

Full Title of the Proposal

Diversion of 0.0061 ha. of Forest Land for approach access and exit to project being developed by M/s MOHALI GREENSVILLE INFRA LLP Located on NH 205A Banur – Kharar Road at Village Kailon, District SAS Nagar (Mohali), Punjab under Forest Division SAS Nagar.

Acknowledgement Key at Division level

Proposal No. FP/PB/Approach/153066/2022/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) 202 Date **08.06.2023**

CHECK LIST SERIAL NUMBER: 18

“SCHEME FOR COMPENSATORY AFFORESTATION”

Detail scheme for Compensatory Afforestation to be carried out in lieu of 0.0061 hectare of Forest area to be diverted in favor of approach access and exit to project being developed by M/s MOHALI GREENSVILLE INFRA LLP Located on NH 205A Banur – Kharar Road at Village Kailon, District SAS Nagar (Mohali), Punjab under Forest Division SAS Nagar

Details of degraded forest land / non-forest land

Distt. = S.A.S Nagar, Village Bir Bakarpur

Tehsil- Derabassi,

Name of Forest Division = S.A.S Nagar, Range – Derabassi,

Block/Compartment/Survey No. Bir Bakarpur,

Area to be Compensatory Afforestation = 0.100 Ha.

2. Description of the Area

- i. Whether the site selected for Compensatory Afforestation is a land bank or not Bir Bakarpur selected for Comp. Aff.
- 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: **Heavy**
- v. Topography:
 - a. Hilly/**Undulating**/Plain
 - b. Slope: Steep / **Medium** / Gentle
- vi. Whether the area is bearing any root stock of Vegetation: **Yes.**

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
S.A.S Nagar

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4. **Schedule of Plantation Programme:-**

Details of year-wise break-up of requirements of funds are as under:-

Year	Area	Total Amount
0 th Year Mtc.	0.100 ha.	17495.60
1 st Year Mtc.	0.100 ha.	14400.40
2 nd Year Mtc.	0.100 ha.	12920.50
3 th Year Mtc.	0.100 ha.	8445.00
4 th Year Mtc.	0.100 ha.	6836.70
5 th Year Mtc.	0.100 ha.	2147.70
6 th Year Mtc.	0.100 ha.	2147.70
7 th Year Mtc.	0.100 ha.	2147.70
8 th Year Mtc.	0.100 ha.	2147.70
9 th Year Mtc.	0.100 ha.	2147.70
10 th Year Mtc.	0.100 ha.	2147.70
Total		72984.40
Entry Point Activity 10%		7298.00
G. Total		80282.00

5. **Technical Details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- (a) General Details : Detail as under :-
- (b) Spacement: **3 Mtr x 3 Mtr.**
- (c) Species: **Shisham, Kikar, Dake, Euc., Arjan, & Other species.**
- (d) Plantation Method : **Degraded Planting**
- (e) Soil and Moisture Conservation Works: **N.A.**
- (f) Protection (Fencing, Watch man, People's Participation etc.): **Fencing & Watch & Ward.**
- (g) Proposed Monitoring Mechanisms: **N.A.**
- (h) Any other information: **Nil**

Place: S.A.S Nagar
Date.. **05-06-2023**

(Kanwar Deep Singh, IFS)
Divisional Forest Officer,
Forest Division S.A.S.Nagar,
S.A.S Nagar,

Compensatory Afforestation Scheme with 10 years mtc. for Diversion of 0.0061 ha. of Forest Land for approach access and exit to project being developed by M/s MOHALI GREENSVILLE INFRA LLP Located on NH 205A Banur – Kharar Road at Village Kailon, District SAS Nagar (Mohali), Punjab under Forest Division SAS Nagar.

1) Diverted Forest Area = 0.0061 Ha.

2) Comp. Aff. Schme area = 0.100 Ha.

3) Name of Site of Plantation = Bir Bakarpur

Daily Wage Rate : 411/-

4) No. of plants Planted = 100 Plants

Plants : 1000 No.

