

**Full Title of the
Proposal**

Diversion of 3.84 Ha. of forest land for laying of OFC by BBNL Ltd. under NOFN Project for providing Broadband Connectivity to Panchayat in Block Derabassi, under Forest Division & Distt. SAS Nagar, Punjab.

**Acknowledgement
Key at Division
level**

Proposal No. FP/PB/OFC/39189/2019/S.A.S.Nagar Forest Division/Govt. (Division FCA register) 163 Date-04-2019.

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 **3.84 Ha. of forest land for laying of OFC by BBNL Ltd. under NOFN Project for providing Broadband Connectivity to Panchayat in Block Derabassi, under Forest Division & Distt. SAS Nagar, Punjab.**

Distt. = **S.A.S.Nagar** Village **Bir Chatt**, Tehsil- **Derabassi**,
Name of Forest Division = **S.A.S Nagar**, Range- **Derabassi**,
Block/Compartment/Survey No. **Bir Chatt**,
Area to be afforestation = **0.020 Ha.**

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

Place: **S.A.S Nagar**
Date.....

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

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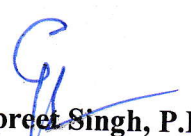
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Certificate regarding GPS Coordinates

GPS coordinates of **Penal Compensatory Afforestation** of 0.020 Ha. in Bir Chatt, Tehsil Derabassi, Distt. S.A.S.Nagar for diversion of 3.84 Ha. of forest land for laying of OFC by BBNL Ltd. under NOFN Project for providing Broadband Connectivity to Panchayat in Block Derabassi, 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 Chatt	76° 48' 50.532" E	30° 36' 90.393" N	-
		76° 47' 53.785" E	30° 36' 60.466" N	-
		76° 47' 57.384" E	30° 36' 00.607" N	

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


(Guramanpreet Singh, P.F.S)
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"SCHEME FOR PENAL COMPENSATORY AFFORESTATION"

Detail scheme for **Penal Compensatory Afforestation** to be carried out in lieu of **3.84** hectare of Forest area to be diverted for laying of OFC by BBNL Ltd. under NOFN Project for providing Broadband Connectivity to Panchayat in Block Derabassi, under Forest Division & Distt. SAS Nagar, Punjab.

Details of degraded forest land / non-forest land

Distt. = S.A.S.Nagar Village Bir Chatt, Tehsil- Derabassi,
Name of Forest Division = S.A.S Nagar, Range- Derabassi,
Block/Compartment/Survey No. Bir Chatt,
Area to be afforestation = **0.020 Ha.**

2. **Description of the Area**

- i. Whether the site selected for Penal Compensatory Afforestation is a land bank or not **Bir Chatt** 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

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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.	0.020 ha.	3730.00
1 nd Year Mtc.	0.020 ha.	1461.00
2 rd Year Mtc.	0.020 ha.	918.00
3 th Year Mtc.	0.020 ha.	854.00
4 th Year Mtc.	0.020 ha.	792.00
5 th Year Mtc.	0.020 ha.	119.00
6 th Year Mtc.	0.020 ha.	119.00
7 th Year Mtc.	0.020 ha.	119.00
8 th Year Mtc.	0.020 ha.	119.00
9 th Year Mtc.	0.020 ha.	119.00
10 th Year Mtc.	0.020 ha.	119.00
Over head expenses (5% of plantation cost) & (10% of plantation cost) Wage Enhancement.	0.020 ha.	1271.00
Total		9,740.00

3. **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.....

(Guramanpreet Singh, P.F.S)
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Penal Compensatory Afforestation Scheme for diversion of 3.84 Ha. of forest land for laying of OFC by BBNL Ltd. under NOFN Project for providing Broadband Connectivity to Panchayat in Block Derabassi, under Forest Division & Distt. SAS Nagar, Punjab

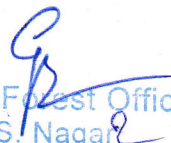
1) Diverted Forest Area = 3.84 ha.

2) Penal Comp. Aff. Schme area = 0.020 Ha.

2) Penal Comp. Aff. Schme area = 0.020 Ha.			Daily Wage Rate : 328/-		
3) Name of Site of Plantation = Bir chatt			Plants : 1000 No.		
4) No. of plants Planted = 20 Plants					
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

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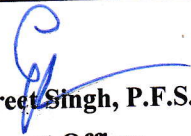
	Maintenance 1 Year				
1	Cost of raising plants for 30% replacement	1 No.	300	20.00	6000.00
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	21.6	59.63	1341.68
3	Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30	1 m3	21.6	27.47	618.08
4	Loading & Unloading of Plants	1 No.	300	2.46	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


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	3rd Year Maintenance				
1	Cost of raising plants for 10% replacement	1 No.	100	20.00	2000.00
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.40	1 m3	10	5963.00	429.34
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	7.5	27.47	197.78
4	Loading & Unloading of Plants	1 No.	100	2.46	246.00
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	100	1.00	100.00
6	Spreading of plants pit to pit	100 No.	100	131.20	131.20
7	Re-Planting to plants	100 No.	100	229.09	229.09
8	Spot Irrigation	100 No.	100	205.00	205.00
9	Weeding & Hoeing (thrice)	100 No.	2000	357.52	7150.40
10	Hand Watering (8 Times)	100 No.	5000	205.00	10250.00
11	Pruning to Plants 20%	100 No.	200	387.61	775.22
12	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	8528.00	5969.60
13	Repair of Barbed Wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and Supply	L/s			5000.00
	Sub Total				42683.63
	4th Year Maintenance				
1	Cost of raising plants for 5% replacement	1 No.	50	20.00	1000.00
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 m3	5	5963.00	429.34
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	3.75	27.47	197.78
4	Loading & Unloading of Plants	1 No.	50	2.46	123.00
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	50	1.00	50.00
6	Spreading of plants pit to pit	100 No.	50	131.20	65.60
7	Re-Planting to plants	100 No.	50	229.09	114.54
8	Spot Irrigation	100 No.	50	205.00	102.50
9	Weeding & Hoeing (thrice)	100 No.	2000	357.52	7150.40
10	Hand Watering (8 Times)	100 No.	4000	205.00	8200.00
11	Pruning to Plants 30%	100 No.	300	387.61	1162.83
12	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	8528.00	5969.60
13	Repair of Barbed Wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and Supply	L/s			5000.00
	Sub Total				39565.59
	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

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	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				423457.89
	Over Head expenses 5%				21172.89
	Wage Enhancement @ 10%				42345.79
	Comp. Aff. Scheme for 1.00 Ha.				486976.58
	Or Say				486977
	Penal Comp. Aff. Scheme		0.020 x 486977		9740.00
	Grand Total				9740.00


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