

Conversion of 275.16 ha. (Instead of 109.64ha.) forest land ( 211.06 ha. Protected forest and 64.10 ha. PLPA area) excluding delisted area(58.75 ha ) out of 333.91 ha of total land for Reservoir of Shahpurkandi Dam Project in Tehsil Dhar Kalan Forest Division and district Pathankot. ( By. ( SANDESH RAJ ) EXECUTIVE ENGINEER SHAHPURKANDI DAM DIVISION NO.II, SHAHPURKANDI TOWNSHIP.) Proposal No. FP/PB/HYD/40592/2019

Annexure-II

ESTIMATE FOR PLANTING OF TALL PLANTS

Name of Scheme:- Compensatory Afforestation

Wage Rate: 328  
Plants : 500 No.

Advance Work and Plantation					
	Name of Work	Unit	Unit Cost (In Rs.)	Qty	Total Amt
	Nursery				
	Cost of tall plants	1	60.00	550	33000.00
	Soil Works				
1	Site /Jungle Clearance (50%)	Ha.	5367.22	0.50	2683.61
2	Alignment & Dagbailing	Ha.	984.00	1	984.00
3	Earth Work- (a) Digging of Pits 500x 0.6m x0.6mx0.5m	1M <sup>3</sup>	101.38	90	9124.20
4	Kana Stubbing 20%	Ha.	26836.30	0.25	6709.08
	Planting				
1	Refilling of Pits	100 M <sup>3</sup>	2747.00	72	1977.84
2	Loading & Unloading of Plants (500+10% Wastage=550)	100 No	246.00	550	1353.00
3	Carriage of Plants (500+10% Wastage=550 avg. distance upto 10 km. ) 500 trolley	Km	196.80	1	196.80
4	i) Carriage from site to site	100 No	131.20	550	721.60
	ii) Planting of Plants (500 No Including 10% replacement)	100 No	984.00	550	5412.00
5	Spot Irrigation (500 Plants)	100 No	205.00	500	1025.00
6	Application of Insecticide (2 times)	100 No	41.00	1000	410.00
7	Application of Fertilizers (2 times)	100 No	41.00	1000	410.00
8	Weeding & Hoeing 3 times	100 No	357.52	1500	5362.80
9	Hand Water 6 month x 2 times (12 times)	100 No	205.00	6000	12300.00
10	Replanting of Plants 10%	100 No	579.11	50	289.56
11	Rejungle Clearance (2 times)	Per Ha.	2378.00	1.00	2378.00
12	Covering (25% plants) of plants	100 No	295.20	125	369.00
13	Uncovering of plants	100 No	32.80	125	41.00
14	Restubbing of Kana (1 time)		26836.30	0.25	6709.08
15	Laying out & fixing of Barbed Wire	L/s			4200.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	8528	1Man 7 Month	5969.60

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17	Material				
	i) Insecticides/Fertilizers	L/s			5000
	ii) POL	L/s			5000
				Sub Total	111626.16
Maintenance I Year					
1	Cost of raising plants for 30% replacement	1 No.	60.00	150	9000.00
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 m3	59.63	21.6	1288.01
3	Refilling of pits with earth in other soils 150 x 0.60 x 0.60 x 0.40	1 m3	27.47	21.6	593.35
4	Loading & Unloading of Plants	1 No.	2.46	150	369.00
5	Carriage of Plants (150+10% Wastage=330 avg. distance upto 10 km.)	500 NO	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	165	216.48
7	Re-planting to plants	100 No	329.08	165	542.98
8	Spot Irrigation	100 No.	205.00	165	338.25
9	Weeding & Hoeing (thrice)	100 No	357.52	1500	5362.80
10	App. Of Fertilizer (two times)	100 No	41.00	1000	410.00
11	App. Of Insecticide (two times)	100 No	41.00	1000	410.00
12	Hand Water 6 month x 2 times (12 times)	100 No	357.52	6000	21451.20
13	Rejungle Clearance (2 times)	Per Ha.	2378.00	1.00	2378.00
14	Restubbing of Kana	Per Ha.	26836.00	0.25	6709.00
15	Watch & Ward for every 10 Ha. (10 months)	Man year	8528.00	1/10 Man yr.	8528.00
16	POL & Machinery	L/s			5000.00
17	Material and supply	L/s			5000.00
				Sub Total	67793.27
Maintenance II Year					
1	Cost of raising plants for 15% replacement	No.	60.00	75	4500.00
2	Reopening of Pits 75 x 0.60 x 0.60 x 0.40	1 m3	59.63	10.8	644.00
3	Refilling of pits with earth in other soils 75 x 0.60 x 0.60 x 0.40	1 m3	27.47	10.8	296.68
4	Loading & Unloading of Plants	1 No.	2.46	75	184.50
5	Carriage of Plants (75+10% Wastage=75 avg. distance upto 10 km.)	100 No	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	75	98.40
7	Re-planting to tall plants	100 No	229.08	75	171.81
8	Spot Irrigation	100 No.	205.00	75	153.75
9	Weeding & Hoeing (twice)	100 No	357.52	1500	5362.80
10	Hand Watering 10 Times	100 No	205.00	5000	10250.00
11	Rejungle Clearance ( 2 times)	Per Ha.	2378.00	1.00	2378.00
12	Stubbing of Kana	Per Ha.	26836.00	0.10	2683.60
13	Pruning to plants	100 No.	387.61	100	387.61

