

CHECK LIST SERIAL NUMBER-17

SCHEME FOR COMPENSATORY AFFORESTATION

Detail scheme for Compensatory Afforestation to be carried out in lieu of 00-03-57 ha of forest area to be diverted for the construction of C/O the office building of Home Guard 2/4 Company Kumarsain Details of degraded forest land/non-forest land:-

District	Shimla
Village	Nathan
Tehsil	Kumarsain
Name of Forest Division	Kotgarh
Range	Kumarsain
Block/Compartment/Survey No.	UPF Banahardhar C-232
Area to be afforested	0-20-00 Ha.

1. Description of Area:-

1	Whether the site selected for Compensatory Afforestation is a land bank or not	Yes the selected area is a land bank.
2	If the CA site is other than the land bank, reasons be given	NA
3	In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:-	NA
4	Soil type	Sandy loam.
5	Topography	Hilly Medium
6	Whether the area is bearing any root stock of vegetation species exist in the area except for some bushes stuff.	No

2. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is enclosed.

3. Schedule of plantation Programme:-

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

Year	Area	Rate/ha	Total Amount
Initial cost of raising afforestation	00-20-00 ha.	69520	13904
1st year	1st year maint.	8220	1644
2nd year	2nd year maint.	5980	1196
3rd year	3rd year maint.	3360	672
4th year	4th year maint.	3600	720
5th year	5th year maint.	3840	768
6th year	6th year maint.	4080	816
7th year	7th year maint.	4320	864

8 th year	8 th year maint.	4560	912
9 th year	9 th year maint.	4800	960
10 th year	10 th year maint.	5040	1008
		G.Total	23464
Departmental charges @17.5%:-			4106
Contingencies @5%:-			1173
G.Total :-			28743
Or Say Rs.			28800

4. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) **General Details:** - An area of 0.20 ha will be taken up for planting under compensatory afforestation scheme in UPF Banahardhar C-232 which is a land bank. The area will be protected by Barbed wire fencing and a mixture of Chil & other BL species with a mix 40% mix of fruit trees will be planted. Total 100 plants will be planted in all in 0.20 Ha @500 plants per hectare.
- (b) **Spacement :-** 4mtr x 4mtr
- (c) **Species:-** Chil & other broad leaved species with 40% mix of fruit bearing plants.
- (d) **Plantation Method:** - Plantation of Tall plants shall only be done. The tall plants will be planted in 90 x 90 x 90 cm. pits in the selected area. Bush cutting will be done in the infested area. The plantation will be maintained for subsequent 7 years in which betting up of operation will be done.
- (e) **Soil and Moisture Conservation Works:** - Contour trenching will be done over the entire area to conserve the available moisture during rainy season so that moisture regime in the area is improved. Minor Soil conservation works like gully plugging, check walls will be done where ever required.
- (f) **Protection (Fencing, Watch man, People's Participation etc.):** - Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation. Further watch and ward as also fire protection will be ensured through regular departmental staff.
- (g) **Proposed Monitoring Mechanism:** - The plantation will be monitored as per existing monitoring mechanism in the forest department. The plantation will also be monitored by GOI representatives as per instructions. The plantation site will be approachable from Nathan Kanda.
- (h) **Any other information:** - Nil.

Dated 21/12/2018

Place: Kotgarh.

(Arvind Kumar, IPS)
Divisional Forest Officer
Kotgarh Forest Division, H.P.

SCHEME FOR COMPENSATORY AFFORESTATION IN RESPECT OF DIVERSION OF LAND FOR THE C/O
THE OFFICE BUILDING OF HOME GUARD 2/4 COMPANY KUMARSAIN.

Area proposed for compensatory afforestation	.2 ha				
Name of proposed plantation area	UPF Banahardhar C-232				
Plants to be planted per ha	500				
Total number of plants to be planted	100				
Species to be planted	Chil & Broadleaved etc.				
Particulars of works	Units cost at wage structure for 2018-19	Year of execution of works	Cost Escalation	Units cost after applying cost escalation.	Total amount
Initial cost for raising afforestation over an area of 0.2 ha	63200 per ha	2018-2019	10%	69520	13904
1 st year maintenance	6850	2019-2020	20%	8220	1644
2 nd year maintenance	4600	2020-2021	30%	5980	1196
3 rd year maintenance	2400	2021-2022	40%	3360	672
4 th year maintenance	2400	2022-2023	50%	3600	720
5 th year maintenance	2400	2023-2024	60%	3840	768
6 th year maintenance	2400	2024-2025	70%	4080	816
7 th year maintenance	2400	2025-2026	80%	4320	864
8 th year maintenance	2400	2026-2027	90%	4560	912
9 th year maintenance	2400	2027-2028	100%	4800	960
10 th year maintenance	2400	2028-2029	110%	5040	1008
				Total:-	23464
Departmental Charges @ 17.5 %					10266
Contingencies @ 5%					2933
G.Total					28743
				Or Say Rs	28800

6/11/2019
 Divisional Forest Officer
 Kotgarh Forest Division, H.P.