

Estimate for Advance works of Compensatory Afforestation

At Mouza Kashihir JL.No.-12 Plot No.-630 Area 1.32 Ha.


Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Supply of Misc. tall seedlings including carriage	2000	125.00	2,50,000.00
2	Escalation cost 10%			25,000.00
	Total cost per Ha.			2,75,000.00
	For 1.32 Ha			3,63,000.00

Estimate for Creation works of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Survey demarcation with GPS	2		
2	Cleaning, burning and removal of debris and making Inspection path	25		
3	Alignment staking of planting pit	2		
4	Digging planting pit of size 90 + 60/2 X 60 X 60, Spcing 2.50 m X 2.50 m	50		
5	Alignment and cutting of contour trench of size 0.45 m X 0.45 m X 5 m, total 500 m/ha. throughout the plantation area along the contour line at a regular interval	40		
6	Digging of Cattle Proof trench all around the plantation	40		
7	Filling up planting pits including application of fertilizer etc.	20		
8	Hoeing surrounding the boundary line including sowing of Akashmoni & Babla Seed	5		
9	Transplanting of seedlings including carriage	20		
10	Application of insecticides to the planted seedlings	2		
11	Vacancy filling with seedlings	5		
12	Cost of application of organic manure	4		
13	1st time weeding cleaning & mulching with fertilizer	20		
14	2nd time weeding cleaning & mulching	18		
15	3rd time weeding cleaning & mulching	16		
16	Making fire line 1.50 mtr wide all along the periphery and 1.20 mtr instde plantationprotection	12		
17	Watch and Ward	30		
18	Watering in dry spell	25		
	Total	336	247.00	82,992.00
Mateerial				
19	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			3,000.00
20	Insecticides/Hormone			1,200.00
21	Organic manure			1,500.00
22	Carriage of Seedlings,Fertilizer etc.			2,000.00
23	Barbedwire Fencing			18,000.00
24	Contingency			2,316.00
	Total			28,016.00
	Total cost per Ha.			1,11,008.00
25	Escalation cost 10%			11,100.80
	Total cost per Ha.			1,22,108.80
	For 1.32 Ha			1,61,183.62
	Or Say			1,61,184.00


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Estimate for 1st Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	20		
2	Planting seedling by dig & plant method including carriage	10		
3	1st mulching, weeding, cleaning and application of fertilizer 50 gm/pit	18		
4	2nd mulching, weeding, cleaning and application of fertilizer 50 gm/pit	16		
5	Repair of Fencing	12		
6	Maintenance of firelines 3.0 m wide	10		
7	Watch and Ward	30		
8	Watering in dry spell	25		
	Total	141	247.00	34,827.00
Mateerial				
9	Supply of Misc. tall seedlings including carrige 10%	200	125.00	25,000.00
10	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			3,000.00
11	Insecticides/Hormone			1,200.00
12	Carriage of Seedlings,Fertilizer etc.			1,000.00
13	Fencing Materials (Barbed Wire & Post)			5,000.00
14	Contingency			2,396.00
	Total			37,596.00
	Total cost per Ha.			72,423.00
15	Escalation cost 10%			7,242.30
	Total cost per Ha.			79,665.30
	For 1.32 Ha			1,05,158.20
	Or Say			1,05,158.00

Estimate for 2nd Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	20		
2	Planting seedling by dig & plant method including carriage	10		
3	1st mulching, weeding, cleaning and application of fertilizer 50 gm/pit	18		
4	2nd mulching, weeding, cleaning and application of fertilizer 50 gm/pit	16		
5	Repair of Fencing	10		
6	Maintenance of firelines 3.0 m wide	10		
7	Watch and Ward	30		
	Total	114	247.00	28,158.00
Mateerial				
8	Supply of Misc. tall seedlings including carrige 10%	100	125.00	12,500.00
9	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			4,000.00
10	Insecticides/Hormone			1,000.00
11	Carriage of Seedlings,Fertilizer etc.			1,000.00
12	Fencing Materials			5,000.00
13	Contingency			2,684.00
	Total			26,184.00
	Total cost per Ha.			54,342.00
14	Escalation cost 10%			5,434.20
	Total cost per Ha.			59,776.20
	For 1.32 Ha			78,904.58
	Or Say			78,905.00



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Estimate for 3rd Year Maint. of Compensatory Afforestation


Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	Planting seedling by dig & plant method including carriage	5		
3	1st time weeding cleaning & mulching with fertilizer 40 gm per pit	16		
4	2nd time weeding cleaning & mulching	14		
5	Repair of fencing	8		
6	Cutting of fireline 3 mtr. Wide	10		
7	Watch & ward	30		
	Total	93	247.00	22,971.00
8	Supply of Misc. tall seedlings including carriage 10%	100	125.00	12,500.00
9	Carriage of Seedlings from Central Nursery to Planting site including loading and unloading			1,000.00
10	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			3,500.00
11	Cost of fencing materials			4,500.00
12	Contingency			2,808.00
	Total cost per Ha.			47,279.00
13	Escalation cost 10%			4,727.90
	Total cost per Ha.			52,006.90
	For 1.32 Ha			68,649.11
	Or Say			68,649.00

