

Title of the Project: Diversion of 0.0901 ha. of forest land for access road to retail outlet of Indian Oil Corporation Limited (Kissan Sewa Kendra) at Khasra no. 22//23/1, 22//24/1, Doraha to Deep Nagar (OML) on Sidhwan Canal Road RD 4-5 (LHS) Tehsil Payal Distt. Ludhiana Under Forest Division Ludhiana.

Proposal No:	Diversion (Ha.):	0.0901
FP/PB/Approach/143699/2021	Previous Wage Rate :	328.00
	Current Wage Rate :	368.85

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

Sr. No.	Name of Work	Unit	Qty.	Unit Cost (in Rs.)	Amount
	Nursery				
	Nursery cost of raising plants	1100	1100	22.49	24739.00
A	Soil Work				
1	Site / Jungle Clearance (25%)	Ha.	0.5	6035.66	3017.83
2	Alignment & Dagbaling	Ha.	1	1106.55	1106.55
3	Earth Works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m	1 M3	100	114.00	11400.00
4	Preparation of Boundary Wall (1 w x 0.50 m x 500 m)	1 M3	250	114.00	28500.00
5	Kana Stubbing 25%	Ha.	0.25	30110.00	7527.50
B	Plantation Work				
1	Refilling of Pits 1000x0.5mx0.5mx0.3)	100 cum	75	3089.11	2316.83
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No.	1100	618.49	6803.39
3	Carriage of Plants (1000+10% wastage =1100 avg. dist. upto 10 km.)	100 No.	1100	221.31	2434.41
4	i) Carriage from site to site	100 No.	1000	147.54	1475.40
	ii) Planting of Plants (1000 No. including 10% replacement)	100 No.	1000	1106.55	11065.50
5	Spot Irrigation (1000 Plants)	100 No.	1000	230.53	2305.30
6	Application of Insecticide (2 Times)	100 No.	2000	46.10	922.00
7	Application of Fertilizers (2 Times)	100 No.	2000	46.10	922.00
8	Weeding & Hoeing 3 Times	100 No.	3000	402.04	12061.20
9	Hand Watering (12 Times)	100 No.	12000	230.53	27663.60
10	Replanting of Plants 10%	100 No.	100	651.23	651.23
11	Rejungle Clearance (2 Times)	100 No.	1	2674.16	26.74
12	Covering (25% plants) of plants	100 No.	250	331.96	829.90
13	Uncovering of plants	100 No.	250	36.88	92.20
15	Laying out & fixing of Barbed Wire	L/s			8852.40
16	Watch & Ward for every 10 Ha. (7 Months)	Man	1 Man	9590.10	6713.07
17	Material				
	i) Insecticides / Fertilizers	L/s			8000.00
	ii) POL	L/s			10000.00
	iii) Cost of Barbed Wire	L/s			20500.00
	iv) Cost of Fence Post	L/S			50000.00
	Sub Total				249926.05
	Maintenance 1 Year				
1	Cost of raising plants for 30% replacement	1 No.	300	22.49	6747.00
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 M3	22.5	67.05	1508.63
3	Refilling of pits with earth in other soils 300x0.50x0.50x0.30	1 M3	22.5	30.89	695.03
4	Loading & Unloading of Plants	1 No.	330	2.76	910.80
5	Carriage of Plants (300+10% Wastage=330 avg. dist. upto 10 Km.)	100 No.	330	220.63	728.08
6	Spreading of plants pit to pit	100 No.	330	147.54	486.88
7	Re-Planting to plants	100 No.	330	370.06	1221.20
8	Spot Irrigation	100 No.	330	230.53	760.75
9	Weeding & Hoeing (Three)	100 No.	3000	402.04	12061.20
10	Application of Insecticide (2 Times)	100 No.	2000	46.10	922.00
11	Application of Fertilizers (2 Times)	100 No.	2000	46.10	922.00
12	Hand Watering (6 Times)	100 No.	6000	402.04	24122.40
13	Rejungle Clearance (2 Times)	Per.Ha.	1	2674.16	2674.16

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Ludhiana Forest Division
Ludhiana

