

**Full Title of the
Proposal**

Diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab.

**Acknowledgement
Key at Division
level**

Proposal No. FP/PB/Approach/127487/2021/S.A.S.Nagar Forest Division/Pvt.
(Division FCA register) ...7.7... Date 2.2.4/2021

CHECK LIST SERIAL NUMBER: 17

LOCATION MAP

Location Map of Non-Forest/Degraded Forest Area identified for Penal Compensatory Afforestation in lieu of proposal for diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. 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 Compensatory Afforestation = 0.026 Ha.

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

Place: S.A.S Nagar

Date: 5/8/2021.....

(Amit Chauhan, IFS)
Divisional Forest Officer,
Forest Division, S.A.S. Nagar,
S.A.S Nagar.

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Certificate regarding GPS Coordinates

GPS coordinates of Penal Compensatory Afforestation of 0.026 Ha. in Bir Hansala, Tehsil Derabassi, Distt. S.A.S.Nagar for diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. 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..25/4/2021.....


(Amit Chauhan, IFS)
Divisional Forest Officer,
Forest Division, S.A.S.Nagar,
S.A.S Nagar.

76°47'0"E

76°47'12"E

CA PLANTATION IN BIR HANSALA



76°47'6.321"E 30°31'39.759"N

76°47'13.439"E 30°31'38.566"N

76°47'1.132"E 30°31'32.097"N

76°47'9.88"E 30°31'31.203"N

Legend

CA PLANTATION

Amules
Divisional Forest Officer
S.A.S. Nagar

76°47'0"E

76°47'12"E

30°31'36"N

30°31'30"N

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Proposal No. FP/PB/Approach/127487/2021/S.A.S.Nagar Forest Division/Pvt. (Division FCA register) 1.77..... Date 28/4/2021

CHECK LIST SERIAL NUMBER: 18

"SCHEME FOR PENAL COMPENSATORY AFFORESTATION"

Detail scheme for Penal Compensatory Afforestation to be carried out in lieu of 0.014 hectare of Forest area to be diverted for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab.

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 = 0.026 Ha.

2. Description of the Area

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


Divisional Forest Officer
S.A.S. Nagar

Full Title of the Proposal Diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab.

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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.	0.026 ha.	4848.00
1 st Year Mtc.	0.026 ha.	1900.00
2 nd Year Mtc.	0.026 ha.	1193.00
3 rd Year Mtc.	0.026 ha.	1110.00
4 th Year Mtc.	0.026 ha.	1029.00
5 th Year Mtc.	0.026 ha.	155.00
6 th Year Mtc.	0.026 ha.	155.00
7 th Year Mtc.	0.026 ha.	155.00
8 th Year Mtc.	0.026 ha.	155.00
9 th Year Mtc.	0.026 ha.	155.00
10 th Year Mtc.	0.026 ha.	155.00
Over head expenses (5% of plantation cost) & (10% of plantation cost) Wage Enhancement.	0.026 ha.	1651.00
Total		12661.00

5. **Technical Details:-**

Technical details of Penal 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: 5/8/2021.....

Amit Chauhan
(Amit Chauhan, IFS)
Divisional Forest Officer,
Forest Division S.A.S.Nagar,
S.A.S Nagar.

Full Title of the Proposal Diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab.

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CHECK LIST SERIAL NUMBER- 20

"LAND SUITABILITY CERTIFICATE BY DFO CONCERNED"

This is to certify that **0.026 Ha.** forest land bearing Survey No./ Compartment No. **Bir Hansala, Tehsil Derabassi, Distt. S.A.S.Nagar** identified for **Penal Compensatory Afforestation** 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... 5/8/2021


(Amit Chauhan, IFS)
Divisional Forest Officer,
Forest Division S.A.S.Nagar,
S.A.S Nagar.

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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 - I (GENERAL PARTICULARS)

01.	Name of the proposal	:	Diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab
02.	No. & Dt. Of Government of India's letter according permission	:	-
03.	Area permitted to be diverted (in Ha.)	:	0.014 Ha.
04.	District & Forest Divn.	:	S.A.S Nagar
05.	Area actually diverted (in ha.)	:	0.014 Ha.
06.	No. of trees enumerated	:	-
07.	No. of trees felled	:	No trees are required to be cut in this proposal.
08.	Forest division monitored	:	S.A.S Nagar
09.	Date of monitoring	:	

PART - II (DETAILS OF PENAL COMPENSATORY AFFORESTATION)

01.	Penal Compensatory Afforestation stipulated (in ha)	:	-
	Forest Land	:	0.026 Ha.
	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 comp. afforestation	:	12661.00
06.	Whether the afforestation cost was paid by user agency?	:	User agency has given undertaking.
07.	If yes, the amount paid - Rs.	:	-
	Amount	:	-

Amaldeep
Divisional Forest Officer
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.)	:	Paid by
04.	Present condition of plantation	:	% of survival
		:	Av. Height
		:	Av. Girth

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	:	

Place: S.A.S Nagar

Date: 5/8/2021.....

