



Full Title of the
Proposal

Diversion of 0.0312 ha. of forest land infavour of M/s GNG Promoters for construction of approach road to Residential Project at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road KM 2-3 RHS, Under Forest Division & Distt. S.A.S Nagar, Punjab.

Acknowledgement
Key at Division
level

Proposal No. FP/PB/Approach/32954/2018/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) 15.5. Date 04.06/2018.

CHECK LIST SERIAL NUMBER: 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for Compensatory Afforestation to be carried out in lieu of 0.0312 hectare of Forest area to be diverted for construction of approach road to Residential Project at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road KM 2-3 RHS, Under Forest Division & Distt. S.A.S Nagar, Punjab.

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

Distt. = S.A.S Nagar, Village Hansala,

Tehsil- Derabassi,

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

Block/Compartment/Survey No. Bir Hansala,

Area to be Compensatory afforestation = **0.130 Ha.**

2. Description of the Area

- i. Whether the site selected for Compensatory Afforestation is a land bank or not **Bir Hansala** 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. Km approximately.**
- 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

2. **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.	0.130 ha.	20614.00
1 nd Year Mtc.	0.130 ha.	12292.00
2 rd Year Mtc.	0.130 ha.	10557.00
3 th Year Mtc.	0.130 ha.	10234.00
4 th Year Mtc.	0.130 ha.	8274.00
5 th Year Mtc.	0.130 ha.	2466.00
6 th Year Mtc.	0.130 ha.	2466.00
7 th Year Mtc.	0.130 ha.	2466.00
8 th Year Mtc.	0.130 ha.	2466.00
9 th Year Mtc.	0.130 ha.	2466.00
10 th Year Mtc.	0.130 ha.	2469.00
Total		76770.00
Entry Point Activity 10%		7677.00
G.Total		84447.00

3. **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, Dek. 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.....

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

Compensatory Afforestation Scheme with 10 years mtc. for diversion of 0.0312 ha. of forest land infavour of M/s GNG Promoters for construction of approach road to Residential Project at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road KM 2-3 RHS, Under Forest Division & Distt. S.A.S Nagar, Punjab.

1) Diverted Forest Area = 0.0312 Ha.

2) Comp. Aff. Schme area = 0.130 Ha.

3) Name of Site of Plantation = Bir Hansala

Daily Wage Rate : 385/-

4) No. of plants Planted = 130 Plants

Plants : 1000 No.

Sr. No.	Name of Work	Unit	unit cost (in Rs.)	Qty	Amount
	Nursery				
1	Cost of Plants	1 No	20	1,100	22,000
	Earth Work				
2	Site /Jungle Clearance (60%)	Ha.	6299.93	0.60	3,780
3	Alignment & Dagbailing	Ha.	1155	1.00	1,155
4	Earth Work- Digging of trenches 1000 x 2m x 0.35m x 0.30m Heavy Soil	1M ³	119	210	24,990
5	Kana Stubbing 40%	Ha.	31500	0.40	12,600
	Planting				
6	Refilling of trenches 1000 x 0.5m x 0.35m x 0.3m	100 cum	3224.37	53	1,693
7	Loading of Plants (1000+10% Wastage=1100)	100 No	28.87	1,100	318
8	Carriage of P. Bags in trolley from nursery to plantation site (1100 plants= 1 trolley) (for 10 Km)	1 trolley for 10 kms	2887.50	1.00	2,888
9	Unloading of Plants (1000+10% Wastage=1100)	100 No	19.25	1,100	212
10	Carriage of Plants (1100+10% Wastage=1100 above 50 m distance)	100 No	24.06	1,100	265
11	Loading of FYM / Vermicompost	1 trolley	385	0.10	39
12	Carriage of Vermicompost (10 kms)	1 trolley	1925	0.10	193
13	Unloading of FYM / Vermicompost	1 trolley	192.5	0.10	19
14	Planting of Plants (1000 No Including 10% replacement)	100 No	490	1,100	5,390
15	Spot Irrigation (1000 Plants)	100 No	385	1,000	3,850
16	Application of Insecticide (2 times)	100 No	67.37	2,000	1,347
17	Application of Fertilizers (2 times)	100 No	67.37	2,000	1,347
18	Weeding & Hoeing 3 times	100 No	419.65	3,000	12,590

