

TAMILNADU FOREST DEPARTMENT

From
Thiru.S.Prabhu,IFS,
District Forest Officer,
Dindigul Forest Division,
Dindigul-624 004.

To
The Chief Conservator of Forests,
Dindigul Circle,
Dindigul.

C.No. 4581/2017/ D1 dated: .10.2021

Sir,

Sub: Forests – Forest (Conservation) Act, 1980 – Dindigul Circle /
Dindigul Forest Division – Proposal for diversion of 1.68 Ha. of
forest land for road up gradation of black top road from the foot
hills of L.Malaiyur to L.Malaiyur Village – Online proposal
submission by the User Agency i.e.,DRDA – A.E., Natham Union
Office Dindigul District on behalf of DRDA, Collectorate, Dindigul
District, Pin Code 624004 – Regarding.

Ref: Principal Chief Conservator of Forests, Chennai
C.No.TS4/31700/2017 dated:27.09.2021.

I submit that the, report called for in the reference cited above is
furnished in respect of Dindigul Forest Division.

- (a) Correct KML file of the forest area proposed for diversion may be
furnished and the same shall be uploaded along with the online
application in the PARVESH Web Portal.

***Correct KML file is enclosed and the same was uploaded in
Part-I proposal of PARIVESH Web Portal.***

- (b) The District Forest Officer, Dindigul Forest Division has reported that no
rare / endangered / unique species of flora and fauna in the area and
also no threat to major wildlife species. However, the District Forest
Officer in Part-II of the online application reported that fauna like Bison,
Fox, Wild boar, Hare Porcupine are present in and around the forest land
proposed for diversion. Hence, may clarify whether any schedule-I wild
animals are present in the forest area proposed for diversion, if so, may
kindly prepare wildlife mitigation plan and same may be submitted to

this office along with the comments of Chief Wildlife Warden regarding impact of the road proposal on wildlife and its habitat.

The proposed site is situated in L.Maliyur of Perumalai RF and presence of Indian Gaur, schedule-I species in the said proposed site. Hence, the following mitigation measures will be made for improvement of the habitat of wild animals in the proposed site.

Mitigation Measures :

The project executing authority was requested to provide necessary following mitigation measures such as:-

1. Clearing of Lantana will be made on either side of the road in 20 Ha. area and will be planted some fodder species.
2. In order to improve the habitat of the Schedule-I animals, estimate for raising fodder plantations to the Schedule-I existing in the area of 20 Ha. and 10 years maintenance are proposed.
3. Providing fencing on either side of road boundary with a minimum length of 500 m. in each side by covering the reserve forest land to be diverted for road in 2520 m.
4. Check Dams will be constructed on either side of the road for increasing the water resources for the fauna species.
5. Necessary Speed Controlling measures (Barricades and Speed Breaker) to be implemented.
6. Necessary awareness board and sign boards to be erected.
7. Information boards, such as "No sound Horn please" etc., to be erected.

The above Mitigation Plan was accepted by the User Agency and submitted as an undertaking (Copy enclosed).

This is favour of kind information.

O/E

Yours faithfully,

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28/10/21

District Forest Officer,
Dindigul Division, Dindigul.

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28/10/21

Encl: As stated above.,

Proposal for the Forest Clearance for the Providing New B.T road at L.Malaiyur Forest road from foot of the Perumali Hill to the L.Malaiyur at Perumalai Reserved Forest at Lingavadi Village in Natham Taluk, Dindigul District.(L.Malaiyur Forest road up to Rajakadu KM 0/0 -2/800).

ANNEXURE - XXII

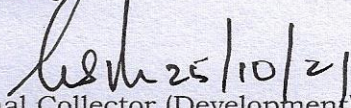
UNDERTAKING

Following provision for the Wild animals :-

Certified that the following amount to be spent for mitigation of measure will be made for improve the habitat of wild animals.

| Sl.No | Name of the Work | Estimate Amount in Rs |
|--------------|---|------------------------------|
| 1 | Estimate for the raising Misc.Plantation over an area of 10.00H.A in Degraded forest selected on both sides of L.Malaiyur road in foot hills of Perumalai RF (No of seedlings to be planted 2000Nos @ 200 seedings / Ha.) | 29,06,250 |
| 2 | Model Estimate for the removal of Lanatana (10 Ha) (Heavy growth) in Dindigul Forest Division,Dindigul. | 4,60,250 |
| 3 | Model Estimate for the Construction of Cement Check Dam (1 No) at Malaiyur road at Alagarkovil Range | 5,00,000 |
| 4 | Model Estimate for providing chain line Fencing (1 KM) at L.Malaiyur road of Alagarkovil Range | 25,00,000 |
| | TOTAL AMOUNT | 63,66,500 |

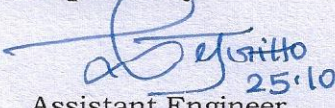
Checked by


Additional Collector (Development),

Dindigul DRDA Office,

Dindigul District.

