

Diversion of 0.0057 ha of forest land for approach road to M/s Batala College of education Belonging to Guru Nanak Educational welfare & charitable Society at Village Dhabanwal, Batala-Fatehgarh churrian Road, Tehsil Batala, District Gurdaspur.

File No. : _____

Date of Proposal : _____

Wage Rate = 368

Plantation Model For Standard Plantstion Under Compensatory Afforestation Plants
Per Hectare: 1000 Nos.

	Name of work	Unit	Qty	Unit Cost(in rs.)	Total Amt
	Nursery				
	Cost of raising plants	No.	1100	20.00	22000.00
A	Soil Works				
1	Site/jungle clearance(25%)	Ha	0.5	6021.75902	3010.88
2	Alignment & Dagbailing	Ha	1	1104.00	1104.00
3	Earth Work-Digging of Pits Digging of pits 1000x0.5mx0.5mx0.4m	1M ³	100	113.743415	11374.34
4	Kana Stubbing 25%	Ha	0.25	30113.18	7528.30
B	Plantation Work				
1	a) Refilling of pits1000x 0.5mx 0.5mx 0.3m	1M3	75	3082.00	2311.50
2	Loading & unloading of Plants (1000+10% wastage=1100)	1No.	1100	0.46	506.00
3	Carriage of Plants (1000+10% Wastage =1100avg.distance upto 10Km.)	100 No	1100	205.00	2255.00
4	a)Carriage from site to site	100 No	1000	23.00	230.00
5	b)Planting of plants(1000 no include 10% replacement)	100 No	1000	400.00	4000.00
6	Spot Irrigation(1000 Plants)	100 No	1000	331.00	3310.00
7	Application of Insecticide(2times)	100 No	1000	46.00	460.00
8	Application of Fertilizers(2times)	100 No	1000	46.00	460.00
9	Weeding & Hoeing 3 times	100 No	3000	400.59	12017.70
10	Hand Watering(12 time)	100 No	12000	331.00	39720.00
11	Replanting of Plants 10%	No.	100	4.01	401.00
12	Rejungle Clearance(2times)	Per Ha.	1	2668.36	2668.36
13	Covering (25% Plants) of plants	1 No	250	3.32	830.00
14	Uncovering of plants	100 No	250	34.20	85.50
15	restubbing of Kana(1times)	Ha	0.25	12282.00	3070.50
16	Laying out & FIXING OF Barbed Wire	Meter	500	49.14	24570.00
17	Watch & Ward for every 10 Ha.(7months)	Man year	1Man 7months	9569.30	6698.51
18	Material				
	a) insectiside/Fertilizers	L/s			5000.00
	b)POL	L/s			5000.00
	c)Barbed Wire&fencing	L/s			50000.00
				Sub Total	208611.59
	1st Year Maintenance				

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PFS
Divisional Forest Officer
Gurdaspur Forest Division
Gurdaspur

1	Cost of raising plants for 30% replacement	1No.	300	20	6000.00
2	Reopening of pits 300x0.50x0.50x0.40	1m ³	30	66.91	2007.30
3	Refilling of pits with earth 300x0.50x0.50x0.40	1m ³	30	30.82	924.60
4	Loading & unloading of Plants	1NO.	300	0.46	138.00
5	Carriage of Plants (300+10% Wastage =330avg.distance upto 10Km.)	100 No	330	205.00	676.50
6	Spreading of plants pits to pits	100 No	300	23.00	69.00
7	Replanting of Tall Plants	100 No	300	400.00	1200.00
8	Spot Irrigation	100 No	300	331.00	993.00
9	Weeding & Hoeing thrice	100 No	3000	400.59	12017.70
10	App of Fertilizers(2times)	100 No	2000	46.00	920.00
11	Application of Insecticide(2times)	100 No	2000	46.00	920.00
12	Hand Watering 6 times	100 No	6000	331.00	19860.00
13	Rejungle Clearance(2times)	Per Ha.	1	2668.00	2668.00
	restubbing of Kana	Per Ha.	0.25	30113.18	7528.30
15	Watch & Ward for every 10 Ha.(10months)	Man year	1/10Man yr.	9569.30	9569.30
16	Repairing of Barbed Wire	L/s			5000.00
17	Pruning of Plants 75%	No.	750	3.35	2512.50
17	POL & repair of machinery	L/s			5000.00
18	Material and supply	L/s			5000.00
				Sub Total	83004.20
	2nd Year Maintenance				
1	Cost of raising plants for 20% replacement	No.	200.00	20.00	4000.00
2	Reopening of pits 200x0.50x0.50x0.40	1m ³	20.00	66.91	1338.20
3	Refilling of pits with earth 200x0.50x0.50x0.40	1m ³	20.00	30.82	616.40
4	Loading & unloading of Plants	1NO.	300	0.46	138.00
5	Carriage of Plants 210 avg.distance upto 10Km.)	100 No	210.00	205.00	430.50
	Spreading of plants pits to pits	100 No	200.00	23.00	46.00
7	Replanting to Plants	100 No	200.00	401.00	802.00
8	Spot Irrigation	100 No	200.00	331.00	662.00
9	Weeding & Hoeing twice	100 No	2000.00	400.59	8011.80
10	Hand Water 5 times	100 No	5000.00	331.00	16550.00
11	Rejungle Clearance(2times)	Per Ha.	1.00	2668.00	2668.00
12	pruning to plants 85%	100 No.	400.00	335.00	1340.00
13	Watch & Ward for every 10 Ha.	Per Ha.	1/10 Man yr.	9569.30	9569.30
14	Repairing of Barbed Wire	L/s			5000.00
15	POL & repair of machinery	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	61172.20
	3rd Year Maintenance				