Divisional Forest Officer
S.A.S. Nagar

19	Replanting of Plants 10%	100 No	490	100	490
20	Rejungle Clearance (2 times)	Per Ha.	6299.94	1.20	7,560
21	Restubbing of Kana (1 time)	Ha.	31500	0.40	12,600
22	Watch & Ward for every 10 Ha. (7 months)	Man year	119664	1Man 7 Month	6,980
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.	9,723.00	50	4,862
25	Cutting of latana malah	Ha.	7,000.00	1	3,500
26	Cutting of tall weeds	Rmt.	9,625.00	50	4,813
27	Padding of plants	No.	192.50	50	96
			Sub Total		1,51,574

Maintenance I Year

1	Cost of plants for 30% replacement	1 No.	20.00	300	6,000
2	Reopening of trenches 300 x 2m x 0.35m x 0.30m	1 m3	69.99	63.00	4,409
3	Refilling of trenches with earth in other soils 300 x 0.5m x 0.35m x 0.3m	1 m3	32.24	15.75	508
4	Loading & Unloading of Plants	100 No.	48.13	330	159
5	Carriage of Plants (300+10% Wastage=330 avg. distance upto 10 km.)	1000 No	2,887.50	330	953
6	Spreading of plants trenches to trenches	100 No	24.06	300	72
7	Re-planting of Plants	100 No	490.00	330	1,617
8	Spot Irrigation	100 No.	385.00	300	1,155
9	Weeding & Hoeing (thrice)	100 No	419.65	3,000	12,590
10	App. Of Fertilizer (two times)	100 No	67.38	2,000	1,348
11	App. Of Insecticide (two times)	100 No	67.38	2,000	1,348
12	Rejungle Clearance (2 times)	Ha.	6,299.94	1.20	7,560
13	Restubbing of Kana	Ha.	31,500.00	0.40	12,600
14	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
15	POL	L/s			6,000
16	Material and supply	L/s			6,000
17	properation of I / path	Mtr.	9,723.00	50	4,862
18	Cutting of latana malah	Ha.	7,000.00	1	3,500
19	Cutting of tall weeds	Rmt.	9,625.00	50	4,813
20	Padding of plants	No.	192.50	50	96
			Sub Total		87,554

Divisional Forest Officer
S.A.S. Nagar

Maintenance II Year					
1	Cost of plants for 15% replacement	No.	20.00	150	3,000
2	Reopening of trenches 150 x2m x 0.35m x 0.3m	1 m3	69.99	31.50	2,205
3	Refilling of trenches with earth in other soils 150 x 0.5m x 0.35m x 0.3m	1 m3	32.24	7.88	254
4	Loading & Unloading of Plants	100 No.	48.13	165	79
5	Carriage of Plants (No. of plants = 150 avg. distance upto 10 km.)	1000 No	2,887.50	165	476
6	Spreading of plants trenches to trenches	100 No	24.06	150	36
7	Re-planting of Plants	100 No	490.00	165	809
8	Spot Irrigation	100 No.	385.00	150	578
9	Weeding & Hoeing (2 times)	100 No	419.65	2,000	8,393
10	Rejungle Clearance (2 times)	Ha.	6,299.94	1.20	7,560
11	Stubbing of Kana	Ha.	31,500.00	0.40	12,600
12	Pruning of plants	100 No.	98.00	1,000	980
13	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
14	POL	L/s			6,000
15	Material and supply	L/s			6,000
16	Properation of I / path	Mtr.	9,723.00	50	4,862
17	Cutting of latana malah	Ha.	7,000.00	1	3,500
18	Cutting of tall weeds	Rmt.	9,625.00	50	4,813
19	padding of plants	No.	192.50	50	96
			Sub Total		74,206
Maintenance III Year					
1	Cost of plants for 10% replacement	No.	20.00	100	2,000
2	Reopening of trenches 100 x 2m x 0.35m x 0.30m	1 m3	69.99	21.00	1,470
3	Refilling of trenches with earth in other soils 100 x 0.5m x 0.35m x 0.3m	1 m3	32.24	5.25	169
4	Loading & Unloading of Plants	100 No.	48.13	110	53
5	Carriage of Plants (No. of plants = 100 avg. distance upto 10 km.)	1000 No	2,887.50	110	318
6	Spreading of plants trenches to trenches	100 No	24.06	100	24
7	Re-planting of Plants	100 No	490.00	110	539
8	Spot Irrigation	100 No.	385.00	100	385
9	Weeding & Hoeing (2 times)	100 No	419.65	2,000	8,393
10	Rejungle Clearance (2 times)	Ha.	6,299.94	1.20	7,560
11	Stubbing of Kana	Ha.	31,500.00	0.40	12,600
12	Pruning of plants	100 No.	98.00	1,000	980

