

I/330041/2022

**Government of Punjab**  
**Department of Forests & Wildlife Preservation**  
**Principal chief Conservator of forest (HoFF), Punjab**  
**Forest Complex, Sector-68, S.A.S Nagar.**  
**(FCA Branch)**

Dated 11/03/2022

To,

Deputy. Director General of Forests (Central),  
Government of India,  
Ministry of Environment, Forests & Climate Change,  
Northern Regional Office, Bays No. 24-25,  
Sector 31-A, Chandigarh.

**Subject:- Diversion of 1.23 ha. of forest land for Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karonde wala up to Haryana Border link road (Proposed length 2.46 KM), Under forest Division & Distt. SAS Nagar, Punjab. (FP/PB/Road/42364/2019)**

Ref: Your office letter No. 9-PBB460/2021-CHA dated 05-11-2021.

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With reference to the subject cited above, DFO, S.A.S. Nagar has replied to the observations made by your office is as under:-

1. A copy of the revised Authority Letter is enclosed at **Annexure-I**.
2. Correction has been made regarding linear instead of non-linear in the online part-1 by the user agency.
3. A copy of the Land Suitability Certificate and Additional Compensatory Afforestation Scheme is enclosed at **Annexure-II**.

It is, requested that the **Stage-1 approval** of Govt. of India under Forest (Conservation) Act, 1980 to divert the forest area for non-forestry purpose may be conveyed.

Encl:-As above.

ADDL PRINCIPAL  
CHIEF CONSERVATOR OF FORESTS-CUM-NODAL OFFICER (FCA)

11/03/2022

CC:

1. Conservator of Forests, Shawlik Circle, SAS Nagar/DFO SAS Nagar.
2. Executive Engineer Central Works Division PWD Mohali, Punjab.

## Authority Letter

I, P.J. Arora, Chief Engineer (East), PWD (B&R), Punjab hereby authorize Sh. Jasbir Singh Jassi, Executive Engineer, Construction Division No. 1, PWD (B&R), SAS Nagar to file all the documents for the Forest Clearance for the work of "Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karondewala upto Haryana Border link road (Proposed Length 2.46 km), under forest Division & Distt. SAS Nagar"

No.....1822.....

Dated.....27/12/2021.....

  
Chief Engineer (Hort.)-cum-  
Nodal Officer (Buildings)  
Pb. PWD B&R, Chandigarh

  
Divisional Forest Officer  
S.A.S. Nagar

**Full Title of the Proposal**

Diversion of 1.23 ha. of forest land for Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karondewala up to Haryana Border link road (Proposed length 2.46 KM), under forest Division & Distt. SAS Nagar, Punjab.

**Acknowledgement Key at Division level**

Proposal No. FP/PB/ROAD/42364/2019/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) ..170..... Date 19-12-2019

**CHECK LIST SERIAL NUMBER: 17**

**LOCATION MAP**

Location Map of Non-Forest/Degraded Forest Area identified for Additional Compensatory Afforestation Tall plants in lieu of proposal for diversion of 1.23 ha. of forest land for Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karondewala up to Haryana Border link road (Proposed length 2.46 KM), under forest Division & Distt. SAS Nagar, Punjab.

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 afforestation = 0.592 Ha.

Map attached of the area to be taken for Compensatory Afforestation.

Place: S.A.S Nagar

Date. 23-02-2022

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

**Full Title of the Proposal**

Diversion of 1.23 ha. of forest land for Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karondewala up to Haryana Border link road (Proposed length 2.46 KM), under forest Division & Distt. SAS Nagar, Punjab.

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Proposal No. FP/PB/ROAD/42364/2019/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) ...170..... Date 19/12/19...

### CERTIFICATE REGARDING GPS COORDINATES

GPS coordinates of Additional Compensatory Afforestation Tall plants of 0.592 hac. in Bir Hansala, Tehsil Derabassi, Distt. S.A.S.Nagar for diversion of 1.23 ha. of forest land for Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karondewala up to Haryana Border link road (Proposed length 2.46 KM), under forest Division & Distt. SAS Nagar, Punjab. Details as under:-

S. No.	Name of proposed site of Penal compensatory Afforestation	GPS Coordinate of Proposed site		Remarks
		Longitude	Latitude	
1	Bir Hansala	76° 47' 11.533" E	30° 31' 30.856" N	-
		76° 47' 14.012" E	30° 31' 38.301" N	-
		76° 47' 07.290" E	30° 31' 39.155" N	
		76° 47' 01.836" E	30° 31' 31.757" N	

