

DETAILS ESTIMATE OF EXPENDITURE FOR RAISING COMPENSATORY AFFORESTATION (AS PER NORMS) NOTIFIED VIDE NO. FOR.85/86/194 DATED 25th JULY 2005 TEN TIMES THE NOS. OF TREES REQUIRED TO BE FELLED FOR THE AREA PROPOSED FOR CONSTRUCTION OF RCC RESERVIOR AT UPPER SHILLONG PROTECTED FOREST, COMPARTMENT NO. 6.

Total nos. of trees required to be felled = 48 nos x 10 times = 480 nos.

Area of plantation @ 1111 seedlings / ha (3 x 3mt spacing) = 0.43 ha = 0.5 ha

1:2. TEMPORARY NURSERY :

1:2 (a) POLYPOT NURSERY

(i) NORMS IN THE FIRST YEAR

'A' (No. (s) OF BED (s) TO BE RAISED = 1 (One) NOS. STANDARD NURSERY BED.

Sl no	Items of works	Unified Norms		
		Man days	Rate P/Bed (in ₹.)	Amount (₹)
1	2	3	4	5
1.	Preparation of standard size Nursery Bed	1.5	240/-	240/-
2.	Cost of H.S Polythene bags (22.5cm x 15 cm – 150 gauge).	7.2	1152/-	1152/-
3.	Cost of manure mixed with earth in polybag including pounding after filling	9	1440/-	1440/-
4.	Cost of cow dung including transportation	0.6	96/-	96/-
5.	Cost of seeds.	1.4	224/-	224/-
6.	Cost of coat proof fencing wise net including cost of collection of wooden fencing posts, erecting, fixing and fitting etc. complete and including cost of staples.	1	160/-	160/-
7.	Cost of sowing including hoeing.	1	160/-	160/-
8.	Cost of pricking and transplanting of seedlings from germination beds to polybags.	2	320/-	320/-
9.	Cost of construction of shades for protection of seedling from frost during winter and direct sunlight in warm areas.			
	(a) Cost of materials	1	160/-	160/-
	(b) Labour cost.	2	320/-	320/-
10.	Cost of weeding 4 (four) weeding.	2.6	416/-	416
11.	Cost of watering.	1	160/-	160/-
12.	Misc. cost e.g., fungicides, tools & plants, inspection path fertilizers, chemicals, lime pesticides, growth hormones, etc.	0.2	32	32/-
	'A' TOTAL IN THE FIRST YEAR	30.5	4880/-	4880/-

'B' (ii) MAINTENANCE IN THE SECOND YEAR

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 1 bed
1.	Weeding (3 weeding only) are necessary.	1.3	208/-	208/-
2.	Watering.	0.3	48/-	48/-
	'B' TOTAL IN THE SECOND YEAR.	1.6	256/-	256/-

'C' 21.1 PRELIMINARY WORK FOR 0.5 HA.

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	Survey and demarcation including fixing of boundary marks at strategic points.	2	320/-	160/-
2.	Jungle clearance, burning and preparation including stacking pit digging, hoeing etc.	24	3840/-	1920/-
3.	(i) Construction of camp hut and inspection paths	8	1280/-	640/-
	(ii) Construction of inspection path.	3	480/-	240/-
	(iii) Procurement of tools and plants.	3	480/-	240/-
	'C' TOTAL IN THE PRELIMINARY	40	6400/-	3200/-

'D' 1.1 (a) CREATION – (FIRST YEAR OF PLANTATION)

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	Planting of Nursery seedlings including carriage from Nursery Centre to plantation sites and proper ramming after planting etc.	16	2560/-	1280/-
2.	Weeding – 3 weeding @ Rs 1500/- per weeding per hac	45	7200/-	3600/-
3.	Fire protection during dry and windy seasons (i) Wages of fire-watchers from November of the creation year to April of the following year.	7	1120/-	560/-
	(ii) Fire line clearance internal and external fire line including controlled burning.	7	1120/-	560/-
	'D' TOTAL IN THE FIRST YEAR	75	12000/-	6000/-