Divisional Forest Officer
S.A.S. Nagar

13	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
14	POL	L/s			6,000
15	Material and supply	L/s			6,000
16	properation of I / path	Mtr.	9,723.00	50	4,862
17	Cutting of latana malah	Ha.	7,000.00	1	3,500
18	Cutting of tall weeds	Rmt.	9,625.00	50	4,813
19	Padding of plants	No.	192.50	50	96
			Sub Total		71,727
Maintenance IV Year					
1	Cost of plants for 5% replacement	No.	20.00	50	1,000
2	Reopening of trenches 50 x 2m x 0.35m x 0.3m	1 m3	69.99	10.50	735
3	Refilling of trenches with earth in other soils 0.5m x 0.5m x 0.3m	1 m3	32.24	2.63	85
4	Loading & Unloading of Plants	100 No.	48.13	55	26
5	Carriage of Plants (No. of plants = 50 avg. distance upto 10 km.)	1000 No	2,887.50	55	159
6	Spreading of plants trenches to trenches	100 No	24.06	50	12
7	Re-planting of Plants	100 No	490.00	55	270
8	Spot Irrigation	100 No.	385.00	50	193
9	Weeding & Hoeing (2 times)	100 No	419.65	2,000	8,393
10	Rejungle Clearance (2 times)	Ha.	6,299.94	1.20	7,560
11	Pruning of plants	100 No.	98.00	1,000	980
12	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
13	POL	L/s			6,000
14	Material and supply	L/s			6,000
15	properation of I / path	Mtr.	9,723.00	50	4,862
16	Cutting of latana malah	Ha.	7,000.00	1	3,500
17	Cutting of tall weeds	Rmt.	9,625.00	50	4,813
18	padding of plants	No.	192.50	50	96
			Sub Total		56,648
Maintenance V Year					
1	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
			Sub Total		11,966
Maintenance VI Year					
1	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
			Sub Total		11,966

Divisional Forest Officer
S.A.S. Nagar

Maintenance VII Year					
1	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
			Sub Total		11,966
Maintenance VIII Year					
1	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
			Sub Total		11,966
Maintenance IX Year					
1	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
			Sub Total		11,966
Maintenance X Year					
1	Watch & Ward for every 10 Ha.	Man year	1,19,664.00	1 Man Year	11,966
			Sub Total		11,966
				TOTAL	5,13,509
	Over Head expenses 5%				25,675.44
	Enhancement due to wage escalation @10%				51,350.88
				G.Total	5,90,535
				Or Say	5,90,535
	Comp. Aff. Scheme	0.130 x 590535			76770.00
	Net Present value of diverted land	0.0312 x 957780			29883.00
	Total				106653.00
	Entry Point Activities (10%) (Livelihood Trainings-Garbage Disposal, Compost Making, Awareness Camps)				7677.00
	Grand Total				114330.00

SUMMARY OF COST					
1)	Cost of Plantation for 540 Plants	-	76,770		
2)	Entry Point Activitiy 10% of CA	-	7,677		
3)	Net Present Value @ 9,57,780/-	-	29883.00		
	G.Total	-	114330		

Place: S.A.S Nagar

Date: 12/12/22

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