#### TAMIL NADU FOREST DEPARTMENT

From

Thiru. S.Gurusamy I.F.S., District Forest Officer. CuddaloreForest Division, Old Collector Office, Ist Floor, Manjakuppam, Cuddalore.

To

The Principal Chief Conservator of Forests, (Head of Forest Force), Chennai. (Through the Conservator of Forests, Villupuram).

### C.No.1151/2022/D, Dated: .11.2023.

Sir.

Forest (Conservation ) Act, 1980 - Proposal for diversion of forest land in Thiruthuraiyur RF - The proposed for Temporary diversion road of 0.091 Ha for construction of minor Bridge 6/4 Km in Pudupettai - Oraiyur - Karumbur -Paithampady across Malattar River- Cuddalore Range in Thiruthuraiyur RF Permission requested - Proposal forwarded - Additional details called - report submitted - Regarding.

Ref: The Principal Chief Conservator of Forests, (Head of Forest Force). Chennai Ref.No.TS3/12645/2020 Dt:10.11.2023.

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I submit that the details as called for by the Principal Chief Conservator of Forests, Chennai in the reference cited in respective cuddalore Forest Division. Was duly uploaded in PARIVESH portal.

Yours Faithfully,

District Forest Officer, Cuddalore Porest Division, Cuddalore.

Copy submitted to the Conservator of Forests, Villupuram Circle, Villupuram.

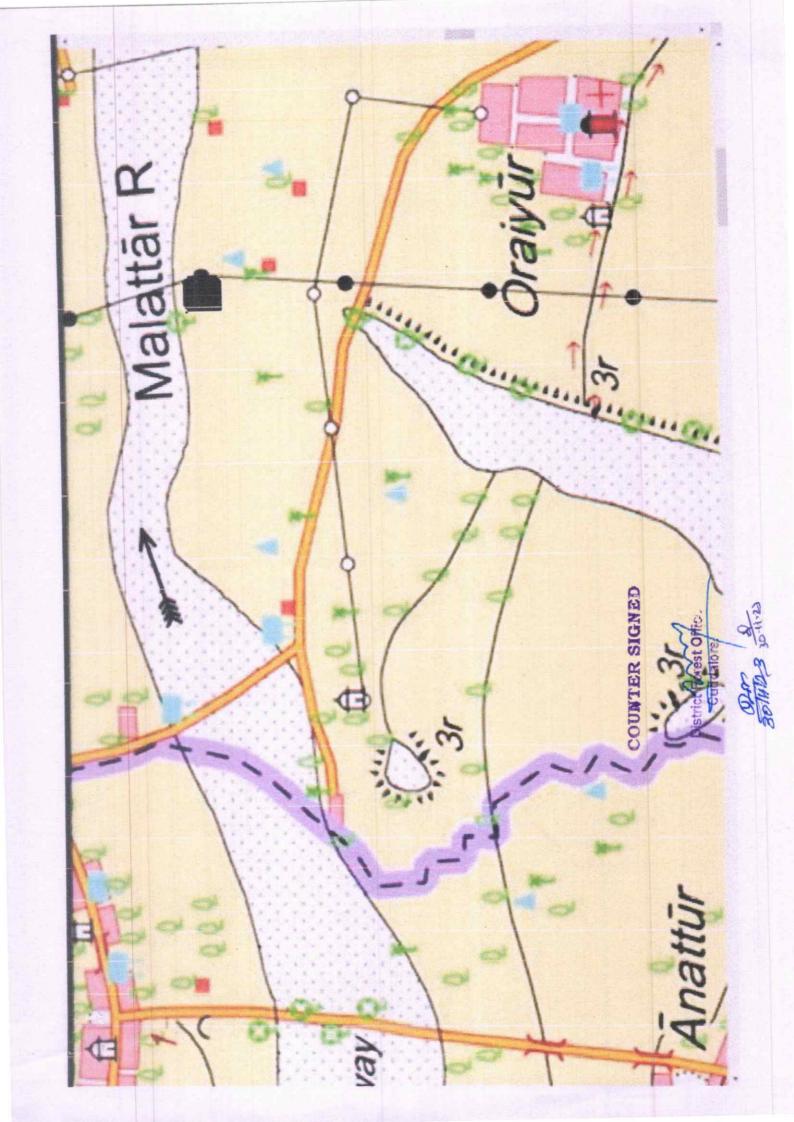
### LAND AVALABILITY CERTIFICATE

It is proposed to identify the compensatory afforestation land in the degraded forest area of Thiruthuraiyur RF. The Compensatory Afforestation will be in the 100 Nos seedlings will be planted in the area. The District Forest Officer, Cuddalore was inspected dated: 18.10.2023 It is informed that above site area suitable of under taking Compensatory Afforestation Plantation.

District Forest Officer, Cuddalore Forest Division, Cuddalore.

