

SCHEME FOR COMPENSATORY AFFORESTATION

Detail Scheme for compensatory Afforestation to be carried out in-liu Forest land for Non Forest Purpose i.e. construction of Govt. Polytechnic College Lahaul & Spiti at Udaipur, Distt. Lahaul & Spiti in the state of Himachal Pradesh reg. Forest clearance work under FCA 1980 with in the jurisdiction of Udaipur Forest Range, under Lahaul Forest Division with in the jurisdiction of Udaipur Forest Range, under Lahaul Forest Division with in the jurisdiction of Udaipur Forest Range, under Lahaul Forest Division

1. Details of degraded forest land/non forest land:-

Area:- Shinden Phat		4.08 hectare
Tehsil:- Udaipur		District Lahaul & Spiti
Name of Forest Division: Lahaul		Range Udaipur
Block: Udaipur		Survey No.
Area to be afforested:- 4.08 Hectare		
GPO Co-ordinates N 32° 43' 12" E 076° 40' 23"		

2. Description of area:-

- i. Weather the site selected for compensatory afforestation is a land bank or not:- **YES**
- ii. If the CA site is other than land bank, reason be given:- **No**
- iii. In case of non forest area identified in form A, then what is the distance of CA site from the adjoining area boundary:- **CA area identified is within forest area.**
- iv. Soil type:- **Sandy- Loamy/apparently deep.**
- v. Topography:- **Hilly to moderately sloping**
- vi. Whether the area is bearing any root stock of vegetation:- **Yes**
- vii. Plantation model:- **Departmental**

Copy of approved compensatory afforestation Scheme/ Model showing component wise physical and financial break up is enclosed.

Schedule of Plantation Programme:-

3. Detail of year wise break up of requirement of funds is under:-

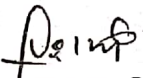
Sr. No.	Year	Amount
		158080.13
1	New Plantation i/c 10% increase	40800.00
2	1st Year Maintenance for 4.08 hectare	27336.00
3	2nd Year Maintenance for 4.08 hectare	20808.00
4	3rd Year Maintenance for 4.08 hectare	14280.00
5	4th Year Maintenance for 4.08 hectare	14280.00
6	5th Year Maintenance for 4.08 hectare	14280.00
7	6th Year Maintenance for 4.08 hectare	14280.00
8	7th Year Maintenance for 4.08 hectare	14280.00
9	8th Year Maintenance for 4.08 hectare	14280.00
10	9th Year Maintenance for 4.08 hectare	14280.00
11	10th Year Maintenance for 4.08 hectare	188904.00
	Total	18890.40
	10% increase	207794.40
	Total	264410.36
	Cost of nursery plant Conifer & B/L N/Root Plants (new & maintenance for ten year)	26441.04
	10% increase	290851.40
	Total	152248.78
	Labour rate increase 105.89%	74007.23
	25% increase for tribal Area	


Cost of material use in plantation & nursery	243350.00
Add 10% increase	24335.00
Total	267685.00
Grand Total-I	1150666.94
Add 17.50% Departmental Charges	201366.72
Total	1352033.66
5% Contingencies	67601.68
Total	1419635.34
Or Say	1419635.00
Cost of Compensatory Afforestation for 4.08 hectare:-	1419635/-

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

- a) **General Detail :-** The area is identified Udaipur Forest Range where conifer plant & broad leaf naked root species will be planted in the pit 30x30x30 cm. & 45x45x45 cm. Size respectively. The area will be protected by barbed wire fencing.
- b) **Spacing:-** Conifer Plants 30x30x30cm.
Spacing:- Broad leaf Plants 45x45x45cm.
- c) **Species:-** Deodara, Kail, Robinia, Walnut, Willow, Chharma, Poplar & Chuli
- d) **Plantation method:-** Secure Plantation
- e) **Soil Moisture Conservation works:-** M.R.I. i/c in CA.
- f) **Protection:-** Fencing, Watchman, People's Participation etc.
- g) **Proposed Monitoring Mechanism:-** Departmental.
- h) **Any other information:-** Nil


Range Forest Officer,
Forest Range Udaipur.


Divisional Forest Officer
Lahaul Forest Division
at Keylong.

