

Convergence scheme on Cultivation of Tissue Culture Banana

Area: 1 Bigha (1333 m²)

Crop: TC Banana; Variety: Grand Naine

Spacing: 1.8 m x 1.8 m; No. of Plants: 412/Bigha

| Sl. No. | Particular | Quantity | Rate | Labour Component | Materiel Component | Contribution from |
|--------------------------------|--|-------------|-----------------------------|---------------------|---------------------|-------------------|
| Plantation | | | | | | |
| 1 | Survey, Demarcation, Cleaning | 2 Nos. u/s | Rs. 174/MD | Rs. 348.00 | | MGNREGA |
| 2 | Land leveling and preparation | 3 Nos. u/s | Rs. 174/MD | Rs. 522.00 | | MGNREGA |
| Total no of pit:83 nos. | | | | | | |
| 5 | Pit digging (1.5'x1.5'x1.5') | 20 nos. u/s | Rs. 174/MD | Rs. 3480.00 | | MGNREGA |
| 6 | Mixing soil with fertilizers and manure | 8 nos. u/s | Rs. 174/MD | Rs. 1392.00 | | MGNREGA |
| 7 | Filling up of pits | 8 nos. u/s | Rs. 174/MD | Rs. 1392.00 | | MGNREGA |
| 8 | Plantation@50pit/MD | 8 nos. u/s | Rs. 174/MD | Rs. 1392.00 | | MGNREGA |
| 9 | Organic manure (Cow-dung@ 4Kg/Pit) Fertilizers (Urea-550g, SSP-500g, MOP-700g) & Micronutrients | | Rs. 8.00/ plant | | Rs. 3296.00 | MGNREGA |
| | | | Rs. 12.00/Plant | | Rs. 4944.00 | MGNREGA |
| 10 | Planting Materials | 412 Nos. | Rs. 13.00/Plant | | Rs. 5356.00 | NHM |
| 11 | Plant protection materials with application | 10 Nos. u/s | Rs. 174/MD Rs. 2.00/ pl. | Rs. 1740.00 | Rs. 824.00 | MGNREGA |
| 12 | Irrigation | 10 Nos. u/s | Rs. 174/MD | Rs. 1740.00 | | MGNREGA |
| 14 | Weeding & other inter-culture operation | 20 Nos. u/s | Rs. 174/MD | Rs. 3480.00 | | MGNREGA |
| 15 | Supervisor | 4 Nos. s/s | Rs. 261.00/MD | Rs. 1044.00 | | MGNREGA |
| | Total | | | Rs. 16530.00 | Rs. 14420.00 | |
| | Grand Total | | | Rs. 30950.00 | | |

Production of 2nd and 3rd Crop

| Component | Cost (Rs.) |
|----------------------------|-----------------|
| Manures and Fertilizers | 4000.00 |
| Plant Protection Chemicals | 2000.00 |
| Irrigation | 2000.00 |
| Labour | 6000.00 |
| Miscellaneous | 1000.00 |
| Total | 15000.00 |

Total Cost for successive three crops: Rs. 30950.00 + Rs. 1500.00 0x 2= **Rs. 60950.00**

Income in 2 years

| Crop | Number of Bunch | Rate | Total Income |
|----------------------|-----------------|--------|------------------|
| 1 st Crop | 400 | 150.00 | 60000.00 |
| 2 nd Crop | 400 | 160.00 | 64000.00 |
| 3 rd Crop | 400 | 170.00 | 68000.00 |
| Total Income | | | 192000.00 |

The tissue culturally propagated banana plants will be productive for 3 successive crops. The 1st Crop will be available 11-12 months after planting; 2nd Crop 6 months after 1st Crop and 3rd crop 6 months after 2nd Crop. Hence within a period of 2 years 3 crops will be available.

Profit & Loss Calculation for initial 15 years (1 Bigha):

Net Profit: Return-(Operational Cost +Project Cost) =Rs. 131050.00

Net Profit Per year = Rs. 65525.00


Scheme contribution:

| Scheme | Labour component | Material component | Total | Remarks |
|--------------|------------------|--------------------|-----------------|--|
| NHM | Nil | 5356.00 | 5356.00 | |
| MGNREGA | 15486.00 | 10108.00 | 25594.00 | Material includes charge of supervisor |
| Total | 15486.00 | 15464.00 | 30950.00 | |

MGNREGA Breakup

Labour component : 60.5%

Material component : 39.5 %


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