

CHECK LIST SERIAL NO. 17

SITE SPECIFIC CA SCHEME FOR COMPENSATORY AFFORESTATION

Scheme for Compensatory Afforestation and its maintenance for 10 years to be carried out in lieu of DIVERSION OF 10.6019 ha of Forest Land for the construction of Dharli to Balag Road Km 0/0 to 18/900 within the jurisdiction of Suket Forest Division Distt. Mandi (H.P.) FP/HP/ROAD/49449/2020

Detail of degraded forest/Non forest land	DPF
District	Mandi.
Tehsil	Nihri
Name of Division	Suket
Area to be afforested	21.2038

Sr. No.	Name of Forest Range	Block/Beat	CA Patch-I	GPS Location	Total CA for Afforestation	Survey sheet No.
1	Kangoo	Batwara/Serikothi	DPF Lapper	N 31.399201 E 76.988515	21.2038	53A/15
			21.2038			

Description of area						
(i) Brief description	DPF Lapper 21.2038ha. area has been selected for compensatory afforestation in Serikothi Beat of Batwara Block of Kangoo Range under Suket Forest Division. The selected area is Demarcated protected Forest land having scattered vegetation which is suitable for the compensatory afforestation.					

(ii) Area Dimensions	The KML file file areas DPF Lapper 21.2038 ha has been uploaded in Part-II					
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(iii) Whether the site selected for CA is land bank or not	Yes.					
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(iv) If the CA site is other than land bank, reason be given	-					
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(v) In case of non forest area indentified for CA than what is the	-					
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(vi) Soil Type	Sandy loam					
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(vii) Topography a) Hilly/Universal/Plain	Hilly					
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(viii) b) Slope; steep/Medium/ Gentle	Medium					
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(ix) Whether the area is bearing any root stock of vegetation	Bushes, Grasses					
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(x) Aspect	South Western					
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(xi) Spps to be planted	Daru, Jamun, Ritha, Kachnar, & OBL					
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3	Plantation Model:- Copy of approved Compensatory	Attached.				
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4	Schedule of Plantation Programme					
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Detail of year wise break up of requirement of funds is as under:-

Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing

Sr. No.	Particulars of works/Years	Plants/ha.	Approved Rate (Rs.)	10% hike every year of approved rated (in Rs.)	Total Amount after 10 % hike/ha.	G Total Amount
1	A-i) Survey, Demarcation, Fencing & Planting including cost of plants in Zero Year	1100 plants/ha	132298.7	13229.87	145528.57	3085758.693
2	1st Year	21.2038 ha.	12100	2420	14520	307879.176
3	2nd Year	21.2038 ha.	8200	2460	10660	226032.508
4	3rd Year	21.2038 ha.	4200	1680	5880	124678.344
5	4th Year	21.2038 ha.	4200	2100	6300	133583.94
6	5th Year	21.2038 ha.	4200	2520	6720	142489.536
7	6th Year	21.2038 ha.	4200	2940	7140	151395.132
8	7th Year	21.2038 ha.	4200	3360	7560	160300.728
9	8th Year	21.2038 ha.	4200	3780	7980	169206.324
10	9th Year	21.2038 ha.	4200	4200	8400	178111.92
11	10th Year	21.2038 ha.	4200	4620	8820	187017.516
					G. Total -A	4866453.817

12 Maintenance of Plantation						
Sr. No.	Maintenance	Area in Ha	Number of Plants for maint	Cost of OBL Plants	Total Cost of Plant (F)	
a	1st Year Maintenance (30% of total plants planted in 1st Year)	21.2038	6997	29	202913	
b	2nd Year Maintenance (20% of total no. of plants)	21.2038	4665	31	144615	
c	3rd Year Maintenance to 10 Year (10% of total number of plants in zero year) (Taking hike in plant cost in all years in 8 years)	21.2038	18659	70	1306130	
					G.Total -B	1653658

B						
13	Carriage of Plants by Mechanical Means over a distance of 40 Km including loading/unloading (During zero year)	23324 plants	L/s Rates	30 Trips	L/s Rs 1500/Trip	45000
					G.Total -C	45000

C						
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14	Soil & Moisture Conservation Works									
D				Norm						Amount
a	Crate wire check dam	No.	5	50000				1	250000	250000
b	Dry stone check dam	No.	10	30000				1	300000	300000
c	Staggered contour trenches.									
	Preparation of trenches	ha.	21.2038	18330	9165				27495.00	582998
d	Preparation of fire line around the p. are 2.50 m wide in its periphery 2435 m length	sqm	6087.5					@5 per sqm + subsequent hikes in upcoming years	40	243500
e	Maintenance of Fire line in upcoming years	Sqm	6087.5					@0.65 per sqm + subsequent hikes in upcoming years	5.2	284895
f	Fire prevention measures like cutting of grass if not collected by the locals and removing every inflammable material from the area to prevent the fire incident	Every year till maintenance work of the area		Taking also the surrounding area to the selected CA site about 20 ha				@183.95 per ha. + subsequent hikes in upcoming years	1471.6	529776
g	Watering of plants during lean season to ensure survival of plants	L/s Cost of maint. Years						Taking tanker charges L/s for upcoming years taking 80000 per year cost including labour cost.		720000
h	Cost of vermi compost, Carriage and application in pit including new and maint pits	Kg	10742	15				9.765		161130
D									G. Total -D	3072299
E									Grand Total A+B+C+D	9637411
F									Contingence 5% over the C.A. Scheme	481871
									Total (A+B+C+D+E+F)	10119282
G									Departmental charges @ 17.5%	1770874
									Total amount (A+B+C+D+E+F+G)	11890156
									Total Amount of CA Scheme	11890156

One Crore Eighteen Lakh Ninty Thousand One Hundred Fifty Six Only

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and	Remarks
b.	Spacement	3mx3m	
c.	Size for Tall Plant	Minimum height 1.20 m, Collar Dia. Minimum 1.5 cm of 2.5 years age raised in P.Bag	
	Size for Normal Plant	Minimum height 90 cm of 1.5 years raised in P.Bag	
d.	Species		
	Plants	Shisham, Amla, Kachnar, Beul, Harad, Bheda, Jamun, Aam, Drek, Kafal, Chuli, Simbal, Daroo,	
	Bio-Engineering species	Vitex, Agave, Duranta, Vetevaria etc	
e.	Plantation method	Pit digging.	
f.	Soil & moisture conservation works;	Work shall be carried out as proposed.	
g.	Protection	Fencing & people participation.	
h.	Proposed Monitoring Mechanism	As per guidelines and monitoring system of the department.	
i.	Any other information	Nil.	

Deputy Conservator of Forests
Suket Forest Division
Sundernagar Dist. Mandi (H.P.)