

Full Title of the Project: Diversion area of 0.0019 ha. of forest land for approach road to M/S Navjeet Farms (marriage palace) for situated at village Bajwara on Hoshiarpur-Una road, KM 1-2 RHS, Tehsil and Distt. Hoshiarpur. Under Hoshiarpur Forest Division.

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 6 (i) & (v)

"SCHEME FOR COMPENSATORY AFFORESTATION for 100 Plants"

Detailed scheme for Compensatory Afforestation for 100 Plants to be carried out in lieu of 0.0019 Ha., of forest area to be diverted for **Diversion area of 0.0019 ha. of forest land for approach road to M/S Navjeet Farms (marriage palace) for situated at village Bajwara on Hoshiarpur-Una road, KM 1-2 RHS, Tehsil and Distt. Hoshiarpur. Under Hoshiarpur Forest Division.**

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

District **Hoshiarpur** Village **Chak Sadhu, PF**

Tehsil : **Hoshiarpur**

Name of Forest Division **Hoshiarpur** Range **Hoshiarpur**

Block/Compartment/Survey No.: **H.B. No. 503**

Area to be afforested = **0.100 Ha CA**

2. Description of the 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 : **---**

III) In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary : **N/A**

IV) Soil type : **Medium.**

V) Topography :

(a) Hilly/Undulating/**Plain**

(b) Slope: Steep/**Medium**/Gentle

VI) Whether the area is bearing any root stock of vegetation:**NIL**

3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component - wise physical and financial break up to be enclosed

Divisional Forest Officer
Hoshiarpur Forest Division
Hoshiarpur

05/03/2024

ESTIMATED COST FOR DEGRADED PLANTING IN NORTH CIRCLE (SHIWALIKS)

Diversion area of 0.0019 ha. of forest land for approach road to M/S Navjeet Farms (marriage palace) for situated at village Bajwara on Hoshiarpur-Una road, KM 1-2 RHS, Tehsil and Distt. Hoshiarpur. Under Hoshiarpur Forest Division. (Proposal No. FP/PB/Approach/34292/2018 dated 20/06/2018)

1) Diverted Forest Area = 0.0019 Ha.			Daily Wage Rate @ 411/-		
2) 100 Plants Comp. Aff. Scheme area = 0.100 ha			Plants/Ha : 1000		
3) Name of Site of Plantation : Chak Sadhu PF, H.B.No. 503					
4) No. of plants Planted = 0.100*1000 = 100 Plants					
5) Name of speices to be planted (Beri, Simbal, Jand, Kikar, Khair, Amla, Bahera, Phalahl etc)					
Sr. No.	Nature of Work	Unit	Unit Cost	Quantity	Amount
	Component				
	A. Nursery				
1	Cost of Plant including (a) Original planting=1000 per ha. Replacement 10%= 100 per ha Total 1100 No. in P. bag	No	26.79	1100	29469
					29469
	B. Soil /Adv Works.				
2	Cutting of Lantana Malha	Ha.	22418.08	0.60	13450.85
3	Lantana stubbing	Ha.	33626.50	0.20	6725.30
4	Uprooting of old stumps & Disposal	100 No.	82.19	100.00	82.20
5	Preparation of inspection path in Heavy Soil 50 Mtr x 10 Mtr x 1Mtr = 5 M3	M3	164.40	5.00	821.98
6	Survey And Alignment	Ha	1643.71	1	1643.71
7	(a)Earth work i.e. digging of trenches Heavy Soil Size 750No. x 2 Mtr. x .40 Mtr x .35 Mtr = 210 m3	M3	164.40	210	34524.00
	(b) Earth work i.e. digging of pits 250No. X .50 Mtr x 5 Mtr x 4 Mtr = 25 M3	M3	164.40	25	4110.00
					61358
	C. Plantation				
8	(a)Refilling of trenches 750 No x .0.50 Mtr x .40 Mtr x 30 Mtr = 45 m3	M3	33.19	45.00	1493.55
	(b)Refilling of pits 250no.x.50 x 50 x.35=21.87M3	M3	33.19	21.87	725.87
9	Carriage of Plants by Tractor-Trolley	No	6.16	1000	6160.00
10	Carriage of Plants by M/L lead 500mt.	Mtr	12.40	1000	12400.00
11	Loading & unloading of plants	100 No	49.69	1000	496.90
12	Planting of Plants	No	5.23	1000	5230.00
13	Application of Insecticides 1000 x 2 times=2000	100 No	71.79	2000	1435.80
14	Application of fertilizers 1000 x 2 times = 2000	100 No	71.79	2000	1435.80
15	Planting of Bhabbar Grass including extraction and carriage of Tussocks	100 No.	12.97	2000	259.40
16	Preparation of round fencing including cutting carriage material (with binding)	No	30.82	500	15410.00
17	Fixing of Bamboo Tree Guard around plant	No	10.72	0	0.00
					45047.32
	D. Maintenance of Planting Year				
18	Repair i.e. cleaning and dressing of inspection path	M3	164.40	5	821.98
19	Watch and ward for every 10 ha. Of plantation x 26 days	No	41.10	26	1068.60
20	Re-Cutting of lantana/mallaha 2nd and 3rd times. 0.50 x 2 = 1	Ha	7458.99	1.00	7458.99
21	Weeding hoeing i.e. 2000mtr x 3 = 6000 mtr	Mtr	2.55	6000	15300.00
22	Hand watering to plants 300 no	No	4.10	0	0.00
23	Application of Insecticides 1000 x 2 times = 2000	100 No	71.79	2000	1340.00
24	Application of fertilizers (twice) 1000 x 2 times = 2000	100 No	71.79	2000	1340.00
25	Desilting of Tranches 1000 Nox1.50x.35x25 = 131.25	Mtr	74.71	131.25	9805.69
26	Carriage of Plants by Tractor-Trolley	No	6.15	100	615.00
27	Carriage of Plants by M/L lead 500mt.	Mtr	12.41	100	1241.00
28	Loading & unloading of plants	100 No	81.83	100	76.37
29	Cutting of Tall Weeds 2 mtr wide (1000x2=2000)	100 mtr	102.73	2000	1917.00
30	Providing thorny protection to plants against parcopine damage	100 No	205.41	400	766.80
31	Re -Planting of Plants	No	5.23	100	488.00
32	Covering (25% Plants)	No.	3.65	250	912.50
33	Uncovering	No.	0.39	250	97.50
					43249.43

