

Acknowledgement

Key at Division
levelProposal No. FP/PB/Road/42364/2019/S.A.S.Nagar Forest Division/Pvt. (Division
FCA register) 170 Date 19/12/19**CHECK LIST SERIAL NUMBER: 18****"SCHEME FOR ADDITIONAL COMPENSATORY AFFORESTATION TALL PLANTS"**

Detail scheme for Additional Compensatory Afforestation **Tall plants** to be carried out in lieu of **1.23 hectare** of Forest area to be diverted for **Construction of Chandigarh Barrier Jainti Majri, Gura, Kasouli Karondawala up to Haryana Border Link road (Proposed length 2.46 KM) Under Forest Division & Disst S.A.S. Nagar.**

1. Details of degraded forest land / non-forest landDistt. = **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 afforestation = **0.252 Ha.****2. Description of the Area**

- i. Whether the site selected for Additional Compensatory Afforestation Tall plants 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 Additional Compensatory Afforestation Tall plants Scheme / Model showing component wise physical and financial break up to be enclosed.

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S.A.S. Nagar

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FCA register) ...170... Date 19/12/194. Schedule of Plantation Programme:-

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

Year	Area	No. of Plants	Rate	Total Amount
Total Cost per plant (in Rs)	0.252 ha.	126	676	85,176.00
Cost of Tree Guards as per site is extra (in Rs per Tree Guard)	0.252 ha.	63	1800	1,13,400.00
Total				1,98,576.00

5. Technical Details:-Technical details of Additional Compensatory Afforestation Tall plants 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.....

(Guramanpreet Singh, P.F.S.)
Divisional Forest Officer,
Forest Division S.A.S.Nagar,
S.A.S Nagar.

Additional Compensatory Afforestation Scheme for diversion of 1.23 hac. of forest land in favour of Construction of Chandigarh Barrier Jointly Majri, Gura, Kasouli Karondawala up to Haryana Border Link road (Proposed lenth 2.46 KM) Under Forest Division & Disst S.A.S. Nagar.

1) Diverted Forest Area = 1.23 Ha.

2) Comp. Aff. Tall plants Schme area = 0.126 Ha.

Daily Wage Rate : 328/-

3) No. of plants Planted = 63 Plants

Estimate for planting of Tall plants

	Name of Work	Unit	Unit Cost (In Rs.)	Qty	Total Amt
	Nursery	1 No	60	550	33000.00
	Cost of Tall plants				
	Soil Works	Ha.	5367.22	0.5	2683.61
1	Site /Jungle Clearance (50%)	Ha.	984	1	984.00
2	Alignment & Dagbailing	1M ³	101.38	90	9124.20
3	Earth Work- Digging of Pits 500 x 0.6m x 0.6m x 0.5m Heavy Soil	Ha.	26836.3	0.25	6709.08
4	Kana Stubbing 25%				
	Planting	100 cum	2747	72	1977.84
1	Refilling of Pits	100 No	246	550	1353.00
2	Loading & Unloading of Plants (500+10% Wastage=550)	100 No	196.8	1	196.80
3	Carriage of Plants (500+10% Wastage=550 avg. distance upto 10 km.) 500 Trolly	100 No	131.2	550	721.60
4	i) Carriage from site to site	100 No	984	550	5412.00
	ii) Planting of Plants (500 No Including 10% replacement)	100 No	205	500	1025.00
5	Spot Irrigation (500 Plants)	100 No	41	1000	410.00
6	Application of Insecticide (2 times)	100 No	41	1000	410.00
7	Application of Fertilizers (2 times)	100 No	357.52	1500	5362.80
8	Weeding & Hoeing 3 times	100 No	205	6000	12300.00
9	Hand Water 6 months x 2 times =12 times	100 No	579.11	50	289.56
10	Replanting of Plants 10%	Per Ha.	2378	1	2378.00
11	Rejungle Clearance (2 times)	100 No	295.2	125	369.00
12	Covering (25% plants) of plants	100 No	32.8	125	41.00
13	Uncovering of plants	Ha.	26836.3	0.25	6709.08
14	Restubbing of Kana (1 time)	L/s			4200.00
15	Laying out & fixing of Barbed Wire	Man year	8528	1Man 7 Month	5969.60
16	Watch & Ward for every 10 Ha. (7 months)				
17	Material	L/s			5000.00
	i) Insecticides/Fertilizers	L/s			5000.00
	ii) POL				
				Sub Total	111626.16
	Maintenance 1 Year				
		1 No.	60	150	9000.00
1	Cost of plants for 30% replacement	1 m3	59.63	21.6	1288.01
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 m3	27.47	21.6	593.35
3	Refilling of pits with earth in other soils 150 x 0.60 x 0.60 x 0.40	1 No.	2.46	150	369.00
4	Loading & Unloading of Plants	500 No	196.2	1	196.20
5	Carriage of Plants (150+10% Wastage=330 avg. distance upto 10 km.)	100 No	131.2	165	216.48
6	Spreading of plants pit to pit	100 No	329.08	165	542.98
7	Re-planting Tall Plants	100 No.	205	165	338.25
8	Spot Irrigation	100 No	357.52	1500	5362.80
9	Weeding & Hoeing (thrice)	100 No	41	1000	410.00
10	App. Of Fertilizer (two times)	100 No	41	1000	410.00
11	App. Of Insecticide (two times)	100 No	357.52	6000	21451.20
12	Hand watering 6 months x 2 times =12 times	Ha.	2378	1	2378.00
13	Rejungle Clearance (2 times)	Ha.	26836	0.25	6709.00
14	Restubbing of Kana	Man year	8528	1/10 Man yr.	8528.00
15	Watch & Ward for every 10 Ha. (10 months)	L/s			5000.00
16	POL	L/s			5000.00
17	Material and supply			Sub Total	67793.27