Prepared by


Assistant Engineer,

Shanarpatti Union Office,

**UPGRADATION OF BLACK TOP ROAD FROM FOOT HILLS OF L. MALAIYUR
TO L. MALAIYUR VILLAGE UNDER SECTION (2) OF FOREST
CONSERVATION ACT 1980**

**ESTIMATE FOR RAISING MISC. PLANTATION OVER AN AREA OF 10.00 HA.
IN DEGRADED FOREST SELECTED ON BOTH SIDES OF L. MALAIYUR ROAD
IN FOOT HILLS OF PERUMALAI RF (No. of seedlings to be Planted 2000 Nos. @
200 seedlings / Ha.)**


| Sl. No. | Quantity | Name of work | Pro-rata / ha. | Amount (in Rs.) |
|---------|-----------|---|----------------|--------------------|
| 1) | 10.00 Ha. | Removal of lantana and invasive alien species in heavy growth | Rs.46025/ Ha. | 460250 |
| 2) | 10.00 Ha. | Cost of raising Misc. plantation | Rs.68400/ Ha. | 684000 |
| 3) | 10.00 Ha. | Cost of first year maintenance | Rs.58100/ Ha. | 581000 |
| 4) | 10.00 Ha. | Cost of Second year maintenance | Rs.57100/ Ha. | 571000 |
| 5) | 10.00 Ha. | Cost of Third year maintenance | Rs.61000/ Ha. | 610000 |
| | | Total Rs. | | 2906250 |

Rs.2906250/-

(Rupees Twenty Nine Lakhs Six Thousand Two Hundred and Fifty only)

Justification

The Plantation will be raised on either side of the L. Malaiyur road in the foot hills of Perumalai RF in Alagarkovil Range. The maintenance of plantation is requested in this estimate for period of 3 years. This estimate is prepared based on field condition.


**DISTRICT FOREST OFFICER
DINDIGUL DIVISION
DINDIGUL**


Model Estimate for removal of Lanatana (Heavy growth) in Dindigul Forest Division, Dindigul

| S. No | Quantity | Description of works | Authority | Rate | Per | Amount (Rs.) |
|-------|-------------------|---|--|-------|--------------|---------------|
| 1 | 10 Ha. 100 MDS | Initial year removal Heavy growth of Lantana in the Forest areas of Dindigul Forest Division, Dindigul. | Dindigul Circle FSR 2021-22 Item No: 12.1.1 | 46025 | 1 Ha | 460250 |
| | | | | | Total | 460250 |

(Rupees Nine Lakhs Twenty Thousand and Five Hundred only)

Specification:

It is submitted that the guidelines issued vide Ref.No. TBGP14/B/1879/2012, Dt.27.06.2014 states that if the density of the lantana shrubs is found to be less than 1000 plants per Ha, it is categorised as Heavy density. The Forest Schedule of Rate for the year 2021-22 for Dindigul circle prescribes 100 Man Days/Ha for removing lantana in Heavy Growth category.


District Forest Officer
Dindigul Division,
Dindigul.

**MODEL ESTIMATE FOR RAISING TALLER SEEDLINGS NURSERY FOR PLANTING
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Seedlings Raised in 10.00 ha. 2000
 Casualty 10% 200
 Total seedlings 2200
 Wage Rate (2021-22) Rs. 460.25

Name of species to be planted

Miscellaneous seedlings

| Sl. No. | Quantity | Description of work | FSR Item No. | FSL | Rate | Per | Amount (Rs.) |
|---------|-----------------------------------|--|--------------------|-------|---------|--------------------|--------------|
| 1 | 300 M ² | Preparation of nursery site by clearing and levelling the site for forming standard bed of size 10 m X 1m | 4.1 | 2.42 | 1113.81 | 200 M ² | 1671.00 |
| 2 | 4 Kgs. | Cost of seeds | L.R. | | 150.00 | 1 Kg | 600.00 |
| 3 | | Cost of polythene bags | | | | | |
| | 2000 Nos. | 13 X 25 X 250 G Poly bags | Tender rate 14-15 | | 647.85 | 1000 Nos. | 1296.00 |
| 4 | 3 Beds | Forming of germination bed of size 10 m X 1 m X 30 cm by heaping the soil | PWD SSR Item No.62 | | 41.85 | 1 each | 126.00 |
| 5 | 3 Beds 15 days | Watering the germination beds twice daily with rosecan - 15 days. | 4.5.1 | 0.82 | 377.41 | 10 beds 1 day | 1698.00 |
| 6 | 3 Beds 15 days | Watering the germination beds once daily with rosecan - 15 days. | 4.5.2 | 0.41 | 188.70 | 10 beds 1 day | 849.00 |
| 7 | 2000 Nos. 2.148 M ³ | Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume | MTP ME | | 750.00 | 1 M ³ | 1611.00 |
| 8 | 2000 Nos. 0.54 M ³ | Collection and supply of farmyard manure for filling bags - 1/5th of the total volume | MTP ME | | 750.00 | 1 M ³ | 405.00 |
| 9 | 2000 Nos. | Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heap it at the filling site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure) | 4.6.4 | 4.48 | 2061.92 | 1000 Nos. | 4124.00 |
| 10 | | Watering the container plants with rose cans watering regime as per the TAP ME approved by PCCF No.J1/57395/2003 dated:12.12.03 | | | | | |
| a) | 2000 Nos. 15 days | Watering twice daily | 4.10.4 | 0.23 | 105.86 | 1000 Nos. | 3176.00 |
| b) | 2000 Nos. 30 days | Once daily | 4.11.4 | 0.115 | 52.93 | 1000 Nos. | 3176.00 |
| c) | 2000 Nos. 15 days | Alternate days | 4.11.4 | 0.115 | 52.93 | 1000 Nos. | 1588.00 |
| 11 | 2000 Nos. 1 Shifts | Shifting the container plants, weeding, grading and replacement of casualties in the bags- shifting to done once in 21 days, first shifting not before 45 days after pricking out -5 shifts. | 4.15.4 | 0.51 | 234.73 | 1000 Nos. | 469.00 |