Amit Chauhan
(Amit Chauhan, IFS)
Divisional Forest Officer,
Forest Division S.A.S.Nagar,
S.A.S Nagar.

Penal Compensatory Afforestation Scheme for diversion of 0.014 hac. of forest land for construction of approach road to M/s STJ Infra for commercial Purpose/Colony at village Nabha, Tehsil Zirakpur on Zirakpur-Patiala road NH 7 Km 341.565 LHS (old NH 64 KM 2.435 RHS), under Forest Division & Distt. S.A.S. Nagar, Punjab.

1) Diverted Forest Area = 0.014 ha.

2) Penal Comp. Aff. Scheme area = 0.026 Ha.

3) Name of Site of Plantation = Bir Hansala

4) No. of plants Planted = 26 Plants

Daily Wage Rate : 328/-

Plants : 1000 No.

Plantation Model For Standard Plantation under Compensatory Afforestation

Sr. No.	Name of Work	Unit	Qty.	Unit Cost (in Rs.)	Amount
	Nursery				
	Nursery cost of raising plants	1100	1100	20.00	22000.00
A	Soil Work				
1	Site / Jungle Clearance (25%)	Ha.	0.5	5367.22	2683.61
2	Alignment & Dagbaling	Ha.	1	984.00	984.00
3	Earth works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m	1 M3	100	101.38	10138.00
5	Kana Stubbing 25%	Ha.	0.25	26836.00	6709.00
B	Plantation Work				
1	Refilling of Pits 1000x0.5mx0.5mx0.3	100 cum	75	2747.00	2060.25
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No.	1100	550.00	6050.00
3	Carriage of Plants (1000+10% wastage =1100 avg. distance upto 10 km.)	100 No.	1100	196.80	2164.80
4	i) Carriage from site to site	100 No.	1000	131.20	1312.00
	ii) Planting of Plants (1000 No. including 10% replacement)	100 No.	1000	984.00	9840.00
5	Spot Irrigation (1000 Plants)	100 No.	1000	205.00	2050.00
6	Application of Insecticide (2 Times)	100 No.	1000	41.00	410.00
7	Application of Fertilizers (2 Times)	100 No.	1000	41.00	410.00
8	Weeding & Hoeing 3 Times	100 No.	3000	357.52	10725.60
9	Hand Watering (12 Times)	100 No.	12000	205.00	24600.00
10	Replanting of Plants 10%	100 No.	100	579.11	579.11
11	Rejungle Clearance (2 Times)	Per Ha.	1	2378.00	2378.00
12	Covering (25% plants) of plants	100 No.	250	295.20	738.00
13	Uncovering of plants	100 No.	250	32.80	82.00
14	Restubbing of Kana (1 Time)		0.25	26836.30	6709.08
15	Laying out & fixing of Barbed Wire	L/s			7872.00
16	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1 Man 7 Month	8528.00	5969.60
17	Material				
	i) Insecticides / Fertilizers	L/s			5000.00
	ii) POL	L/s			5000.00
	iii) Barbed Wire	L/s			50000.00
	Sub Total				186465.05

Amul Singh
Divisional Forest Officer
S.A.S. Nagar

	Maintenance 1 Year				
1	Cost of raising plants for 30% replacement	1 No.	300	20.00	6000.00
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	21.6	59.63	1341.68
3	Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30	1 m3	21.6	27.47	618.08
4	Loading & Unloading of Plants	1 No.	300	2.46	738.00
5	Carriage of Plants (300+10% Wastage = 330 avg. distance upto 10 Km.)	100 No.	1	196.20	196.20
6	Spreading of plants pit to pit	100 No.	165	131.20	216.48
7	Re-Planting to plants	100 No.	165	329.08	542.98
8	Spot Irrigation	100 No.	165	205.00	338.25
9	Weeding & Hoeing (Three)	100 No.	3000	357.52	10725.60
10	Application of Insecticide (2 Times)	100 No.	1000	41.00	410.00
11	Application of Fertilizers (2 Times)	100 No.	1000	41.00	410.00
12	Hand Watering (6 Times)	100 No.	6000	357.52	21451.20
13	Rejungle Clearance (2 Times)	Per Ha.	1	2378.00	2378.00
14	Restubbing of Kana	Per Ha.	0.25	26836.00	6709.00
15	Watch & Ward for every 10 Ha. (10 Months)	Man Year	1/10 Man Yr.	8528.00	5969.60
16	Repair of Barbed Wire	L/s			5000.00
17	POL & Machinery	L/s			5000.00
18	Material and Supply	L/s			5000.00
	Sub Total				73045.06
	2nd Year Maintenance				
1	Cost of raising plants for 15% replacement	1 No.	150	20.00	3000.00
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 m3	21.6	59.63	644.00
3	Refilling of pits with earth in other soils 150x 0.60 x 0.60 x 0.40	1 m3	21.6	27.47	296.68
4	Loading & Unloading of Plants	1 No.	75	2.46	184.50
5	Carriage of Plants Wastage = 75 avg. distance upto 10 Km.)	500 No.	1	196.20	196.20
6	Spreading of plants pit to pit	100 No.	75	131.20	98.40
7	Re-Planting to plants	100 No.	75	229.09	171.82
8	Spot Irrigation	100 No.	75	205.00	153.75
9	Weeding & Hoeing (Twice)	100 No.	2000	357.52	7150.40
10	Hand Watering (5 Times)	100 No.	5000	205.00	10250.00
11	Rejungle Clearance (2 Times)	Per Ha.	1	2378.00	2378.00
12	Pruning to Plants	100 No.	100	387.61	387.61
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	8528.00	5969.60
14	Repair of Barbed Wire	L/s			5000.00
15	POL & Machinery	L/s			5000.00
16	Material and Supply	L/s			5000.00
	Sub Total				45880.96