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### Work schedule

Raising nursery and Planting for native tree species with 10 yr maintenance for Compensatory afforestation of 100 plants in degraded forest area in Cuddalore Range of Cuddalore division during 2023-2024 under CAMPA scheme

Name of the Project : Proposal for

| SI.<br>No. | Description of Work                             | Period of work                 |  |  |  |  |  |
|------------|---|--------------------------------|--|--|--|--|--|
| 1          | 2   | 6                              |  |  |  |  |  |
| 1          | Raising nursery - 110 Nos                       | January 2024 to October 2024   |  |  |  |  |  |
| 2          | Planting operation including brush wood fencing | November 2024 to December 2024 |  |  |  |  |  |
| 3          | 1st year Maintenance                            | September 2025 to March 2026   |  |  |  |  |  |
| 4          | 2nd year Maintenance                            | September 2026 to March 2027   |  |  |  |  |  |
| 5          | 3rd year Maintenance                            | September 2027 to March 2028   |  |  |  |  |  |
| 6          | 4 <sup>th</sup> year Maintenance                | September 2028 to March 2029   |  |  |  |  |  |
| 7          | 5 <sup>th</sup> year Maintenance                | September 2029 to March 2030   |  |  |  |  |  |
| 8          | 6 <sup>th</sup> year Maintenance                | September 2030 to March 2031   |  |  |  |  |  |
| 9          | 7 <sup>th</sup> year Maintenance                | September 2031 to March 2032   |  |  |  |  |  |
| 10         | 8 <sup>th</sup> year Maintenance                | September 2032 to March 2033   |  |  |  |  |  |
| 11         | 9 <sup>th</sup> year Maintenance                | September 2033 to March 2034   |  |  |  |  |  |
| 12         | 10 <sup>th</sup> year Maintenance               | September 2034 to March 2035   |  |  |  |  |  |

District/Forest Officer, Cuddalore Division, Cuddalore.

# Abstract Model estimate for Raising Compensatory afforestation of 100 plants in degraded forest area during 2023-24 under State CAMPA scheme

Name of the Project: Proposal for diversion of 0.090 ha of Forest land in for Temporary Diversion in forest area for Reconstruction of Damaged Bridge at Km 6/4 of of road of Puthupettai - Oraiyur - Karumbur Road across Thiruthuraiyur RF vide Proposal No. FP/TN/Approach/43097/2019

No. of seedlings:

100

Nos.

For 10% casuality replacement:

10

TOTAL

110 Nos

| SI.<br>No. | Description of Work               | Proposed estimate cost in Rupees | Remarks   |
|------------|-----------------------------------|----------------------------------|---|
| 1          | 2                                 | 3                                | 4   |
| 1          | Raising nursery - 110 Nos         | 20000                            | labour wages rate approved during 2023                                  |
| 2          | Planting operation - 100seedlings | 60000                            | 10% Weightage towards escalation of<br>labour wage rate during 2024-25  |
| 3          | 1 <sup>st</sup> year Maintenance  | 29000                            | 20% Weightage towards escalation of<br>labour wage rate during 2025-26  |
| 4          | 2 <sup>nd</sup> year Maintenance  | 24001                            | 30% Weightage towards escalation of<br>labour wage rate during 2026-27  |
| 3          | 3 <sup>rd</sup> year Maintenance  | 26001                            | 40% Weightage towards escalation of<br>labour wage rate during 2027-28  |
| 6          | 4 <sup>th</sup> year Maintenance  | 1500                             | 50% Weightage towards escalation of<br>labour wage rate during 2028-29  |
| 7          | 5 <sup>th</sup> year Maintenance  | 1650                             | 60% Weightage towards escalation of labour wage rate during 2029-30     |
| 8          | 6 <sup>th</sup> year Maintenance  | 1815                             | 70% Weightage towards escalation of labour wage rate during 2030-31     |
| 9          | 7 <sup>th</sup> year Maintenance  | 1997                             | 80% Weightage towards escalation of labour wage rate during 2031-32     |
| 10         | 8 <sup>th</sup> year Maintenance  | 2196                             | 90% Weightage towards escalation of labour wage rate during 2032-33     |
| 11         | 9 <sup>th</sup> year Maintenance  | 2416                             | 100% Weightage towards escalation of<br>labour wage rate during 2033-34 |
| 12         | 10 <sup>th</sup> year Maintenance | 2657                             | 110% Weightage towards escalation of labour wage rate during 2034-35    |
|            | TOTAL                             | 173231                           |   |

District Payest Officer, Cuddalore Division, Cuddalore Forest Range Officer Cuddalore Range Cuddalore

### Model estimate for Raising nursery for native tree species for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.090 ha of Forest land in for Temporary Diversion in forest area for Reconstruction of Damaged Bridge at Km 6/4 of of road of Puthupettai - Oraiyur - Karumbur Road across Thiruthuraiyur RF vide Proposal No. FP/TN/Approach/43097/2019