| Sl. No. | Quantity | Description of work | FSR Item No. | FSL | Rate | Per | Amount (Rs.) |
|--|-----------------------|--|-------------------|-------|----------|--------------------------|------------------|
| PART-II BIGGER SIZE BAGS 30 X 45 CM X 600 G | | | | | | | |
| 12 | | Cost of polythene bags | | | | | |
| | 2000 Nos. | 30 X 45 X 600 G Poly bags | Tender rate 14-15 | | 5201.70 | 1000 Nos. | 10403.00 |
| 13 | 18.46 M ³ | Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume (excluding the volume of earth in 13 x 25 cm containers) | LR | | 750.00 | 1 M ³ | 13845.00 |
| 14 | 4.62 M ³ | Cost and transport of Farmacyard manure for filling bags - 1/5th of the total volume | LR | | 750.00 | 1 M ³ | 3465.00 |
| 15 | 2000 Nos. | Preparation of soil mixture by breaking clods. seiving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heapitn at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure) | 4.6.7 | 28.57 | 13149.34 | 1000 Nos. | 26299.00 |
| 16 | 20 Nos. | Labour cost for transplanting seedlings from 13 x 25 cm container bags into 30 x 45 cm containers - 10 Maz /1000 | | | | 460.25 /day 1000 /No. | 9205.00 |
| 21 | | Watering the container plants with rose cans watering regime as per the TAP ME approved by PCCF's ref.No.J1/57395/2003 dated:12.12.2003 | | | | | |
| a) | 2200 Nos. 60 days | Watering twice daily | 4.10.7 | 0.56 | 257.74 | 1000 day | 34022.00 |
| b) | 2200 Nos. 150 days | Once daily | 4.11.7 | 0.28 | 128.87 | 1000 day | 42527.00 |
| 22 | 2200 Nos. 4 Shifts | Shiting the container plance once in 21 days- first shift after 25 days from the date of transplanting 12 times. | 4.15.7 | 2.69 | 1238.07 | 1000 Nos. | 10895.00 |
| 23 | LS | Contingecies such as application of pesticides panchakavya for erection of board etc. and creating awareness | | | | LS | 3550.00 |
| Total | | | | | | | 175000.00 |

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


 District Forest Officer,
 Dindigul Division,
 Dindigul.

**MODEL ESTIMATE FOR RAISING TALLER SEEDLINGS PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of Polythene bags 30 X 45 Cms - 600 Gauge Number of seedlings planted 2000
10% casuality seedlings 200
2200

Wage Rate for 2022-23 Rs. 506.28


| Sl. No. | Quantity | Description of work | FSL | FSR Item No. | Rate | Per | Amount |
|---------|---------------------------|--|-----------|--------------|---------|-----------------------|-----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | 2,000 Nos. | Digging 60 CM3 pits in all types of soils for avenue - non-rainy season | 9.26 | 5..8.1 | 4688.15 | 100 Nos. | 93763.00 |
| 2 | 1,000 Kgs. | Cost fo transport fo poultry manure each plant 500 grams | | LR | 2.50 | | 2500.00 |
| 3 | 2,000 Nos. | Application of poultry manure @500g per plant by mixing in the pit before planting 1 mazdoor | | LR | 2.00 | 1 Nos. | 2000.00 |
| | 1,000 Kgs. | | | | | | |
| 4 | 2,200 Nos. | Cost of bio-fertilzer including cost of application vermicum pit biofertilizer 100 grams | | MTP ME | 7.70 | 1 Nos. | 16940.00 |
| 5 | 2,200 Nos. | Transporting saplings (transported to the radius of 40 Km) excluding loading and unloading | As per ME | | 7.00 | 1 Nos. | 15400.00 |
| 6 | 2,200 Nos. | Loading and unloading the container seedlings (30 x 45 cm) in private lorry upto a lead of 2 Kms. Excluding hire charges for vehicles | 3.29 | 5.11.7 | 1665.66 | 1000 Nos. | 3664.00 |
| 7 | | Distribution of container seedlings in the site container plants | | | | | |
| a) | 2,200 Nos. | Upto 200 Mts. | 15 | 5.16.2 | 7594.20 | 1000 Nos. | 16707.00 |
| 8 | 2,000 Nos. | Planting the container seedlings by refilling the pits of size 60 cm | 1.71 | 5.22 | 865.74 | 100 Nos. | 17315.00 |
| 9 | 200 Nos. | Replacement of casulities by re-opening the failed pits and planting the container plants and refilling the pits (1/2 pitting rate + full planting rate) | 5.23 | | 2647.84 | 100 Nos. | 5296.00 |
| 10 | 2,000 Nos. | Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains | 1.23 | 5.24 | 622.72 | 100 Nos. | 12454.00 |
| 11 | 2,000 Nos. 30 days | Watering the planted seedlings Twice in a week during summer / non-rainy season from December to March @ one mazdoor for 200 plants / watering day (30 watering days). | NHAI ME | LR | 506.28 | 200 Nos. 1 day | 151884.00 |

| Sl. No. | Quantity | Description of work | FSL | FSR Item No. | Rate | Per | Amount |
|---------|----------------------------|--|---------|--------------|---------|-------------|------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 12 | 1,200,000 Ltrs. | Cost of water @ 20 liters per seedlings December to March 4 months) at the rate Twice in a week (20 x 2000 x 30) | NHAI ME | | 1200.00 | 12000 Ltrs. | 120000.00 |
| 13 | 2,000 Nos. 100 days | Engaging protection mazdoor @ 1 mazdoor / 1000 plants from october to March @ 25/days / month | FSR | | 506.28 | 1 No. | 50628.00 |
| 14 | L.S. | Providing publicity / plantation board, planting equipment plant protection and documentation etc., | | L.S | | | 449.00 |
| | | Total | | | | | 509000.00 |

| | | |
|--|-------------|---------------------|
| 1) Estimate for raising nursery | Rs. | 175000.00 |
| 2) Estimate for raising plantation | Rs. | 509000.00 |
| Total Cost for raising plantation in 10.00 Ha. | Rs. | <u>684000.00</u> |
| | for one Ha. | Rs. <u>68400.00</u> |

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


 District Forest Officer,
 Dindigul Division
 Dindigul.