34	Insecticides including carriage	litre	66.11	200	13222.00
35	Fertilizers i.e. urea, Vermi compost etc. including carriage	kg	66.11	200	10000.00
36	POL	L/S	0.00	0	4000
37	Misc. Items (tools, etc)	L/S	0.00	0	32069
Total Cost of Planting Year					211193
Contingency 10%					21119
Total Cost of Planting Year					232312
1st Year Maintenance					
1	Re-opening of trenches for replacement 225 x .50 m x .40 x 40m = 18 m ³	M3	67.82	18.00	1220.76
2	Refilling of trenches 225 No. x 0.50m x 0.40m x 0.35m = 15.75 m ³	M3	42.66	15.75	671.90
3	Reopening of Pits 75 x 50 x .50 x .35 = 6.56 M3	M3	67.82	6.56	444.90
4	Refilling of Pits 75 x 50 x .50 x .35 = 6.56 M3	M3	42.66	6.56	279.85
5	Nursery cost of Plant	No	63.94	300	19182.00
6	Carriage of Plants by Tractor-Trolley	No	6.16	300	1848.00
7	Carriage of Plants by M/L labour lead 500mt.	100 Mtr	12.41	300	34.70
8	Loading & unloading of plants	100 No	49.69	300	149.07
9	Re- Planting of Plants	No	5.23	300	1569.00
10	Weeding and hoeing to trenches (Twice)	Mtr	2.55	2000	5100.00
11	Application of insecticides (Twice)	100 No	71.79	2000	1435.80
12	Application of fertilizers (twice)	100 No	71.79	2000	1435.80
13	Repair of inspection path (Twice)	Mtr	164.40	200	32880
14	Cutting of lantana/mallah etc. per ha II & III times	Ha	7458.89	1.00	7458.89
15	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
16	Covering (25% Plants)	No.	3.65	250	912.50
17	Uncovering	No.	0.39	250	97.50
					75789.26
Cost of material					
18	Insecticides including carriage	litre	484.71	10	4847.10
19	Fertilizers i.e. urea etc. including carriage	kg	66.11	200	13222.00
20	Misc. Items (tools, etc)	L/S			2500
	POL	L/S			5000
					25569.10
Total					101358.36
Contingency 10%					10135.84
Total Cost of 1st Year Mtc					111494.20
2nd Year Maintenance					
1	Reopening of trenches for replacement 200 no x .50 m x 35M x .25m = 8.75 m ³	M3	67.81	8.75	593.34
2	Refilling of trenches 200 No. x 0.50m x 0.35m x 0.25m = 8.75 m ³	M3	42.66	8.75	373.28
3	Nursery cost of Plant	No	63.94	200	12788.00
4	Carriage of Plants in P bags i) M/L Average Lead 1.5 km	No	12.41	200	2482.00
5	ii) Tractor trolley average lead 15 km (1000 plants per trolley)	No	6.16	200	1232.00
6	Loading & unloading of plants from T/ Trolley	100 No	49.69	200	99.38
7	Re -Planting of Plants	No	5.23	200	1046
8	Weeding and hoeing to tranches (Twice)	Mtr	2.55	2000	5100.00
9	Application of insecticides (Twice)	100 No	71.79	2000	1435.80
10	Application of fertilizers (Twice)	100 No	71.79	2000	1435.80
11	Repair of inspection path (Twice)	M3	164.40	200	32880.00
12	Lantana cutting (subsequent time 0.50 Ha) x 2 times =1.00	Ha	7458.99	1.00	7458.99
Total					66924.58
Cost of material					
13	Insecticide	Kg	484.71	10.00	4847.10
14	Fertilizers i.e. urea etc.	Kg	66.11	200.00	13222.00
	POL	L/S			2000.00
Total					20069.10
Total					86993.68
Contingency 10%					8699.37