Total Area

Gap planting 0.10 ha

Size of Polybags = 13 x 25 x 250g

Seedlings

100 Nos

Transplanting Size of Polybags = 30 x 45 x

No of Seedlings = 100 Proposed Espacement = Gap planting

10% Casuality =

10

Species proposed for planting

Total

= 110

Native species like sisu,

Wage rate 2023-2024 = Rs. 612.45

(Grade-I/Class A areas - Chennai, Villupuram Districts)

| SL.<br>No | Qty    | Unit    | Name of Work   | FSR / SSR          | FSL  | Rate    | Pe   | r                 | Amount |
|-----------|--------|---------|--|--------------------|------|---------|------|-------------------|--------|
| PART      | ۱- Sma | II size | bags 13X25 cm.   |                    |      |         |      |                   |        |
| 1         | 12     | M²      | Preparation of Nursery site by clearing<br>and levelling the site for forming<br>standard bed of size 10mX1m<br>(110M2/1000 Nos) | 4.1                | 2.42 | 1482.13 | 200  | No                | 89     |
| 2         | 0.22   | Kg      | Cost of seeds (2kgs/ 1000 Nos)   | LR                 | -    | 250.00  | 1    | No                | 55     |
| 3         | 110    | Nos.    | Cost of 13x25cmx250G poly bags   | Tender rate        |      | 944.00  | 1000 | No                | 104    |
| 4         | 3.00   | Cum     | Forming germination beds of size 10mx1mx 0.3m by heaping the soil - 2500 No per bed  | PWD SSR<br>item 62 |      | 73.10   | 1    | cum               | 219    |
| 5         | 1.00   | Bed     | Watering the germination beds twice daily with rose cans for 15 days   | 4.5.1              | 0.82 | 502.21  | 10   | Bed<br>s /<br>day | 753    |
| 6         | 1.00   | Bed     | Watering the germination beds once daily with rose cans for 15 days  | 4.5.2              | 0.41 | 251.10  | 10   | Bed<br>s /<br>day | 377    |

| No | Qty     | Unit                | Name of Work  | FSR / SSR             | FSL   | Rate    | Pe   | r          | Amount |
|----|---------|---------------------|---|-----------------------|-------|---------|------|------------|--------|
| 7  | 0.09    | Cu.m                | Collection & supply of sand,silt and red soil according to the requirement for preparation of soil mixure - 3/4th of the total volume (0.84 M3/1000 Nos)  | LR                    |       | 750.00  | 1    | Cu.<br>m   | 68     |
| 8  | 0.03    | Cu.m                | Cost and transport of Farm yard manure for filling bags - 1/4th of the total volume. (0.28 M3/1000 Nos)   | LR                    |       | 750.00  | 1    | Cu.<br>m   | 23     |
| 9  | 110     | Nos.                | Preparation of soil mixture by breaking clods, seiving, mixing red soil, silt, sand according to requirement and farm yard manure in the ratio of 3:1, heaping at the filling site and filling in poly bags, arranging bags in beds and pricking out the seedings (excluding cost of soil mixure and FYM) | 4.6.4                 | 4.48  | 2743.78 | 1000 | Nos        | 302    |
| 10 | 3       | Kgs.                | Cost of Vermicasting @ 25 gram per seedlings  | As per                |       | 10.00   | 1    | Kg         | 30     |
| 11 | 1       | Kgs.                | Cost of VAM @ 10 gram per seedlings   | Research<br>Wing Rate | -     | 18.00   | 1    | Kg         | 18     |
| 12 | 1       | Kg                  | Cost of Azospirilum @ 5 gram per seedlings  | As per                | -     | 27.00   | 1    | Kg         | 27     |
| 13 | 1       | Kg                  | Cost of Phosphobacteria @ 5 gram per seedling   | Research<br>Wing Rate |       | 27.00   | 1    | Kg         | 27     |
| 14 |         |                     | Watering the container plants with rose cans -  |                       |       |         |      |            |        |
| a  | 110     | Nos.                | Twice daily - 15 days   | 4.10.4                | 0.23  | 140.86  | 111  |            | 232    |
| b  | 110     | Nos.                | Once daily - 30 days  |                       | 0.115 | 70.43   | 1000 | Dov        | 232    |
| С  | 110     | Nos.                | Alternate days spread over 30 days (Effective days-15)  | 4.11.4                | 0.115 | 70.43   | 1000 | Day .      | 116    |
| 15 | 110     | Nos.                | cost of water for watering the container seedings - 60 watering days  | 4.18 - FSR<br>1998-99 |       | 0.85    | 1000 | day        | 4      |
| 16 | 110     | Nos.                |   |                       |       |         |      |            |        |
|    | 1.46667 | M2/ 3<br>mont<br>hs | The first of  | 4.17                  | LR    | 86.00   | 40   | /mon<br>th | 9      |

