

Model estimate for Creation of Nursery for raising Salplantation(seedlings) of 1.00 ha.=1600 nos seedlings(extra

20%= total 1920 nos,sal and sal associate seedlings) (Advance Work)under Division : Rupnarayan, Range:

Hoomgarh, Beat: Baromesia, Mouza-Baromesia-234, Plot No-245, District: Paschim

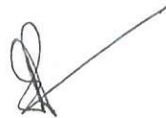
Description	Unit	Quantity		Proposed Unit Price		Proposed cost (Rs/per Ha.)	
		Labour	Material	Labour	Material	Labour	Material
A Nursery Works:							
1 Cleaning nursery site & digging tube bed.	Man-day	2		216		432	
2 Cost of making kuchha well for supplying water to nursery seedlings	Man-day	4		216		864	
3 Filling up poly pots with cowdung manure:burn rice husk:coarse sand, 1:1:1.	Man-day	6		216		1296	
4 Collection of Seed.	Man-day	3		216		648	
5 Dibbling / sowing of seed in tube beds	Man-day	2		216		432	
6 making nursery hut with mud wall & thatch roof	Man-day	3		216		648	
7 Making nursery shed with local brushwood etc.	Man-day	2		216		432	
8 Cost of watering weeding, cleaning & watching etc.	Man-day	7		216		1512	
9 Sorting shifting & cutting of seedlings for 2 times	Man-day	3		216		648	
10 Making fencing around nursery with brushwood, bamboo etc.	Man-day	2		216		432	
11 Cost of poly thene tube: 4 kg @ 150/-	KG		4				660
12 Cost of Cowdung manure, sand, good earth 2.675m3@ 800/-m3	m3		2.675				2354
13 Cost of supplying seeds.	LS						1320
14 Cost of supplying watering can, bamboo, thatch, rope etc.	LS						440

**Estimate for Compensatory Afforestation under Division :
Rupnarayan, Range: Hoomgarh, Beat: Baromesia, Mouza-Baromesia-
234, Plot No-245, District: Paschim Medinipur.Total area=1.00 Ha.**

Description	Unit	Quantity		Proposed Unit Price		Proposed cost (Rs/per Ha.)		
		Labour	Material	Labour	Material	Labour	Material	Total
<u>I. Advance Soil Work</u>								
1 Survey and demarcation of the plantation area	man-day	2		216		432		432
2 Through Cleaning including uprooting of the planting site	man-day	26		216		5616		5616
3 Alignment of plantaing lines and staking the pit positions	man-day	2		216		432		432
4 Advance soil works by digging planting pits of size (0.90+0.60)/2 X 0.60X0.60m3 at 2.5X2.5m spacing (1600nos.)	man-day	16		216		3456		3456
Sub total of I		46				4320	0	9936
<u>II. Creation works - Sal Plantation</u>								
4 Filling up of planting pits with dug up pulverized soil.	man-day	25		216		5400		5400
5 Staking the seedings for plantation	man-day	2		216		432		432
6 Transplanting of potted seedlings in pits, including carriage	man-day							
7 Planting of potted seedlings in pits, including carriage, from field nursery to planting site	man-day	25		216		5400		5400
8 Vacancy infilling including application of insecticided fertilizer etc.	man-day	3		216		648		648
9 Sowing Arhar seeds for raising nurse crop	man-day	4		216		864		864
10 1st Mulching, weeding, cleaning and application of fertilizer	man-day	18		216		3888		3888
11 2nd Mulching, weeding, cleaning and application of fertilizer	man-day	16		216		3456		3456
12 3rd Mulching, weeding, cleaning	man-day	10.00		216		2160		2160
13 Making 3m wide inspection path and cutting firelines	man-day	4		216		864		864
14 Erection of barbed wire fencing including carriage of fencing posts	man-day	6		216		1296		1296
15 Making trenches along the coutour,across the slope of size 0.45m X 0.45mx L of appropriate running Metre	man-day	60		216		12960		12960
16 Watering, the seedlings in the field during dry spell with 15 days interval, as and when required	man-day	30		216		6480		6480
17 Cost of fencing post	L.S		1		1650		1650	1650
18 Cost of barbed wire along with plain wire all complete with appropriate running metre	L.S		1		6890		6890	6890
19 Cost of Arhar seeds	L.S		1		165		165	165
20 Cost of carriage of manure, insecticide, post, fencing materials and other contingencies.	L.S		1		1188		1188	1188
21 Protection,Watch and Ward for the plantation over 1 year	L.S				6011		6011	6011

