

Checklist No.18

**“SCHEME FOR COMPENSATORY AFFORESTATION”
(Norms-2023-24)**

In lieu of diversion of 0.5705 hectare of forest land in favour of Snowfoam Energy Pvt. Ltd. for the construction of Hamshu-I SHEP (2.0 MW) within the jurisdiction of Kullu Forest Division, Distt. Kullu, HP.

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

Area: **Pharari Phat (UPF)** District:- **Kullu** Tehsil: **Kullu**
Division: **Kullu** Range: **Patlikuhal** Block/Beat: **Fozal/Fozal**
Survey No: **52 H/4** Area to be afforested: **1.20 hectare**

2. Description of area:-

- i. Whether the site selected for compensatory afforestation is a land bank or not:- **Yes**
- ii. If the CA site is other than the land bank, reasons be given:- **No**
- iii. In case of non forest area identified in from-A, then what is the distance of CA site from the adjoining forest boundary :- **forest area**
- iv. Soil type:- **Sandy-loamy/apparently deep**
- v. Topography :-
 - a) **Hilly**
 - b) **Medium**
- vi. Whether the area is bearing any root stock of vegetation:- **Yes**
Plantation Model:- **Departmental**

Copy of the 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 as under :-

Compensatory Afforestation Bill							
S. N.	Particulars	Area in ha.	Year	Rate per Hectare	Cost Escalation	Rate After applying cost escalation	Total Amount (Rs)
	New Plantation	1.2	2023-24	120900	10%	132990	159588
	1 st Year Maintenance	1.2	2024-25	19300	20%	23160	27792
	2 nd Year Maintenance	1.2	2025-26	13000	30%	16900	20280
	3 rd Year Maintenance	1.2	2026-27	6600	40%	9240	11088
	4 th Year Maintenance	1.2	2027-28	6600	50%	9900	11880

5 th Year Maintenance	1.2	2028-29	6600	60%	10560	12672
6 th Year Maintenance	1.2	2029-30	6600	70%	11220	13464
7 th Year Maintenance	1.2	2030-31	6600	80%	11880	14256
8 th Year Maintenance	1.2	2031-32	6600	90%	12540	15048
9 th Year Maintenance	1.2	2032-33	6600	100%	13200	15840
10 th Year Maintenance	1.2	2033-34	6600	110%	13860	16632
Total Plantation and 10 Year Maintenance						318540
Departmental charges @ 17.5%						55745
Contingency Charges @ 5%						15927
						390212
Rupees Three Lakh Ninety Thousand Two Hundred and Twelve only						

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

- a) **General Details :-** Conifer/ B/L species will be planted.
- b) **Spacing:** 3 mtr x 3 mtr.
- c) **Species:** Cedrus Deodara, pinus wallichiana, salix Spp. etc.
- d) **Plantation Method:** Artificial plantation with RCC Fencing.
- e) **Soil Moisture Conservation Works:-** Check walls are required to be constructed in gullies as per site requirement.
- f) **Protection (Fencing , Watchman, People's Participation etc.)**
- g) **Proposed Monitoring Mechanism :-** Department .
- h) **Any other information :-** Nil



**Divisional Forest Officer,
Kullu Forest Division, Kullu.**

COMPENSATORY AFFORESTATION BILL

(Norms-2023-24)

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S.No.	Particulars of work	Unit	Qty	Mandays involved	Wage rate @ 375 for Non-Tribal areas
A	SURVEY, DEMARCATION & FENCING				
1.	Survey & demarcation of plantation area	Ha.	1	0.67	251.25
2.	Preparation/purchase of RCC fence post @ 358 per post (including GST)	No	50	0	17900
3.	Carriage of RCC fence post upto 165 cm long over a distance of 2 KM uphill/downhill	Km/ no	50	22.33	8373.75
4.	Preparation /digging of holes of 20x30x50 cm	No.	50	3.02	1132.5
5.	Fixing of RCC fence post i/c strutting	No.	50	2.39	896.25
6.	Carriage of B/wire over distance of 2 Kms uphill/downhill	Km/ qtl	0.75	0.74	277.5
7.	Stretching & fixing of B/wire in 4 strands	Rmt.	600	8	3000
8.	Interlacing of thorny bushes along the fence	Rmt.	150	4.09	1533.75
9.	Cost of B/wire	Qtl.	0.75	0	4882
					38247
	Total-A (Survey, Demarcation & Fencing)			Or say	38200
B	PLANTING:-				
1.	Bush cutting in strips (3m x 3m)	Ha.	1	7.95	2981.25
2.	Digging of pits 45x45x45 cm	No.	1100	69.96	26235
3.	Filing of Pits 45x45x45 cm	No.	1100	19.95	7481.25
4.	Carriage of plants in P. bags (uphill/downhill 2 Km)	Km/ no.	1100	27.87	10451.25
5.	Planting of plants raised in P/bags	No.	1100	15.99	5996.25
6.	Construction of inspection path	Rmt.	100	7.33	2748.75
7.	Cost of sign board, carriage & fixing	No.	0	0	450
8.	Cost of Nursery Plants @ Rs.24	No.	1100	0	26400
					82744
	Total-B (Planting)			Or say	82700
	Total (A+B)				120900
	New Plantation				120900

1. Schedule for Plantation Programme.

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

S.N.	Particulars	Unit	Qty.	Mandays involved	Wage Rate @ Rs.375 for Non-Tribal Areas
1ST YEAR MAINTENANCE (30% Beating up)					
1	Re-digging of pits 45x45x45cm	No.	330	10.49	3933.75
2	Filling of pits 45x45x45cm	No.	330	5.99	2246.25
3	Planting of plants raised in P/bags	No.	330	4.79	1796.25
4	Carriage of plants in P/bags	Km/No	330	8.36	3135
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	330	0	7920
					19301.25
				Or say	19300
Total					
2ND YEAR MAINTENANCE (20% Beating Up)					
1	Re-digging of pits 45x45x45cm	No.	220	7	2623.5
2	Filling of pits 45x45x45cm	No.	220	3.99	1496
3	Planting of plants raised in P/bags	No.	220	3.20	1199
4	Carriage of plants in P/bags	Km/No	220	5.57	2090
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	220	0	5280
					12958.5
				Or say	13000
Total					
3RD YEAR to 10th Year MAINTENANCE (10% Beating Up)					
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1311.75
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	599.50
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
					6614.25
				Or say	6600
Total					

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Divisional Forest Officer,
Kullu Forest Division, Kullu.