| SL.<br>No | Qty       | Unit    | Name of Work   | FSR / SSR             | FSL   | Rate     | Pe   | er    | Amount |
|-----------|-----------|---------|--|-----------------------|-------|----------|------|-------|--------|
| 17        | 110       | Nos.    | Shifting the container plants, weeding, grading and replacement of casualities 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  | 312.35   | 1000 | Shift | 69     |
|           |           |         | SUB - TOTAL (A)  |                       |       |          |      |       | 2754   |
| PART      | II - Bigg | ger siz | e bags: 30x45cmx600g.  |                       |       |          |      | TE    |        |
| 18        | 110       | Nos.    | Cost of 30 X 45cm poly bags  | Tender rate           | _     | 9263.00  | 1000 | No    | 1019   |
| 19        | 1.02      | M3      | Collection & supply of sand, silt and red soil according to the requirement for preparation of soil mixure - 4/5th of the total volume (excluding the volume of earth in 13X25cm containers). (@ 9.23 Cu.m/1000 Nos)   | LR                    |       | 750.00   | 1    | МЗ    | 765    |
| 20        | 0.25      | M3      | Cost and transport of Farm yard manure for filling bags - 1/5th of the total volume. (@ 2.31 Cu.m/1000 Nos)  |                       |       | 750.00   | 1    | МЗ    | 188    |
| 21        | 110       | Nos.    | Preparation of soil mixture by breaking clods, selving, mixing red soil, silt, and sand according to requirement and farm yard manure in the ratio of 4:1, heaping at the fillingsite and filling in poly bags, arranging bags in beds and pricking out the seedings (excluding cost of soil mixure and FYM) | 4.6.7                 | 28.57 | 17497.70 | 1000 | Nos   | 1925   |
| 22        | 4         | Kgs.    | Cost of Vermicasting @ 35 gram per seedlings   | As per<br>Research    |       | 10.00    | 1    | Kg    | 40     |
| 23        | 2         | Kgs.    | Cost of VAM @ 15 gram per seedlings  | Wing Rate             | -     | 18.00    | 1    | Kg    | 36     |
| 24        | 1         | Kg      | Cost of Azospirilum @ 6 gram per seedlings   | As per                |       | 27.00    | 1    | Kg    | 27     |
| 25        | 1         | Kg      | Cost of Phosphobacteria @ 6 gram per seedling  | Research<br>Wing Rate | -     | 27.00    | 1    | Kg    | 27     |
| 26        | 1         | Mazd    |  | As per ME<br>of MTP   | -     | 612.45   | 1    | Nos   | 612    |

| SL.<br>No | Qty | Unit       | Name of Work   | FSR / SSR | FSL | Rate | Per |           | Amount |
|-----------|-----|------------|--|-----------|-----|------|-----|-----------|--------|
| 37        | 5   | Month<br>s | Provision for cost of pesticides and fungasides and Labour charges for application of pesticides - 2 times / month | L.R       |     | 200  | 1   | time<br>s | 1000   |
| 39        | L.  | S          | Photo & Documentation etc.,  | L.S       |     |      |     | 500       |        |
| 39        | L.  | S          | Contingencies unforseen items  |           |     | L.S  |     |           | 935    |
|           |     |            | SUB - TOTAL (  | B)        |     |      |     |           | 17245  |
|           |     |            | TOTAL (A + B   | )         |     |      |     |           | 20000  |
|           | 173 |            | TOTAL (A + B   | ()        |     |      |     |           | 20000  |

Raising cost for 836 seedlings = 20000

cost for 1 seedlings = Rs

200.00

### Specifications:

- 1) No. of seedlings has been proposed for planting based on the Government of India Letter F.No.11-118/2021-FC dated 13.06.20237, compensatory afforestation has to be carried out minimum no. of plants - 100 seedlings .( Tree felling involved is 3 Nos)
- 2) Bio-fertilizers may be applied as per norms prescrribed by Research wing.
  3) The estimate has been prepared based on model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.

District Forest Officer, Cuddalere Division,

Cuddalore

### Model estimate for Raising nursery for native tree species for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.090 ha of Forest land in for Temporary Diversion in forest area for Reconstruction of Damaged Bridge at Km 6/4 of of road of Puthupettai - Oraiyur - Karumbur Road across Thiruthuraiyur RF vide Proposal No. FP/TN/Approach/43097/2019

No of seedlings = 100 10% Casuality = 10

Total

= 110

Size of Polybags = 30 x 45 x 600g

Wage rate = Rs.

