

Scheme of compensatory afforestation

Detail scheme of compensatory afforestation of be carried out in lieu of diversion of 5.18 hac area to be diverted for construction of Shanad to Shrikot road in Kullu District.

1. Detail of degraded of forest land

Village	:	
Tehsil	:	Banjar
Name of Division	:	GHNP Division, Shamshi
Name of Range	:	Wildlife Range, Tirthan.
Name of Block	:	Gushaini
Name of Forest	:	Nohanda IIIrd UPF
Compartment/Survey Sheet No	:	53E/6/SW (1:50000)
Area proposed for CA 5.18 x 2	:	10.36 hac

2. Description of area

- (i) Whether the site selected for compensatory Afforestation is a land bank or not : Not
- (ii) If the CA site is other than the land bank, Reason be given. Compact patch of CA is not Available.
- (iii) In case of non forest area identified for CA then what is the distance of CA site from the adjoining forest boundary. N.A.
- (iv) Soil Type
- (v) Topography
 - a. Hilly/undulating/plain/slopy : Hilly
 - b. Steep/Medium/Gentle : Moderate
- (vi) 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 Break up to be enclosed	: Copy enclosed.
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Schedule of plantation program

Detail of year wise breakup of requirement of funds is as under:-

Sr.No.	Particulars	Area in hac.	Rate/Hac. in Rs.	Total
1.	Afforestation including soil and moisture conservation	1 hac	84350	84350
2.	Maintenance			
	Ist Year		13635.00	13635.00
	2 nd Year		9140.00	9140.00
	3 rd Year		4645.00	4645.00
	4 th Year		4645.00	4645.00
	5 th Year		4645.00	4645.00
	6 th Year		4645.00	4645.00
	7 th Year		4645.00	4645.00
	8 th Year		4645.00	4645.00
	9 th Year		4645.00	4645.00
	10 th Year		M0.4645.00	4645.00
			Total Rs.	144285.00
3.	Area to be taken for CA	10.36 x 146285		1494792.60
3.	Supervision/departmental charges @ 17.5%			261588.70
4.	Add.contingencies @ 5% on total cost			74739.63
	Grand Total			1831120.93
	Or Say			1831000.00


Technical details :

Technical details of compensatory afforestation scheme are as follows:

- (a) General detail : The area shall be closed to improve the Vegetation cover will remain the soil cover and moisture.
- (b) Spacement : 8'x8'
- © Species :

<u>Deo</u>	<u>Chulli</u>	<u>Anar (Dadu)</u>	<u>Total</u>
8900	2196	300	11396
- (d) Plantation method (sizes) : Pit digging (45x45x45 & 30x30x30 cm) & planting.
- (e) Soil and moisture conservation works Small scale engineering and works and bioengineering works will be carried out in order to stabilized the eroded area.
- (f) Protection (fencing, watchmen, people) B/Wire fencing and social fencing i.e. people participation.
- (g) Proposed monitoring mechanism As per system directed by government.
- (h) Any other information Nil


Divisional Forest Officer,
GHNP Division, Shamshi.


Conservator of Forest,
National Park, Shamshi.

BILL FOR COMPENSATORY AFFORESTATION SCHEME				
in lieu of diversion of 5.18 ha of forest land for the construction of				
Shanad to Shrikot Road in Distt.Kullu in favour of HPPWD, Banjar				
PER HECTARE COST NORM FOR MODEL PLANTATION UNDER				
1100 plant per Ha with RCC fence posts				
Area taken for CA = 5.18 X 2=10.36 ha Species to be planted (conifer & B.L)				
S.N.	Particular of work	Unit	Qty	Amount in Rs.
FENCING:-				
1	Survey & demarcation of plantation area		1Hec	141.4
2	Preparation/purchase of RCC fence posts		50 Nos	12500.00
3	Carriage of RCC fence post up to 2 mtr. Long			
	Over distance 2 KM		50 Nos	4690
4	Preparation/digging of holes 20 x 30 x 50 CM size		50 Nos	634.2
5	Fixing of RCC fence posts i/e strutting		50 Nos	501.2
6	Carriage of barbed wire over distance 2 Km			
	uphill/ downhill		0.75 QH	154.67
7	Stretching & fixing of barbed wire in 4 stands		600 Rmt	403200.00%
8	Interlacing of thorny bushes along the fence		150 Rmt	85890.00%
9	cost of Barbed wire		0.75 QH	488250.00%
TOTAL FENCING COST :				28394.87
				or say
				2840000.00%
PLANTING:-				
1	Bush Cutting in strips (3m x 3m)	1	1ha	166992.00%
2	Digging of pits 45x45x45 cm size	No.	1100 Nos	1469160.00%
3	Filling of pits 45x45x45 cm		1100 Nos	418880.00%
4	Carriage of plants in p bags over distance 2KM			
	uhill/ downhill		1100 Nos	5852.00
5	Planting of plants rised in P/bags		1100 Nos	3357.2
6	Construction of inspection Paths		100 rmt	1540
7	Cost of sign Board, carriage & Fixing		L/S	450
8	Nursery cost of Plants @ Rs. 22 per plant		1100 Nos.	24200
TOTAL PLANTING COST :				5594952.00%
				5595000.00%
				or say
GRAND TOTAL:-				8435000.00%