BILL OF COMPENSATORY AFFORESTATION SCHEME

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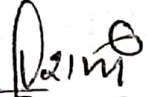
TOTAL AREA = 4.08HECTARE						
Sr. No.	Particulars	Qty	Unit	Rate	Unit Rate	Amount
(A) 1	Survey & demarcation of plantation area i/c marked of seditions path & preparation of path.	4.08	Hec.	115.96	Per Hec.	473.12
2	Preparation of inspection path 60cm. wide	1000	Rmt.	12.39	Per Rmt.	12390.00
3	Cutting & prepration of wooden fence post in 1.85 mtr. long & 8 to 10 cm. dia meter i/c fashioning the top 1.5 cms on conical.	204	Nos.	1467.91	Per %	2994.54
4	Carriage of wooden fence post from Hulga road side to work site by m/labour o/d 1.0Km.	204	Nos.	772.63	Per Km %	1576.17
5	Preparation/ digging of holes 20-30 cm dia & 45 cm deep.	204	Nos	1027.62	Per %	2096.34
6	Fixing of wooden fence post i/c struting	204	Nos	789.02	Per %	1609.60
8	Carriage of B/ wire bundles & U-staple from road side to w/site by M/labour a/d 1.5Km.	3.50	Qtl.	193.31	Per Qtl/Km.	1014.88
9	Streching & fixing of barbed wire with u-steple in each stand	2450	Rmt.	5.34	Per Rmt	13083.00
10	Digging of pits pits size 30x30x30cm.	2244	Nos.	540.95	Per %	12138.92
11	Filling of pits size 30x30x30cm.	2244	Nos.	216.38	Per %	4855.57
12	Planting of P/bags plants in pits size 30x30x30cm.	2244	Nos.	247.34	Per %	5550.31
13	Digging of pits pits size 45x45x45cm.	2244	Nos.	1081.65	Per %	24272.23
14	Filling of pits size 45x45x45cm.	2244	Nos.	309.15	Per %	6937.33
15	Planting of B/L. N/Root plants in pits size 45x45x45cm.	2244	Nos.	208.37	Per %	4675.82
17	Carriage of P/bags plants from unloading side to work site a/d 1 Km. by M/labour.	2244	Nos.	246.98	Per Km. %	5542.23
18	Carriage of N/Root B/L Plants from loading side to work site a/d 1 Km. By M/labour.	2244	Nos.	40.07	Per Km. %	899.17
19	Watch & ward of plantation for six month	180	Days	170.00	Per Day	30600.00
	Total					130709.21
	Add 10% increase					13070.92
	Total					143780.13
	Labour rate increase 105.89%					152248.78
						296028.92
	25% increase for tribal Area					74007.23
	Total					370036.15
B)						
C)	Cost of Nursery Plants (Conifer) 2.5 year old for plantation	2244	Nos.	28.00	per no.	62832.00
D)	Cost of Nursery Plants B/L. N/Root for plantation	2244	Nos.	22.14	per no.	49682.16
	Total					112514.16
	Add 10% increase					11251.42
E)	Total					123765.58


F)	Total (B+E)					493801.72
G)	Carriage of B/wire bundles & U-staple from Udaipur Depot to Challing road side by Mechanical transportation (by Camper) o/d 12Km. i/c loading & unloading i/c wooden fence post.	1	Trip	5000.00	Per Trip	5000.00
H)	Carriage of P/bags plants & N/Root B/L Plants from Kukumseri Nursery to work site by Mechanical transportation (by Camper) o/d 15Km. i/c loading, unloading, uprooting of plants from nry. beds & stacking of Plants manually at unloading site.	4	Trip	2000.00	Per trip	8000.00
	Total=					13000.00
	Add 10% increase					1300.00
I)	Total=					14300.00
J)	Total (F+I)					508101.72
K)	Cost of material use in plantation & Nursery					
1	Cost of barbed wire i/c transportation charges	3.5	Qtl.	10000.00	Per Qtl.	35000.00
2	Cost of u-nail i/c transportation charges	5.5	Kg	500.00	Per Kg.	2750.00
3	Cost of wooden fence post	204	No.	150.00	per no.	30600.00
4	Cost Miscellaneous nursery work & material use in nursery.				L/S	75000.00
	Total					143350.00
	Add 10% increase					14335.00
L)	Total					157685.00
M)	Total (J+L)					665786.72
N)	Detail of year wise break up of requirement of funds is as under:-					
	1st Year maintenance	4.08	Hec.	10000.00	Per Hec.	40800.00
	2nd Year maintenance	4.08	Hec.	6700.00	Per Hec.	27336.00
	3rd Year maintenance	4.08	Hec.	5100.00	Per Hec.	20808.00
	4th Year maintenance	4.08	Hec.	3500.00	Per Hec.	14280.00
	5th Year maintenance	4.08	Hec.	3500.00	Per Hec.	14280.00
	6th Year maintenance	4.08	Hec.	3500.00	Per Hec.	14280.00
	7th Year maintenance	4.08	Hec.	3500.00	Per Hec.	14280.00
	8th Year maintenance	4.08	Hec.	3500.00	Per Hec.	14280.00
	9th Year maintenance	4.08	Hec.	3500.00	Per Hec.	14280.00
	10th Year maintenance	4.08	Hec.	3500.00	Per Hec.	14280.00
	Total					188904.00
	Add 10% increase					207794.40
O)	Total					207794.40
P)	Cost of Nursery Plants to be used in maint. for ten year (Conifer)	3029	Nos.	28.00	per no.	84812.00
Q)	Cost of Nursery Plants B/L. N/Root to be used in maint. for ten year	3030	Nos.	22.14	per no.	67084.20
	Total					151896.20
	Add 10% increase					15189.62
R)	Total maintenance plant Cost					167085.82
S)	Cost of material use in maintenance of plantation & Nursery					
1	Cost Miscellaneous nursery work & material use in nursery.				L/S	100000.00
	Add 10% increase					10000.00
T)	Total					110000.00
U)	Total maintenace (O+R+T)					484880.22
	Total (M+U)					1150666.94
W)	17.5 Departmental Charges					201366.72

		Total					
(X)	5% Contingencies						1352033.66
	Grand Total						67601.68
							1419635.34
		Or Say Rs.					1419635.00

**TOTAL AREA = 4.08 Hectare & TOTAL AMOUNT= 1419635/-
(Rs. FORTEEN LAKHS NINTEEN THOUSAND SIX HUNDRED & THIRTY FIVE ONLY)**

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


Range Forest Officer,
Forest Range Udaipur.


Divisional Forest Officer
Lahaul Forest Division at Keylong.