'E' 1.1 (b) SECOND YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	2 (Two) weeding @ 1500/ p.w.	30	4800/-	2400/-
2.	<u>Fire Protection</u> (i) Wages of fire watchers.	7	1120/-	560/-
	(ii) Fire line clearance including controlled burning.	7	1120/-	560/-
3.	Vacancy filling in mortality area	4	640/-	320/-
	'E' TOTAL IN THE SECOND YEAR OF PLANTATION.	48	7680/-	3840/-

'F' 1.1 (c) THIRD YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	Two weeding only are necessary @ 1500 / p.w	30	4800/-	2400/-
2.	<u>Fire Protection</u>			
	(i) Wages of fire watchers.	7	1120/-	560/-
	(ii) Fire line clearance and controlled burning.	7	1120/-	560/-
3.	Vacancy filling	4	640/-	320/-
	'F' TOTAL IN THE THIRD YEAR OF PLANTATION	48	7680/-	3840/-

'G' 1.1 (d) FOURTH YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	<u>Fire Protection</u>			
	(i) Wages of fire watchers.	7	1120/-	560/-
	(ii) Fire line clearance	7	1120/-	560/-
	'G' TOTAL IN THE FOURTH YEAR OF PLANTATION	14	2240/-	1120/-

'H' 1.1 (e) FIFTH YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	<u>Fire Protection</u>			
	(i) Wages of fire watchers.	7	1120/-	560/-
	(ii) Fire line clearance etc.	7	1120/-	560/-
2.	Cost of singling out operation to provide proper spacing from one plant to another	6	960/-	480/-
	'H' TOTAL IN THE FIFTH YEAR OF PLANTATION	20	3200/-	1600/-

'I' 1.1 (f) SIXTH YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	<u>Fire Protection</u>			
	(i) Wages of fire watchers.	7	1120/-	560/-
	(ii) Fire line clearance etc.	7	1120/-	560/-
	'I' TOTAL IN THE SIXTH YEAR OF PLANTATION	14	2240/-	1120/-

'J' 1.1 (g) SEVENTH YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	<u>Fire Protection</u> (i) Wages of fire watchers.(2 nos @ ₹ 1155/- each)	7	1120/-	560/-
	(ii) Fire line clearance etc.	7	1120/-	560/-
	'J' TOTAL IN THE SEVENTH YEAR OF PLANTATION	14	2240/-	1120/-

'K' 1.1 (g) EIGHTH YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	<u>Fire Protection</u> (i) Wages of fire watchers.(2 nos @ ₹ 1155/- each)	7	1120/-	560/-
	(ii) Fire line clearance etc.	7	1120/-	560/-
	'J' TOTAL IN THE SEVENTH YEAR OF PLANTATION	14	2240/-	1120/-

'L' 1.1 (g) NINTH YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	<u>Fire Protection</u> (i) Wages of fire watchers.(2 nos @ ₹ 1155/- each)	7	1120/-	560/-
	(ii) Fire line clearance etc.	7	1120/-	560/-
	'J' TOTAL IN THE SEVENTH YEAR OF PLANTATION	14	2240/-	1120/-

'M' 1.1 (g) TENTH YEAR OF PLANTATION

Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 0.5 ha
1.	<u>Fire Protection</u> (i) Wages of fire watchers.(2 nos @ ₹ 1155/- each)	7	1120/-	560/-
	(ii) Fire line clearance etc.	7	1120/-	560/-
	'J' TOTAL IN THE SEVENTH YEAR OF PLANTATION	14	2240/-	1120/-

TOTAL OF A+B+C+D+E+F+G+H + I + J +K+L+M = ₹ 30,336.00
 ADD 15 % Escalation = ₹ 4,550.40
 Total = ₹ 34,886.40

Say = ₹ 34,886/-

(Rupees Thirty four thousand eight hundred eighty six) only.

Regional Forest Officer
 Khasi Hills (T) Division
 Shillong

Divisional Forest Officer,
 Khasi Hills (T) Division,
 Shillong.