**MODEL ESTIMATE FOR FIRST YEAR MAINTENANCE OF PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of bags: 30CM X45 CM

No. of seedlings planted - 2000
No. of seedlings Survival - 1800
10% Replacement of casualties - 200
4000
2022-23 Wage Rate Rs. 506.28
2023-24 Wage Rate Rs. 556.91

| Sl. No. | Quantity | Description of work | FSR Item No. | FSL | Rate | Per | Amount (Rs.) |
|---|-----------------------|--|-----------------------|-------|---------|----------------------|--------------|
| Raising Nursery | | | | | | | |
| PART-I SMALLER SIZE BAGS 13 X 25 CM X 250 G (3-Months) | | | | | | | |
| 1 | 30 M ² | Preparation of nursery site by clearing and levelling the site for forming standard bed of size 10 m X 1m | 4.1 | 2.42 | 1225.20 | 200 M ² | 184.00 |
| 2 | 1 kgs | Cost of seeds | L.R. | | 150.00 | 1 kg | 150.00 |
| 3 | 200 Nos. | Cost of polythene bags 13 X 25 X 250 G Poly bags | Tender rate 2014-15 | | 647.85 | 1000 Nos. | 130.00 |
| 4 | 1 Nos. | Forming of germination bed of size 10 m X 1 m X 30 cm by heaping the soil | PWD SSR Item No.62 | | 41.85 | 1 each | 42.00 |
| 5 | 1 Beds 15 days | Watering the germination beds twice daily with rosecan - 15 days. | 4.5.1 | 0.82 | 415.15 | 10 beds | 623.00 |
| | 1 day | | | | | | |
| 6 | 1 Beds 15 days | Watering the germination beds once daily with rosecan - 15 days. | 4.5.2 | 0.41 | 207.57 | 10 beds | 311.00 |
| | 1 day | | | | | | |
| 7 | 0.21 M ³ | Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume | As per MTP ME 2013-14 | | 750.00 | 1 M ³ | 161.00 |
| 8 | 0.05 M ³ | Collection and supply of farmyard manure for filling bags - 1/5th of the total volume | As per MTP ME 2013-14 | | 750.00 | 1 M ³ | 41.00 |
| 9 | 200 Nos. | Preparation of soil mixture by breaking clods, sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heap it at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure) | 4.6.4 | 4.48 | 2268.13 | 1000 Nos. | 454.00 |
| 10 | | Watering the container plants with rose cans watering regime as per the NHAI ME approved by PCCF No.J1/57395/2003 dated:12.12.03 | | | | | |
| a) | 200 Nos. 15 days | Watering twice daily | 4.10.4 | 0.23 | 116.44 | 1000 Nos. | 349.00 |
| | 1 day | | | | | | |
| b) | 200 Nos. 30 days | Once daily | 4.11.4 | 0.115 | 58.22 | 1000 Nos. | 349.00 |
| | 1 day | | | | | | |
| c) | 200 Nos. 8 days | Alternate days | 4.11.4 | 0.115 | 58.22 | 1000 Nos. | 93.00 |
| | 1 day | | | | | | |
| 11 | 200 Nos. 2 Shifts | Shifting the container plants, weeding, grading and replacement of casualties in the bags-shifting to done once in 21 days, first shifting not before 45 days after pricking out -2 shifts. | 4.15.4 | 0.51 | 258.20 | 1000 Nos. 1 shift | 103.00 |
| PART-II BIGGER SIZE BAGS 30 X 45 CM X 400 G (4-Months) | | | | | | | |
| 12 | 200 Nos. | Cost of polythene bags 30 X 45 X 400 G Poly bags | Tender rate 2014-15 | | 5201.70 | 1000 Nos. | 1040.00 |
| 13 | 1.8460 M ³ | Collection and supply of sand, silt and red soil according to the requirement for preparation of soil mixture - 4/5th of the total volume (excluding the volume of earth in 13 x 25 cm containers) | As per MTP ME 2013-14 | | 750.00 | 1 M ³ | 1385.00 |
| 14 | 0.4620 M ³ | Cost and transport of Farmyard manure for filling bags - 1/5th of the total volume | As per MTP ME 2013-14 | | 750.00 | 1 M ³ | 347.00 |