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Maintenance II Year				
		No.	60	75
1	Cost of plants for 15% replacement	1 m3	59.63	10.8
2	Reopening of Pits 75 x 0.60 x 0.60 x 0.40	1 m3	27.47	10.8
3	Refilling of pits with earth in other soils 75 x 0.60 x 0.60 x 0.40	1 No.	2.46	75
4	Loading & Unloading of Plants	500 No	196.2	1
5	Carriage of Plants = 75 avg. distance upto 10 km.)	100 No	131.2	75
6	Spreading of plants pit to pit	100 No	229.08	75
7	Re-planting to tall plants	100 No.	205	75
8	Spot Irrigation	100 No	357.52	1500
9	Weeding & Hoeing (twice)	100 No	205	5000
10	Hand Watering 10 Times	Ha.	2378	1
11	Rejungle Clearance (2 times)	Ha.	26836	0.1
12	Stubbing of Kana	100 No.	387.61	100
13	Pruning to plants	Man year	8528	1/10 Man yr.
14	Watch & Ward for every 10 Ha.	L/s		
15	POL	L/s		
16	Material and supply			Sub Total
				45835.35
Maintenance III Year				
		1 No.	60	50
1	Cost of plants for 10% replacement	1 m3	5963	7.2
2	Reopening of Pits 50 x 0.60 x 0.60 x 0.40	1 m3	27.47	7.2
3	Refilling of pits with earth in other soils 50 x 0.60 x 0.60 x 0.40	1 No.	2.46	50
4	Loading & Unloading of Plants	500 No	196.2	1
5	Carriage of Plants 50 avg. distance upto 10 km.)	100 No	131.2	50
6	Spreading of plants pit to pit	100 No	229.08	50
7	Re-planting to plants	100 No.	205	50
8	Spot Irrigation	100 No	357.52	1500
9	Weeding & Hoeing (thrice)	100 No	205	4000
10	Hand Watering (8 times)	Ha.	2378	1
11	Rejungle Clearance (2 times)	Ha.	26836	0.1
12	Stubbing of Kana	100 No.	387.61	100
13	Pruning to plants 20%	Man year	8528	1/10 Man yr.
14	Watch & Ward for every 10 Ha.	L/s		
15	POL	L/s		
16	Material and supply			Sub Total
				41768.97
Maintenance IV Year				
		1 No.	60	25
1	Cost of plants for 5% replacement	1 m3	59.63	3.6
2	Reopening of Pits 25 x 0.60 x 0.60 x 0.40	1 m3	27.47	3.6
3	Refilling of pits with earth in other soils 25 x 0.60 x 0.60 x 0.40	1 No.	2.46	25
4	Loading & Unloading of Plants	500 No	196.2	1
5	Carriage of Plants = 25 avg. distance upto 10 km.)	100 No	131.2	25
6	Spreading of plants pit to pit	100 No	229.08	25
7	Re-planting to plants	100 No.	205	25
8	Spot Irrigation	100 No	357.52	1500
9	Weeding & Hoeing (twice)	Ha.	2378	1
10	Rejungle Clearance (2 times)	100 No.	387.61	300
11	Pruning to plants 30%	Man year	8528	1/10 Man yr.
12	Watch & Ward for every 10 Ha.	L/s		
15	POL	L/s		
16	Material and supply			Sub Total
				29644.21
				TOTAL
				296667.96

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	Over Head expenses 5%				14833.40
	Enhancement due to wage escalation @9%				26700.12
				G.Total	338201.47
				Or Say	338201
Note:-	The watch and ward in subsequent years will carry out the necessary operations of Pruning				
	Total Cost per plant (in Rs)	676			
	Cost of Tree Guards as per site is extra (in Rs per Tree Guard)	1800	63		113400.00
	Total Cost per plant (in Rs)	676			676.00
	Total No. of effected under garh pole & Plants 63*2 =126 plants				126
	Comp. Aff. Tall plants Schme	126*676			85176.00
	Grand Total				198576.00

Place: S.A.S Nagar

Date.....

(Guramanpreet Singh, P.F.S.)

Divisional Forest Officer,
Forest Division S.A.S.Nagar,
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