



ABSTRACT

Forests – Eco-Restoration of Nanmangalam Reserved Forest area of 18 Hectare - Administrative approval accorded for Rs.250.00 lakhs for a period of five years from 2018-2019 to 2022-2023 – Release of a sum of Rs.80.74 lakhs for the year 2018-2019 - Sanction - Orders – Issued.

Environment and Forests (FR.6) Department

G.O.(2D)No:06

Dated: 12.02.2019

விளம்பி, தை - 29

திருவள்ளூர் ஆண்டு - 2050

Read:

From the Principal Chief Conservator of Forests (Head of Department) Ref.No.J1/13611/2018, Dated: 04.07.2018, 11.09.2018 & 30.01.2019.

ORDER :

In the letters read above, the Principal Chief Conservator of Forests (Head of Department) has proposed for Eco-Restoration of Nanmangalam Reserve Forest area of 18 Hectare out of 320 Hectare for taking up high density planting to improve biodiversity of the area and create green lungs which will improve the micro-climate in Urban environment at a total outlay of Rs.302.123 lakhs, for five years from 2018-19 to 2022-23, includes raising of nursery, planting and maintenance works.

2. The Principal Chief Conservator of Forests has furnished detailed justification for the proposal as below:-

Biodiversity

Nanmangalam Reserve Forest is spread over 320.92 Hectare and is cradled by the vast townships of Tambaram, Pallikaranai, Alandur and Velachery. Administratively it falls within the Tambaram Forest Range of Chennai Forest Division, Chennai. Sembakkam, Gourivakkam, Santhoshapuram, Neralicheri and Nanmangalam are the important suburban residential areas (villages) that surround the habitat around the Reserved Forest.

Biodiversity of Nanmangalam Reserved Forest is remarkable. There are about 442 species of plants, 100-125 species of Birds, around 40 species of butterflies, 8-10 species of mammals, 15-20 species of dragonflies and damselflies and 15-20 species of amphibians and reptiles. Some of the important medicinal plants exist in this Reserved Forest are Corallocarpus epigaeus, Sarcostemma acidum, Cissus quadrangularis, Andrographis paniculata, Gloriosa superba, Cassia auriculata, Cleistanthus collinus, Indigofera aspalathoides.

Objective

To create a near natural man made forests by undertaking high density planting with native indigenous species to improve the biodiversity of the area and at the same time to create green lungs in and around Chennai to ameliorate the micro-climate. The characteristics of species selected are mainly

- Indigenous
- Dry evergreen species
- Drought tolerant and Drought hardy
- Fruiting and flowering
- Native shrubs and creepers

Issues that need to be addressed immediately

1. Construction of compound wall / Protection barrier
2. Bio-diversity conservation
3. Conducting eco-awareness and publicity programme

Out of 320 Hectare of Nanmangalam Reserve Forest, an area of 18 Hectare is demarcated for taking up high density planting to improve biodiversity of the area and create green lungs which will improve the micro-climate in urban environment. This plantation will facilitate to enhance the habitat for wildlife especially for insects and birds by planting flowering and fruiting trees. The plantation will be done by Semi-Mechanical method like removal of Eucalyptus, ploughing the area, etc. Different espacement is followed for different canopy trees. The indigenous shrub and herb species seeds will be collected and sown.

3. The Principal Chief Conservator of Forests has furnished the abstract details of cost involved in the proposal is as follows:-

(Rs in lakhs)								
Sl. No.	Item of work	No of Seedlings	2018-19	2019-20	2020-21	2021-22	2022-23	Total
1.	Raising Nursery of taller seedlings (30 x 45 cm)	12375	16.09					16.09
2.	Planting taller seedlings (30 x 45cm)	11250		92.95				92.95
3.	1 st yr maintenance	11250			31.20			31.20
4.	2 nd yr maintenance	11250				30.81		30.81
5.	3 rd yr maintenance	11250					33.18	33.18
6.	Raising Nursery of smaller seedlings (16 x 30 cm)	4400	1.41					1.41

(Rs in lakhs)								
Sl. No.	Item of work	No of Seedlings	2018-19	2019-20	2020-21	2021-22	2022-23	Total
7.	Planting smaller seedlings (16 x 30 cm)	4000		4.73				4.73
8.	1 st yr maintenance	4000			8.94			8.94
9.	2 nd yr maintenance	4000				9.43		9.43
10.	3 rd yr maintenance	4000					10.15	10.15
11.	Cost of constructing compound wall for 1200 mts using perforated bricks (Rs.5270.27/ RM)	1200 Rm	63.24					63.24
Grand Total			80.74	97.68	40.14	40.24	43.33	302.13

4. The Principal Chief Conservator of Forests has therefore requested the Government to accord administrative approval for a sum of Rs.302.13 lakhs for a total period of five years from 2018-2019 to 2022-2023 and to release a sum of Rs.80.74 lakhs during 2018-2019, to implement the above scheme.

