

Proposal: Diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

CHECKLIST NO.17

LOCATION MAP

Location Map of Forest/ non-forest area identified for Compensatory Afforestation in lieu of proposal for diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

Area: **Dugilag-III**

District: **Kullu**

Tehsil: **Kullu**

Division: **Kullu**


Range: **Bhutti**

Block/Beat: **Rujag/Shalang**

Compartment/Survey No. Nil/ **52 H/4**

Area to be afforested: **13.0 ha.**

Map of area to be taken for Compensatory Afforestation are attached


Divisional Forest Officer
Kullu Forest Division, Kullu.

Proposal: Diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

CHECKLIST NO.17

LOCATION MAP

Location Map of Forest/ non-forest area identified for Compensatory Afforestation in lieu of proposal for diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

Area: **Mangarh-III**

District: **Kullu**

Tehsil: **Kullu**

Division: **Kullu**


Range: **Bhutti**

Block/Beat: **Rujag/Tiun**

Compartment/Survey No. Nil/ **52 D/16**

Area to be afforested: **10.0 ha.**

Map of area to be taken for Compensatory Afforestation are attached


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

Proposal: Diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

CHECKLIST NO.17

LOCATION MAP

Location Map of Forest/ non-forest area identified for Compensatory Afforestation in lieu of proposal for diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

Area: **Mangarh-III (Padru Thach)** District: **Kullu**

Tehsil: **Kullu**

Division: **Kullu**


Range: **Bhutti**

Block/Beat: **Rujag/Mashna**

Compartment/Survey No. Nil/ **52 E/1**

Area to be afforested: **3.62 ha.**

Map of area to be taken for Compensatory Afforestation are attached


Divisional Forest Officer
Kullu Forest Division, Kullu.

“SCHEME FOR COMPENSATORY AFFORESTATION”
(Norms-2024-25)

In lieu of diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

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

Area: **Dugilag-III** District:- **Kullu** Tehsil:- **Kullu**
Division: **Kullu** Range:- **Bhutti** Block/Beat: **Rujag/Shalang**
Compartment/Survey No: **52 H/4** Area to be afforested:- **13.0 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)
1.	New Plantation	13.0	2024-25	130300	10%	143330	1863290
2.	1 st Year Maintenance	13.0	2025-26	20100	20%	24120	313560
3.	2 nd Year Maintenance	13.0	2026-27	13500	30%	17550	228150
4.	3 rd Year Maintenance	13.0	2027-28	6900	40%	9660	125580
5.	4 th Year Maintenance	13.0	2028-29	6900	50%	10350	134550
6.	5 th Year Maintenance	13.0	2029-30	6900	60%	11040	143520

7.	6 th Year Maintenance	13.0	2030-31	6900	70%	11730	152490
8.	7 th Year Maintenance	13.0	2031-32	6900	80%	12420	161460
9.	8 th Year Maintenance	13.0	2032-33	6900	90%	13110	170430
10.	9 th Year Maintenance	13.0	2033-34	6900	100%	13800	179400
11.	10 th Year Maintenance	13.0	2034-35	6900	110%	14490	188370
Total Plantation for 1100 plants/hectare with 10 Year Maintenance							3660800
Departmental charges @ 17.5%							640640
Contingency Charges @ 5%							183040
							4484480
Rupees Forty Four Lakh Eighty Four Thousand Four Hundred and Eighty only							

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

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


Divisional Forest Officer
Kullu Forest Division, Kullu.


Conservator of Forests
Kullu Forest Circle, Kullu

"SCHEME FOR COMPENSATORY AFFORESTATION"
(Norms-2024-25)

In lieu of diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

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

Area: **Mangarh-III** District:- **Kullu** Tehsil:- **Kullu**
Division: **Kullu** Range:- **Bhutti** Block/Beat: **Rujag/Tiun**
Compartment/Survey No: **52 D/16** Area to be afforested:- **10.0 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)
1.	New Plantation	10.0	2024-25	130300	10%	143330	1433300
2.	1 st Year Maintenance	10.0	2025-26	20100	20%	24120	241200
3.	2 nd Year Maintenance	10.0	2026-27	13500	30%	17550	175500
4.	3 rd Year Maintenance	10.0	2027-28	6900	40%	9660	96600
5.	4 th Year Maintenance	10.0	2028-29	6900	50%	10350	103500
6.	5 th Year Maintenance	10.0	2029-30	6900	60%	11040	110400

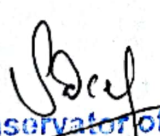
7.	6 th Year Maintenance	10.0	2030-31	6900	70%	11730	117300
8.	7 th Year Maintenance	10.0	2031-32	6900	80%	12420	124200
9.	8 th Year Maintenance	10.0	2032-33	6900	90%	13110	131100
10.	9 th Year Maintenance	10.0	2033-34	6900	100%	13800	138000
11.	10 th Year Maintenance	10.0	2034-35	6900	110%	14490	144900
Total Plantation for 1100 plants/hectare with 10 Year Maintenance							2816000
Departmental charges @ 17.5%							492800
Contingency Charges @ 5%							140800
							3449600
Rupees Thirty Four Lakh Forty Nine Thousand and Six Hundred only							

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

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


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


Conservator of Forests
Kullu Forest Circle, Kullu

“SCHEME FOR COMPENSATORY AFFORESTATION”
(Norms-2024-25)