| Sl. No. | Quantity | Description of work | FSR Item No. | FSL | Rate | Per | Amount (Rs.) |
|----------------------------|----------------------|--|---------------------------|-------|----------|---------------------------|--------------|
| 15 | 200 Nos. | Preparation of soil mixture by breaking clods. sieving and mixing of fertile earth (including red soil, silt and sand etc., according to requirements) and farmyard manure at 3:1 ratio, heap it at the fillign site and filling in polythene bags arranging bags in beds and pricking out the seedlings (excluding cost of earth and farmyard manure) | 4.6.7 | 28.57 | 15910.92 | 1000 Nos. | 3182.00 |
| 16(i) | 20 kgs | Cost of Vermicasting @100gm per seedlings | As per Research Wing rate | | 10.00 | 1 kg | 200.00 |
| 16(ii) | 8.000 kgs | Cost of VAM @40gm per seedlings | | | 18.00 | 1 kg | 144.00 |
| 16(iii) | 2.000 kgs | Cost of Azospirillum @10gm per seedlings | | | 27.00 | 1 kg | 54.00 |
| 16(iv) | 2.000 kgs | Cost of Phosphobacteria @10gm per seedlings | | | 27.00 | 1 kg | 54.00 |
| 17 | 200 Nos. 2 Maz | Labour cost for transplanting seedlings from 13X25cm containers bags in to 30X45 containers - 10 Maz. /1000 Nos | As per MTP ME 2013-14 | | 556.91 | 10 Maz 1000 Nos. | 1114.00 |
| 18 | 200 Nos. | Cost of vertical stick of size 2.5 Mt. | As per MTP ME 2013-14 | | 6.00 | 1 each | 1200.00 |
| 19 | 100 Nos. | Cost of Horizontal stick | | | 1.00 | 1 each | 100.00 |
| 20 | 200 Nos. | Tying plants to the vertical stick once in a month 2 times | | | 0.20 | 1 each | 80.00 |
| 21 | | Watering the container plants with rose cans watering regime as per the NHA I ME approved by PCCF's ref.No.J1/57395/2003 dated:12.12.2003 | | | | | |
| a) | 200 Nos. 60 days | Watering twice daily | 4.10.7 | 0.56 | 311.87 | 1000 Nos. 1 day | 3742.00 |
| b) | 200 Nos. 60 days | Once daily | 4.11.7 | 0.28 | 155.93 | 1000 Nos. 1 day | 1871.00 |
| 22 | 200 Nos. 2 times | Shiting the container plance once in 21 days- first shift after 45 days from the date of transplanting 2 times. | 4.15.7 | 2.69 | 1498.09 | 1000 Nos. 1 shift | 599.00 |
| 2 | 200 Nos. 90 days | Engaging Nursery protection mazdoor 1 No / 2000 Nos of 30x45cm bags - 210 days (Jan to Mar) | As per MTP ME 2013-14 | 0.01 | | 506.28 /day 20000 /No. | 456.00 |
| 24 | 200 Nos. 120 days | Engaging Nursery protection mazdoor 1 No / 2000 Nos of 30x45cm bags - 210 days (Apr to Jul) | | 0.01 | | 556.91 /day 20000 /No. | 668.00 |
| Nursery Maintenance | | | | | | | |
| 25 | 200 Nos 150 days | Watering the container seedlings with rose cane watering regime as per the NHA I ME approved in PCCF's Ref.No.J1/57395/2003 Dt.12.12.2003) - Once daily - 150 days (Aug to Dec) | 4.11.7 | 0.28 | 155.9348 | 1000 Nos 1 day | 4678 |
| 26 | 200 Nos 6 Shifts | Shifting the container plants once in 21 days. First shift after 45 days from the date of transplanting - 6times | 4.15.7 | 2.69 | 1498.09 | 1000 Nos 1 shift | 1798 |
| 27 | 200 Nos 150 days | Nursery protection mazdoors 1No/2000Nos of 30x45bags (Aug to Dec) | Wage rate | | 556.91 | 20000 No 1 Maz | 835 |
| Planting | | | | | | | |
| 28 | 100 Kgs | Cost and Transport of poultry manure each plants 500gm | LQ | | 1500.00 | 1000 Kgs. | 150.00 |
| 29 | 200 Nos | Application of poultry manure @500 gm per plant by mixing in the pit before planting-1 mazdoor for 200nos | As per MTP ME 2013-14 | | 556.91 | 200 Nos | 557.00 |
| 30 | 200 Nos | Cost of Bio fertilizer including cost of application- vemicompot-1 Kg.,Bio fertilizers-100 gm.,VAM-100gm. | NHA I ME | | 7.70 | 1 Nos | 1540.00 |


| Sl. No. | Quantity | Description of work | FSR Item No. | FSL | Rate | Per | Amount (Rs.) |
|--------------|---------------------------|--|--------------------------|------|---------|-----------------------|------------------|
| 31 | 200 nos | Transporting saplings(transported to the radius of 40kms)excluding loading and unloading | NHAI ME | | 7.00 | 1 nos | 1400.00 |
| 32 | 200 Nos | Loading and unloading the polythene container seedlings in private / department vehicles (excluding hire charges) | 5.11.7 | 3.29 | 1832.23 | 1000 No | 366.00 |
| 33 | 200 Nos | Distribution of saplings from where seedlings are stocked to the planting spot upto 100mts | 5.15.1 | 10 | 5569.10 | 1000 No | 1114.00 |
| 34 | 200 Nos | Replacement of casualties by re-opening the failed pits and planting the container plants and refilling the pits(1/2 pitting rate+full planting rate) | 5.23 | 5.57 | 3101.99 | 100 Nos | 6204.00 |
| 35 | 2000 Nos | Scrap for 1m dia and soil working 15cm depth around each plants and removing the grass roots away from the site of upturning the soil. | 5.24 | 1.23 | 685.00 | 100 Nos | 13700.00 |
| 36 | 2,000 Nos. 48 days | Watering the planted seedlings 6 days in a month during summer / non-rainy season from April to March @ one mazdoor for 200 plants / watering day (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days) | NHAI ME | LR | 556.91 | 200 Nos. 1 day | 267317.00 |
| 37 | 1,920,000 Ltrs. | Cost of water @ 20 liters per seedlings (April 16 to March 2017) @ the rate (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days x2000x 20) | NHAI ME | | 1200.00 | 12000 Ltrs. | 192000.00 |
| 38 | 1 Maz 125 days | Engaging Protection mazdoor @ 1 mazdoor from April to March @25/days/month | As per MTP ME 2013-14 | | 556.91 | 1 Maz 1 day | 69614.00 |
| 39 | LS | Contingencies for applications of pesticides, panchagavya etc., and unforeseen items if any (2%) of the estimate amount | | | | LS | 501 |
| Total | | | | | | | 581000.00 |

- 1) Estimate for first year maintenance of plantation in 10.00 Ha.
- 2) Estimate for first year maintenance of plantation in 1 Ha.