Amiller

Divisional Forest Officer
S.A.S. Nagar

3rd Year Maintenance					
1	Cost of raising plants for 10% replacement				
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.40	1 No.	100	20.00	2000.00
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m ³	10	5963.00	429.34
4	Loading & Unloading of Plants	1 m ³	7.5	27.47	197.78
5	Carriage of Plants 50 avg. distance upto 10 Km.)	1 No.	100	2.46	246.00
6	Spreading of plants pit to pit	100 No.	100	1.00	100.00
7	Re-Planting to plants	100 No.	100	131.20	131.20
8	Spot Irrigation	100 No.	100	229.09	229.09
9	Weeding & Hoeing (thrice)	100 No.	100	205.00	205.00
10	Hand Watering (8 Times)	100 No.	2000	357.52	7150.40
11	Pruning to Plants 20%	100 No.	5000	205.00	10250.00
12	Watch & Ward for every 10 Ha.	100 No.	200	387.61	775.22
13	Repair of Barbed Wire	Man Year	1/10 Man Yr.	8528.00	5969.60
14	POL & Machinery	L/s			5000.00
15	Material and Supply	L/s			5000.00
Sub Total					5000.00
4th Year Maintenance					
1	Cost of raising plants for 5% replacement				
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 No.	50	20.00	1000.00
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m ³	5	5963.00	429.34
4	Loading & Unloading of Plants	1 m ³	3.75	27.47	197.78
5	Carriage of Plants 50 avg. distance upto 10 Km.)	1 No.	50	2.46	123.00
6	Spreading of plants pit to pit	100 No.	50	1.00	50.00
7	Re-Planting to plants	100 No.	50	131.20	65.60
8	Spot Irrigation	100 No.	50	229.09	114.54
9	Weeding & Hoeing (thrice)	100 No.	50	205.00	102.50
10	Hand Watering (8 Times)	100 No.	2000	357.52	7150.40
11	Pruning to Plants 30%	100 No.	4000	205.00	8200.00
12	Watch & Ward for every 10 Ha.	100 No.	300	387.61	1162.83
13	Repair of Barbed Wire	Man Year	1/10 Man Yr.	8528.00	5969.60
14	POL & Machinery	L/s			5000.00
15	Material and Supply	L/s			5000.00
Sub Total					5000.00
5th Year Maintenance					
1	Watch & Ward for every 10 Ha. (10 Motnts)				
		Man Year	1/10 Man Yr.	8528.00	5969.60
Sub Total					5969.60
6th Year Maintenance					
1	Watch & Ward for every 10 Ha. (10 Motnts)				
		Man Year	1/10 Man Yr.	8528.00	5969.60
Sub Total					5969.60
7th Year Maintenance					
1	Watch & Ward for every 10 Ha. (10 Motnts)				
		Man Year	1/10 Man Yr.	8528.00	5969.60
Sub Total					5969.60

Amul

Divisional Forest Officer
S.A.S. Nagar

8th Year Maintenance					
1	Watch & Ward for every 10 Ha. (10 Motnts)				
		Man Year	1/10 Man Yr.	8528.00	5969.60
	Sub Total				5969.60
9th Year Maintenance					
1	Watch & Ward for every 10 Ha. (10 Motnts)				
		Man Year	1/10 Man Yr.	8528.00	5969.60
	Sub Total				5969.60
10th Year Maintenance					
1	Watch & Ward for every 10 Ha. (10 Motnts)				
		Man Year	1/10 Man Yr.	8528.00	5969.60
	Sub Total				5969.60
	Total				5969.60
	Over Head expenses 5%				423457.89
	Wage Enhancement @ 10%				21172.89
	Comp. Aff. Scheme for 1.00 Ha.				42345.79
	Or Say				486976.58
	Penal Comp. Aff. Scheme				486977
	Grand Total			0.026 x 486977	12661.00
					12661.00

Amit Chauhan

(Amit Chauhan, IFS)

Divisional Forest Officer,
SAS Nagar.