

Compensatory Afforestation Scheme over an area of 1.25 Ha of Non-Forest land identified in Sy.No.440/18, 19 & 20 of Laxmipuram (V) of Burgampahad (M) and the degraded Forest Land to an extent of 3.75 Ha in Compt.No.376, Thimmampeta RF Kotha Gundalapadu West Beat of Gundalapadu Section of Mulakalapally Range of Paloncha Division in lieu of of Forest Land to an extent of 4.2768 Ha proposed for Diversion for Laying of Water Pipe Line adjacent to existing pipeline from intake well at Iruvandi(V) of Burgampahad (M) of Manugur Division in favour of ITC, PSPD, Bhadrachalam

Non-forest CA lands (NFL):

Introduction:

The User Agency has applied the proposals of Forest Land to an extent of **4.2768 Ha** proposed for Diversion for Laying of Water Pipe Line adjacent to existing pipeline from intake well at Iruvandi(V) of Burgampahad (M) of Manugur Division in favour of ITC, PSPD, Bhadrachalam.

In this regard, the Principal Chief Conservator of Forests, TS, Hyderabad has informed that the Non-Forest land identified by the User Agency in Sy.No.440/18,19&20 of Laxmipuram (V) of Burgampahad (M)) to an extent of 5.00 Ha has been verified and authenticated by the Principal Chief Conservator of Forests, TS, Hyderabad vide Rc.No.19582/2018/FCA-1, Dt:-10-06-2022 in lieu of Forest land proposed for Diversion for Laying of Water Pipe Line adjacent to existing pipeline from intake well at Iruvandi(V) of Burgampahad (M) of Manugur Division in favor of ITC, PSPD, Bhadrachalam.

Accordingly, the area has been inspected by the District Forest Officer Bhadradi Kothagudem, Forest Divisional Officer, Paloncha along with concerned Forest Range Officer, Paloncha on 13.06.2022. The details of the Non-Forest land for CA area is as shown below.

| Sl. No. | Mandal | Village | Sy.No. | Area in Ha |
|---------|-------------|------------|----------------|------------|
| 1 | Burgampahad | Laxmipuram | 440/18,19 & 20 | 5.00 |

In this connection, it is further submitted that the above Non-Forest land to an extent of **3.75 Ha** is covered with Mango tree growth and **1.25 Ha** is plain out of **5.00 Ha**. Hence it is not possible to take up plantations in total area of 5.00 Ha in the above location.

In this connection the degraded forest land to an extent of **3.75 Ha** is identified in Compt. No.376, Thimmampeta RF of Kotha Gundalapadu West Beat of Gundalapadu Section Mulakalapally Range of Paloncha Division. The details are as shown below.

| Sl. No | Name of the Range | RF | Section | Beat | Compt. No. | Extent in Ha |
|--------|-------------------|-------------|-------------|------------------------|---------------|--------------|
| 1. | Mulakalapally | Thimmampeta | Gundalapadu | Kotha Gundalapadu West | 376 | 3.75 |
| | | | | | Total: | 3.75 |

Non-Forest Land :-

- 1. Legal status of the proposed area:** The proposed identified Non-Forest CA land in Sy.No.440/18, 19 & 20 of Laxmipuram (V) of Burgampahad (M) of Paloncha Division has been verified and authenticated by the Principal Chief Conservator of Forests, TS, Hyderabad vide Rc.No.19582/2018/FCA-1, Dt:-10-06-2022.
- 2. Soil description and terrain:** Soil in the proposed area is sandy loamy.
- 3. Flora and Fauna:** The proposed CA area is consisting species of Mango only.

The Non Forest land to an extent of **3.75 Ha** is covered with Mango tree growth and **1.25 Ha** is plain out of **5.00 Ha**. In this regard it is further submitted that the Revenue generated on sale of Mango usufruct will be remitted in to the appropriate Head of Government Account as per norms. After completion of the life time of Mango tree growth it will be harvested and Plantation will be taken up in any ongoing Schemes.

In addition to that it is proposed to raise 1.25 Ha Plantation in Non Forest land with an espacement of 2M x 3M, 1666 plants/ Ha, with operations like deep ploughing, circular weeding, cost of chemical fertilizers, application of fertilizers, watch and ward etc., maintenance of plantations upto (10) years as per calendar of operations during 2025-26 to 2035-36 and construction of (4 Nos.) Rock Fill Dams, (2 Nos.) of Percolation tanks, (1.15 Kms) chain link to be erected by user agency, one Protection watcher for (10) years and Construction of protection hut /watch tower for monitoring and protection of CA land. It is also proposed to create approach road to carry out and to facilitate the inspection of above works. Hence CA Scheme is prepared to an amount of Rs.**84.41092** Lakhs to the Non-Forest CA area. The details are as shown below.

| Sl. No. | Scheme proposals | Amount (Rs. In lakhs) |
|---------|--|----------------------------------|
| 1. | Raising, Conversion and Maintenance of Nursery | 0.81014 |
| 2. | Advance operations | 0.90382 |
| 3. | Raising of NTSH Plantation (SMM) | 1.99516 |
| 4. | 1 st year to 10 th year maintenance of plantations | 4.47691 |
| 5. | Creation of Inspection Path (1.152km) | 0.32950 |
| 6. | Construction of Chain link fencing (1.152 km) | To be erected by the User agency |
| 7. | Creation and Maintenance of Fire lines (4 Kms) | 0.86720 |
| 8. | Construction of Percolation Tanks (2 Nos.) | 6.60000 |
| 9. | Construction of Rock Fill Dams (4 Nos.) @ 11000 per each | 0.44000 |
| 10. | One protection watcher for (10) years | 32.81446 |
| 11. | Construction of protection hut /watch tower for monitoring and protection of CA land | 27.500 |
| | Total: | 76.73720 |
| | Administrative cost 10% | 7.67372 |
| | Total: | 84.41092 |