5. The Government after careful consideration of the proposal of the Principal Chief Conservator of Forests have decided to accept and accord Administrative sanction for an restricted outlay of Rs.2.50 crore (Rupees Two crore and Fifty lakh only) by reducing the maintenance cost to Rs.71.58 lakhs for carrying out Eco-restoration works in Nanmangalam Reserved Forest area of 18 Hectare out of 320 Hectare by undertaking high density planting for improving Biodiversity and for creating green lungs in and around Chennai over a period of 5 years from 2018-19 to 2022-23 and also release a sum of Rs.80.74 lakhs (Rupees Eighty lakh and Seventy Four thousand only) for the year 2018-2019, as per the cost table annexed to this order.

6. The expenditure sanctioned in para 5 above shall be debited to the following head of account:-

“4406 CAPITAL OUTLAY ON FORESTRY AND WILD LIFE –
01 Forestry – 101 Forest Conservation, Development and
Regeneration – State’s Expenditure – JL Eco-restoration of
Nanmangalam Reserved Forest, Chennai – 16 Major Works.
(DPC: 4406-01-101-JL-1603)”

7. The expenditure sanctioned in para 5 above shall constitute an item of “New Service” for which the approval of the Legislature will be obtained in due course. Pending approval of the Legislature, the expenditure may be initially met by drawal of an advance from the Contingency fund. The Principal Chief Conservator of Forests is directed to calculate the actual amount required

for the period up to next supplementary estimates and apply for sanction of the same as advance from the Contingency Fund to Finance (B.G-I) Department directly in Form 'A' appended to the Tamil Nadu Contingency Fund Rules, 1963 along with a copy of this order. Orders for sanction of an advance from the Contingency Fund will be issued from Finance (B.G-I) Department and also directed to send necessary explanatory note to Finance (B.G-I) / Finance (AHD&F) Department for inclusion of the expenditure in the Final Supplementary Estimates for the year 2018-2019 for getting the approval of the Legislature at an appropriate time without fail.

8. This order issues with the concurrence of Finance Department vide its U.O.No.49738/AHD&F/2018, Dated: 02.01.2019 and Additional Sanction Ledger No.2757 (Two Thousand Seven Hundred and Fifty Seven).

(BY ORDER OF THE GOVERNOR)

**SHAMBU KALLOLIKAR
PRINCIPAL SECRETARY TO GOVERNMENT**

To
✓ The Principal Chief Conservator of Forests
(Head of Department),
Chennai-15.
The Pay & Accounts Officer (South),
Chennai - 35.
The Principal Accountant General (A&E),
Chennai-18.
The Resident Audit Officer, Office of the Secretariat,
Chennai - 9.

Copy to :-

The Office of the Hon'ble Chief Minister, Chennai-9.
The Special Personal Assistant to the Hon'ble Deputy Chief Minister,
Chennai-9.
The Special Personal Assistant to the Hon'ble Minister(Forests),
Chennai-9.
The Private Secretary to Principal Secretary to Government,
Environment and Forests Department, Chennai - 9.
Finance (AHD&F / BG-I) Department, Chennai-9.
Stock File / Spare Copies.

// FORWARDED BY ORDER //

S. M. S. S.
15/1/19
SECTION OFFICER
V. S. S.

Annexure to the G.O.(2D)No. 06, Environment and Forests (FR.6) Department, Dated: 12.02.2019

Cost Table for the proposal "Eco-Restoration of Nanmangalam Reserve Forest area of 18 Hectare" (2018-2019-2022-2023)

Sl. No.	Item of work	Unit	2018-19 (Rs.)		2019-20 (Rs.)		2020-21 (Rs.)		2021-22 (Rs.)		2022-23 (Rs.)		TOTAL	
			Unit Cost	Rs.	Unit Cost	Rs.	Unit Cost	Rs.	Unit Cost	Rs.	Unit Cost	Rs.		
1	Raising Nursery of taller seedlings 30 X 45	Nos	130.00	12375	1608750.00								12375	
2	Planting taller seedlings (30x45cm) in Nanmangalam RF	Nos			826.222	11250	9295000.00						11250	
3	First year maintenance	Nos					253.227	11250	2848800.00				11250	
4	Second year maintenance	Nos							177.956	11250	2002001.00		11250	
5	Third year maintenance	Nos									11.698	11250	131600.00	11250
6	Raising Nursery of Smaller seedlings 16 X 30	Nos	32.00	4400	140800.00								4400	
7	Planting taller seedlings (16x30cm) in Nanmangalam RF	Nos			118.25	4000	473000.00						4000	
8	First year maintenance	Nos					223.50	4000	894000.00				4000	
9	Second year maintenance	Nos							235.625	4000	942500.00		4000	
10	Third year maintenance	Nos									85.05	4000	340200.00	4000
11	Cost of constructing compound wall for 1200 mts using perforated bricks (Rs.5270.27/ RM)	Rm	5270.27	1200	6324324.00								1200	
GRAND TOTAL					8073874.00		9768000.00		3742800.00		2944501.00		471800.00	(or)

SHAMBU KALLOLIKAR
PRINCIPAL SECRETARY TO GOVERNMENT

// True Copy //

S. Manjula
13/2/24
SECTION OFFICER
13/02/19