in-principal" 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)	4,06,808/-	e-payment	E-challan in Adhoc Campa Account through Online portal on Parivesh, as per stipulation No. 3, 4 and 11 of "In-principle Approval.
Compensatory Afforestation	3,66,411/-	e-payment	
5% Contingency on CA Scheme	18,321/-	e-payment	
Cost of Soil & Moisture Conservation Plan (SMCP)	5,62,100	e-payment	
Total Amount to be deposited through online (CAMPA Account)	13,53,640/-		

Departmental Charges 17.5% on CA	67,328/-	State Govt. Head	The amount be deposited with this office in the shape of demand draft in favour of DFO Dharamshala payable at Dharamshala
Cost of Trees	12,664/-		
Total Amount to be deposited in State Head	79,992/-		
Grand Total (Rs.)	14,33,632/-		


3 In addition to above, you are also requested to go through the other stipulations of the "in-principle" approval and compliance be reported alongwith Undertaking as per condition No. 11 of the in-principle approval to this office complete in all respect, so that the Stage-II approval could be sought from the competent authority.

Encl: As stated.


Divisional Forest Officer,
Dharamshala Forest Division,
Dharamshala.

**BILL FOR NET PRESENT VALUE FOR DIVERSION OF FOREST LAND FOR
CONSTRUCTION OF SEPTAGE TREATMENT PLANT AT SAKOH IN MOHAL
PANJLEHAR, TEHSIL DHARAMSHALA, DISTRICT KANGRA (H.P.)**

<u>Eco-Value Class</u>	<u>Area in Hectare</u>	<u>Rate(per Hectare)</u>	<u>Total Amount (Rs.)</u>
ClassV Open Forest Class	0.4047	1005210.00	406808.00
TOTAL AMOUNT			406808.00


Divisional Forest Officer
Dharamshala Forest Division
Dharamshala

DIVERSION OF 0.4047 HA. OF FOREST LAND FOR CONSTRUCTION OF SEPTAGE TREATMENT PLANT AT SAKOH IN DHARAMSHALA, DISTRICT KANGRA, (H.P.)

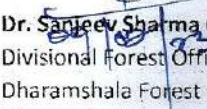
FILE NO.

FP/HP/Others/50258/2020

DATE OF PROPOSAL

Scheme for Compensatory Afforestation for 2022-23 in lieu of Diversion of 0.4047 ha of forest land for Construction of Septage Treatment Plant at Sakoh in Tehsil Dharamshala, District Kangra, H. P.					
Sr. No.	Particulars of work	Quantity	Unit	Rate in Rs. @ Wage Rate Rs. 150/-	Amount in Rs. @ Wage Rate Rs. 350/-
1	Survey & demarcation of plantation area	1	Hac	101	235.67
2	Bush Cutting in Strips	1	Hac	1192.8	2783.20
3	Collection of Debris and Burning	1	Hac	681.80	1590.87
4	Preparation of inspection path 60 cm wide	250	m	11.00	6416.67
5	Digging of Pits 60cm x 60cm x 60cm	810	No.	1745.00%	32980.50
6	Filling of Pits 60cm x 60cm x 60cm	810	No.	254.00%	4800.60
7	Carriage of plants in P/bags from Nursery to Work Site O/D 1 Km (Level)	810	No.	1476.00%	27896.40
8	Planting of Tall Plants i/c ramming	810	No.	654.30%	12366.27
9	Cost of RCC Fence Post	50	No.	358	41766.67
10	Carriage of RCC Fence Post	50	Lumsum	8000.00%	8000
11	Fixing of RCC Post i/c strutting	50	No.	696.35%	812.41
12	Stretching and fixing of Barbed Wire with U-staple in four stand	585	Rmt.	4.8	6552.00
13	Interlacing of thorny bushes with barbed wire	195	Rmt.	4	1820.00
14	Cost of barbed wire	0.084	MT	65100	5468.4
15	Cost of U-staple	0.001	MT	64000	64
16	Mulching of Plants	810	No.	84.80%	1602.72
17	Nursery Cost of Plant	810	NO.	57	46170.00
18	Irrigation as per need / Photography etc.			Lumsum	2500
	Total				203826
	Total Cost				203826
	Add 10 % Increase				20383
	Total Plantation Cost				224209

