

ESTIMATE FOR RAISING KILUVAI PLANTATION (*Commiphora caudata*) OVER AN AREA OF 5 HA.
IN CHINNAIYAMPATTI RF OF NATHAM RANGE, DINDIGUL DIVISION, DINDIGUL
DURING 2020-21

Kiluvai stumps planted in one Ha. Of area = 2000 Nos.
 kiluvai stumps planted in 5 Ha. Area = 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	12.1.3	21031.37	1 Ha.	105157.00
2	10000 Nos	Clearing kiluvai bushes in patta lands and dressing the kiluvai stumps to the height of 4 feet which includes cost and collection of kiluvai stumps	As per datasheet	2.35	1 No	23450.00
3	10000 Nos	Transport of kiluvai 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 (Kiluvai)	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	5000 Kg	Supply of coir pith for mulching purpose. 500 gm coir pith per pit	Lowest quotation	9.00	1 kg	45000.00
7	34 days 3400000 Ltrs	Supply of water to the Kiluvai 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				2544.00
		TOTAL				1936000.00

Specification:

I. Clearing light jungle growth:

Clearing light jungle growth in the planting area, Rate requested as per Dindigul Circle FSR item No.12.1.3. Rs.21031.37/ Ha.

II. Cost and collection of stumps:

Kiluvai is a thorny species and it is laborious work to cut and collect Kiluvai stumps. There is no specific provisions in FSR and PWDSSR to execute this work. In PWDSSR Annexure I, Schedule item No.2, there is provision for Axe Mazdoor at the rate Rs.469 per day. Kiluvai bushes has to be cleared and the kiluvai stumps to the height of 4 feet has to be dressed. One labour can clear kiluvai bush and dress 200 Nos of kiluvai stumps on one day. Hence collection cost per kiluvai stump is Rs.2.345 (Rs.469/200 Nos)

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

The rate of transport of kiluvai stumps from patta land to Forest boundary (which includes loading and unloading charges on patta land and Forest boundary) is Rs.1000/- quoted for this item of work is based on the lowest quotation.

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

As per FSR 2020-21. The rate requested for digging crow bar holes and planting stumps FSR Item No.6.4 @ Rs.3533.20/1000 Nos.

V. Forming semi circular bund:

Since Planting works are carried out during summer season, watering to the planted stumps is very essential. To hold the water, forming semi circular bund for each stump is very essential. The rate quoted in this model estimate is Rs.916.56 per 100 Nos. as per approved FSR.

VI. Supply of Coir Pith:

Planting works carried out during summer season, applying of coir pith for every pit for avoiding water loss. This coir pith improves the water holding capacity (more than 5 times its dry weight) contributing towards increased soil moisture. 500 gm coir pith for each fit and a total quantity of 1000 kg for 2000 Nos. of stumps. The rate quoted for this work is based on the lowest quotation from local sources.

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.

Vijay
4/8/2022
**DISTRICT FOREST OFFICER
DINDIGUL DIVISION,
DINDIGUL**

6/
24/08/22