4th year maintenance (10% Beating up)			
1	Re digging of pits 45x45x45 cm	110 Nos	734.58
2	Filling of pits 45x45x45 cm	110 Nos.	418.88
3	Planting of Plants raised in P/ Bags	110 Nos.	335.72
4	Carriage of Plants in P bags over distance		
	2 KM uphill/ down hill	110 Nos	585.2
5	Repair of fencing	60 Rmt.	151.2
6	Nursery cost of Plants	110 Nos	242000.00%
TOTAL :-			4645.58
SAY Rs. :-			464500.00%

5th year maintenance (10% Beating up)			
1	Re digging of pits 45x45x45 cm	110 Nos	734.58
2	Filling of pits 45x45x45 cm	110 Nos.	418.88
3	Planting of Plants raised in P/ Bags	110 Nos.	335.72
4	Carriage of Plants in P bags over distance		
	2 KM uphill/ down hill	110 Nos	585.2
5	Repair of fencing	60 Rmt.	15120.00%
6	Nursery cost of Plants	110 Nos.	2420
TOTAL:-			464558.00%
SAY Rs. :-			4645
6th year maintenance (10% Beating up)			
1	Re digging of pits 45x45x45 cm	110 Nos	734.58
2	Filling of pits 45x45x45 cm	110 Nos.	418.88
3	Planting of Plants raised in P/ Bags	110 Nos.	335.72
4	Carriage of Plants in P bags over distance		
	2 KM uphill/ down hill	110 Nos	58520.00%
5	Repair of fencing	60 Rmt.	151.2
6	Nursery Cost of Plants	110 Nos.	242000.00%
TOTAL:-			4645.58
SAY Rs. :-			464500.00%
Contd..... P/4			

7th year maintenance (10% Beating up)				
1	Re digging of pits 45x45x45 cm	110 Nos	734.58	
2	Filling of pits 45x45x45 cm	110 Nos.	418.88	
3	Planting of Plants raised in P/ Bags	110 Nos.	335.72	
4	Carriage of Plants in P bags over distance			
	2 KM uphill/ down hill	110 Nos	58520.00%	
5	Repair of fencing	60 Rmt.	151.2	
6	Nursery Cost of Plants	110 Nos.	242000.00%	
TOTAL:-			4645.58	
SAY Rs. :-			464500.00%	
8th year maintenance (10% Beating up)				
1	Re digging of pits 45x45x45 cm	110 Nos	734.58	
2	Filling of pits 45x45x45 cm	110 Nos.	418.88	
3	Planting of Plants raised in P/ Bags	110 Nos.	335.72	
4	Carriage of Plants in P bags over distance			
	2 KM uphill/ down hill	110 Nos	58520.00%	
5	Repair of fencing	60 Rmt.	151.2	
6	Nursery Cost of Plants	110 Nos.	242000.00%	
TOTAL:-			4645.58	
SAY Rs. :-			464500.00%	
9th year maintenance (10% Beating up)				
1	Re digging of pits 45x45x45 cm	110 Nos	734.58	
2	Filling of pits 45x45x45 cm	110 Nos.	418.88	
3	Planting of Plants raised in P/ Bags	110 Nos.	335.72	
4	Carriage of Plants in P bags over distance			
	2 KM uphill/ down hill	110 Nos	585.2	
5	Repair of fencing	60 Rmt.	151.2	
6	Nursery Cost of Plants	110 Nos.	2420	
TOTAL:-			464558.00%	
SAY Rs. :-			4645	

10th year maintenance (10% Beating up)			
1	Re digging of pits 45x45x45 cm	110 Nos	734.58
2	Filling of pits 45x45x45 cm	110 Nos.	418.88
3	Planting of Plants raised in P/ Bags	110 Nos.	335.72
4	Carriage of Plants in P bags over distance		
	2 KM uphill/ down hill	110 Nos	585.2
5	Repair of fencing	60 Rmt.	151.2
6	Nursery Cost of Plants	110 Nos.	2420
TOTAL:-			4645.58
SAY Rs. :-			4645.00

ABSTRACT:-

New Plantation			
	1st Year Maintenance	84350.00	
	2nd Year Maintenance	13635.00	
	3rd Year Maintenance	9140.00	
	4th Year Maintenance	4645.00	
	5th Year Maintenance	4645.00	
	6 th year Maintenance	4645.00	
	7th year Maintenance	4645.00	
	8th year Maintenance	4645.00	
	9th year Maintenance	4645.00	
	10th year Maintenance	4645.00	
GRAND TOTAL:-		144285.00	
Area to be taken for Comepensatory Afforestation =			
	Cost for compensatory a forestation = x 10.36	144285	10.36 ha
	Add 17.50% departmental charges on CA	1494792.6	
	Add 5% Contingency charges on CA	261588.705	
	Total Compensatory a forestation scheme cost	1831120.935	
	or say	1831121	

Note:-1

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Above scheme is liable to correct as per instruction/guide lines issued by the Govt. time to time.
Any Bonafide mistake grammatical or other wise shall be liable to corrected.

Range Forest Officer,
Wild Life Range, Tirthan

Divisional Forest Officer,
GHNP Division, Shamshi.

Conservator of Forests,
National Park, Shamshi