Sr. No.	Name of Work	Unit	unit cost (in Rs.)	Qty	Amount
	Nursery				
1	Cost of Plants	1 No	21.35	1,100	23,485
	Earth Work				
2	Site /Jungle Clearance (60%)	Ha.	6725.33	0.60	4,035
3	Alignment & Dagbailing	Ha.	1233	1.00	1,233
4	Earth Work- Digging of trenches 1000 x 2m x 0.35m x 0.30m Heavy Soil	1M ³	128	210	26,880
5	Kana Stubbing 40%	Ha.	33627	0.40	13,451
	Planting				
6	Refilling of trenches 1000 x 0.5m x 0.35m x 0.3m	100 cum	3442	53	1,807
7	Loading of Plants (1000+10% Wastage=1100)	100 No	30.81	1,100	339
8	Carriage of P. Bags in trolley from nursery to plantation site (1100 plants= 1 trolley) (for 10 Km)	1 trolley for 10 kms	3082.5	1.00	3,083
9	Unloading of Plants (1000+10% Wastage=1100)	100 No	20.55	1,100	226
10	Carriage of Plants (1100+10% Wastage=1100 above 50 m distance)	100 No	25.68	1,100	282
11	Loading of FYM / Vermicompost	1 trolley	411	0.10	41
12	Carriage of Vermicompost (10 kms)	1 trolley	2055	0.10	206
13	Unloading of FYM / Vermicompost	1 trolley	205.5	0.10	21
14	Planting of Plants (1000 No Including 10% replacement)	100 No	523.09	1,100	5,754
15	Spot Irrigation (1000 Plants)	100 No	411	1,000	4,110
16	Application of Insecticide (2 times)	100 No	71.91	2,000	1,438
17	Application of Fertilizers (2 times)	100 No	71.91	2,000	1,438
18	Weeding & Hoeing 3 times	100 No	447.99	3,000	13,440

19	Replanting of Plants 10%	100 No	523	100	523
20	Rejungle Clearance (2 times)	Per Ha	6725.30	1.20	8,070
21	Restubbing of Kana (1 time)	Ha.	33627	0.40	13,451
22	Watch & Ward for every 10 Ha. (7 months)	Man year	128232	1 Man 12 Month	12,823
23	Material				
	i) Insecticides/Fertilizers	L/s			6,000
	ii) Vermicompost	L/s			3,000
	iii) POL	L/s			7,000
24	properation of I / path	Mtr.	10,379.61	50	5,190
25	Cutting of latana malah	Ha.	7,472.72	1	3,736
26	Cutting of tall weeds	Rmt.	10,275.00	50	5,138
27	Padding of plants	No.	205.50	50	103
			Sub Total		166,302
Maintenance I Year					
1	Cost of plants for 30% replacement	1 No.	21.35	300	6,405
2	Reopening of trenches 300 x 2m x 0.35m x 0.30m	1 m3	74.71	63.00	4,707
3	Refilling of trenches with earth in other soils 300 x 0.5m x 0.35m x 0.3m	1 m3	34.41	15.75	542
4	Loading & Unloading of Plants	100 No.	51.38	330	170
5	Carriage of Plants (300+10% Wastage=330 avg. distance upto 10 km.)	1000 No	3,082.50	330	1,017
6	Spreading of plants trenches to trenches	100 No	25.68	300	77
7	Re-planting of Plants	100 No	523.09	330	1,726
8	Spot Irrigation	100 No.	411.00	300	1,233
9	Weeding & Hoeing (thrice)	100 No	447.99	3,000	13,440
10	App. Of Fertilizer (two times)	100 No	71.93	2,000	1,439
11	App. Of Insecticide (two times)	100 No	71.93	2,000	1,439
12	Rejungle Clearance (2 times)	Ha.	7,193.00	1.20	8,632
13	Restubbing of Kana	Ha.	33,627.27	0.40	13,451
14	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
15	POL	L/s			6,000
16	Material and supply	L/s			6,000
17	properation of I / path	Mtr.	103,796.61	50	51,898
18	Cutting of latana malah	Ha.	7,472.72	1	3,736
19	Cutting of tall weeds	Rmt.	1,027.50	50	514
20	Padding of plants	No.	205.50	50	103
			Sub Total		135,350