22	Cost of Cowdung manure,Neem oil cake,organicand and inorganic fertilizer fertilizer	L.S				3928		3928	3928
	Sub total of II		203				43848	19832	63680
	Sub total of I + II		249				48168	19832	73616
	Add Nursey Cost for 1 ha= 1600 Nos Seedlings								21739
	<u>1st year maint- sal plantation</u>								21300
	<u>2nd year maint- sal</u>								15820
	<u>3rd year maint- sal</u>								14000
	<u>4-10 th year maintenance- sal</u>								105000
	<u>Add extra 15% as increased labour rate</u>								37721
	<u>contingency 03%</u>								10804
	Grand Total								300000

Rs.300000/=(Rupees Three Lakh only)



Divisional Forest Officer
Rupnarayan Division
Rangamati, Midnapore

Checked

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Model estimate for maintenance Sal seedlings for raising of 1.00 ha plantation. = 1600 nos seedlings (extra 20% = total 1920 nos, sal and sal associate seedlings)
(Advance Work) under Division : Rupnarayan, Range: Baromesia, Mouza-Baromesia-234, Plot No-245, District: Paschim

Sl No.	Particulars of works Description	No. of MD Unit	Rate		Proposed Unit Price		Proposed cost (Rs/per Ha.)	
			Labour	Material	Labour	Material	Labour	Material
A	Nursery Works: Labour Component							
1	Cost of watering weeding, clearing, watering and shorting shifting, culling over 6(six) times throughout 1 (one) year.	Man-day	30		216		6480	6480
9	Repairing fencing around nursery with brushwood, bamboo etc.	LS					220	220
2	Cost of Cowdung manure, sand, good earth .675m3@ 800/-m3	m3		0.675			594	594
4	Cost of supplying watering can, bamboo, thatch, rope etc.	LS					290.4	290
	Total						6480	1104.4
								7584

for 1600 nos (extra 20% = total 1920 nos seedlings) . of seedlings

Present Rate
Rs. 3.95/ per seedlings.

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Rangamati, Midnapore

Description	Unit	Quantity		Proposed Unit		Proposed cost (Rs/per Ha.)		
		Labour	Material	Labour	Material	Labour	Material	Total
III 1st year maint- sal								
Cost of weeding, cleaning								
31 ,mulching and manuring-three times	man-day	38		216	0	8208	0	8208
Cost of infilling including digging pit, carriage of plantation	man-day	5		216	0	1080	0	1080
33 Cutting of firelines 3m-wide for protection against fire	man-day	4		216	0	864	0	864
watering planted seedlings every 15 days for 6 time during April to June	man-day	40		216	0	8640	0	8640
Cost of fertilizers @ 50 gm/plnt								
35 and Organic manure including carriage upto the site	L.S	1		0	1980	0	1980	1980
Cost of insecticide and pesticide etc	L.S	1		0	528	0	528	528
Sub total of III		87				18792	2508	21300
IV 2nd year maint- sal								
plantation								
Cost of weeding, cleaning								
37 ,mulching and application for fertilizer	man-day	14		216	0	3024		3024
Fireline cutting to prevent from accidental fire destruction	man-day	6		216	0	1296		1296
Watering planted seedlings every 18 days for 5 time during April to June	man-day	42		216	0	9072		9072
Cost of fertilizers @ 100 kgs/ha	kg	100			1758		1758	1758
Contingency, i.e:reparing of fence etc	L.S	1			670		670	670
Sub total of IV		62				13392	2428	15820

V 3rd year maint- sal

plantation

42	Cost of weeding, cleaning mulching and application for fertilizer	man-day	8	216	1728	1728
43	Fireline cutting to prevent from accidental fire destruction	man-day	5	216	1080	1080
44	Watering planted seedlings every 18 days for 5 time during April to June	man-day	42	216	9072	9072
45	Cost of fertilizers @ 100 kgs/ha	kg	100	1720	1720	1720
46	Contingency, i.e. repairing of fence etc	L.S	1	400	400	400
	Sub total of V		55	11880	2120	14000
	Grand total		332	44064	7056	51120



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