612.45

2023-2024

| SI.<br>No | Qty |     | Description of work  | F.S.R.<br>No.       | FSL<br>(Man<br>days) | Rate Rs. | Per  |     | Amount |
|-----------|-----|-----|--|---------------------|----------------------|----------|------|-----|--------|
| 1         | 100 | Nos | Aligning and Marking in plantation area  | 5.2.4               | 1.38                 | 845.18   | 100  | Nos | 845    |
| 2         | 100 | Nos | Digging of 60 CM3 pits in all types of soil during non rainy season  | 5.8.1               | 9.26                 | 5671.29  | 100  | Nos | 5671   |
| 3         | 200 | No. | Cost & transport of Farmyard mannure each  | Lowest              |                      | 750.00   | 1    | M3  | 5400   |
|           | 7   | МЗ  | plants 0.60x0.60x0.20=0.072m3/pit  | quotation           |                      |          |      |     |        |
| 4         | 100 | Nos | Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos   | FSL<br>Wage<br>rate | 1.00                 | 612.45   | 200  | No  | 306    |
| 5         | 100 | Nos | Cost of Bio fertilizer including cost of application -<br>Vermicompost - 1 Kg, Bio Fertilizers - 100 gms,<br>VAM- 100 gms            | NHAI ME             |                      | 7.70     | 1    | No  | 770    |
| 6         | 110 | Nos | Transporting saplings (transported to the radious of 40 kms) excluding loading and unloading by Private Vehicle                      | NHAI ME             | -                    | 7.00     | 1    | No  | 770    |
| 7         | 110 | Nos | Loading & unloading the container seedlings (30x45cm) in private lorry upto a lead of 2kms excluding hire charges for the vehicles.) | 5.11.7              | 3.29                 | 2014.96  | 1000 | Nos | 222    |
| 8         |     |     | Distribution of saplings from where seedlings are stocked to the planting spot in plains upto 500 mts                                |                     |                      |          |      |     |        |
| а         | 44  | Nos | Upto 100 mts   | 5.15.1              | 10.00                | 6124.50  | 1000 | Nos | 269    |
| b         | 44  | Nos | Upto 200 mts   | 5.15.2              | 17.50                | 10717.88 | 1000 | Nos | 472    |
| С         | 22  | Nos | Upto 500 mts   | 5.15.3              | 41.00                | 25110.45 | 1000 | Nos | 552    |
| 9         | 100 | Nos | Planting the container plants by refilling pits of size 60cm.  | 5.22                | 1.71                 | 1047.29  | 100  | Nos | 1047   |
| 10        | 250 | RM  | Provision of vertical casurina poles 5cm to 8cm 2.50mtr ht. per plant  | PWD<br>SSR          |                      | 17.50    | 1    | RM  | 4375   |
| 11        | 10  | Nos | Replacement of casualties by reopening failed pits and planting the seedlings (1/2 pitting rate on rainy days + full planting rate)  | 5.23                | 6.34                 | 3882.93  | 100  | Nos | 388    |

| SI.<br>No | Qty   |            | Description of work  | F.S.R.<br>No. | FSL<br>(Man<br>days) | Rate Rs. | Per   |                          | Amount                |
|-----------|-------|------------|--|---------------|----------------------|----------|-------|--------------------------|-----------------------|
| 12        | 100   | Nos        | Scraping 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                 | 753.31   | 100   | Nos                      | 753                   |
| 13        | 100   | Nos        | Forming catch water drains for each plant of 90x45x 30 cm size in hillocks and hard gravelly soil  | 5.26          | 6.84                 | 4189.16  | 100   | Nos                      | 4189                  |
| 14        | 100   | Nos        | Providing Brush wood fencing around each plants  | 1-1           | 0.25                 | 153.11   | 1     | No                       | 15311                 |
| 15        | 100   | Nos        | Watering the plants once in 6 days during summer/non-rainy period from January to March @ one mazdoor for 200 plants/watering day (15 watering days) | NHAI ME       |                      | 612.45   | 200   | Nos                      | 4593                  |
| 16        | 30000 | Ltrs       | Cost of water @ 20 liter per seedlings 15 watering days (100x20x15=30000 Lts)  | NHAI ME       |                      | 1200.00  | 12000 | Lts                      | 3000                  |
| 17        | 0.018 | Nos.       | Plantation Protection mazdoors from October to<br>March - 180 m.days   | Wage<br>rate  | 1                    | 612.45   | 1     | M.<br>Days               | 2004                  |
| 18        | 100   | Nos        | Removing/scrapping vizal monsoon or bothai grass for one meter dia around the plants   | 5.27          | 0.21                 | 128.61   | 100   | Nos                      | 129                   |
| 19        | 51    | Mont<br>hs | Provision for cost of pesticides and fungasides<br>and Labour charges for application of pesticides<br>- 2 times / month                             | L.R           | All                  | 200      | 1     | times                    | 2000                  |
| 20        | L.S   |            | Photo & Documentation etc.,  |               |                      | LS       |       |                          | 1000                  |
| 21        | LS    |            | Contingencies and unforseen expenditure to be restricted to as per actuals.  |               |                      | LS       |       |                          | 479                   |
|           |       |            |  |               |                      |          | 6/6/5 | TOTAL                    | 54545                 |
|           |       | 1          |  |               |                      | Add      |       | escalation<br>al prorata | 5455<br><b>6000</b> 0 |
|           |       |            |  |               |                      |          | 100   | ai prorata               | 0000                  |

#### Specifications:

1) No. of seedlings has been proposed for planting based on the Government of India Letter F.No.11-118/2021-FC dated 13.06.20237, compensatory afforestation has to be carried out minimum no. of plants - 100 seedlings . . ( Tree felling involved is 3 Nos)

2) The

estimate has been prepared based on NHAI/MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.

