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Diversion of 0.0850 ha forest land for construction of approach road for proposed Retail Outlet at Village Dyalpura, Khasra no. 51//6, Ch. 66.982 (LHS), NH-703B. on Harike-Bhikhiwind road, Tehsil Patti, Distt. Tarn Taran (Punjab).

SCHEME FOR COMPENSATORY AFFORESTATION

Details scheme for compensatory afforestation to be carried out in lieu of 0.0850 ha. of forest area to be diverted for construction of approach road for proposed Retail Outlet at Village Dyalpura, Khasra no. 51//6, Ch. 66.982 (LHS), NH-703B. on Harike-Bhikhiwind road, Tehsil Patti, Distt. Tarn Taran (Punjab).

1. Detail of degrade forest land /non-forest land

District: Amritsar Village: ... Kohali & Bhitte Wadh

Teh... Ajnala.

Name of forest division Amritsar. Range: . Ajnala...

Block no./compartment /survey no.. LBC RD 133-144 L/s

Area to be afforested:... :- CA= 0.2125 ha + 0.012 ha = 0.2245 ha.

2. Description of Area

1. Whether the site selected for compensatory afforestation is a land bank or not Land Bank
2. If the CA site is other than the land bank, reason be given... N.A.
3. In case of non forest area identified for CA then what is the distance of CA site for the adjoining forest boundary ... N.A......
4. Soil type Medium
5. topography :-
 - a. hilly/undulating/plain
 - b. slope:-steep/medium/gentle x
6. Whether the area is bearing any root stock of vegetarian ... No.....

3. Plantation model :

Copy of the approval compensatory afforestation scheme /modal showing component wise physical and financial break up to be enclosed.


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	C.A Scheme			Wage Rate: 353/-	
				Plants Per ha. 1000 No.	
Plantation Model for Standard Plantation under Compensatory Afforestation					
Advance Work and Plantation					
	Name of Work	Unit	Qty	Unit Cost (In Rs.)	Total Amt
	Nursery				
	Cost of raising plants	1.100	1100	21.52	23676.83
A	Soil Works				
1	Site /Jungle Clearance (50%)	Ha.	0.50	5776.31	2888.15
2	Alignment & Dagbailing	Ha.	1	1059.00	1059.00
3	Earth Work- (a) Digging of Pits 1000x 0.5m x0.5m x0.4m	1M ³	100	109.11	10910.71
4	Kana Stubbing 25%	Ha.	0.25	28881.43	7220.36
B	Plantation Work				
1	a) Refilling of Pits 1000 x 0.5m x0.5m x0.4m	100 cum	75	2956.38	2217.28
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No	1100	591.92	6511.13
3	Carriage of Plants (1000+10% Wastage=1100 avg. distance upto 10 km)	100 No	1100	211.80	2329.80
4	i) Carriage from site to site	100 No	1000	141.20	1412.00
	ii) Planting of Plants (1000 No Including 10% replacement)	100 No	1000	1059.00	10590.00
5	Spot Irrigation (1000 Plants)	100 No	1000	220.63	2206.25
6	Application of Insecticide (2 times)	100 No	1000	44.13	441.25
7	Application of Fertilizers (2 times)	100 No	1000	44.13	441.25
8	Weeding & Hoeing 3 times	100 No	3000	384.77	11543.10
9	Hand Watering (12 Times)	100 No	12000	220.63	26475.00
10	Replanting of Plants 10%	100 No	100	623.25	623.25
11	Rejungle Clearance (2 times)	Per Ha.	1	2559.25	2559.25
12	Covering (25% plants) of plants	100 No	250	317.70	794.25
13	Uncovering of plants	100 No	250	35.30	88.25
14	Restubbing of Kana (1 time)		0.25	28881.75	7220.44
15	Laying out & fixing of Barbed Wire	L/s			7872.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	1Man 7 Month	9178.00	9178.00
17	Material				
	i) Insecticides/Fertilizers	L/s			5000.00
	ii) POL	L/s			5000.00
	iii) Barbed Wire& fencing	L/s			50000.00
			Sub Total		198257.55
Maintenance I Year					
1	Cost of raising plants for 30% replacement	1 No.	300	21.52	6457.32

