

MODEL ESTIMATE FOR RAISING THIRUGUKALLI (Euphorbia) PLANTATION TO AN AREA OF 5 HA. IN CHINNAIYAMPATTI KARADU RF IN NATHAM RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL DURING 2020-21

Thirugukalli stups planted in one Ha. of plantation = 2000 Nos.
 Thirugukalli stups planted in 5 Ha. of plantation = 10000 Nos.

Labour Wage Rate Dindigul Circle FSR 2020-21 Rs. **441.65 /MD**

Sl. No	Quantity	Details of works	PWD SSR / FSR No.	Rate	Per	Amount
1	5 Ha.	Clearing light jungle in Chinnaiyampatti RF in the planting area	FSR Item No.12.1.3	21031.37	1 Ha.	105157.00
2	10000 Nos	Clearing Thirugukalli bushes in patta lands and dressing the Thirugukalli stumps to the height of 4 feet which includes cost and collection of Thirugukalli stumps	As per datasheet	4.69	1 No	46900.00
3	10000 Nos	Transport of Thirugukalli stumps from patta land to Forest boundary through private tractor includes hire charges, loading and unloading charges	Lowest quotation	1000.00	One tractor load (2000 Nos.)	5000.00
4	10000 Nos	Digging crow bar holes and planting stumps (Thirugukalli)	FSR item No.6.4	3533.20	1000 No	35332.00
5	10000 Nos	Forming semi circular bund to the plants by collecting stone and earth from that area forming a revetment on the lower side	FSR item No.5.25	1271.95	100 No	127195.00
6	3 Kg	Supply of coir pith for mulching purpose. 500 gm coir pith per pit	Lowest quotation	9.00	1 kg	23.00
7	34 days 3400000 Ltrs	Supply of water to the Thirugukalli stumps through private lorry capacity of 20000 ltrs. Weekly twice 10 Ltrs per stumps from December to March 34 days	Lowest quotation	3800.00	1 lorry	1292000.00
8	34 days 20 Nos	Engaging mazdoor for watering the plants by drawing water from lorry (500 plants / mazdoor / watering day)	Approved rate	441.65	1 No 34 days	300322.00
9	LS	Contingencies				3071.00
		TOTAL				1915000.00

I. Clearing light jungle growth:

II. Cost and collection of stumps:

III. Transport of stumps from patta land to Forest boundary includes loading and unloading charges:

IV. Digging crow bar holes and planting stumps during non-rainy season:

V. Forming semi circular bund:

VI. Supply of Coir Pith:

VII. Watering through private lorry:

One plant hold maximum of 10 litre of water. Hence for 10000 Nos of stumps planted in 5 Ha., 34,00,00,000 ltr of water is needed for one watering day. 34 nos. of watering days for weekly twice is necessary for avoiding casulaity of stumps. The local rate for cost of water for 10,000 litre is Rs.2000/-. But it is proposed to carry out the work in Forest area to hire charge for private lorry has to be charged. Hire charge for private lorry is Rs.1800/- for 10000 litre. Therefore cost of water including transport is Rs.3800/- for 10000 ltr of water.

**DISTRICT FOREST OFFICER
DINDIGUL DIVISION,
DINDIGUL**

9/08/22