Degraded forest lands (DFL) for CA:

1. Introduction:

Degraded Forest Land: The identified Non-Forest CA land to an extent of 5.00 Ha, an area of 3.75 Ha is covered with Mango Tree growth and 1.25 Ha is plain. In addition to the above Non-Forest CA land, the degraded forest land to an extent of 3.75 Ha is also proposed for CA in Mulakalapally Range of Paloncha Division to meet the requirement of planting 1111 plants / Ha (SMM) of Forest land diverted to an extent of **4.2768 Ha** for Laying of Water Pipe Line adjacent to existing pipeline from intake well at Iravendi(V) of Burgampahad (M) of Manuguru Division in favor of ITC, PSPD, Bhadrachalam.

The details of areas identified for DFL CA with < 0.4 density are as follows.

| Sl. No. | Name of the Range | RF | Section | Beat | Compt. No. | Extent in Ha |
|---------|-------------------|-------------|-------------|------------------------|---------------|--------------|
| 1 | Mulakalapally | Thimmampeta | Gundalapadu | Kotha Gundalapadu West | 376 | 3.75 |
| | | | | | Total: | 3.75 |

2. THE SCHEME - TREATMENT MODELS AND OPERATIONS PROPOSED:

Planting Technique:-

It is proposed to raise NTSH plantation to an extent of degraded forest land 3.75 Ha from 2025-2026 to 2035-2036.

- 1. Raising of misc. nursery:** The seedlings suitable for soil with (2) year old are to be raised for planting during 2024-2025 and Maintenance of bag plant nursery (April to March) during 2025-26 to 2027-28.
- 2. Taking up advance operations:** The plantation under this programme is proposed to raised by adopting Semi Mechanical Method. The advance operations to be carried out are survey and demarcation, clearance of existing unwanted growth, Collection & Removal of uprootal of stumps and Tilling during 2024-25.
- 3. Raising of plantations:** The planting will be taken in forest land with an espacement of 3M x 3M, 1111 plants/ Ha, with operations like deep ploughing, circular weeding, Cost of Chemical fertilizers, Application of fertilizers, watch and ward etc., and maintenance of plantations upto (10) years as per calendar operations during 2025-26 to 2035-36.
- 4. Soil and moisture conservation works:** It is proposed to carry out SMC works like Staggered trenches, Construction of Percolation Tanks and Construction of Check dams in the CA areas during 2023-2024.
- 5. Awareness programmes:** It is proposed to conduct awareness programmes / motivation camps in the nearby villages on importance of forests and prevention of fire and other biotic pressures. The expenditure will be met from Administrative cost.
- 6. Administrative Costs (Over Heads):** As the work involves lot of record maintenance, book keeping and mobility of the field officers it is required to provide 10% of treatment cost (Nursery & Raising of NTSH plantations) towards over heads and monitoring of implementation of the Scheme.

PROJECT COST: The total financial out lay of the project is Rs.**35.92589** lakhs.

Nursery raising and maintenance is proposed in 2023-24 & 2026-27, Advance operations 2024-25, Raising of plantation starts from 2025-26 and Maintenance of plantations (1st year to 10 years) 2026-27 to 2035-36 and SMC works. The annual requirement of funds have been worked out on the basis of 2022-23 FSR with 10% annual escalation for the remaining project period up to 2035-36. The details are shown below.

| Sl. No. | Item of work | Amount (Rs. in Lakhs) |
|---------|--|-----------------------|
| 1. | Raising, Conversion and Maintenance of Nursery | 2.22772 |
| 2. | Advance operations | 2.71147 |
| 3. | Raising of NTSH Plantation (SMM) | 4.24721 |
| 4. | 1 st year to 10 th year maintenance of plantations | 9.27470 |
| | Total : | 18.46111 |
| | SMC works | |
| 5. | Staggered trenches in CA DFL | 1.54880 |
| 6. | Construction of PT (2 Nos.) | 6.600 |
| 7. | Construction of Check dam (1 No.) | 6.050 |
| | Total: | 14.19880 |
| | Sub Total: | 32.65991 |
| 8. | 10% Administrative cost | 3.26599 |
| | Grand Total: | 35.92589 |

Project Period :

It is proposed to implement the scheme from 2023-24 to 2035-36 over a period of (12) years.

Funding Agency :

The total financial out lay met by the user agency i.e., Unit Head ITC, Bhdrachalam Paper Boards Limited, Sarapaka, Bhdradri Kothagudem District who will deposit the funds with the Forest Department.

Project implementing Agency :

The Forest Divisional Officer, Paloncha will be the implementing agency for this scheme.

Cost of Structure :

Basic rates proposed as per FSR of 2022-23 and 10% price escalation is proposed every year over the basic rates of FSR of 2022-23.


Mode of Execution:

It is proposed to implement the above proposals through VSS adopting Joint Forest Management concept wherever possible or by Departmental execution method. In addition to the existing staff of Forest Department logistic support and necessary manpower are required for effective implementation of the project which will be hired through outsourcing from the administrative cost.

Annexures:

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| Annexure II | Abstract of Compensatory Afforestation Scheme on CA DFL and NFL |
| Annexure III | Unit cost Data sheets |


DISTRICT FOREST OFFICER
Bhadrachal Kothagudem Dist,
Kothagudem


Forest Divisional Officer
Paloncha 