Rs. **581000.00**
Rs. **58100.00**

Specification :

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


District Forest Officer,
Dindigul Division,
Dindigul.

**MODEL ESTIMATE FOR SECOND YEAR MAINTENANCE OF PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of Polythene bags 30 X 45 Cms - 600 Guage

Number of seedlings

2000

2000

Wage Rate (2024-25) Rs. 612.60

| Sl. No. | Quantity | Description of work | FSL | FSR Item No. | Rate | Per | Amount |
|---------|---------------------------|--|------------|--------------|---------|-----------------------|------------------|
| 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 |
| 6 | 1,000 Nos. | Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains | 1.23 | 5.24 | 753.50 | 100 Nos. | 7535.00 |
| 9 | 2,000 Nos. 48 days | Watering the planted seedlings 6 days in a month during summer / non-rainy season from April to March @ one mazdoor for 200 plants / watering day (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days) | NHAI ME | LR | 612.60 | 200 Nos. 1 day | 294048.00 |
| 10 | 1,920,000 Ltrs. | Cost of water @ 20 liters per seedlings (April -16 to March 2017) @ the rate (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days x2000x 20) | NHAI ME | | 1200.00 | 12000 Ltrs. | 192000.00 |
| 11 | 125 days | Engaging protection mazdoor @ 25 days / month for the planting site (from April to March) | FSR | | 612.60 | 1 No. | 76575.00 |
| 12 | L.S. | Providing publicity / plantation board, planting equipment plant protection and documentation etc., | | L.S | | | 842.00 |
| | | Total | | | | | 571000.00 |

1) Estimate for second year maintenance of plantation in 10.00 Ha.


Rs. 571000.00

2) Estimate for second year maintenance of plantation in 1 Ha.

Rs. 57100.00

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


District Forest Officer,
Dindigul Division,
Dindigul.

**MODEL ESTIMATE FOR THIRD YEAR MAINTENANCE OF PLANTATION
OVER AN AREA OF 10.00 HA. OF BOTH SIDES OF L. MALAIYUR ROAD
IN THE FOOT HILLS OF PERUMALAI RF IN ALAGARKOVIL RANGE OF DINDIGUL FOREST DIVISION, DINDIGUL**

Size of Polythene bags

30 X 45 Cms - 600 Guage

Number of seedlings

2000

2000


Wage Rate (2025-26) Rs. 673.86

| Sl. No. | Quantity | Description of work | FSL | FSR Item No. | Rate | Per | Amount |
|---------|---------------------------|--|------------|--------------|---------|-----------------------|-------------------|
| 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 |
| 6 | 1,000 Nos. | Scrap weeding for 1 metre dia and soil working 15cms depth around each plants and remaining the grassroots away from the site or upturning the soil in plains | 1.23 | 5.24 | 828.85 | 100 Nos. | 8289.00 |
| 9 | 2,000 Nos. 48 days | Watering the planted seedlings 6 days in a month during summer / non-rainy season from April to March @ one mazdoor for 200 plants / watering day (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days) | NHAI ME | LR | 673.86 | 200 Nos. 1 day | 323453.00 |
| 10 | 1,920,000 Ltrs. | Cost of water @ 20 liters per seedlings (April to March) @ the rate (6 Months x 6 days = 36 days) (6 months x 2 days (rainy season)= 12 days) totally=48 days x2000x 20) | NHAI ME | | 1200.00 | 12000 Ltrs. | 192000.00 |
| 11 | 125 days | Engaging protection mazdoor @ 25 days / month for the planting site (from April to March) | FSR | | 673.86 | 1 No. | 84233.00 |
| 12 | L.S. | Providing publicity / plantation board, planting equipment plant protection and documentation etc., | | L.S | | | 2025.00 |
| | | Total | | | | | 610000.000 |

- 1) Estimate for Third year maintenance of plantation in 10.00 Ha. Rs. **610000.00**
2) Estimate for Third year maintenance of plantation in 1 Ha. Rs. **61000.00**

Specification:

The above estimate is prepared based on Model Estimate of Principal Chief Conservator of Forests and Dindigul Circle FSR escalation 10% for further each years from 2021-22.


District Forest Officer,
Dindigul Divsion,
Dindigul.

Model Estimate for providing Chain line Fencing (1 Km.) at L.Malaiyur road of Alagarkovil Range.

Abstract Estimate

| S. No | Qty | | Description | PWD DATA No | Rate Per unit | Unit | Amount |
|-------|---------|----|---|-------------------------------|---------------|------|--------|
| 1 | 54.12 | M3 | Earth work excavation and depositing onbank within initial lead and lift 10mts & 2mts respectively in hard stiff clay, stiff balck cotton, hard red earth, shalves, murams, gravel, stoney earth and earth mixed with small size boulders and gravelly soil-SS 20B | PWD SSR P.No 27 S.No 61 | 84.07 | M3 | 4550 |
| 2 | 399.60 | m2 | Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specifcaiton. (Payment for centering shall be given after the concrete is laid) | Data 1 | 909.98 | m2 | 363628 |
| 3 | 44.15 | M3 | Cement Concrete 1:3:6 (One Cement, Three sand and Six broken stone jelly) using 20mm size hard broken stone jelly for dummy columns, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete. (Reinforced Cement Concrete 1:2:4 for slab to be extended upto top of splashing with pressed tiles and future extension rods to be embedded in CC 1:3:6 (One Cement, Three Sand and Six hard broken stone jelly). Dummy columns should be at least 1 metre height) | Data 2 | 6657.95 | M3 | 293915 |
| 4 | 8417.80 | kg | Supplying, Delivery and Fabrication of MS Pipes 65mm and specials with following size including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification. | Data 3 | 98.73 | kg | 831068 |
| 5 | 1800.00 | M2 | Supplying, and fixing of chain link fencing of size 2" x 2" using 10 gauge galvanized iron wire including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification. | Data 4 | 267.99 | M2 | 482388 |