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14	Watch & Ward for every 10 Ha.	Man year	8528.00	1/10 Man yr.	8528.00
15	POL & Machinery	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	45835.35
Maintenance III Year					
1	Cost of raising plants for 10% replacement	1 No.	60.00	50	3000.00
2	Reopening of Pits 50 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	5963.00	7.2	429.34
3	Refilling of pits with earth in other soils 50 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	27.47	7.2	197.78
4	Loading & Unloading of Plants	1 No.	2.46	50	123.00
5	Carriage of Plants (50+10% Wastage=50 avg. distance upto 10 km.)	100 No	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	50	65.60
7	Re-planting to plants	100 No	229.08	50	114.54
8	Spot Irrigation	100 No.	205.00	50	102.50
9	Weeding & Hoeing (three)	100 No	357.52	1500	5362.80
10	Hand Watering (8 times)	100 No	205.00	4000	8200.00
11	Rejungle Clearance ( 2 times)	Per Ha.	2378.00	1.00	2378.00
12	Stubbing of Kana	Per Ha.	26836.00	0.10	2683.60
13	Pruning to plants 20%	100 No.	387.61	100	387.61
14	Watch & Ward for every 10 Ha.	Man year	8528.00	1/10 Man yr.	8528.00
15	POL & Machinery	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	41768.97
Maintenance IV Year					
1	Cost of raising plants for 5% replacement	1 No.	60.00	25	1500.00
2	Reopening of Pits 25 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	59.63	3.6	214.67
3	Refilling of pits with earth in other soils 25 x 0.60 x 0.60 x 0.40	1 m <sup>3</sup>	27.47	3.6	98.89
4	Loading & Unloading of Plants	1 No.	2.46	25	61.50
5	Carriage of Plants (25+10% Wastage=25 avg. distance upto 10 km.)	100 No	196.20	1	196.20
6	Spreading of plants pit to pit	100 No	131.20	25	32.80
7	Re-planting to plants	100 No	229.08	25	57.27
8	Spot Irrigation	100 No.	205.00	25	51.25
9	Weeding & Hoeing (twice)	100 No	357.52	1500	5362.80
10	Rejungle Clearance ( 2 times)	Per Ha.	2378.00	1.00	2378.00
11	Pruning to plants 30%	100 No.	387.61	300	1162.83
12	Watch & Ward for every 10 Ha.	Man year	8528.00	1/10 Man yr.	8528.00
13	POL & Machinery	L/s			5000
14	Material and supply	L/s			5000
				Sub Total	29644.21

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				TOTAL	296667.96
	Over Head expenses 5%				14833.40
	Enhancement due to wage escalation @9%				26700.12
				G.Total	338201.48

**Summary of Costs**

**a) Cost of Plantation:**

(i) Cost of plantation over  $889 \times 2 = 1778$  plants = 3.556 HA

	Rs	1202644.46
<b>Total</b>	<b>Rs</b>	<b>1202644.46</b>

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