

DETAIL ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION ON EQUIVALENT NON-FOREST LAND ADJACENT TO NONGUMIANG RESERVED FOREST, WEST KHASI HILLS DISTRICT FOR THE AREA PROPOSED FOR CONSTRUCTION OF 2-LANING OF SHILLONG-NONGSTOIN ROAD @ Rs 184/- PER MANDAY VIDE GOVT. ORDER.NOLBG75/2012/259, Dt,31/01/2017.

1:2.	TEMPORARY NURSERY :			
1:2 (a)	POLYPOT NURSERY			
	NO OF BEDS TO RAISED = 107 NOS STANDARD NURSERY BEDS			
(i)	NORMS IN THE FIRST YEAR			
Sl no	Items of works	Unified Norms		Amount for 107 beds
		Man days	Rate P/Bed	
1	2	3	4	5
1	Preparation of standard size Nursery Bed	1.5	276	29532
2	Cost of H.S Polythene bags (22.5cm x 15 cm – 150 gauge).	7.2	1324.8	141753.6
3	Cost of manure mixed with earth in polybag	9	1656	177192
4	Cost of cow dung including transportation	0.6	110.4	11812.8
5	Cost of seeds.	1.5	276	29532
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	184	19688
7	Cost of sowing including hoeing.	1	184	19688
8	Cost of pricking and transplanting of seedlings from germination beds to polybags.	2	368	39376
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	184	19688
	(b) Labour cost.	2	368	39376
10	Cost of weeding 4 (four) weeding.	2.6	478.4	51188.8
11	Cost of watering.	1	184	19688
12	Misc. cost e.g., fungicides, tools & plants, inspection path fertilizers, chemicals, lime pesticides, growth hormones, etc.	0.2	36.8	3937.6
	'A' TOTAL IN THE FIRST YEAR	30.6	5630.4	602452.8

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
1	2	3	4	5
1	Survey and demarcation including fixing of boundary marks at strategic points.	2	368	18841.232
2	Jungle clearance, burning land preparation including stacking pit digging, hoeing etc.	24	4416	226094.784
3	Fencing :- (a) With 3 strand bared wire and wooden fencing posts including cost of staples fixing, fitting etc complete.	64	11776	602919.424
4	Cost of collection of seeds (pine and other species).	5	920	47103.08
5	Construction of camp hut and inspection paths.	4	736	37682.464
6	Purchase of tools and plants.	2	368	18841.232
7	Supervisory staff to be engaged on casual basis from amongst the local people.	12	2208	113047.392
	Total cost in the Preliminary year	113	20792	1064529.608

FIRST YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
1	2	3	4	5
1	Creation of plantation.			
	(i) Planting of Nursery seedlings including carriage from Nursery Centres to plantation sites and proper Ramming after planting.	16	2944	150729.856
2	Weeding - 3 weedings @ 2400/p.m p.h			
	Fire protection during dry and windy seasons.	45	8280	423927.72
3	(i) Wages of fire-watchers from November of the creation year to April of the following year	10	1840	94206.16
	(ii) Fireline clearance internal and external fireline including controlled burning.	10	1840	94206.16
4	Miscellaneous cost.			
	Total cost in the first Year	81	14904	763069.896

SECOND YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
	2	3	4	5
	Vacancy filling in mortality areas	4	736	37682.464
1	3 (three) weedings @ 2400 - p.w	45	8280	423927.72
1	Fire Protection .			
2	(i) Wages of fire watchers.	10	1840	94206.16
3	(i) Fireline clearance including controlled.	10	1840	94206.16
4	Miscellaneous cost e.g. repair of fencing etc			
	Total cost in the Second Year	69	12696	650022.504

THIRD YEAR PLANTATION FOR 51.199 HA

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
	2	3	4	5
1	Vacancy filling whenever necessary.	4	736	37682.464
2	2 (two) weedings @ 2400 - p.w/ p.h	30	5520	282618.48
	Fire Protection			
3	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
4	Miscellaneous cost e.g. repair of fencing.	4	736	37682.464
	Total cost in the Third Year	58	10672	546395.728

FOURTH YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
	2	3	4	5
1	One weeding (only in non-pine plantation where there is heavy growth of weeds/jungles)	15	2760	141309.24
	Fire Protection			
2	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
3	Miscellaneous cost.			
	Total cost in the Fourth Year	35	6440	329721.56

FIFTH YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
1	2	3	4	5
1	One weeding (only in non-pine plantation)	15	2760	141309.24
	Fire Protection			
2	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
3	Miscellaneous cost.			
	Total cost in the Fifth Year	35	6440	329721.56

SIXTH YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
1	2	3	4	5
1	One weeding (only in non-pine plantation)	15	2760	141309.24
	Fire Protection			
2	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
3	Miscellaneous cost.			
	Total cost in the Sixth Year	35	6440	329721.56

SEVENTH YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works			Cost for 51.199 ha
		Mandays	Amount (in Rs)	
1	2	3	4	5
	Fire Protection			
1	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
2	Miscellaneous cost.			
	Total cost in the Seventh Year	20	3680	188412.32

EIGHTH YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works	Mandays	Amount (in Rs)	Cost for 51.199 ha
1	2	3	4	5
1	Fire Protection			
	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
2	Miscellaneous cost.			
	Total cost in the Eighth Year	20	3680	188412.32

NINTH YEAR OF PLANTATION FOR 51.199 HA

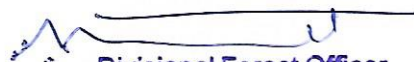
Sl no.	Items of works	Mandays	Amount (in Rs)	Cost for 51.199 ha
1	2	3	4	5
1	Fire Protection			
	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
2	Miscellaneous cost.			
	Total cost in the Ninth Year	20	3680	188412.32

TENTH YEAR OF PLANTATION FOR 51.199 HA

Sl no.	Items of works	Mandays	Amount (in Rs)	Cost for 51.199 ha
1	2	3	4	5
1	Fire Protection			
	(i) Wages of fire watchers	10	1840	94206.16
	(ii) Fireline clearance and controlled burning.	10	1840	94206.16
2	Miscellaneous cost.			
	Total cost in the Tenth Year	20	3680	188412.32
		Total Amount=		5369284.496

i) Total cost of Afforestation	5369284.00
Add cost of Escalation 15 %	805392.60
ii) Cost of Constructing quarter for plantation watcher	738300.00
iii) Cost of purchasing vehicle (Gypsy)	800000.00
Total=	7712976.6
Say	7712977

(Rupees Seventy seven lakhs twelve thousand nine hundred seventy seven) only.


Divisional Forest Officer
Khasi Hills (T) Division
Shillong