

Diversion of 0.00652 ha. forest land for construction of approach road to K.S. Royal Marriage Palace on Malikpur to Sunderchak road km 4 to 5 R/side at village Sherpur Khasra No 18R/20/2,21, P.O. Sunderchak under forest division & district Pathankot. (By Sh. Davinder Singh S/o Sh Kartar Singh village Shearpur P.O Sunderchak District Pathankot.) Proposal No. : FP/PB/Approach/116978/ 2020

CHECK LIST SERIAL NUMBER :-17

“SCHEME FOR COMPENSATORY AFFORESTATION”

Details scheme for compensatory Afforestation to be carried out in lieu of 0.00652 ha. of forest land for on approach road for construction of High Level Bridge on Ravi River at Kirrian Pattan under forest Division and District Pathankot.

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

District Pathankot. 0.1 ha (100 Plants) land in UP KAKURI

Tehsil Dhar kalan.

Name of Forest Division **Pathankot Forest Division** forest Range **Dhar .**

Block/ Compartment/Survey No.

Area to be afforested 0.1 ha (100 Plants)

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 :-N.A
- 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 :- Heavy soil / Medium soil
- v Topography a. Hilly/Undulating/**Plan**
b. Slope:- Steep/Medium/**Gentle**
- vi Whether the area is bearing any root stock of vegettation:-NO

3. **Plantation Model :-**

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


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4. **Schedule of Plantation Programme :-**
Details of year-wise break up of requirements of funds is as

under :-

Year	Area	Rate/ha.	Total amount
0 th year	0.1	260631	5994.513
1 st year	0.1	92393	2125.039
2 nd year	0.1	80971	1862.333
3 rd year	0.1	61951	1424.873
4 th year	0.1	1069	24.587
5 th year	0.1	1069	24.587
6 th year	0.1	1069	24.587
7 th year	0.1	1069	24.587
8 th year	0.1	1069	24.587
9 th year	0.1	1069	24.587
10 th year	0.1	1069	24.587
G Total		1069	50343

3. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details
- Spacing
- Species
- Plantation Method
- Soil and Moisture Conservation Works.
- Protection (Fencing Watch man, People's Participation etc.)
- Proposed Monitoring Mechanism.

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ESTIMATED COST FOR DEGRADED PLANTING IN PATHANKOT FOREST DIVISION

Diversion of 0.00652 ha. forest land for construction of approach road to K.S. Royal Marriage Palace on Malikpur to Sunderchak road km 4 to 5 R/side at village Sherpur Khasra No 18R/20/2,21, P.O. Sunderchak under forest division & district Pathankot. Proposal No. : FP/PB/Approach/116978/ 2020

1) Diverted Forest Area = 0.00652 Ha.				Daily Wage Rate @ 411/-	
2) Comp. Aff. Schme area = 0.1 ha				Plants/Ha : 1000	
3) Name of Site of Plantation : UP KAKRUI IN DHAR FOREST RANGE					
4) No. of plants Planted = 0.1 = 100 Plants					
5) Name of speices to be planted (Khair, Amla, Bahera, Bamboo, Shisham, Mango, Juman, etc)					
Sr. No.	Nature of Work	Unit	Rate	Quantity	Amount
	Component				
	A. Nursery				
1	Cost of plant including Original planting=1000 per ha. Replacement 10%= 100 per ha No. in P. bag	(a) No (b) Total 1100	26.79	1100	29467
			0.00		29467
	B. Soil /Adv Works.				
			0.00		0
2	Cutting of Lantana Malha	Ha.	22418.08	0.60	13451
3	Lantana stubbing	Ha.	33626.53	0.20	6725
4	Uprooting of old stumps & Disposal	100 No.	82.19	100.00	82
5	Preparation of inspection path in Heavy Soil 50 Mtr x .20 Mtr x 1Mtr= 10 M3	M3	164.40	10.00	1644
6	Survey And Alignment	Ha	1643.71	1	1644
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	34523
	(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
			0.00		62179
	C. Plantation				
			0.00		0
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
	(b) Refilling of pits 250no.x.50 x.50 x.35=21.87M3	M3	33.19	21.87	726
9	Carriage of plants by Tractor-Trolly	No	6.16	1000	6161
10	Carriage of plants by M/L lead 500mt.	No	12.41	1000	12408
11	Loading & unloading of plants	100 No	49.69	1000	497
12	Planting of plants	No	5.23	1000	5229
13	Application of Insecticides 1000 x 2 times=2000	100 No	71.79	2000	1436
14	Application of fertilizers 1000 x 2 times = 2000	100 No	71.79	2000	1436
15	Preparation of round fencing including cutting carriage material (with binding)	No	30.82	150	4623
16	Fixing of Bamboo Tree Guard around plant	No	10.72	150	1607
17	Preparation of continuous brush wood fencing around plantation	100 Mtr.	2055.00	100	2055
	Total		0.00		37672
	D. Maintenance of Planting Year				
			0.00		0
18	Repair i.e. cleaning and dressing of inspection path	M3	164.40	5	822
19	Watch and ward for every 10 ha. Of plantation x 26 days	No.	41.10	26	1069
20	Re-Cutting of lantana/mallaha 2nd and 3rd times. 0.50 x 2 = 1	Ha	7458.99	1.00	7459
21	Weeding hoeing i.e. 2000mtr x 3 = 6000 mtr	Mtr	2.55	6000	15302
22	Application of Insecticides 1000 x 2 times = 2000	100 No	71.79	2000	1436
23	Application of fertilizers (twice) 1000 x 2 times = 2000	100 No	71.79	2000	1436
24	Desilting of Tranches 1000 No x 1.50 x .35 x 25 = 131.25	Mtr	74.72	131.25	9807
25	Carriage of plants by Tractor-Trolly	No	6.15	100	615