14	Restubbing of Kana	Per.Ha.	0.25	13737.68	3434.42
15	Watch & Ward for every 10 Ha. (10 Months)	Man Year	1/10 Man Yr.	9590.10	9590.10
16	Repair of Barbed Wire	L/s			2213.00
17	POL & Machinery	L/s			5000.00
18	Material and Supply	L/s			4000.00
	Sub Total				77997.64
	2nd Year Maintenance				
1	Cost of raising plants for 15% replacement	1 No.	150	22.49	3373.50
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.30	1 M3	16.2	67.05	1086.21
3	Refilling of pits with earth in other soils 150x0.60x0.60x0.30	1 M3	16.2	30.89	500.42
4	Loading & Unloading of Plants	1 No.	165	2.76	455.40
5	Carriage of Plants Wastage = 75 avg. distance upto 10 Km.)	100 No.	165	220.64	364.06
6	Spreading of plants pit to pit	100 No.	150	147.54	221.31
7	Re-Planting to plants	100 No.	150	257.62	386.43
8	Spot Irrigation	100 No.	150	230.53	345.80
9	Weeding & Hoeing (Twice)	100 No.	2000	402.04	8040.80
10	Hand Watering (6 Times)	100 No.	6000	230.53	13831.80
11	Rejungle Clearance (2 Times)	100 No.	1	2674.16	2674.16
12	Pruning to Plants 10%	100 No.	100	435.88	435.88
13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	9590.10	9590.10
14	Repair of Barbed Wire	L/s			2213.00
15	POL & Machinery	L/s			5000.00
18	Material and Supply	L/s			3000.00
	Sub Total				51518.86
	3rd Year Maintenance				
1	Cost of raising plants for 10% replacement	1 No.	100	22.49	2249.00
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.30	1 M3	7.5	67.05	502.88
3	Refilling of pits with earth in other soils 100x0.50x0.50x0.30	1 M3	7.5	30.89	231.68
4	Loading & Unloading of Plants	1 No.	100	2.76	276.00
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	100	220.64	220.64
6	Spreading of plants pit to pit	100 No.	100	147.54	147.54
7	Re-Planting to plants	100 No.	100	257.62	257.62
8	Spot Irrigation	100 No.	100	230.53	230.53
9	Weeding & Hoeing (twice)	100 No.	2000	402.04	8040.80
10	Hand Watering (5 Times)	100 No.	5000	230.53	11526.50
11	Rejungle Clearance (2 Times)	Per.Ha.	1	2674.16	2674.16
12	Pruning to Plants 20%	100 No.	200	435.88	871.76
13	Watch & Ward for every 10 Ha.	Man	1/10	9590.10	9590.10
14	Repair of Barbed Wire	L/s			2213.00
15	POL & Machinery	L/s			5000.00
18	Material and Supply	L/s			3000.00
	Sub Total				47032.20
	4th Year Maintenance				
1	Cost of raising plants for 5% replacement	1 No.	50	22.49	1124.50
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.30	1 M3	7.5	67.05	502.88
3	Refilling of pits with earth in other soils 100x0.50x0.50x0.30	1 M3	7.5	30.89	231.68
4	Loading & Unloading of Plants	1 No.	50	2.76	138.00
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	50	1.12	56.00
6	Spreading of plants pit to pit	100 No.	50	147.54	73.77
7	Re-Planting to plants	100 No.	50	257.62	128.81
8	Spot Irrigation	100 No.	50	230.53	115.27
9	Weeding & Hoeing (twice)	100 No.	2000	402.04	8040.80
10	Hand Watering (5 Times)	100 No.	5000	230.53	11526.50
11	Rejungle Clearance (2 Times)	Per.Ha.	1	2674.16	2674.16
12	Pruning to Plants 30%	100 No.	300	435.88	1307.64


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Ludhiana

13	Watch & Ward for every 10 Ha.	Man Year	1/10 Man Yr.	9590.10	9590.10
14	POL & Machinery	L/s			2000.00
15	Material and Supply	L/s			2000.00
	Sub Total				39510.10
	5th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12	9590.10	11508.12
	Sub Total				11508.12
	6th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12	9590.10	11508.12
	Sub Total				11508.12
	7th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12	9590.10	11508.12
	Sub Total				11508.12
	8th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12	9590.10	11508.12
	Sub Total				11508.12
	9th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12	9590.10	11508.12
	Sub Total				11508.12
	10th Year Maintenance				
1	Watch & Ward for every 10 Ha. (12 Months)	Man	1/12	9590.10	11508.12
	Sub Total				11508.12
	Total				535033.57
	Over Head expenses 5%				26751.68
	Wage Enhancement @ 10%				53503.36
	G. Total				615288.60
	Or Say				615289.00

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Area of Diversion	0.0901	Ha.
No. of Trees effected	4	
No. of Plants effected	0	
No. of Poles effected	0	
Violation by UA?	No	(Answer)
Area of Violation (if any)	0	Ha.

C.A.	CA Scheme (As per 2 or 2.5 multiple)	2.5	Ha.
	Area for CA as per 2.5 Multiples	0.22525	Ha.
	Round up (or say)	0.23	Ha.
	@615289 x 0.23	141516.47	Rs.
	Round up (or say)	141517.00	Rs.

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N.P.V.	4 Trees / 0.0901 Ha.	45	No.
	Rate of NPV as per 45 No.	1228590	Rs.
	@1228590 x 0.0901 Ha.	110695.96	Rs.
	Round up (or say)	110696.00	Rs.

Entry Point Activity			
	10 % of CA 141517	14151.7	Rs.
	Or say	14152	Rs.
a.	General Details:- The area in which compensatory afforestation is to be done falls along the GOPALPUR BULANDEWAL FOREST 10 HECT 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:-		


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