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2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	21.60	64.17	1341.68
3	Refilling of pits with earth in other soils 300	1 m3	21.6	29.56	618.08
4	Loading & Unloading of Plants	1 No.	300	2.65	794.25
5	Carriage of Plants (300+10% Wastage=330 avg. distance upto 10 km.)	100 No	1	211.15	211.15
6	Spreading of plants pit to pit	100 No	165	141.20	232.98
7	Re-planting Tall Plants	100 No	165	354.16	584.37
8	Spot Irrigation	100 No.	165	220.63	364.03
9	Weeding & Hoeing (thrice)	100 No	3000	384.77	11543.10
10	App. Of Fertilizer (two times)	100 No	1000	44.13	441.25
11	App. Of Insecticide (two times)	100 No	1000	44.13	441.25
12	Hand watering (6 times)	100 No	6000	384.77	23086.20
13	Rejungle Clearance (2 times)	Per Ha.	1.00	2559.25	2559.25
14	Restubbing of Kana	Per Ha.	0.25	28881.43	7220.36
15	Watch & Ward for every 10 Ha. (10 months)	Man year	1/10 Man yr.	9178.00	9178.00
16	Repair of Barbed wire	L/s			5000.00
17	POL & Machinery	L/s			5000.00
18	Material and supply	L/s			5000.00
			Sub Total		80073.27
Maintenance II Year					
1	Cost of raising plants for 15% replacement	No.	150	21.52	3228.66
2	Reopening of Pits 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	64.17	644.00
3	Refilling of pits with earth in other soils 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	29.56	296.68
4	Loading & Unloading of Plants	1 No.	75	2.65	198.56
5	Carriage of Plants = 75 avg. distance upto 10 km.)	100 No	1	211.15	211.15
6	Spreading of plants pit to pit	100 No	75	141.20	105.90
7	Re-planting to tall plants	100 No	75	246.55	184.91
8	Spot Irrigation	100 No.	75	220.63	165.47
9	Weeding & Hoeing (twice)	100 No	2000	384.77	7695.40
10	Hand Watering 5 Times	100 No	500	220.63	11031.25
11	Rejungle Clearance (2 times)	Per Ha.	1.00	2559.25	2559.25
12	Pruning to plants	100 No.	100	417.15	417.15
14	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9178.00	9178.00
15	Repair of Barbed wire	L/s			5000.00
16	POL & Machinery	L/s			5000.00
17	Material and supply	L/s			5000.00
			Sub Total		50916.39
Maintenance III Year					
1	Cost of raising plants for 10% replacement	1 No.	100	21.52	2152.44
2	Reopening of Pits 200 x 0.50 x 0.50 x 0.40	1 m3	10	6417.50	429.34
3	Refilling of pits with earth in other soils 100 x 0.60 x 0.60 x 0.40	1 m3	7.5	29.56	197.78
4	Loading & Unloading of Plants	1 No.	100	2.65	264.75
5	Carriage of Plants 200 avg. distance upto 10 km.)	100 No	100	1.08	107.62

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CA Estimate Final

6	Spreading of plants pit to pit	100 No	100	141.20	141.20
7	Re-planting to plants	100 No	100	246.55	246.55
8	Spot Irrigation	100 No.	100	220.63	220.63
9	Weeding & Hoeing (Twice)	100 No	2000	384.77	7695.40
10	Hand Watering (5 times)	100 No	5000	220.63	11031.25
11	Pruning to plants 20%	100 No.	200	417.15	834.31
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9178.00	9178.00
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		47499.26
Maintenance IV Year					
1	Cost of raising plants for 15% replacement	1 No.	50	21.52	1076.22
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 m3	5	6417.50	429.34
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	3.75	29.56	197.78
4	Loading & Unloading of Plants	1 No.	50	2.65	132.38
5	Carriage of Plants = 150 avg. distance upto 10 km.)	100 No	50	1.08	53.81
6	Spreading of plants pit to pit	100 No	50	141.20	70.60
7	Re-planting to plants	100 No	50	246.55	123.28
8	Spot Irrigation	100 No.	50	220.63	110.31
9	Weeding & Hoeing (Twice)	100 No	2000	384.77	7695.40
10	Hand Watering (4 times)	100 No	4000	220.63	8825.00
11	Pruning to plants 30%	100 No.	300	417.15	1251.46
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9178.00	9178.00
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		44143.57
Maintenance V Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
Maintenance VI Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
Maintenance VII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00

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Maintenance VIII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
Maintenance IX Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
Maintenance X Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
					475958.04
	Over Head expenses 5%				23797.90
	Wages Enhancement 10%				47595.80
			G.Total		547351.75
			Or Say		547352.00

Summary of Costs

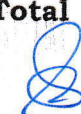
a) **Cost of Plantation:**

- (i) Cost of plantation in 1 Hect. Area (1000 Plants)+
(ii) Cost of plantation for **0.2125** ha. area
(iii) Entry point activity 10% cost of CA

Rs	547352.00
Rs	116312
	11631

Net present value as fixed by Govt. for
b) open area diverted @ **Rs 1228590 lac**
per ha.

	104430
Total	232373


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2. Schedule of Plantation Programme:-

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

Year	Area	Rate/ha.	Total amount
0 th year	0.2125	198257.55	42129.73
1 st year	0.2125	80073.27	17016
2 nd year	0.2125	50916.39	10820
3 rd year]	0.2125	47499.26	10094
4 th year	0.2125	44143.57	9381
5 th year	0.2125	9178	1950
6 th year	0.2125	9178	1950
7 th year	0.2125	9178	1950
8 th year	0.2125	9178	1950
9 th year	0.2125	9178	1950
10 th year	0.2125	9178	1950
Expenses overhead 5%	0.2125	23797.9	5057
Supervision charge 10%	0.2125	47595.8	10114
Total:-			116312

3. Technical details:-

Technical Details of Compensatory Afforestation Scheme Are As Follows:-

- General Details:- **Blank Area to be stocked by planting 0.2125 ha Area.**
- Spacing:- **4m x 2.5 m**
- Species:- **Shisham, Drek, Euc, Arjun etc.**
- Plantation Method:- **Pits & Ridge Method**
- Soil And Moisture Conservation Works:- **N.A.**
- Protection (Fencing, Watch Man, People's Participation Etc.) **Watchman**
- Proposed Monitoring Mechanism:- **as per guidelines issued by PCCF.**
- Any Other Information: **Nil**

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