Divisional Forest Officer
S.A.S. Nagar

Maintenance II Year					
1	Cost of plants for 15% replacement	No.	21.35	150	3,203
2	Reopening of trenches 150 x2m x 0.35m x 0.3m	1 m3	74.71	31.50	2,353
3	Refilling of trenches with earth in other soils 150 x 0.5m x 0.35m x 0.3m	1 m3	34.41	7.88	271
4	Loading & Unloading of Plants	100 No.	51.83	165	86
5	Carriage of Plants (No. of plants = 150 avg. distance upto 10 km.)	1000 No	3,082.50	165	509
6	Spreading of plants trenches to trenches	100 No	25.68	150	39
7	Re-planting of Plants	100 No	523.09	165	863
8	Spot Irrigation	100 No.	411.00	150	617
9	Weeding & Hoeing (2 times)	100 No	447.99	2,000	8,960
10	Rejungle Clearance (2 times)	Ha.	6,725.39	1.20	8,070
11	Stubbing of Kana	Ha.	33,627.27	0.40	13,451
12	Pruning of plants	100 No.	104.61	1,000	1,046
13	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
14	POL	L/s			6,000
15	Material and supply	L/s			6,000
16	Properation of I / path	Mtr.	10,379.61	50	51,898
17	Cutting of latana malah	Ha.	7,472.72	1	3,736
18	Cutting of tall weeds	Rmt.	10,275.00	50	514
19	padding of plants	No.	205.50	50	103
			Sub Total		120,541
Maintenance III Year					
1	Cost of plants for 10% replacement	No.	21.35	100	2,135
2	Reopening of trenches 100 x 2m x 0.35m x 0.30m	1 m3	74.71	21.00	1,569
3	Refilling of trenches with earth in other soils 100 x 0.5m x 0.35m x 0.3m	1 m3	34.41	5.25	181
4	Loading & Unloading of Plants	100 No.	51.83	110	57
5	Carriage of Plants (No. of plants = 100 avg. distance upto 10 km.)	1000 No	3,082.50	110	339
6	Spreading of plants trenches to trenches	100 No	25.68	100	26
7	Re-planting of Plants	100 No	523.09	110	575
8	Spot Irrigation	100 No.	411.00	100	411
9	Weeding & Hoeing (2 times)	100 No	447.29	2,000	8,946
10	Rejungle Clearance (2 times)	Ha.	6,725.39	1.20	8,070
11	Stubbing of Kana	Ha.	33,627.27	0.40	13,451
12	Pruning of plants	100 No.	104.61	1,000	1,046

13	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
14	POL	L/s			6,000
15	Material and supply	L/s			6,000
16	properation of I / path	Mtr.	10,379.61	50	5,190
17	Cutting of latana malah	Ha.	7,472.72	1	3,736
18	Cutting of tall weeds	Rmt.	10,275.00	50	5,138
19	Padding of plants	No.	205.50	50	103
			Sub Total		75,796
Maintenance IV Year					
1	Cost of plants for 5% replacement	No.	21.35	50	1,068
2	Reopening of trenches 50 x 2m x 0.35m x 0.3m	1 m3	74.71	10.50	784
3	Refilling of trenches with earth in other soils 0.5m x 0.5m x 0.3m	1 m3	34.41	2.63	90
4	Loading & Unloading of Plants	100 No.	51.38	55	28
5	Carriage of Plants (No. of plants = 50 avg. distance upto 10 km.)	1000 No	3,082.50	55	170
6	Spreading of plants trenches to trenches	100 No	25.68	50	13
7	Re-planting of Plants	100 No	523.09	55	288
8	Spot Irrigation	100 No.	411.00	50	206
9	Weeding & Hoeing (2 times)	100 No	447.99	2,000	8,960
10	Rejungle Clearance (2 times)	Ha.	6,725.90	1.20	8,071
11	Pruning of plants	100 No.	104.61	1,000	1,046
12	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
13	POL	L/s			6,000
14	Material and supply	L/s			6,000
15	properation of I / path	Mtr.	10,379.61	50	5,190
16	Cutting of latana malah	Ha.	7,472.72	1	3,736
17	Cutting of tall weeds	Rmt.	10,275.00	50	5,138
18	padding of plants	No.	205.50	50	103
			Sub Total		59,713
Maintenance V Year					
1	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
			Sub Total		12,823
Maintenance VI Year					
1	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
			Sub Total		12,823

Maintenance VII Year					
1	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
			Sub Total		12,823
Maintenance VIII Year					
1	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
			Sub Total		12,823
Maintenance X Year					
1	Watch & Ward for every 10 Ha.	Man year	128,232.00	1 Man Year	12,823
			Sub Total		12,823
				TOTAL	634,641
	Over Head expenses 5%				31,732.03
	Enhancement due to wage escalation @10%				63,464.05
				G.Total	729,837
				Or Say	729,837
	Comp. Aff. Scheme	0.100 x 729837			72983.70
	Total				72983.70
	Entry Point Activities (10%) (Livelihood Trainings-Garbage Disposal, Compost Making, Awareness Camps)				7298.37
	Grand Total				80282.07

SUMMARY OF COST					
1)	Cost of Plantation for 100 Plants	-	72,984		
2)	Entry Point Activitiy 10% of CA	-	7,298		
	G.Total	-	80282		

Place: S.A.S Nagar

Date: 05-06-2023

(Kanwar Deep Singh, IFS)
Divisional Forest Officer,
Forest Division S.A.S.Nagar,
S.A.S Nagar.