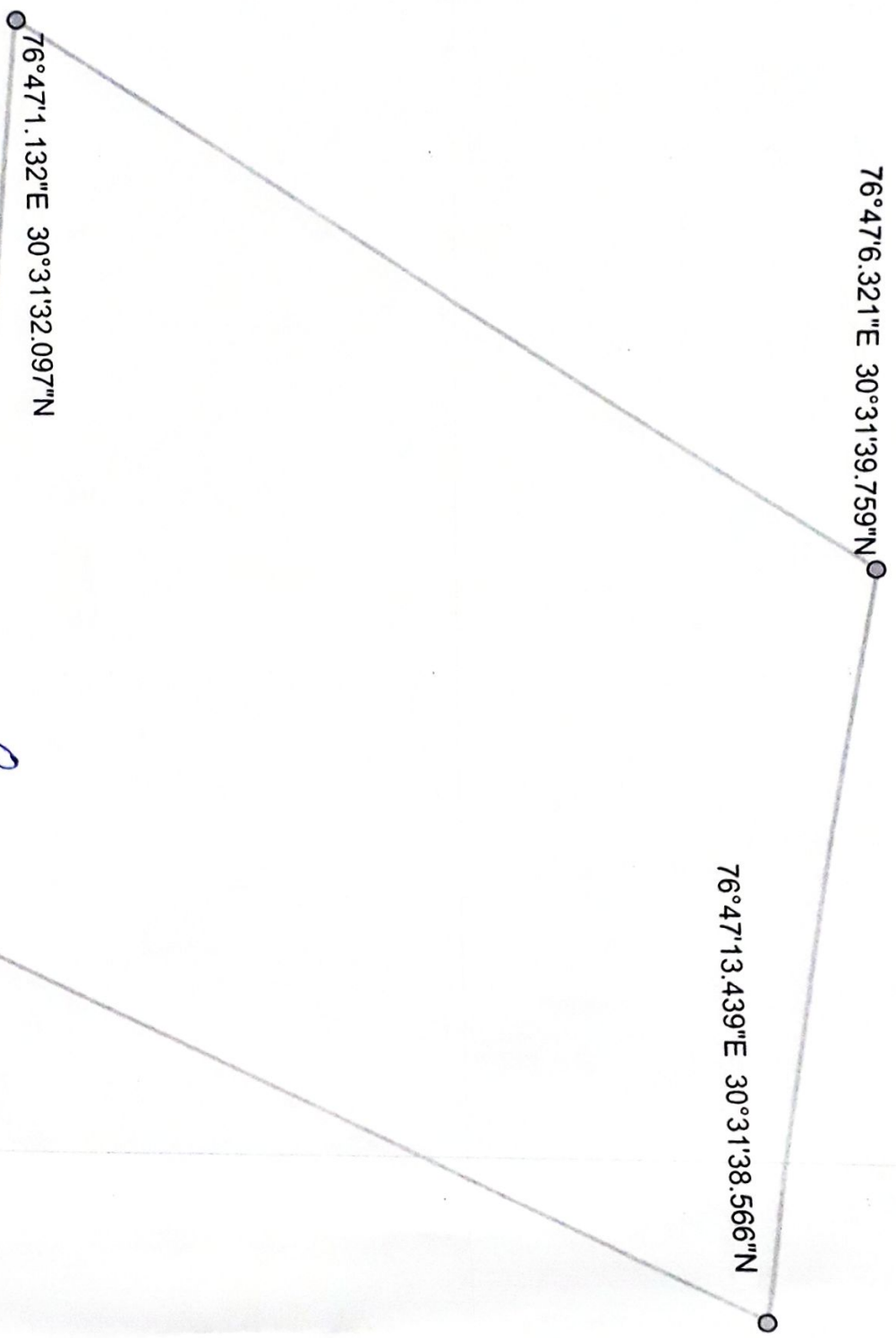
Place: S.A.S Nagar  
Date 23.12.2019

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

CA PLANTATION IN BIR HANSALA



**Legend**  
□ CA PLANTATION



*C*  
Divisional Forest Officer  
S.A.S. Nagar

76°47'0"E

76°47'12"E

76°47'12"E

76°47'12"E

30°31'36"

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**Acknowledgement Key at Division level**

Proposal No. FP/PB/ROAD/42364/2019/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) ...1.7.0.... Date .19.12.19.

**CHECK LIST SERIAL NUMBER: 18**

**"SCHEME FOR COMPENSATORY AFFORESTATION"**

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 Karondewala up to Haryana Border link road (Proposed length 2.46 KM), under forest Division & Distt. SAS 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 afforestation = **0.592 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.