| S. No | Qty | | Description | PWD DATA No | | Rate Per unit | Unit | Amount |
|-------|--------|----|--|--------------------------------|---|---------------|------|----------------|
| 6 | 246.00 | kg | Supplying, and tiring of galvanised iron wire(10 gauge) for fencing support including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification. | PWD SSR S.No 122 P.No 49 | | 69.35 | kg | 17059 |
| 7 | 204.10 | m2 | Painting one coat red acid and two coats with ready mixed approved paint over New steel surface including cost and conveyance all materials etc. complete, as per standard specification. | Data | 5 | 156.04 | m2 | 31847 |
| | | | | Sub Total | | | | 2024454 |
| 8 | | | Labour welfare Fund 1% | | | | | 25000 |
| 9 | | | G.S.T for 12% tax | | | | | 242935 |
| 10 | | | Provision for Ex.Charge @ 10.5% | | | | | 212568 |
| | | | Total | | | | | 2504957 |
| | | | | Restricted to Rs. | | | | 2500000 |

District Forest officer
Dindigul Forest division
Dindigul.

Detailed Estimate

| S.No | Description | Nos | | L | B | D | Quantity | Unit |
|------|--|-----|-----|------|------|------|---------------|----------------|
| 1 | Earth work excavation and depositing onbank within initial lead and lift 10mts & 2mts respectively in hard stiff clay, stiff balck cotton, hard red earth, shalves, murams, gravel, stoney earth and earth mixed with small size boulders and gravelly soil-SS 20B | | | | | | | |
| | Fencing Post | 1 | 420 | 0.50 | 0.50 | 0.50 | 52.50 | |
| | For Cross Support | 1 | 40 | 0.30 | 0.30 | 0.45 | 1.62 | |
| | | | | | | | 54.12 | M ³ |
| 2 | Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specificalton. (Payment for centering shall be given after the concrete is laid) | | | | | | | |
| | Fencing Post | 1 | 420 | 1.80 | | 0.50 | 378.00 | |
| | For Cross Support | 1 | 40 | 1.20 | | 0.45 | 21.60 | |
| | | | | | | | 399.60 | m2 |
| 3 | Cement Concrete 1:3:6 (One Cement, Three sand and Six broken stone jelly) using 20mm size hard broken stone jelly for dummy columns, excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete. (Reinforced Cement Concrete 1:2:4 for slab to be extended upto top of splashing with pressed tiles and future extension rods to be embedded in CC 1:3:6 (One Cement, Three Sand and Six hard broken stone jelly). Dummy columns should be at least 1 metre height) | | | | | | | |
| | a) foundation and Basement | | | | | | | |
| | Fencing Post | 1 | 420 | 0.45 | 0.45 | 0.50 | 42.53 | |
| | For Cross Support | 1 | 40 | 0.30 | 0.30 | 0.45 | 1.62 | |
| | | | | | | | 44.15 | M ³ |


| S.No | Description | Nos | | L | B | D | Quantity | Unit |
|------|--|------|-----|---------|---|-------|----------|----------------|
| 4 | Supplying, Delivery and Fabrication of MS Pipes 65mm and specials with following size including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification. | | | | | kg/m | | |
| | 65 mm MS pipe post | 1 | 420 | 2.20 | | 7.9 | 7299.60 | |
| | 65 mm Ms pipe Cross Support | 1 | 40 | 1.90 | | 7.9 | 600.40 | |
| | Clamp 25x25x5mm L-angle.hooks | 1 | 460 | 0.60 | | 1.8 | 496.80 | |
| | Top Closing plate | 1 | 420 | | | 0.05 | 21.00 | |
| | | | | | | | 8417.80 | kg |
| 5 | Supplying, and fixing of chain link fencing of size 2" x 2" using 10 gauge galvanized iron wire including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification. | | | | | | | |
| | Park Around | 1 | 1 | 1000.00 | | 1.80 | 1800.00 | |
| | Total | | | | | | 1800.00 | M ² |
| 6 | Supplying, and tiring of galvanized iron wire(10 gauge) for fencing support including all the cost and conveyance of materials to site and all labour cahrges etc. complete as per standard specification. | | | | | kg/m | | |
| | Park Around | 1 | 3 | 1000.00 | | 0.08 | 246.00 | kg |
| 7 | Painting one coat red acid and two coats with ready mixed approved paint over New steel surface including cost and conveyance all materials etc. complete, as per standard specification. | | | | | | | |
| | Post (cross support &post) | 3.14 | 1 | 1000.00 | | 0.065 | 204.10 | m ² |

District Forest officer
Dindigul Forest division
Dindigul.

