**TYPICAL ESTIMATE FOR SEEDLING RAISING OF**

**100000 NOS OF VETIVER**

Area required: 1 Bigha

No. of seedling - 1,00,000

**A. Labour Component :**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Description of Item** | **Quantity of Mandays** | **Unit** | **Rate / Labour (in Rs.)** | **Amount (in Rs.)** |
| 1 | Cleaning and demarcation of mother bed | 4 | Nos | 180.00 | 720.00 |
| 2 | Preparation of mother bed including ploughing tillering leveling and weeding etc. | 20 | Nos | 180.00 | 3600.00 |
| 3 | Nursery of mother slips | 60 | Nos | 180.00 | 10800.00 |
| 4 | Separation of slips from mother slips and transplanting in poly pack. @ 500 nos of sapling for 1USK LB | 200 | Nos | 180.00 | 36000.00 |
| 5 | Preparation 1454 cft of soil for poly pack, filling the poly pack with  Nursery slips including watering, cleaning, weeding, etc @ 3 cft. / USK | 485 | Nos | 180.00 | 87300.00 |
| 6 | Fencing of the Nursery Field | 15 | Nos | 180.00 | 2700.00 |
| 7 | Watcher for 2 month (1USK/DAY) | 60 | Nos | 180.00 | 10800.00 |
| Total | | 844 |  | 180.00 | 151920.00 |

**B. Material Component :**

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| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Meterial** |  | **Quantity** | **Unit** | **Rate** | **Amount** |
| 1 | Cost of Planting Material (Only 1st time required) |  | 10,000.00 | Nos | 2.50 | 25,000.00 |
| 2 | Cost of Poly Pack |  | 50.00 | P/Kg. | 200.00 | 10,000.00 |
| 3 | Cost of Supervisor (25 man days=1) (Semi Skilled) |  | 41.00 | Nos | 264.00 | 10,824.00 |
| 4 | Cost of Fencing Materials Sutli, Bamboo etc. |  | L.S | | | 4,000.00 |
|  |  | Total |  |  |  | 49,824.00 |

Total Projected Cost Total = A+B = 201744.00

Rupees :Two Lakh one Thousand seven Hundred and fortyfour only

Wage Cost : Non Wage Cost = 75 : 25

Total volume of Soil to be prepared filled in poly packed : 25% of soil in

1,00,000 poly pack of size 0′-4″ diameter & 0′-8″ long = 1454 cft.

**Typical Estimate of Vetiver Plantation**

**500 Running Meters**

Area required : 1 Bigha

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Leangth of Row :- 500 | Breadth of Bank |  | = 4.50 Mtr | No. of Row = 16.00 |
| Total Plantation Length = | 500 x | 16.00= | 8000.00 Mtr. |  |
| No of plant required @ 0.30 m C/C | = 8000.00 Mtr | /0.30 = | 26666 + 16.00 | = 26682 |
| Total Fencing Length = | 1 x | 500 Mtr | = 500.00 Mtr | + 2 x 4.50 = 509 m |

**A - LABOUR COMPONENT**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Description of Item** | **Out put of**  **Work/Mandays** |  | **Total Quantity** | | | | **Unskilled Labour** | **Rate** | **Amount (Rs.)** |
| **No** | **Length (m)** | **Breadth (m)** | **Height (m)** | **Qty.** |
| 1 | Survey and demarcation | 75 Mtr / Usk | 1 | 500 |  |  | 500.00Mtr | 6.67 Nos | @ 180.00 /Usk | 1200.60 |
| 2 | Initial cleaning of plantation Site by cutting bushes, weeds and removing the same (Survey and demarcation). | 50.00 Sqm / Usk | 1 | 500 | 4.50 |  | 2250.00 Sqm | 45.00 Nos | @ 180.00 /Usk | 8100.00 |
| 3 | Labour required for bed preparation and for planting | 10.00 Sqm / Usk |  | 500 | 4.50 |  | 2250  Sqm | 225 Nos | @ 180.00 /Usk | 40500.00 |
| 4 | Collecting of local Ipomea(min length 4ft) | 150.00 No / Usk |  |  |  |  | 50.00 No. | 0.33 Nos | @ 180.00 /Usk | 59.40 |
| 5 | Planting Ipomea bars | 50.00 No / Usk |  |  |  |  | 50.00 No. | 1.00 Nos | @ 180.00 /Usk | 180.00 |
| 6 | Planting Vetiver | 150 Plants / Usk | 26682.00 |  |  |  | 26682 Nos | 178 Nos | @ 180.00 /Usk | 32040.00 |
| 7 | Labour required for (Ipomea & Bamboo)Jeora fencing | @ 10 m / Usk |  |  |  |  | 509 Mtr. | 50.90 Nos | @ 180.00 /Usk | 9162.00 |
| 8 | Labour required for 1st cleaning, mulching and cutting works @ 10 Nos for 500 mtr |  |  |  |  |  | 500.00 Mtr. | 10 Nos | @ 180.00 /Usk | 1800.00 |
| 9 | Labour required for 2nd cleaning, mulching and cutting works @ 10 Nos for 500 mtr |  |  |  |  |  | 500.00 Mtr. | 10 Nos | @ 180.00 /Usk | 1800.00 |
| 10 | Labour required for 3rd cleaning, mulching and cutting works @ 10 Nos for 500 mtr |  |  |  |  |  | 500.00 Mtr. | 10 Nos | @ 180.00 /Usk | 1800.00 |
| 11 | Labour required for 4rth cleaning, mulching and cutting works @ 10 Nos for 500 mtr |  |  |  |  |  | 500.00 Mtr. | 10 Nos | @ 180.00 /Usk | 1800.00 |
| 12 | Watcher/Maintanance/ Miscellaneous work by SHG for 120 days | 1 Usk / day/500 Mtr. |  | | |  | 120 | 120 Nos | @ 180.00 /Usk | 21600.00 |
| TOTAL WAGE COMPONENT = | | | | | | | | 666.90 Nos |  |  |
| Say = | | | | | | | | 667.00 Nos |  | 120060.00 |

**B. MATERIAL COMPONENT**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **DESCRIPTION** | | | | **Total**  **Quantity** | **Rate** | **Amount (Rs.)** |
| 13 | Plant | 26682 | + 2668 (10% 26682) | 29350 Nos | 29350 Nos | 2.5/Each | 73375.00 |
| 14 | Cost of water pot for irrigation | | | | 5 Nos | Rs = 200.00 / Each | 1000.00 |
| 15 | Jeora fencing at site using Bamboo including nails & wire etc for fitting, fixing, | | | | 509 Mtr | = 15.00 / Mtr | 7635 |
| 16 | Supervise the work, counting the labourers, taking the attendence in masterroll & measurements to execute works technically and other misc. work related to this work.(@ 1-SSk/25-Usk ) | | | | 27 SSK | Rs = 270.00 / Ssk | 7290.00 |
| 17 | Display of permanent sign board 2 Nos | | | | LS | Rs = 500.00 | 1000.00 |
|  | | | | | | | 90300.00 |
|  | | | | | | |  |

**ABSTRACT**

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| **Sl.**  **No.** | **Description of Item** | **Amount** |
| 1 | UNSKILLED LABOUR COMPONENT | 120060.00 |
| 2 | MATERIALS COMPONENT | 90,300.00 |
| 3 | GROSS TOTAL | 2,10360.00 |
| (Rupees Two Lakh Ten Thousand Three Hundred andSixty) only | |  |

**Wage : Material = 57 : 43**