  
Divisional Forest Officer  
S.A.S. Nagar

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**Acknowledgement Key at Division level**

Proposal No. FP/PB/ROAD/42364/2019/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) ...170... Date ...19/12/19

:2:

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

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

Total Cost per plant (in Rs)	296.000	755.00	223480.00
Cost of Tree Guards as per site is extra (in Rs per Tree Guard)	296.000	1800.00	532800.00
<b>Total</b>			<b>756280.00</b>

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: 22.12.2019

(Guramanpreet Singh, PFS)  
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 length 2.46 KM) Under Forest Division & Disst S.A.S. Nagar.

1) Diverted Forest Area = 1.23 Ha.

2) Additional Comp. Aff. Tall plants Schme area =0.592 Ha.

3) Name of Site of Plantation = Bir Hansala, Derabassi


Daily Wage Rate : 368/-

Plants : 1000 No.

4) No. of Tall plants Planted = 296 Plants

Estimate for planting of Tall plants

	Name of Work	Unit	Unit Cost (In Rs.)	Qty	Total Amt
	<b>Nursery</b>				
	Cost of Tall plants	1 No	67.33	550	37031.50
	<b>Soil Works</b>				
1	Site /Jungle Clearance (50%)	Ha.	6023.07	0.5	3011.54
2	Alignment & Dagbailing	Ha.	1101.24	1	1101.24
3	Earth Work-	1M <sup>3</sup>	113.77	90	10239.30
	Digging of Pits 500 x 0.6m x 0.6m x 0.5m Heavy Soil				
4	Kana Stubbing 25%	Ha.	30115.56	0.25	7528.89
	<b>Planting</b>				
1	Refilling of Pits	100 cum	3082.67	72	2219.52
2	Loading & Unloading of Plants (500+10% Wastage=550)	100 No	276.06	550	1518.33
3	Carriage of Plants (500+10% Wastage=550 avg. distance upto 10 km.) 500 Trolley	100 No	220.85	1	220.85
4	i) Carriage from site to site	100 No	147.23	550	809.77
	ii) Planting of Plants (500 No Including 10% replacement)	100 No	1104.24	550	6073.32
5	Spot Irrigation (500 Plants)	100 No	230.05	500	1150.25
6	Application of Insecticide (2 times)	100 No	46.01	1000	460.10
7	Application of Fertilizers (2 times)	100 No	46.01	1000	460.10
8	Weeding & Hoeing 3 times	100 No	401.21	1500	6018.15
9	Hand Water 6 months x 2 times =12 times	100 No	230.05	6000	13803.00
10	Replanting of Plants 10%	100 No	649.87	50	324.94
11	Rejungle Clearance (2 times)	Per Ha.	2668.58	1	2668.58
12	Covering (25% plants) of plants	100 No	331.27	125	414.09
13	Uncovering of plants	100 No	36.81	125	46.01
14	Restubbing of Kana (1 time)	Ha.	30115.56	0.25	7528.89
15	Laying out & fixing of Barbed Wire	L/s			4200.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	9570.08	1 Man 7 Month	6698.00
17	Material	L/s			5611.00
	i) Insecticides/Fertilizers	L/s			5611.00
	ii) POL				
				<b>Sub Total</b>	<b>124748.36</b>
	<b>Maintenance 1 Year</b>				
1	Cost of plants for 30% replacement	1 No.	67.33	150	10099.50
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 m3	66.91	21.6	1445.26
3	Refilling of pits with earth in other soils 150 x 0.60 x 0.60 x 0.40	1 m3	30.82	21.6	665.71
4	Loading & Unloading of Plants	1 No.	2.76	150	414.00
5	Carriage of Plants (150+10% Wastage=330 avg. distance upto 10 km.)	500 No	220.17	1	220.17
6	Spreading of plants pit to pit	100 No	147.232	165	242.93
7	Re-planting Tall Plants	100 No	369.29	165	609.33
8	Spot Irrigation	100 No.	230.05	165	379.58
9	Weeding & Hoeing (thrice)	100 No	401.2	1500	6018.00
10	App. Of Fertilizer (two times)	100 No	46.01	1000	460.10
11	App. Of Insecticide (two times)	100 No	46.01	1000	460.10
12	Hand watering 6 months x 2 times =12 times	100 No	401.2	6000	24072.00
13	Rejungle Clearance (2 times)	Ha.	2668.58	1	2668.58
14	Restubbing of Kana	Ha.	30115.23	0.25	7528.81
15	Watch & Ward for every 10 Ha. (10 months)	Man year	9570.08	1/10 Man yr.	8528.00
16	POL	L/s			5610.52
17	Material and supply	L/s			5610.52
				<b>Sub Total</b>	<b>75033.11</b>

