

Diversion of 0.222 ha forest for Development of PATTAYA BEACH ECO HUTS on Udampur road to Chamror Patan road 4 km. Right side village Chamror Patan H.B. No. 402 Khasra No. 611,613 Delisted area of section 4 of PLPA 1900 Tehsil Dhar Kalan Forest Division and District Pathankot. (By. Ranbir Singh son of Shri Swadesh singh, resident of village Kandwal ward no. 4 Po Kandwal Tehsil Nurpur Distt. Kangra.)
Proposal No. FPPB/OTHERS/41051

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“SCHEME FOR COMPENSATORY AFFORESTATION”

Details scheme for compensatory Afforestation to be carried out in lieu of 0.222 ha. of forest area to be diverted for Development of PATTAYA BEACH ECO HUTS on Udampur road to Chamror Patan road 4 km. Right side village Chamror Patan H.B. No. 402 Khasra No. 611,613 Delisted area of section 4 of PLPA 1900 Tehsil Dhar Kalan Forest Division and District Pathankot.

Details of degraded forest land/non-forest land:- District Pathankot

1. Tehsil Pathankot
2. Name of Forest Division Pathankot Range Pathankot
3. area to be afforestation . 0.555 ha.
/Plants . 555
4. **Description of 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 :-N.A
 - 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
 - iv Soil type :- Heavy soil / Medium soil
 - v Topography
 - a. Hilly/Undulating/Plan
 - b. Slope:- Steep/Medium/Gentle
 - vi Whether the area is bearing any root stock of vegetation:-NO

3. Plantation Model :-

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

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4. Schedule of Plantation Programme :-

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

Year	Area	Rate/ha.	Total amount
0th year	0.555	186465.05	103488.103
1st year	0.555	73045.06	40540.0083
2nd year	0.555	45880.96	25463.9328
3rd year	0.555	42683.63	23689.4147
4th year	0.555	39565.59	21958.9025
5th year	0.555	5969.60	3313.128
6th year	0.555	5969.60	3313.128
7th year	0.555	5969.60	3313.128
8th year	0.555	5969.60	3313.128
9th year	0.555	5969.60	3313.128
10th year	0.555	5969.60	3313.128
Over Head expenses 5%	0.555	21172.89	11750.954
Supervision charge 10%	0.555	42345.79	23501.9135
GrandTotal:-			270273.00

3. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details
- Spacing
- Species
- Plantation Method
- Soil and Moisture Conservation Works.
- Protection (Fencing Watch man, People's Participation etc.)
- Proposed Monitoring Mechanism.

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Proposal No. FP/PB/OTHERS/41051			Daily Wage Rate : 328/-		
			Plants : 1000 No.		
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	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	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	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	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	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	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	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	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
	Compensatory afforestation scheme 0.222 X 2500 = 555 Plants 0.555 ha area	Rs	0.555	486977	270273.00
	Net Present Value @ 626000/-per hect. 626000 X 0.222 ha	Rs	0.222	626000	138972.00
				Total	409245.00

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