Sr. No.	Nature of Work	Unit	Unit Cost	Quantity	Amount
	Component				
	Total Cost of 2nd Year Mtc				95693.05
	3rd Year Maintenance				
1	Reopening of trenches for replacement 100 no .50m x .35 m x .25m = 4.37 m ³	M3	67.81	4.37	296.33
2	Refilling of trenches 100 No x 0.50m x 0.35m x 0.25m = 4.37 m ³	M3	42.66	4.37	186.42
3	Nursery cost of Plant	No	63.94	100	6394.00
4	Carriage of Plants by manual labour lead 500mt.	100 Mtr.	12.41	100	1241.00
5	Loading & unloading of plants from T/ Trolley	100 No	49.69	100	49.69
6	a) Tractor trolley average lead 15 km (1000 plants per trolley)	No	6.16	100	616.00
7	Re-Planting of Plants	No	5.23	100	523.00
8	Repair of Barbed Wire fence in hills	100 Mtr	131.28	1950	2560
9	Weeding and hoeing to tranches (Twice)	Mtr.	2.55	2000	5100.00
10	Cutting of lantana/mallaha IInd and IIIrd times	Ha	7458.99	0.70	5221.29
11	Application of fertilizers	100 No	71.79	1000	717.90
12	Repair of inspection path (Twice)	Mtr	164.40	200	32880.00
13	Pruning of plants	No	10.72	250	2680.00
14	Jungle Clearance i.e. Bhang, Jhau tall weed etc	No	6725.10	0.2	1345.02
	Total				59810.62
	Cost of material				
15	Fertilizers i.e. urea etc	Kg	66.11	40.00	2644.40
	Total				2644.40
	Total Cost of 3rd maintenance				62455.02
	Contingency 10%				6245.50
	SubTotal Cost of 3rd year maintenance				68700.52
	4th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
	Total				1068.60
	5th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
	Total				1068.60
	6th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
	Total				1068.60
	7th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
	Total				1068.60
	8th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
	Total				1068.60
	9th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
	Total				1068.60
	10th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1068.6
	Total				1068.60
	ABSTRACT				
1	Total Cost On Plantation Works				232312.17
2	Total Cost of 1st year Maintenance				111494.20
3	Total Cost of 2nd year Maintenance				95693.05
4	Total Cost of 3rd year Maintenance				68700.52
5	Total Cost of 4th year Maintenance				1068.60
6	Total Cost of 5th year Maintenance				1068.60
7	Total Cost of 6th year Maintenance				1068.60
8	Total Cost of 7th year Maintenance				1068.60
9	Total Cost of 8th year Maintenance				1068.60
10	Total Cost of 9th year Maintenance				1068.60
11	Total Cost of 10th year Maintenance				1068.60
	G.Total				515680.14
	Comp. All. Scheme for 1.00 Ha.				515680.14

Sr. No.	Nature of Work	Unit	Unit Cost	Quantity	Amount
	Component				
				Or Say	515680.00
	Scheme Details				
	A. Cost of Compensatory Afforestation per Ha. For 7-10 Year for 100 Plants in 0.100 ha.	Rs	515680	0.100	51568
	B. Entry Point Activities 10% of CA Livelihood generation activities strengthening of JFMC, training, Solar Light etc.				5157
				G. Total	56724.8
				Or Say	56725

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