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1	Cost of raising plants for 15% replacement	No.	150.00	20.00	3000.00
2	Reopening of pits 150x0.60x0.06x0.40	1m ³	21.60	66.91	1445.26
3	Refilling of pits with earth in other soil 150x0.60x0.60x0.40	1m ³	21.60	30.82	665.71
4	Loading & unloading of Plants	1NO.	150.00	0.46	69.00
5	Carriage of Plants 170 avg.distance upto 10Km.)	100 No	170.00	205.00	348.50
6	Spreading of plants pits to pits	100 No	150.00	23.00	34.50
7	Replanting to Plants	100 No	150.00	401.00	601.50
8	Spot Irrigation	100 No	150.00	331.00	496.50
9	Weeding & Hoeing twice	100 No	2000.00	401.00	8020.00
10	Hand Watering 5times	100 No	5000.00	331.00	16550.00
11	Rejungle Clearance(2times)	Per Ha.	1.00	2668.00	2668.00
12	pruning to plants 50%	No.	500.00	3.35	1675.00
13	Watichin & Word for every 10 Ha.	Per Ha.	1/10 Man yr.	9569.30	9569.30
14	Repairing of Barbed Wire	L/s			5000.00
	POL &machinary	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	60143.27
	4th Year Maintenance				
1	Cost of raising plants for 5% replacement	No.	50.00	20.00	1000.00
2	Reopening of pits 50x0.50x0.50x0.40	1m ³	5.00	66.91	334.55
3	Refilling of pits with earth in other soil 50x0.50x0.50x0.30	1m ³	5.00	30.82	154.10
4	Loading & unloading of Plants	1NO.	50.00	0.46	23.00
5	Carriage of Plants 25avg.distance upto 10Km.)	100 No	50.00	205.00	102.50
6	Spreading of plants pits to pits	100 No	50.00	23.00	11.50
7	Replanting to Plants	100 No	50.00	401.00	200.50
8	Spot Irrigation	100 No	50.00	331.00	165.50
9	Weeding & Hoeing twice	100 No	2000.00	401.00	8020.00
10	Hand Watering 4times	100 No	4000.00	331.00	13240.00
11	pruning to plants 30%	100no	300.00	335.00	1005.00
12	Watch & Ward for every 10 Ha.	man year	1/10 Man yr.	9569.30	9569.30
13	Repairing of Barbed Wire	L/s			5000.00
14	POL &machinary	L/s			5000.00
15	Material and supply	L/s			5000.00
				Sub Total	48825.95
	5th Year Maintenance				
1	Watch & Ward for every 10 Ha.(10 Months)	Man year	1/10 Man yr.	9569.30	9569.30
				Sub Total	9569.30
	6th Year Maintenance				