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26	Carriage of plants by M/L lead 500mt.	Mtr	12.41	100	1241
27	Loading & unloading of plants	100 No	49.69	100	4969
28	Cutting of Tall Weeds 2 mtr wide (1000x2=2000)	100 mtr	102.73	2000	2055
29	Providing thorny protection to plants against parcopine damage	100 No	205.41	400	822
30	Re -Planting of plants	No	5.23	100	523
31	Covering (25% Plants)	No.	3.65	250	913
32	Uncovering	No.	0.39	250	96
			0.00		48564
			0.00		0
	D. Material				
33	Insecticides including carriage	litre	484.71	10	4847
34	Fertilizers i.e. urea etc. including carriage	kg	66.11	200	13223
35	cost of bamboo tree guard	No.	133.94	250	33486
36	Misc. Items (tools, etc)	L/S	0.00		2500
37	POL		0.00		5000
					59056
	Total Cost of Planting Year				236937
	Contingency 10%				23694
	Total Cost of Planting Year				260631
	1st Year Maintenance (30%)				
1	Re-opening of trenches for replacement 225 x .50 m x .40 x .40m = 18 m ³	M3	67.82	18.00	1221
2	Refilling of trenches 225 No. x 0.50m x 0.40m x 0.35m = 15.75 m3	M3	42.66	15.75	672
3	Reopening of Pits 75 x.50 x .50 x .35 = 6.56 M3	M3	26.79	6.56	176
4	Refilling of Pits 75 x.50 x .50 x .35 = 6.56 M3	M3	42.66	6.56	280
5	Nursery cost of plant	No	26.79	300	8037
6	Carriage of plants by Tractor-Trolley	No	6.16	300	1848
7	Carriage of plants by M/L labour lead 500mt.	100 Mtr	12.41	300	37
8	Loading & unloading of plants	100 No	49.69	300	149
9	Re- Planting of plants	No	5.23	300	1569
10	Weeding and hoeing to trenches (Twice)	Mtr	2.55	2000	5101
11	Application of insecticides (Twice)	100 No	71.79	2000	1436
12	Application of fertilizers (twice)	100 No	71.79	2000	1436
13	Repair of inspection path (Twice)	Mtr	164.40	200	32879
14	Cutting of lantana/mallah etc. per ha II & III times	Ha	7458.99	1.00	7459
15	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
16	Covering (25% Plants)	No.	3.65	250	913
17	Uncovering	No.	0.39	250	96
					64377
	Cost of material				
18	Insecticides including carriage	litre	484.71	10	4847
19	Fertilizers i.e. urea etc. including carriage	kg	36.35	200	7269
20	Misc. Items (tools, etc)	L/S	0.00		2500
	POL	L/S	0.00		5000
					19616
	Total				83994
	Contingency 10%				8399
	Total Cost of 1st Year Mtc				92393
	2nd Year Maintenance				0
1	Reopening of trenches for replacement 200 no x .50 m x .35M x .25m = 8.75 m3	M3	67.82	8.75	593
2	Refilling of trenches 200 No. x 0.50m x 0.35m x 0.25m = 8.75 m3	M3	42.66	8.75	373
3	Nursery cost of plant	No	26.79	200	5358
4	Carriage of plants in P bags i) M/L Average Lead 1.5 km	No	12.41	200	2482
5	ii) Tractor trolley average lead 15 km (1000 plants per trolley)	No	6.16	200	1232
6	Loading & unloading of plants from T/ Trolley	100 No	49.69	200	99

