

DETAILS ESTIMATE OF EXPENDITURE FOR RAISING COMPENSATORY AFFORESTATION FOR AREA (19.7 HA) (AS PER NORMS) NOTIFIED VIDE NO. FOR.85/86/194 DATED 25th JULY 2005 @ 184.00 / man days VIDE GOVT. ORDER.NOLBG75/2012/259, Dt,31/01/2017 twice the area utilised by the NORTH EAST POWER TRANSMISSION COMPANY PRIVATE LTD (USER AGENCY) FOR RE-ROUTING PORTION OF EXISTING TRANSMISSION LINE TO BONGAIGOAN ASSAM.

1:2. TEMPORARY NURSERY :

1:2 (a) POLYPOT NURSERY

(i) NORMS IN THE FIRST YEAR

'A' (No. (s) OF BED (s) TO BE RAISED = 41 (Forty One) NOS. STANDARD NURSERY BED.

Unified Norms				
Sl no	Items of works	Man days	Rate P/bed	Amount
1	2	3	4	5
1	Preparation of standard size Nursery	1.5	276	50784
2	Cost of H.S Polythene bags (22.5cm x 15 cm – 150 gauge).	7.2	1324.8	243763.2
3	Cost of manure mixed with earth in polybag including pounding after filling	9	1656	304704
4	Cost of cow dung including transportation	0.6	110.4	20313.6
5	Cost of seeds.	1.4	257.6	47398.4
6	Cost of coat proof fencing wise net including cost of collection of wooden	1	184	33856
7	Cost of sowing including hoeing.	1	184	33856
8	Cost of pricking and transplanting of seedlings from germination beds to	2	368	67712
9	Cost of construction of shades for protection of seedling from frost during			
	(a) Cost of materials	1	184	33856
	(b) Labour cost.	2	368	67712
10	Cost of weeding 4 (four) weeding.	2.6	478.4	88025.60
11	Cost of watering.	1	184	33856.00
12	Misc. cost e.g., fungicides, tools & plants, inspection path fertilizers, chemicals, lime pesticides, growth	0.2	36.8	6771.2
	'A' TOTAL IN THE FIRST YEAR	30.5	5612	230092.00
		Total		230092.00

(ii) MAINTENANCE IN THE SECOND YEAR				
Sl no	Items of works	Mandays / ha	Rate per bed	Amount
1	Weeding (3 weeding only) are	1.3	239.2	44012.8
2	Watering.	0.3	55.2	10156.8
	'B' TOTAL IN THE SECOND YEAR.	1.6	294.4	12070.4
		Total		12070.4
'C' PRELIMINARY WORK FOR 19.7 HA.				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	Survey and demarcation including fixing of boundary marks at strategic points.	2	368	7249.60
2	Jungle clearance, burning and preparation including stacking pit digging, hoeing etc.	24	4416	86995.20
3	(i)Construction of camp hut and inspection paths	8	1472	28998.40
	(ii) Construction of inspection path.	3	552	10874.40
	(iii) Procurement of tools and plants.	3	552	10874.40
	'C' TOTAL IN THE PRELIMINARY	40	7240	142628.00
		Total		142628.00
D' CREATION – (FIRST YEAR OF PLANTATION)				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	Planting of Nursery seedlings including carriage from Nursery Centre to plantation sites and proper ramming after planting etc.	16	2944	57996.8
2	Weeding – 3 weeding @ Rs 1500/- per weeding per hac	45	8280	163116
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	1288	25373.6
	(ii) Fire line clearance internal and external fire line including controlled burning.	7	1288	25373.6
	'D' TOTAL IN THE FIRST YEAR	75	13800	271860
	Add 10% escalation			27186
		Total		299046

SECOND YEAR OF PLANTATION				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	2 (Two) weedings @ 1500/ p.w.	30	5520	108744
2	<u>Fire Protection</u>	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
3	Vacancy filling in mortality area	4	736	14499.2
	'E' TOTAL IN THE SECOND YEAR OF PLANTATION.	48	8832	173990.4
	Add 20% escalation			34798.08
		Total		208788.48
THIRD YEAR OF PLANTATION				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	2 (Two) weedings @ 1500/ p.w.	30	5520	108744
2	<u>Fire Protection</u>	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
3	Vacancy filling in mortality area	4	736	14499.2
	TOTAL IN THE THIRD YEAR OF PLANTATION.	48	8832	173990.4
	Add 30% escalation			52197.12
		Total		226187.52
FOURTH YEAR OF PLANTATION				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	<u>Fire Protection</u>	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance.	7	1288	25373.6
	TOTAL IN THE FOURTH YEAR OF PLANTATION.	14	2576	50747.2
	Add 40% escalation			20298.88
		Total		71046.08

FIFTH YEAR OF PLANTATION				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	Fire Protection	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
2	Cost of singling out operation to provide proper spacing from one plant to another	6	1104	21748.8
	TOTAL IN THE FIFTH YEAR OF PLANTATION.	20	3680	72496
	Add 50% escalation			36248
		Total		108744
SIXTH YEAR OF PLANTATION				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	Fire Protection	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
	TOTAL IN THE SIXTH YEAR OF PLANTATION.	14	2576	50747.2
	Add 60% escalation			30448.32
		Total		81195.52
SEVENTH YEAR OF PLANTATION				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	Fire Protection	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
	TOTAL IN THE SEVENTH YEAR OF PLANTATION.	14	2576	50747.2
	Add 70% escalation			35523.04
		Total		86270.24
EIGHTH YEAR OF PLANTATION				
Sl no	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	Fire Protection	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
	TOTAL IN THE EIGHTH YEAR OF PLANTATION.	14	2576	50747.2
	Add 80% escalation			40597.76
		Total		91344.96

<u>NINTH YEAR OF PLANTATION</u>				
	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	<u>Fire Protection</u>	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
	TOTAL IN THE NINTH YEAR OF PLANTATION.	14	2534	49919.8
	Add 90% escalation			44927.82
		Total		94847.62
<u>TENTH YEAR OF PLANTATION</u>				
	Items of works	Mandays / ha	Rate per bed	Cost for 19.7 ha
1	<u>Fire Protection</u>	7	1288	25373.6
	(i) Wages of fire watchers.			
	(ii) Fire line clearance including controlled burning.	7	1288	25373.6
	TOTAL IN THE TENTH YEAR OF PLANTATION.	14	2534	49919.8
	Add 100% escalation			49919.8
		Total		99839.6
	TOTAL OF A+B+C+D+E+F+G+H + I + J +K+L+M =			1752100.42
	plantation watcher			738300
	Cost of purchasing vehicle			800000

Grand Total =

3290400.42

Say

3290400.42

(Rupees Thirty two lakh ninety thousand four hundred) only


Divisional Forest Officer,
Khasi Hills (T) Division
Shillong

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