District Horest Officer, Cuddalore Division, Cuddalore

## Model estimate for 1st year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project: Proposal for diversion of 0.090 ha of Forest land in for Temporary Diversion in forest area for Reconstruction of Damaged Bridge at Km 6/4 of Of road of Puthupettai - Oraiyur - Karumbur Road across Thiruthuraiyur RF vide Proposal No. FP/TN/Approach/43097/2019

No of seedlings planted

100

No of Seedlings for casulty replacement 10

Size of Polybags = 30 x 45 x 600g

=

(10% replacement)

Wage rate = Rs. 612.45

| SI.<br>No | Q      | ty     | Description of work   | F.S.R. No.                    | (Man<br>davs) | Rate Rs. | Per  |      | Amount |
|-----------|--------|--------|---|-------------------------------|---------------|----------|------|------|--------|
|           | A. NUR | SERY ( | OPERATION   |                               |               |          |      |      |        |
| 1         | 10     | No     | Raising cost of seedlings in 30x45 size polythene bags (As per nursery estimate)  | As per<br>nursery<br>estimate |               | 200.00   | 1    | No   | 2002   |
|           |        |        |   |                               |               |          | TOTA | L(A) | 2002   |
|           | B. PLA | NTING  | OPERATION   |                               |               |          |      |      |        |
| 1         | 10     | No     | Cost & transport of Farm yard manure each plants  | Lowest                        | É             | 750.00   | 1.   | m3   | 540    |
|           | 1      | МЗ     | 0.60x0.60x0.20=0.072m3/pit  | LOWOST                        |               | 730.00   | T    | III  | 040    |
| 2         | 10     | Nos.   | Application of Farm yard manure by mixing in the pit before planting - 1 mazdoor for 200 Nos  | FSL<br>Wages<br>Rate          | -             | 612.45   | 200  | Nos. | 31     |
| 3         | 10     | Nos.   | Transporting saplings (transported in the radius of 40 Kms) excluding loading and unloading in Private vehicle                                    | NHAI ME                       | -             | 7.00     | 1    | No.  | 70     |
| 4         | 10     | Nos    | Loading & unloading the container seedlings (30x45cm) in private lorry upto a lead of 2kms (excluding hire charges for the vehicles.)             | 5.11.7                        | 3.29          | 2014.96  | 1000 | Nos  | 20     |
| 5         |        |        | Distribution of seedlings in the site<br>C.plants upto 500mtrs - in plains  |                               |               |          |      |      |        |
| 8         | 4      | Nos    | Up to 100 m.  | 5.15.1                        | 10.00         | 6124.50  | 1000 | Nos  | 24     |
| b.        | 4      | Nos    | Up to 200 m.  | 5.15.2                        | 17.50         | 10717.88 | 1000 | Nos  | 43     |
| С         | 2      | Nos    | Up to 500 m.  | 5.15.2                        | 41.00         | 25110.45 | 1000 | Nos  | 50     |
| 6         | 10     | Nos    | Replacement of casualties by reopening failed pits and planting the seedlings   | 5.23                          | 5.57          | 3411.35  | 100  | Nos  | 341    |
| 7         | 100    | Nos    | Scraping for 1m dia and soil working<br>15cm depth around each plants and<br>removing the grass roots away from the<br>site of upturning the soil | 5.24                          | 1.23          | 753.31   | 100  | Nos  | 753    |