  
 Divisional Forest Officer  
 S.A.S. Nagar



Maintenance II Year					
1	Cost of plants for 15% replacement	No	67.33	75	5049.75
2	Reopening of Pits 75 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	66.91	10.8	722.63
3	Refilling of pits with earth in other soils 75 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	30.82	10.8	332.86
4	Loading & Unloading of Plants	1 No.	2.76	75	207.00
5	Carriage of Plants - 75 avg. distance upto 10 km.)	500 No	220.174	1	220.17
6	Spreading of plants pit to pit	100 No	147.23	75	110.42
7	Re-planting to tall plants	100 No	257.07	75	192.80
8	Spot Irrigation	100 No	230.05	75	172.54
9	Weeding & Hoeing (twice)	100 No	401.2	1500	6018.00
10	Hand Watering 10 Times	100 No	230.05	5000	11502.50
11	Rejungle Clearance ( 2 times)	Ha	2668.58	1	2668.58
12	Stubbing of Kana	Ha	30115.23	0.1	3011.52
13	Pruning to plants	100 No.	434.97	100	434.97
14	Watch & Ward for every 10 Ha.	Man year	9570.08	1/10 Man yr.	9570.00
15	POL	L/s			5610.52
16	Material and supply	L/s			5610.52
				<b>Sub Total</b>	<b>51434.78</b>
Maintenance III Year					
1	Cost of plants for 10% replacement	1 No.	67.33	50	3366.50
2	Reopening of Pits 50 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	6691.65	7.2	481.80
3	Refilling of pits with earth in other soils 50 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	30.82	7.2	221.90
4	Loading & Unloading of Plants	1 No.	2.76	50	138.00
5	Carriage of Plants 50 avg. distance upto 10 km.)	500 No	220.17	1	220.17
6	Spreading of plants pit to pit	100 No	147.23	50	73.62
7	Re-planting to plants	100 No	257.07	50	128.54
8	Spot Irrigation	100 No	230.05	50	115.03
9	Weeding & Hoeing (thrice)	100 No	401.2	1500	6018.00
10	Hand Watering (8 times)	100 No	230.05	4000	9202.00
11	Rejungle Clearance ( 2 times)	Ha	2668.58	1	2668.58
12	Stubbing of Kana	Ha	30115.23	0.1	3011.52
13	Pruning to plants 20%	100 No.	434.97	100	434.97
14	Watch & Ward for every 10 Ha.	Man year	9570.08	1/10 Man yr.	9570.08
15	POL	L/s			5610.52
16	Material and supply	L/s			5610.52
				<b>Sub Total</b>	<b>46871.74</b>
Maintenance IV Year					
1	Cost of plants for 5% replacement	1 No.	67.32	25	1683.00
2	Reopening of Pits 25 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	66.91	3.6	240.88
3	Refilling of pits with earth in other soils 25 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	30.82	3.6	110.95
4	Loading & Unloading of Plants	1 No.	2.76	25	69.00
5	Carriage of Plants - 25 avg. distance upto 10 km.)	500 No	220.15	1	220.15
6	Spreading of plants pit to pit	100 No	147.22	25	36.81
7	Re-planting to plants	100 No.	257.05	25	64.26
8	Spot Irrigation	100 No.	230.03	25	57.51
9	Weeding & Hoeing (twice)	100 No	401.174	1500	6017.61
10	Rejungle Clearance ( 2 times)	Ha.	2668.36	1	2668.36
11	Pruning to plants 30%	100 No.	434.93	300	1304.79
12	Watch & Ward for every 10 Ha.	Man year	9569.3	1/10 Man yr.	9569.30
15	POL	L/s			5610.52
16	Material and supply	L/s			5610.52
				<b>Sub Total</b>	<b>33263.65</b>
				<b>TOTAL</b>	<b>331351.64</b>
<b>Over Head expenses 5%</b>					<b>16567.58</b>
<b>Enhancement due to wage escalation @9%</b>					<b>29821.65</b>
				<b>G.Total</b>	<b>377740.87</b>
				<b>Or Say</b>	<b>377741</b>