**MODEL ESTIMATE FOR CONSTRUCTION OF CEMENT CHECK DAM AT L.MALAIYUR RAOD OF
ALAGARKOVIL RANGE**

ABSTRACT ESTIMATE

| Sl. No. | Quantity | | Details of works | Rate | Per | Amount |
|---------|----------|----------------|--|----------------------|----------------|---------------|
| 1 | 23.55 | M ³ | Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for foundation | 194.04 | M ³ | 4570 |
| 2 | 61.03 | M ³ | Plain cement concrete 1:3:6 using 40mm HG metal including cost and conveyance of all materials and labour charges | 5032.31 | M ³ | 307122 |
| 3 | 81.90 | M ² | Supplying and erecting centering for sides and soffits including necessary supports and strutting upto 3.29 M height for plane surfaces | 697.52 | M ² | 57127 |
| 4 | 5.52 | M ³ | Rough stone dry packing including cost and conveyance of all materials and labour charges | 2006.32 | M ³ | 11075 |
| 5 | 17.50 | SQM | Plastering in CM 1:5 20 mm thick including cost and conveyance of all materials and labour charges - 10 M ³ | 476.88 | SQM | 8345 |
| 6 | 130.00 | | Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for new bund formation as per SS20A and SI.61 | 112.77 | M ³ | 14660 |
| 7 | 130.00 | | Extra for every additional 10m lead or part there of over the initial lead | 12.85 | M ³ | 1671 |
| 8 | 130.00 | | Add relevant T.N.D.S.S NO 20A rates for new tank bunds and closing breaches for extra for watering and consolidation | 21.80 | M ³ | 2834 |
| | | | | Sub Total -I | | 407404 |
| | | | PROVISION FOR EX.Charge @10% | | | 40740 |
| | | | | Sub Total -II | | 448144 |
| 9 | LS | | Provision for GST @ 12% | | | 53777 |
| 10 | LS | | Provision for LWF @ 1% | | | 5000 |
| | | | Total | | | 506922 |
| | | | Restricted to Rs. | | | 500000 |


 District Forest officer
 Dindigul Forest division
 Dindigul.

DETAILED ESTIMATE

| Sl. No. | Description of work | Nos | Length | Width | Depth | Quantity | |
|---------|--|-----|--------|-------|-------------------------|----------|--------------|
| 1 | Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for foundation | | | | | | |
| | For body wall | 1 | 1 | 10.00 | 1.50 | 0.90 | 13.50 |
| | Side Support wall | 1 | 2 | 3.50 | 1.00 | 0.90 | 6.30 |
| | Side wall D/S (Toe wall) | 1 | 2 | 3.00 | 0.50 | 0.50 | 1.50 |
| | Cut off wall (Toe wall) | 1 | 1 | 9.00 | 0.50 | 0.50 | 2.25 |
| | Total | | | | | | 23.55 |
| 2 | Plain cement concrete 1:3:6 using 40 mm HBGS metal | | | | | | |
| | Below Ground Level | | | | | | |
| | For body wall | 1 | 1 | 10.00 | 1.50 | 0.90 | 13.50 |
| | Side wall D/S | 1 | 2 | 3.50 | 1.00 | 0.90 | 6.30 |
| | Side wall D/S (Toe wall) | 1 | 2 | 3.00 | 0.50 | 0.50 | 1.50 |
| | Cut off wall (Toe wall) | 1 | 1 | 9.00 | 0.50 | 0.50 | 2.25 |
| | Total | | | | | | 23.55 |
| 3 | Centering | | | | | | |
| | Above Ground Level | | | | | | |
| | For body wall | 1 | 2 | 10.00 | | 1.70 | 34.00 |
| | Side Support wall | 2 | 2 | 3.50 | | 2.50 | 35.00 |
| | Key wall | 2 | 2 | 2.50 | | 0.50 | 5.00 |
| | Key rish | 2 | 2 | 0.50 | | 0.50 | 1.00 |
| | Apron inside | 1 | 1 | 14.00 | | 0.23 | 3.22 |
| | Apron out side | 1 | 1 | 16.00 | | 0.23 | 3.68 |
| | Total | | | | | | 81.90 |
| 4 | Plain cement concrete 1:3:6 using 40 mm HBGS metal | | | | | | |
| | Below Ground Level | | | | | | |
| | Iteam No: 2 | | | | | | 23.55 |
| | Above Ground Level | | | | | | |
| | For body wall | 1 | 1 | 10.00 | $\frac{1.50 + 0.50}{2}$ | 1.70 | 17.00 |
| | Side Support wall | 1 | 2 | 3.50 | $\frac{1.50 + 0.50}{2}$ | 2.50 | 17.50 |
| | Key wall | 1 | 2 | 2.50 | 0.50 | 0.50 | 1.25 |
| | Side wall D/S (Toe wall) | 1 | 2 | 3.00 | 0.50 | 0.23 | 0.69 |
| | Cut off wall (Toe wall) | 1 | 1 | 9.00 | 0.50 | 0.23 | 2.07 |
| | Total | | | | | | 62.06 |

| Sl. No. | Description of work | Nos | | Length | Width | Depth | Quantity |
|---------|---|-----|---|--------|-------------|-------------|--------------|
| 5 | Rough stone dry packing including cost and conveyance of all materials and labour charges - 10 M3 | | | | | | |
| | Apron | 1 | 1 | 8.00 | 3.00 | 0.23 | 11.04 |
| | | | | | | | 11.04 |
| 6 | Plastering in CM 1:5 20 mm thick including cost and conveyance of all materials and labour charges - 10 M³ | | | | | | |
| | For body wall top | 1 | 1 | 10 | 0.5 | | 5.00 |
| | Total | | | | | | 5.00 |
| 7 | Earth work excavation for foundation in hard gravelly soil with initial lead of 10Mts and lift of 2Mts for new bund formation as per SS20A and SI.61 | | | | | | |
| | Bund potion | 1 | 2 | 6.50 | 5.00 + 1.20 | 2.50 + 0.50 | 60.45 |
| | Total | | | | 2.00 | 2.00 | 60.45 |
| 8 | Extra for every additional 10m lead or part there of over the initial lead | | | | | | |
| | 1st lead | | | | | | 35.00 |
| | II nd Lead | | | | | | 25.45 |
| | Total | | | | | | 60.45 |
| 9 | Add relevant T.N.D.S.S NO 20A rates for new tank bunds and closing breaches for extra for watering and consolidation | | | | | | |
| | By hand roller | | | | | | |
| | Total | | | | | | 60.45 |


 District Forest officer
 Dindigul Forest division
 Dindigul.