| SI.<br>No | Qty   | y    | Description of work  | F.S.R. No.                         | FSL<br>(Man<br>days) | Rate Rs.    | Per      |        | Amount |
|-----------|-------|------|--|------------------------------------|----------------------|-------------|----------|--------|--------|
| 8         | 100   | Nos  | Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg,Bio fertilizer 100 gms VAM 100 Gms  | NHAI ME                            |                      | 7.70        | 1        | No.    | 770    |
| 9         | 60000 | Ltrs | Cost of water @ 20 liter per seedlings<br>30 watering days (100x20x30=60000<br>Lts)  | NHAI ME                            |                      | 1200.00     | 12000    | Lts    | 6000   |
| 10        | 100   | Nos  | Watering the plants once in 6 days (excluding rainy days) from April to June & January to March @ one mazdoor for 200 plants/watering day - (15+15 = 30 watering days) | 4.11.7                             | 0.28                 | 612.45      | 200      | No     | 9187   |
| 11        | 0.02  | No   | Engaging protection Mazdoor @ 1<br>Mazdoor from April to March - 12<br>months (25 days/ Month)   | FSR wage rate                      |                      | 612.45      | 1        | No     | 3675   |
| 12        | LS    |      | Contingencies and unforseen expenditure to be restricted to as per actuals.  |                                    | 3.                   | LS          |          |        | 661    |
|           | LE    |      |  |                                    |                      |             | TOT      | AL (B) | 22165  |
|           |       |      | то   | TAL (A+B)                          | prorata              | for 1st yea | ar maite | nance  | 24167  |
|           |       |      |  | Add 20% of escalation for 2nd year |                      |             |          |        |        |
|           |       |      |  |                                    |                      |             | Total p  | rorata | 29000  |

Specifications:

 The estimate has been prepared based on NHAI/MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and research wing rate.

> District Horest Officer, Cuddalore Division, Cuddalore

# MModel estimate for II nd year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project: Proposal for diversion of 0.090 ha of Forest land in for Temporary Diversion in forest area for Reconstruction of Damaged Bridge at Km 6/4 of of road of Puthupettai - Oraiyur - Karumbur Road across Thiruthuraiyur RF vide Proposal No. FP/TN/Approach/43097/2019

No of Seedlings =

100

Survival 100%

100

Wage rate = Rs.

612.45

2023-2024

|        |        |   |  |                  |                      | 202         | 23-2024   |        |        |
|--------|--------|---|--|------------------|----------------------|-------------|-----------|--------|--------|
| SI. No | Qty    |   | Description of work  | F.S.R.<br>No.    | FSL<br>(Man<br>days) | Rate Rs.    | Per       |        | Amount |
| 1      | 100    | Nos   | Scraping for 1m dia and soil working<br>15cm depth around each plants and<br>removing the grass roots away from<br>the site of upturning the soil                      | 5.24             | 1.23                 | 753.31      | 100       | Nos    | 753    |
| 2      | 100    | <gs< td=""><td>Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg,Bio fertilizer 100 gms VAM 100 Gms</td><td>NHAI<br/>ME</td><td>-</td><td>7.70</td><td>1</td><td>Kg</td><td>770</td></gs<> | Cost of Bio Fertilizers including cost of application Vermi-campose 1 kg,Bio fertilizer 100 gms VAM 100 Gms  | NHAI<br>ME       | -                    | 7.70        | 1         | Kg     | 770    |
| 3      | 60000  | _trs  | Cost of water @ 20 liter per<br>seedlings 30 watering days<br>(100x20x30=60000 Lts)  | NHAI ME          | -                    | 1200.00     | 12000     | Lts    | 6000   |
| 4      | 100    | Nos   | Watering the plants once in 6 days (excluding rainy days) from April to June & January to March @ one mazdoor for 200 plants/watering day - (15+15 = 30 watering days) | 4.11.7           |                      | 612.45      | 200       | Shift  | 9187   |
| 5      | 0.0200 | No  | Engaging protection Mazdoor @ 1<br>Mazdoor (3 months) (25 days/<br>Month)  | FSR<br>wage rate |                      | 612.45      | 1         | No     | 919    |
| 6      | LS     |   | Contingencies and unforseen expenditure to be restricted to as per actuals.  |                  |                      | LS          |           |        | 833    |
|        |        |   |  |                  |                      |             | Total p   | -      | 18462  |
|        |        |   |  | -                |                      |             | 0% of esc |        |        |
|        |        |   |  | 10               | tal pror             | ata 2nd yea | ar mainte | enance | 24001  |

Specifications:

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.

District Forest Officer, Cuddalore Division, Cuddalore

## Model estimate for III rd year maintenance for Compensatory afforestation of 100 plants in degraded forest area during 2023-2024 under State CAMPA scheme

Name of the Project : Proposal for diversion of 0.090 ha of Forest land in for Temporary Diversion in forest area for Reconstruction of Damaged Bridge at Km 6/4 of of road of Puthupettai - Oraiyur - Karumbur Road across Thiruthuraiyur RF vide Proposal No. FP/TN/Approach/43097/2019

No of Seedlings =

100

Survival 100%

100

Wage rate = Rs.