Divisional Forest Officer  
S.A.S. Nagar

Note: The watch and ward in subsequent years will carry out the necessary operations of Pruning				
Total Cost per plant (in Rs)	755			
Cost of Tree Guards as per site is extra (in Rs per Tree Guard)	1800	296		532800.00
Total Cost per plant (in Rs)	755			755.00
Total No. of effected under Garh Pole & Plants 148*2 =296 plants				296
Comp. Aff. Tall plants Schme	296*755			223480.00
<b>Grand Total</b>				<b>756280.00</b>
Net Present value of diverted land		1.23 x 1228590		1511166.00
<b>G.Total</b>				<b>2267446.00</b>

Place: S.A.S Nagar

Date: 23.02.2022

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

Full Title of the  
Proposal

Diversion of 1.23 ha. of forest land for Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karondewala up to Haryana Border link road (Proposed length 2.46 KM), under forest Division & Distt. SAS Nagar, Punjab.

Acknowledgement  
Key at Division  
level

Proposal No. FP/PB/ROAD/42364/2019/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) ...170... Date 19/12/2019

**CHECK LIST SERIAL NUMBER- 20**

**"LAND SUITABILITY CERTIFICATE BY DFO CONCERNED"**

This is to certify that 0.592 Ha. forest land bearing Survey No. /Compartment No. Bir Hansala, Tehsil Derabssi & Distt. S.A.S.Nagar identified for Additional Compensatory Afforestation Tall plants is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

Place: S.A.S Nagar  
Date 23.02.2022...

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

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Proposal No. FP/PB/ROAD/42364/2019/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) ... Date 19.12.2019

**PROFORMA**

Monitoring of the action on stipulated condition in case of proposal approved by Government of India under Section-2 of Forest (Conservation) Act, 1980

**PART - 1 (GENERAL PARTICULARS)**

01.	Name of the proposal	:	Diversion of 1.23 ha. of forest land for Construction of Chandigarh Barrier, Jainti Majri, Gura, Kasouli Karondewala up to Haryana Border link road (Proposed length 2.46 KM), under forest Division & Distt. SAS Nagar, Punjab
02.	No. & Dt. Of Government of India's letter according permission	:	-
03.	Area permitted to be diverted (in Ha.)	:	1.23 ha.
04.	District & Forest Divn.	:	S.A.S Nagar
05.	Area actually diverted (in ha.)	:	1.23 ha.
06.	No. of trees enumerated	:	-
07.	No. of trees felled	:	13 Trees 63 under Girth Poles and 85 Plants
08.	Forest division monitored	:	SAS Nagar
09.	Date of monitoring	:	

**PART - II (DETAILS OF COMPENSATORY AFFORESTATION)**

01.	Additional Compensatory Afforestation Tall plants stipulated (in ha)	:	0.592 ha.
	Forest Land	:	-
	Non-forest land	:	-
	No. of Plants to be raised (10 times)	:	-
02.	Location of Area	:	Bir Hansala
	Extent	:	-
	District	:	S.A.S.Nagar
	Division	:	S.A.S.Nagar
	Khasra No. / Survey No.	:	
03.	If no non-forest land, the land has been declared as PF/RF (endorse copy of the notification)	:	N. A.
04.	If no, the steps taken to declare it PF	:	N. A.
05.	Amount asked for raising Penal comp. afforestation	:	Rs. 756280.00/-
06.	Whether the afforestation cost was paid by user agency?	:	User agency has given undertaking.
07.	If yes, the amount paid – Rs.	:	-
	Amount	:	-

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S.A.S. Nagar

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08.	Whether the amount paid was deposited in separate fund and was utilized in addition to the normal funds for forestry operation (given details)	:	-
09.	Details of Plantation raised	:	-
(a)	Species Planted	:	-
	Area in ha.	:	-
	Year	:	-
	Expenditure	:	-
(b)	If compensatory plantation no made, reason for the lapse	:	N. A.
(c)	Condition of plantation	:	N. A.
(d)	Remarks	:	N. A.
	It should be mentioned that the plantation are identifiable as specifically related to the project		

PART - III (PLANTING OF DWARF TREES IN CASES OF TRANSMISSION LINE)

01.	No. of trees planted	:	N. A.
02.	Year of plantation	:	
03.	Expenditure (if Rs.)	:	
04.	Present condition of plantation	:	

PART - IV (RECLAMATION OF THE AREA WORKED UNDER MINING/QUARRYING)

01.	Mining / Quarrying work completed	:	N. A.
02.	Reclamation work done	:	
03.	Present condition of the area worked/ reclaimed	:	N. A.

Place: S.A.S Nagar

Date 23.12.2019

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