

**DETAILED COMPENSATORY AFFORSTATION SCHEME FOR PANISAGAR-AIZAWL NATURAL GAS PIPELINE
PROJECT (MIZORAM STATE)**

1. Implementing Agency : Environment, Forest & Climate Change Department.
2. Time Schedule : 12 years programme advance works, creation of plantation and maintenance of plantation for subsequent ten years.

**Analysis per hectare rate for various work items under Compensatory
Afforestation to be taken up under Forest (Conservation) Act, 1980**

(Rs.380/-per manday)

(1100 plants per Ha)

Sl.No	Items of work	Mandays required (in No)	Labour component (in Rs)	material component (in Rs)	Cost/Ha (in Rs.)
1	2	3	4	5	6
1	Advance works including nursery				
	a) Survey & Demarcation including mapping	3	1140		1140
	b) Area preparation by cutting grasses and scrubs	20	7600		7600
	(c) Fire line cutting, burning and maintenance	6	2280		2280
	(d) Clearance of site for nursery, preparation of nursery bed, filling of poly-bags, manuring, shed erection, burning and maintenance	20	7600		7600
	(e) Cost of seeds, poly-bags, implements etc.	0		1890	1890
	(f) Treatment and sowing of seeds	5	1900		1900
	(g) Weeding and watering	11	4180		4180
	Sub Total	65	24700	1890	26590
2	Creation of Plantation				
	a) Site preparation, alignment, preparation of stakes, digging of pits, preparation of planting materials, carriage to plantingsite, planting /sowing, construction of camp shed, inspection path, signboard and other misc works	25	9500		9500
	b) weeding 3 times including vacancy filling and watch & ward	67	25460		25460
	c) Fire protection measures like fire line cutting, engagement of fire watchers	3	1140		1140
	Sub Total	95	36100		36100
3	Maintenance of Plantation				
	(i) Maintenance after 1st year				
	a) Weeding 3 times + vacancy filling (10+9+5)	24	9120		9120
	b) Fire protection measures	3	1140		1140
	Sub Total	27	10260		10260
	(ii) Maintenance after 2 years				
	a) Weeding 2 times (10+5)	15	5700		5700
	b) Fire protection measures	3	1140		1140
	Add 25% for anticipated revision of wage rate				1710
	Sub Total	18	6840		8550
	(iii) Maintenance after 3 years				
	a) Weeding 2 times (8+5)	13	4940		4940
	b) Fire protection measures	3	1140		1140
	Add 25% for anticipated revision of wage rate				1520
	Sub Total	16	6080		7600
	(iv) Maintenance after 4 years				
	a) Weeding 2 times (8+5)	13	4940		4940
	b) Fire protection measures	3	1140		1140
	Add 50% for anticipated revision of wage rate				3040
	Sub Total	16	6080		9120


(v) Maintenance after 5 years				
a) Weeding/tending	12	4560		4560
b) Fire protection measures	2	760		760
Add 50% for anticipated revision of wage rate				2660
Sub Total	14	5320		7980
(vi) Maintenance after 6 years				
a) Weeding/tending	12	4560		4560
b) Fire protection measures	2	760		760
Add 75% for anticipated revision of wage rate				3990
Sub Total	14	5320		9310
(vii) Maintenance after 7 years				
a) Weeding/tending	10	3800		3800
b) Fire protection measures	2	760		760
Add 75% for anticipated revision of wage rate				3420
Sub Total	12	4560		7980
(viii) Maintenance after 8 years				
a) weeding/tending	10	3800		3800
b) Fire protection measures	2	760		760
Add 100% for anticipated revision of wage rate				4560
Sub Total	12	4560		9120
(ix) Maintenance after 9 years				
a) Weeding/tending	8	3040		3040
b) Fire protection measures	2	760		760
Add 100% for anticipated revision of wage rate				3800
Sub Total	10	3800		7600
(x) Maintenance after 10 years				
a) Weeding/tending	8	3040		3040
b) Fire protection measures	2	760		760
Add 100% for anticipated revision of wage rate				3800
Sub Total	10	3800		7600
Total of Plantation Cost	309	117420	1890	1,47,810
4	Soil & moisture conservation measures including construction of check dams, gully plugging, contour trenching, water harvesting structures etc. whatever necessary within the project area (15% of plantation cost)			22,171
5	Fencing (5% of plantatin cost)			7390
6	Monitoring & Evaluation (2% of plantation cost)			2956
7	Overheads (10% of plantation cost)			14781
	Grand Total :	311	117420	1890
				1,95,108

For 9.461 Ha of land

195108 x 9.461 = 18,45,916.788

Say = Rs.18,45,900.00


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