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7	Re-Planting of plants	No	5.23	200	1046
8	Weeding and hoeing to tranches (Twice)	Mtr.	2.55	2000	5101
9	Application of insecticides (Twice)	100 No	71.79	2000	1436
10	Application of fertilizers (Twice)	100 No	71.79	2000	1436
11	Repair of inspection path (Twice)	M3	164.40	200	32879
12	Lantana cutting (subsequent time 0.50 Ha) x 2 times =1.00	Ha	7458.99	1.00	7459
	Total				59494
	Cost of material				
13	Insecticide	Kg	484.71	10.00	4847
14	Fertilizers i.e. urea etc.	Kg	36.35	200.00	7269
	POL	L/S	0.00		2000
	Total				14116
	Total				73610
	Contingency 10%				7361
	Total Cost of 2nd Year Mtc				80971
	3rd Year Maintenance				
1	Reopening of trenches for replacement 100 no .50m x .35 m x .25m = 4.37 m3	M3	67.82	4.37	296
2	Refilling of trenches 100 No. x 0.50m x 0.35m x 0.25m = 4.37 m3	M3	42.66	4.37	186
3	Nursery cost of plant	No	26.79	100	2679
4	Carriage of plants by manual labour lead 500mt.	100 Mtr.	12.41	100	12
5	Loading & unloading of plants from T/ Trolley	100 No	49.69	100	50
6	ii) Tractor trolly average lead 15 km (1000 plants per trolly)	No	6.16	100	616
7	Re-Planting of plants	No	5.23	100	523
8	Repair of Barved Wire fence in hills	100 Mtr	131.28	1950	2560
9	Weeding and hoeing to tranches (Twice)	Mtr.	2.55	2000	5101
10	Cutting of lantana/mallaha IInd and IIIrd times.	Ha	7458.99	0.70	5221
11	Application of fertilizers	100 No	71.79	1000	718
12	Repair of inspection path (Twice)	Mtr	164.40	200	32879
13	Pruning of plants	No.	10.72	250	2679
14	Jungle Clearance i.e. Bhang, Jhau tall weed etc.	No.	6725.10	0.2	1345
	Total		0.00		54866
	Cost of material		0.00		
15	Fertilizers i.e. urea etc.	Kg	36.35	40.00	1454
	Total				1454
	Total Cost of 3rd maintenance				56319
	Contingency 10%				5632
	SubTotal Cost of 3rd year maintenance				61951
	4th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
	Total				1069
	5th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
	Total				1069
	6th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
	Total				1069
	7th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
	Total				1069
	8th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
	Total				1069
	9th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
	Total				1069
	10th Year Maintenance				
					1069

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1	Watch and ward for every 10 ha. Of plantation	No	41.10	26.00	1069
	Total				1069
	ABSTRACT				
1	Total Cost On Plantation Works				260631
2	Total Cost of 1st year Maintenance				92393
3	Total Cost of 2nd year Maintenance				80971
4	Total Cost of 3rd year Maintenance				61951
5	Total Cost of 4th year Maintenance				1069
6	Total Cost of 5th year Maintenance				1069
7	Total Cost of 6th year Maintenance				1069
8	Total Cost of 7th year Maintenance				1069
9	Total Cost of 8th year Maintenance				1069
10	Total Cost of 9th year Maintenance				1069
11	Total Cost of 10th year Maintenance				1069
	G.Total				503427
	Comp. Aff. Scheme for 1.00 Ha.				503427
				Or Say	503427
	Scheme Details				
	A. Comp. Aff. Scheme for 0.1 ha = 100 plants	Rs	503427	0.1	50343
			TOTAL		50343




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