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1	Watch & Ward for every 10 Ha.(10 Months)	Man year	1/10 Man yr.	9569.30	9569.30
				Sub Total	9569.30
	7th Year Maintenance				
1	Watch & Ward for every 10 Ha.(10 Months)	Man year	1/10 Man yr.	9569.30	9569.30
				Sub Total	9569.30
	8th Year Maintenance				
1	Watch & Ward for every 10 Ha.(10 Months)	Man year	1/10 Man yr.	9569.30	9569.30
				Sub Total	9569.30
	9th Year Maintenance				
1	Watch & Ward for every 10 Ha.(10 Months)	Man year	1/10 Man yr.	9569.30	9569.30
				Sub Total	9569.30
	10th Year Maintenance				
1	Watch & Ward for every 10 Ha.(10 Months)	Man year	1/10 Man yr.	9569.30	9569.30
				Sub Total	9569.30
	Total				519173.00
	Over head expenses 5%				25958.65
	Enhancement due to wage escalation@20%				103834.60
	G.Toatal				648966.25
	or say				648966.25
a)	Cost of Plantation				
	Cost of Plantation in 1 Hect. Area (1000 Plants)+				648966.00
	Cost of plantation for 0.100 ha.				64896.60
	Supervision charges 10%				6489.66
			Total		71386.26
	Penal CA				
b)	Cost of Plantation (Penal CA)				
	Cost of Plantation in 1 Hect. Area (1000 Plants)+				648966.00
	Cost of plantation for 0.0020 x 10= 0.02 ha				12979.32
	Supervision charges 10%				1297.93
			Total		14277.25
	Entry point activity 10%				8566.00
c)	Net present value of 0.0057 ha as fixed by Govt. for open area diverted @ Rs. 6.26lac per ha.			Rs.	3568.20
	(Penal NPV)Area of violation 0.0020=0.0020*626000= 1252				
	Time of violation 5 years				6260.00
	Interest 12% of 6260				751.00
		Total Say			
		Or Say			104808/-


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Page _____

CHECK LIST SERIAL NUMBER: 17

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 0.0057 ha of forest area to be diverted for **M/s Batala College of education Belonging to Guru Nanak Educational welfare \$ charitable Society at Village Dhabanwal, Batala-Fatehgarh churrian Road, Tehsil Batala, District Gurdaspur.**

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

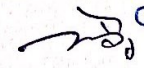
District : **Gurdaspur** Village : **Bajjuman Drain RD Canal Bridge- Kotla pul**
Tehsil : **Batala** Name of Division **Gurdaspur** Range: **Alliwal**
Block/Compartment/Survey No
Area to be afforested **0.100 Ha+0.02ha Penal CA=0.12ha**

2. Description of the Area

- I) Whether the site selected for Compensatory Afforestation is a land bank or not : **Yes**
- II) If the CA site is other than the land bank, reasons be given : **No**
- III) In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: _____
- IV) Soil type : **Medium Soil**
- V) Topography :
- (a) Hilly/Undulating/Plain
- (b) Slope: Steep/Medium/Gentle
- VI) Whether the area is bearing any root stock of vegetation: **No**

3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component - wise physical and financial break up to be enclosed.


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Page _____

4. Schedule of Plantation Programme:-

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

Year	Area	Rate/ha.	Total Amount
0 Year Mtc.	0.12	208611.59	25033.39
1 st Year Mtc.	0.12	83004.20	9960.50
2 nd Year Mtc.	0.12	61172.20	7340.66
3 rd Year Mtc.	0.12	60143.27	7217.19
4 th Year Mtc.	0.12	48825.95	5859.11
5 th Year Mtc.	0.12	9569.30	1148.32
6 th Year Mtc.	0.12	9569.30	1148.32
7 th Year Mtc.	0.12	9569.30	1148.32
8 th Year Mtc.	0.12	9569.30	1148.32
9 th Year Mtc.	0.12	9569.30	1148.32
10 th Year Mtc.	0.12	9569.30	1148.32
Total		519173.01	62300.76
Overhead 5%		25958.65	3115.04
Enhancement due to wages escalation @20%		103834.60	12460.15
Total		648966.26	77875.95
Supervision Charges 10%			7787.60
G.Total			85663.55
Entry Point Activity 10%			8566.35


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Page _____

5.

Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details : Compensatory Afforestation in Bajjuman Drain RD Canal Bridge- Kotla pul (120 Plants) in Alliwal Range.
- b) Spacing : 3 x 3 M
- c) Species : Shisham, Amla, Kikar, Jaman sirs, Mango etc.
- d) Plantation Method : Degraded
- e) Soil and Moisture Conservation Works : Trench & Pits
- f) Protection (Fencing, Watch man, People's Participation etc.): To be done by Forest Department.
- g) Proposed Monitoring Mechanism : It will be done by concerned Range Officer, Divisional Forest Officer and higher authority from time to time.
- h) Any other information:- N.A.


(Jarnail Singh)
Divisional Forest Officer,
Gurdaspur Forest Division,
Gurdaspur