Estimate for 4th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	1st time weeding cleaning & mulching	14		
3	2nd time weeding cleaning & mulching	12		
4	Repair of fencing	8		
5	Cutting of fireline 3 mtr. Wide	10		
6	Watch & ward	30		
		84	247.00	20,748.00
	TOTAL			20,748.00
7	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			3,000.00
8	Cost of fencing materials			4,000.00
9	Contingency			2,504.00
	Total cost per Ha.			30,252.00
10	Escalation cost 10%			3,025.20
	Total cost per Ha.			33,277.20
	For 1.32 Ha			43,925.90
	For 1.32 Ha			57,982.19
	Or Say			57,982.00


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Estimate for 5th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	1st time weeding cleaning & mulching	12		
3	2nd time weeding cleaning & mulching	10		
4	Repair of fencing	8		
5	Cutting of fireline 3 mtr. Wide	10		
6	Watch & ward	30		
		80	247.00	19,760.00
	TOTAL			19,760.00
7	Cost of fencing materials			3,500.00
8	Contingency			2,480.00
	Total cost per Ha.			25,740.00
9	Escalation cost 10%			2,574.00
	Total cost per Ha.			28,314.00
	For 1.32 Ha			37,374.48
	Or Say			37,374.00

Estimate for 6th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	Repair of fencing	6		
3	Cutting of fireline 3 mtr. Wide	10		
4	Watch & ward	30		
		56	247.00	13,832.00
	TOTAL			13,832.00
5	Cost of fencing materials			3,000.00
6	Contingency			2,336.00
	Total cost per Ha.			19,168.00
7	Escalation cost 10%			1,916.80
	Total cost per Ha.			21,084.80
	For 1.32 Ha			27,831.94
	Or Say			27,832.00

Estimate for 7th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Repair of fencing	8		
2	Cutting of fireline 3 mtr. Wide	10		
3	Watch & ward	30		
		48	247.00	11,856.00
	TOTAL			11,856.00
4	Cost of fencing materials			2,500.00
5	Contingency			1,788.00
	Total cost per Ha.			16,144.00
6	Escalation cost 10%			1,614.40
	Total cost per Ha.			17,758.40
	For 1.32 Ha			23,441.09
	Or Say			23,441.00



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Estimate for 8th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Repair of fencing	8		
2	Cutting of fireline 3 mtr. Wide	10		
3	Watch & ward	24		
		42	247.00	10,374.00
	TOTAL			10,374.00
4	Cost of fencing materials			2,000.00
5	Contingency			1,752.00
	Total cost per Ha.			14,126.00
6	Escalation cost 10%			1,412.60
	Total cost per Ha.			15,538.60
	For 1.32 Ha			20,510.95
	Or Say			20,511.00

Estimate for 9th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Repair of fencing	6		
2	Cutting of fireline 3 mtr. Wide	8		
3	Watch & ward	21		
		35	247.00	8,645.00
	TOTAL			8,645.00
4	Cost of fencing materials			1,500.00
5	Contingency			1,460.00
	Total cost per Ha.			11,605.00
6	Escalation cost 10%			1,160.50
	Total cost per Ha.			12,765.50
	For 1.32 Ha			16,850.46
	Or Say			16,850.00

Estimate for 10th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Repair of fencing	5		
2	Cutting of fireline 3 mtr. Wide	8		
3	Watch & ward	20		
		33	247.00	8,151.00
	TOTAL			8,151.00
4	Cost of fencing materials			1,000.00
5	Contingency			948.00
	Total cost per Ha.			10,099.00
6	Escalation cost 10%			1,009.90
	Total cost per Ha.			11,108.90
	For 1.32 Ha			14,663.75
	Or Say			14,664.00


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ABSTRACT

Sl.No.	Particulars	Area in Ha	Rate	Amount
1	Advance works of Compensatory Afforestation	1.32	2,75,000.00	3,63,000.00
2	Creation works of Compensatory Afforestation	1.32	1,11,008.00	1,61,184.00
3	1st Year Maint. of Compensatory Afforestation	1.32	72,423.00	1,05,158.00
4	2nd Year Maint. of Compensatory Afforestation	1.32	54,342.00	78,905.00
5	3rd Year Maint. of Compensatory Afforestation	1.32	47,279.00	68,649.00
6	4th Year Maint. of Compensatory Afforestation	1.32	30,252.00	57,982.00
7	5th Year Maint. of Compensatory Afforestation	1.32	25,740.00	37,374.00
8	6th Year Maint. of Compensatory Afforestation	1.32	19,168.00	27,832.00
9	7th Year Maint. of Compensatory Afforestation	1.32	16,144.00	23,441.00
10	8th Year Maint. of Compensatory Afforestation	1.32	14,126.00	20,511.00
11	9th Year Maint. of Compensatory Afforestation	1.32	11,605.00	16,850.00
12	10th Year Maint. of Compensatory Afforestation	1.32	10,099.00	14,664.00
	Total Cost for 1.32 Ha			9,75,550.00



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