MAINTENANCE COST								
	Year	Amount	Number of Plants	Cost of Plants	Total Amount	Increase %	Increased Amount	Total Maintenance Cost
19	1st year Maintenance	7480	243	57	21331	20%	4266	25597
20	2 nd year Maintenance	4140	162	57	13374	30%	4012	17386
21	3 rd year Maintenance	2470	81	57	7087	40%	2835	9922
22	4 th year Maintenance	2470	81	57	7087	50%	3544	10631
23	5 th year Maintenance	2470	81	57	7087	60%	4252	11339
24	6 th year Maintenance	2470	81	57	7087	70%	4961	12048
25	7 th year Maintenance	2470	81	57	7087	80%	5670	12757
26	8 th year Maintenance	2470	81	57	7087	90%	6378	13465
27	9 th year Maintenance	2470	81	57	7087	100%	7087	14174
28	10 th year Maintenance	2470	81	57	7087	110%	7796	14883
Total Maintenance Cost								142202
Grand Total								366411
Constituency Charges @ 5%								18321
Total								384732
Departmental Charges @ 17.5%								67328
Grand Total								452060
Total Cost of CA for 810 Tall Plants								452060


 Dr. Sanjeev Sharma (HPFS)
 Divisional Forest Officer
 Dharamshala Forest Division
 Dharamshala

SOIL & MOISTURE CONSERVATION PLAN FOR SEPTAGE TREATMENT PLANT AT SAKOH **TEHSIL DHARAMSHALA, DISTRICT KANGRA**

Himachal Pradesh is a hilly terrain with rolling topography and sloppy lands. The rain fall is high in rainy season which add the problems of soil and moisture conservation, where water scarcity is experienced in other seasons. Keeping in view, the importance of soil and moisture conservation, the Forest Department is implementing soil conservation and soil erosion control schemes in various projects being implemented for non-forestry use. The detail of various measures adopted for soil and moisture conservation plan are as under :

a. BIOLOGICAL MEASURES

Biological or vegetative measures will be taken as they are eco- friendly, sustainable and cost effective. These measures are normally adopted on lands milder slopes, less runoff and sediment flow.

Objectives

- To reduce splash erosion by moderating the impact of rain drops.
- To reduce runoff velocity and increase infiltration opportunity time.
- To slow down wind speed.
- To trap fine soil and nutrients.
- To improve physio-chemical properties of the soil and help in conserving moisture in low rainfall areas.

Types of Biological Measures

- Vegetative Barriers
- Bamboo Plantation
- Plantation of Salix species

b. MECHANICAL MEASURES

The mechanical measures are also proposed alongwith biological measures to check erosion to a desired level due to high velocity of run off or discharge. The mechanical measures not only check soil erosion but also conserve moisture for plantation and maintain green cover. Basically these measures constitute a series of mechanical barriers constructed across the slope to reduce or break the length of slope only or both the length and degree of slope to dissipate the energy of flowing water.

The selection and suitability of engineering control measures to be adopted under different locations depend on soil depth, rainfall and land slope.

- Loose Stone Check Walls
- Gabion Structures

c. DRAINAGE LINE TREATMENT

Drainage line which carry runoff and sediment flow. They may have different forms such as drainage channels, gullies, natural / artificial waterways, streams, rivers or torrents.

Objectives:-

- Check soil erosion in the channel bed and adjoining lands.
- Improve moisture in the land.
- Protect banks/side slopes from undercutting or scouring.
- Recharge ground water.
- Flow guidance, bank protection and / or land reclamation in the downstream torrents.

d. COST ESTIMATION

SR.NO.	NAME OF WORK	DESCRIPTION OF WORK	ESTIMATED AMOUNT
1.	Main Nala (Charan Khad)		
a.	Crate Protection Work	50 x 1.00 x 0.60	2,67,525/-
b.	Step 1	50 x 1.30 x 1.00	
c.	Step 2	50 x 1.00 x 1.00	
2.	Nala 2		
a.	Crate Protection Wall	10 m	50,000/-
b.	Crate Protection Wall	20 m	75,000/-
c.	Crate Protection Wall	30 m	1,00,000/-
d.	Crate Breast Wall	15 m	50,000/-
3.	Bamboo Plantation (Nursery Cost @ Rs. 45/- per Plant)	25 x 45	1,125/-
4.	Salix Plantation (Nursery Cost @ Rs 57/- per plant.)	50 x 57	2,850/-
5.	Carriage of Plants (Rs. 35 per Plant)	75 x 35	2,625/-
6.	Digging of pit for plantation.	75 x 42	3,150/-
7.	Planting Cost @ Rs. 16 per Plant	75 x 16	1,200/-
8.	Cost of Barbed wire Fencing for protection of Plants @ Rs. 60/- per plant.	75 x 60	4,500/-
9.	Irrigation as per need	Lumsum	1,500/-
10.	Maintenance Cost for 10 Years		2,625/-
Total Cost of Soil & Moisture Conservation Plan			5,62,100/-

Dated : 27-01-23

Place : Dharamshala

Divisional Forest Officer
Dharamshala Forest Division
Dharamshala