

Title of the Project:

Diversion of 0.2090 ha. (instead of 0.210591 ha.) of forest land for Construction of approach access to the Proposed Commercial Project belonging to "M/S SKB Punjab at Village Gureh, on NH-05, on Ludhiana-Moga Road at KM RD 105.692 (RHS), Tehsil Jagraon, Distt. Ludhiana (Punjab) under Forest Division Ludhiana.

Proposal No:	Diversion (Ha.) :	0.2090
FP/PB/Approach/148031/2021	Previous Wage Rate :	368.85
	Current Wage Rate :	411.00

Plantation Model For Standard Plantation under Compensatory Afforestation, Plants Per Hectare : 1000 Nos.

Sr. No.	Name of Work	Unit	Qty.	Unit Cost (Rs.)	Amount (Rs.)
	Nursery				
	Nursery cost of raising plants	1100	1100	25.06	27566.03
A	Soil Work				
1	Site / Jungle Clearance (25%)	Ha.	0.5	6725.38	3362.69
2	Alignment & Dagbaling	Ha.	1	1233.00	1233.00
3	Earth Works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m	1 M3	100	127.03	12702.72
4	Preparation of Boundary Watt (1 w x 0.50 m x 500 m)	1 M3	250	127.03	31756.81
5	Kana Stubbing 25%	Ha.	0.25	33550.79	8387.70
B	Plantation Work				
1	Refilling of Pits 1000x0.5mx0.5mx0.3)	100 cum	75	3442.12	2581.59
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No.	1100	689.17	7580.84
3	Carriage of Plants (1000+10% wastage =1100 avg. dist. upto 10 km.)	100 No.	1100	246.60	2712.60
4	i) Carriage from site to site	100 No.	1000	164.40	1644.00
	ii) Planting of Plants (1000 No. including 10% replacement)	100 No.	1000	1233.00	12330.00
5	Spot Irrigation (1000 Plants)	100 No.	1000	256.87	2568.74
6	Application of Insecticide (2 Times)	100 No.	2000	51.37	1027.36
7	Application of Fertilizers (2 Times)	100 No.	2000	51.37	1027.36
8	Weeding & Hoeing 3 Times	100 No.	3000	447.98	13439.48
9	Hand Watering (12 Times)	100 No.	12000	256.87	30824.83
10	Replanting of Plants 10%	100 No.	100	725.65	725.65
11	Rejungle Clearance (2 Times)	100 No.	1	2979.75	29.80
12	Covering (25% plants) of plants	100 No.	250	369.89	924.74
13	Uncovering of plants	100 No.	250	41.09	102.74
15	Laying out & fixing of Barbed Wire	L/s			9864.00
16	Watch & Ward for every 10 Ha. (7 Months)	Man	1 Man 7	10686.00	7480.20
17	Material				
	i) Insecticides / Fertilizers	L/s			8914.19
	ii) POL	L/s			11142.74
	iii) Cost of Barbed Wire	L/s			22842.62
	iv) Cost of Fence Post	L/S			55713.70
	Sub Total				278486.13
	Maintenance 1 Year				
1	Cost of raising plants for 30% replacement	1 No.	300	25.06	7518.01
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 M3	22.5	74.71	1681.02
3	Refilling of pits with earth in other soils 300x0.50x0.50x0.30	1 M3	22.5	34.42	774.45
4	Loading & Unloading of Plants	1 No.	330	3.08	1014.88
5	Carriage of Plants (300+10% Wastage=330 avg. dist. upto 10 Km.)	100 No.	330	245.84	811.28
6	Spreading of plants pit to pit	100 No.	330	164.40	542.52
7	Re-Planting to plants	100 No.	330	412.35	1360.75
8	Spot Irrigation	100 No.	330	256.87	847.68
9	Weeding & Hoeing (Three)	100 No.	3000	447.98	13439.48
10	Application of Insecticide (2 Times)	100 No.	2000	51.37	1027.36
11	Application of Fertilizers (2 Times)	100 No.	2000	51.37	1027.36
12	Hand Watering (6 Times)	100 No.	6000	447.98	26878.97
13	Rejungle Clearance (2 Times)	Per.Ha.	1	2979.75	2979.75
14	Restubbing of Kana	Per.Ha.	0.25	15307.54	3826.89