612.45

2023-2024

|           |       |      |  |                  |                      | 202          | 23-2024   |                                    |        |  |  |  |  |
|-----------|-------|------|--|------------------|----------------------|--------------|-----------|------------------------------------|--------|--|--|--|--|
| SI.<br>No | Qty   |      | Description of work  | F.S.R.<br>No.    | FSL<br>(Man<br>days) | Rate Rs.     | Per       |                                    | Amount |  |  |  |  |
| 1         | 100   | Nos  | Scraping for 1m dia and soil working<br>15cm depth around each plants and<br>removing the grass roots away from<br>the site of upturning the soil                      | 5.24             | 1.23                 | 753.31       | 100       | Nos                                | 753    |  |  |  |  |
| 2         | 100   | Kgs  | Cost of Bio Fertilizers Including cost of application Vermi-campose 1 kg,Bio fertilizer 100 gms VAM 100 Gms  | NHAI<br>ME       | -                    | 7.70         | 1         | ка                                 | 770    |  |  |  |  |
| 3         | 60000 | Ltrs | Cost of water @ 20 liter per<br>seedlings 30 waterig days<br>(400x20x30=240000 Lts)  | NHAI ME          | -                    | 1200.00      | 12000     | Lts                                | 6000   |  |  |  |  |
| 4         | 100   | Nos  | Watering the plants once in 6 days (excluding rainy days) from April to June & January to March @ one mazdoor for 200 plants/watering day - (15+15 = 30 watering days) | 4.11.7           | 0.28                 | 612.45       | 200       | Shift                              | 9187   |  |  |  |  |
| 5         | 0.02  | No   | Engaging protection Mazdoor @ 1<br>Mazdoor (3 months) (25 days/<br>Month)  | FSR<br>wage rate |                      | 612.45       | 1         | No                                 | 919    |  |  |  |  |
| 6         | LS    |      | Contingencies and unforseen expenditure to be restricted to as per actuals.  |                  |                      | LS           |           |                                    | 943    |  |  |  |  |
|           |       |      |  |                  |                      |              | Total p   | rorata                             | 18572  |  |  |  |  |
| N I       |       |      |  |                  |                      | Add 40       | 0% of esc | calation                           | 7429   |  |  |  |  |
|           |       |      |  | То               | tal pro              | rata 3rd yea | ar mainte | Total prorata 3rd year maintenance |        |  |  |  |  |

Specifications:

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.

District Forest Officer Cuddalore Division,

uddalore Division Cuddalore

### Model estimate for IV th year maintenance for Compensatory afforestation of 100 plants in degraded forest area from 2023-2024 under State CAMPA scheme

Name of the Project: Proposal for diversion of 0.090 ha of Forest land in for Temporary Diversion in forest area for Reconstruction of Damaged Bridge at Km 6/4 of of road of Puthupettai - Oraiyur - Karumbur Road across Thiruthuraiyur RF vide Proposal No. FP/TN/Approach/43097/2019

No of Seedlings =

100

Survival 100% =

100

Wage rate = Rs.

612.45

2023-2024

|        | LULU LULT                               |               |                      |            |   |             |           |
|--------|---|---------------|----------------------|------------|---|-------------|-----------|
| Amount | Per                                     | Rate Rs.      | FSL<br>(Man<br>days) | F.S.R. No. | Description of work   | Qty         | SI.<br>No |
| 753    | 100 Nos                                 | 753.31        | 1.23                 | 5.24       | Scraping for 1m dia and soil working<br>15cm depth around each plants and<br>removing the grass roots away from the<br>site of upturning the soil | 100 Nos     | 1         |
| 247    | LS                                      |               |                      |            | Contingencies and unforseen expenditure to be restricted to as per actuals.   | LS          | 2         |
| 1000   | Total prorata                           |               |                      |            |   |             |           |
| 500    | Add 50% of escalation                   |               |                      |            |   |             |           |
| 1500   | Total prorata 4th year maintenance      |               |                      |            |   |             |           |
| 150    | Add 10% of escalation for 5th year      |               |                      |            |   |             | 7         |
| 1650   | Total prorata for 5th year maintenance  |               |                      |            |   |             |           |
| 165    | n for 6th year                          | of escalation | 1 10%                |            |   |             |           |
| 1815   | Total prorata for 6th year maintenance  |               |                      |            |   |             |           |
| 182    | Add 10% of escalation for 7th year      |               |                      |            |   |             |           |
| 1997   | Total prorata for 7th year maintenance  |               |                      |            |   |             |           |
| 200    | Add 10% of escalation for 8th year      |               |                      |            |   |             |           |
| 2196   | Total prorata for 8th year maintenance  |               |                      |            |   |             |           |
| 220    | Add 10% of escalation for 9th year      |               |                      |            |   |             |           |
| 2410   | Total prorata for 9th year maintenance  |               |                      |            |   |             |           |
| 24     | Add 10% of escalation for 10th year     |               |                      |            |   |             |           |
| 265    | Total prorata for 10th year maintenance |               |                      |            |   | fications : |           |

Specifications:

The estimate has been prepared based on MTP model estimate, FSR, PWD SSR for the year 2023-24 and the local rate as per model estimate and Research Wing rate.

District Forest Officer, Cuddalore Division,

Cuddatore