

Model Estimate for Plantation for one Labour of Working Period 100 days

Spacing of Plant 2.50 metre x 2.50 metre

Number of Plants = 400 nos.

Area of Plantation = 0.25 hectre

A) Field work for Plantation :-

1. Survey and demarcation @ 2 m.d/Hectre	=	0.500 mandays
2. Cleaning of plantation area by cutting bushes, Weeds etc. @ 8 m.d/Hectre	=	2.000 "
3. Digging pits for planting 400 nos. Pits (45 cm x45 cm x 45 cm) @ 30 pits / manday	=	13.330 "
4. Filling up planting pits including mixing of manure Etc. @ 120 pits / manday	=	3.330 "
5. Planting potted seedlings including carriage for Nursery @ 75 plant / manday	=	5.333 "
6. Application of Insecticide including carriage of water And mixing. @ 2 mandays / Hectre	=	0.500 "
7. 1st weeding and mulching and application of fertilizer. @ 1 manday / 100	=	4.000 "
8. 2 nd weeding and mulching @ 1 manday /110 plants	=	3.636 "
9. Thorough cleaning by cutting woody shrubs, bushes And removing them. @ 12.50 manday / Hectre	=	3.125 "
10. Erection of bamboo fencing on vulnerable points to Protect against grazing @ 240 manday / Hectre	=	60.000 "
11. Watering on seedlings. @ 10 manday / Hectre	=	2.500 "
12. Infilling vacancy with potted seedlings (L.S)	=	1.000 "

99.254 Mandays

(say 100 Mandays)

@ 81/- per Manday = **Rs. 8,100.00**

B) Cost of Materials :-

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|---|---|-------------|
| 1. Seedlings = 400 nos. + 10% = 440 nos.
@ Rs. 3/- each | = | Rs. 1320.00 |
| 2. Organic Manure @ 100 gram / plant =
40 kg. @ Rs. 70/- per kg. | = | Rs. 2800.00 |
| 3. Chemical Fertilizer @ 100 gm / plant
= 44 kg @ Rs. 10/- per kg. | = | Rs. 440.00 |
| 4. Insecticides (L.S 100 gram) | = | Rs. 50.00 |
| 5. Bamboos for fencing (L.S 40 nos.)
@ Rs. 70/- each | = | Rs. 2800.00 |
| 6. Nails, wire etc. (L.S) | = | Rs. 100.00 |

Rs. 7,570.00

So, Total cost = (A+B) = (8100.00+7510.00) = Rs. 15610.00

Add 2% (+) = Rs. 3122.00

Rs. 18,732.00

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14/10/2019