15	Watch & Ward for every 10 Ha. (10 Months)	Man Year	1/10 Man Yr.	10686.00	10686.00
16	Repair of Barbed Wire	L/s			2465.89
17	POL & Machinery	L/s			5571.37
18	Material and Supply	L/s			4457.10
	Sub Total				86910.75
	2nd Year Maintenance				
1	Cost of raising plants for 15% replacement	1 No.	150	25.06	3759.00
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.30	1 M3	16.2	74.71	1210.34
3	Refilling of pits with earth in other soils 150x0.60x0.60x0.30	1 M3	16.2	34.42	557.60
4	Loading & Unloading of Plants	1 No.	165	3.08	507.44
5	Carriage of Plants Wastage = 75 avg. distance upto 10 Km.)	100 No.	165	245.85	405.66
6	Spreading of plants pit to pit	100 No.	150	164.40	246.60
7	Re-Planting to plants	100 No.	150	287.06	430.59
8	Spot Irrigation	100 No.	150	256.87	385.31
9	Weeding & Hoeing (Twice)	100 No.	2000	447.98	8959.66
10	Hand Watering (6 Times)	100 No.	6000	256.87	15412.42
11	Rejungle Clearance (2 Times)	100 No.	1	2979.75	29.80
12	Pruning to Plants 10%	100 No.	100	485.69	485.69
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	10686.00	10686.00
14	Repair of Barbed Wire	L/s			2465.89
15	POL & Machinery	L/s			5571.37
18	Material and Supply	L/s			3342.82
	Sub Total				54456.18
	3rd Year Maintenance				
1	Cost of raising plants for 10% replacement	1 No.	100	25.06	2506.00
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.30	1 M3	7.5	74.71	560.34
3	Refilling of pits with earth in other soils 100x0.50x0.50x0.30	1 M3	7.5	34.42	258.15
4	Loading & Unloading of Plants	1 No.	100	3.08	307.54
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	100	245.85	245.85
6	Spreading of plants pit to pit	100 No.	100	164.40	164.40
7	Re-Planting to plants	100 No.	100	287.06	287.06
8	Spot Irrigation	100 No.	100	256.87	256.87
9	Weeding & Hoeing (twice)	100 No.	2000	447.98	8959.66
10	Hand Watering (5 Times)	100 No.	5000	256.87	12843.68
11	Rejungle Clearance (2 Times)	Per.Ha.	1	2979.75	2979.75
12	Pruning to Plants 20%	100 No.	200	485.69	971.38
13	Watch & Ward for every 10 Ha.	Man	1/10 Man Yr.	10686.00	10686.00
14	Repair of Barbed Wire	L/s			2465.89
15	POL & Machinery	L/s			5571.37
18	Material and Supply	L/s			3342.82
	Sub Total				52406.76
	4th Year Maintenance				
1	Cost of raising plants for 5% replacement	1 No.	50	25.06	1253.00
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.30	1 M3	7.5	74.71	560.34
3	Refilling of pits with earth in other soils 100x0.50x0.50x0.30	1 M3	7.5	34.42	258.15
4	Loading & Unloading of Plants	1 No.	50	3.08	153.77
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	50	1.25	62.40
6	Spreading of plants pit to pit	100 No.	50	164.40	82.20
7	Re-Planting to plants	100 No.	50	287.06	143.53
8	Spot Irrigation	100 No.	50	256.87	128.44
9	Weeding & Hoeing (twice)	100 No.	2000	447.98	8959.66
10	Hand Watering (5 Times)	100 No.	5000	256.87	12843.68
11	Rejungle Clearance (2 Times)	Per.Ha.	1	2979.75	2979.75
12	Pruning to Plants 30%	100 No.	300	485.69	1457.07
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	10686.00	10686.00

14	POL & Machinery	L/s			2228.55
15	Material and Supply	L/s			2228.55
	Sub Total				44025.08
	5th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12 Man Yr.	10686.00	12823.20
	Sub Total				12823.20
	6th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12 Man Yr.	10686.00	12823.20
	Sub Total				12823.20
	7th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12 Man Yr.	10686.00	12823.20
	Sub Total				12823.20
	8th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12 Man Yr.	10686.00	12823.20
	Sub Total				12823.20
	9th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12 Man Yr.	10686.00	12823.20
	Sub Total				12823.20
	10th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12 Man Yr.	10686.00	12823.20
	Sub Total				12823.20
	Total				593224.09
	Over Head expenses 5%				29661.20
	Wage Enhancement @ 10%				59322.41
	G. Total				682207.71
	Or Say				682208.00

Area of Diversion	0.2090	Ha.
No. of Trees effected	91	
No. of Plants effected	0	
No. of Poles effected	225	
Violation by UA?	No	(Answer)
Area of Violation (if any)	0	Ha.

C.A.	100 Trees /1000	0.91	Ha.	(L.S.Certificate)
	@ 682208 x 0.91	620809.28	Rs.	
	Round up (or say)	620809.00	Rs.	
a.	General Details:- The area in which compensatory afforestation is to be done falls along the Mattewara Forest Compartment No. 11 7 HA. Non Forest land of falls near this forest strip area of the strip is plain and growing stock already existing is less & needed to be afforested.			
b.	Spacement:- 3x3mt			
c.	Species:- Shisham, Neem, Drek, Kikar, Sirs, Cassia auriculiformis, Cassia Siemia etc.			
d.	Plantation Method:- Trench & Pits.			
e.	Soil and Moisture Conservation Works:- NA			
f.	Protection (Fencing, Watch & Ward, People's Participation etc.): - Fencing, Watch & Ward, People's Participation etc.			
g.	Proposal Monitoring Mechanism:- Segment of plantation to be made. Monitoring is to be done by Forester, Range Officer, D.D.F.O. / D.F.O.			
h.	Any other information:-			

Divisional Forest officer
Ludhiana
Ludhiana Forest Division