In lieu of diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

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

Area: **Mangarh-III (Thach Padru)** District:- **Kullu** Tehsil:- **Kullu**
Division: **Kullu** Range:- **Bhutti** Block/Beat: **Rujag/Mashna**
Compartment/Survey No: **53 E/1** Area to be afforested:- **3.62 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)
1.	New Plantation	3.62	2024-25	130300	10%	143330	518855
2.	1 st Year Maintenance	3.62	2025-26	20100	20%	24120	87314
3.	2 nd Year Maintenance	3.62	2026-27	13500	30%	17550	63531
4.	3 rd Year Maintenance	3.62	2027-28	6900	40%	9660	34969
5.	4 th Year Maintenance	3.62	2028-29	6900	50%	10350	37467
6.	5 th Year Maintenance	3.62	2029-30	6900	60%	11040	39965

7.	6 th Year Maintenance	3.62	2030-31	6900	70%	11730	42463
8.	7 th Year Maintenance	3.62	2031-32	6900	80%	12420	44960
9.	8 th Year Maintenance	3.62	2032-33	6900	90%	13110	47458
10.	9 th Year Maintenance	3.62	2033-34	6900	100%	13800	49956
11.	10 th Year Maintenance	3.62	2034-35	6900	110%	14490	52454
Total Plantation for 1100 plants/hectare with 10 Year Maintenance							1019392
Departmental charges @ 17.5%							178394
Contingency Charges @ 5%							50970
							1248756
Rupees Twelve Lakh Forty Eight Thousand Seven Hundred and Fifty Six only							

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

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


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


Conservator of Forests
Kullu Forest Circle, Kullu

COMPENSATORY AFFORESTATION BILL

(Norms-2024-25)


In lieu of diversion of 13.3082 hectare of forest land in favour of M/s Sai Eternal Foundation, Sai Bhawan Sector-4 New Shimla-171009 for the construction of Tundah-II HEP (24 MW) within the jurisdiction of Bharmour Forest Division, Distt. Chamba, HP.

S.No.	Particulars of work	Unit	Qty	Mandays involved	Wage rate @ 400 for Non-Tribal areas
A	SURVEY, DEMARCATION & FENCING				
10.	Survey & demarcation of plantation area	Ha.	1	0.67	268
11.	Preparation/purchase of RCC fence post @ 358 per post (including GST)	No	50	0	17900
12.	Carriage of RCC fence post upto 165 cm long over a distance of 2 KM uphill/downhill	Km/ no	50	22.33	8932
13.	Preparation /digging of holes of 20x30x50 cm	No.	50	3.02	1208
14.	Fixing of RCC fence post i/c strutting	No.	50	2.39	956
15.	Carriage of B/wire over distance of 2 Kms uphill/downhill	Km/ qtl	0.75	0.74	296
16.	Stretching & fixing of B/wire in 4 strands	Rmt.	600	19.20	7680
17.	Interlacing of thorny bushes along the fence	Rmt.	150	4.09	1636
18.	Cost of B/wire	Qtl.	0.75	0	4882
					43758
	Total-A (Survey, Demarcation & Fencing)			Or say	43800
B	PLANTING:-				
9.	Bush cutting in strips (3m x 3m)	Ha.	1	7.95	3180
10.	Digging of pits 45x45x45 cm	No.	1100	69.96	27984
11.	Filing of Pits 45x45x45 cm	No.	1100	19.95	7980
12.	Carriage of plants in P. bags (uphill/downhill 2 Km)	Km/ no.	1100	27.87	11148
13.	Planting of plants raised in P/bags	No.	1100	15.99	6396
14.	Construction of inspection path	Rmt.	100	7.33	2932
15.	Cost of sign board, carriage & fixing	No.	0	0	450
16.	Cost of Nursery Plants @ Rs.24	No.	1100	0	26400
					86470
	Total-B (Planting)			Or say	86500
	Total (A+B)				
	New Plantation				130300

2. 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.400 for Non-Tribal Areas
1ST YEAR MAINTENANCE (30% Beating up)					
1	Re-digging of pits 45x45x45cm	No.	330	10.49	4196
2	Filling of pits 45x45x45cm	No.	330	5.98	2392
3	Planting of plants raised in P/bags	No.	330	4.80	1920
4	Carriage of plants in P/bags	Km/No	330	8.36	3344
5	Repair of fencing	Rmt	60	0.72	288
6	Cost of Nr/plants	No.	330	0	7920
					20060
	Total			Or say	20100
2ND YEAR MAINTENANCE (20% Beating Up)					
1	Re-digging of pits 45x45x45cm	No.	220	7	2800
2	Filling of pits 45x45x45cm	No.	220	3.99	1596
3	Planting of plants raised in P/bags	No.	220	3.20	1280
4	Carriage of plants in P/bags	Km/No	220	5.57	2228
5	Repair of fencing	Rmt	60	0.72	288
6	Cost of Nr/plants	No.	220	0	5280
					13472
	Total			Or say	13500
3RD YEAR to 10th Year MAINTENANCE (10% Beating Up)					
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1400
2	Filling of pits 45x45x45cm	No.	110	1.99	796
3	Planting of plants raised in P/bags	No.	110	1.60	640
4	Carriage of plants in P/bags	Km/No	110	2.79	1116
5	Repair of fencing	Rmt	60	0.72	288
6	Cost of Nr/plants	No.	110	0	2640
					6880
	Total			Or say	6900
General Abstract					
i)	Cost of CA for raising 1100 plants/ha.				130300
ii)	Cost after applying 10% escalation				143330
iii)	Maintenance cost for 10 years with 10% escalation each year				138270
	Cost for raising CA over 26.62 ha. area (i +ii)				7496192
	Departmental Charges @17.5%				1311834
	Contingency Charges @ 5%				374810
	Total Cost of CA				9182836
	(Rs. Ninety One lakh Eighty Two Thousand Eight Hundred and Thirty Six only)				


Divisional Forest Officer,
Kullu Forest Division, Kullu