

Compensatory Afforestation Scheme over an area of 1.99 Ha on Non-Forest Land in Sy.No.349/1 of Mandalapally Village of Dammapeta Mandal and Degraded Forest Land Forest land in Compt.No.296 of Achuthapuram Beat of Naramvarigudem RF of Dammapeta Range of Paloncha Division in lieu of diversion of 1.99 Ha of Forest land for Establishment of Police/CRPF CAMP for anti extremist operation duties in interstate bordering areas near Chennapuram Village of Charla Mandal, Charla Range of Bhadrachalam Division in Bhadradi Kothagudem District

A. Non-forest CA lands (NFL):

1. Introduction:

The User Agency has applied the diversion proposals of 1.99 Ha of Forest land for Establishment of Police/CRPF CAMP for anti extremist operation duties in interstate bordering areas near Chennapuram Village of Charla Mandal, Charla Range of Bhadrachalam Division of Bhadradi Kothagudem District.

In this regard, the District Forest Officer, Bhadradi Kothagudem vide Rc.No.74/2021/D1, Dt:29-06-2021 has issued instructions to submit the feasibility report on suitability of land for Compensatory Afforestation which is available of Non-Forest land to an extent of Ac.5.00 gts in Sy.No.349/1 in Mandalapally village of Dammapeta Mandal in lieu of Forest lands proposed for diversion of 1.99 Ha of Forest land for establishment of Police/CRPF CAMP for anti extremist operation duties in interstate bordering areas near Chennapuram Village of Charla Mandal, Charla Range of Bhadrachalam Division. Accordingly, the area has been inspected by the Forest Divisional Officer, Paloncha along with concerned Forest Range Officer, Dammapeta on 01.07.2021. The details of the CA area is as shown below.

Sl. No.	Mandal	Village	Sy.No.	Area in Ha
1	Dammapeta	Mandalapally	349/1	1.99

In this connection, it is further submitted that the above, Non-forest land to an extent of 1.99 Ha is hillock and covered with good vegetation and it is not possible to take up any plantation in the said area. Keeping in view the nature of the Non-Forest land, it is proposed to take up cultural operations like singling, coppicing and bush clearance. Hence CA Scheme is prepared to an amount of

Rs. 23.87231 lakhs to deal these Non-Forest CA areas. As the areas are isolated with a small patches with lot of biotic pressure from adjoining villages and there is every possibility of encroachment of this land for agriculture or quarrying. Hence suitable protection measures are needed from biotic pressure and encroachment. Hence chainlink fence is proposed all around the boundary of the CA area. The details are as shown below.

1. **Legal status of the proposed area:** The proposed identified area in Sy.No.349/1 in Dammapeta Mandal is revenue lands and the District Collector, Bhadradi Kothagudem vide Rc.No.E1/306/2021, Dt:03.07.2021 has issued instructions to the Tahasildar, Dammapeta to mutate the CA land Acs. 5.00 gts in favour of Forest Department in online and manual Revenue records and hand over the above mentioned CA land to the Forest Range Officer,, Dammapeta.
2. **Soil description and terrain:** Soil in the proposed area is eroded and ranging from red morram soil to red soils with saline patches here and there.
3. **Flora and Fauna:** The proposed CA area is consisting species of Tuniki, Vepa, Narlengi, Sandra, Billudu, Kodisa, Thiruman, Bontha, Narepi, Aare etc. The movement of small nocturnal animals is observed.

4. **THE SCHEME - TREATMENT MODELS AND OPERATIONS PROPOSED:**
Silvicultural Operations : The area identified for Compensatory Afforestation is having good variety or viable root stock. Offering absolute protection to these degraded area is the best course of action for developing the area into productive forests. Further this area also require silvicultural interventions such as Coppicing, Singling, climber cutting, clearing of unwanted growth.

Protection of CA land: The boundary pillars are also proposed all around the CA land to facilitate notification of CA lands as PF/RF.

Awareness programmes: It is proposed to conduct awareness programmes / motivation camps to the nearby villagers on importance of forests and prevention of fire and other biotic pressures. The expenditure will be met from Administrative cost.

Administrative Costs (Over Heads): For record maintenance, book keeping and mobility of the field officers it is required to provide 10% of treatment cost (Construction of Boundary Pillars & Chain link fencing) towards over heads and monitoring of implementation of the Scheme.

PROJECT COST: The total financial out lay of the project is Rs. 23.87231 Lakhs.

The annual requirement of funds have been worked out on the base of 2021-22 FSR with 10% annual escalation for the project.

The component wise details in brief are as follows.

S. No	Scheme Proposals	Cost in Lakhs
1	Singling, Coppicing, Bush cleaning	0.2021
2	Construction of boundary Pillars	2.000
3	Erection of chain link fencing (1.3 kms)	19.50
	S-Total:	21.7021
4	Administrative cost 10%	2.17021
	Total:	23.87231

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:

Annexure I	Abstract of Compensatory Afforestation Scheme for NFL
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B. Degraded forest lands (DFL) for CA:

1. Introduction:

In addition to the Non-Forest CA land an area of 2.00 Ha is also proposed in degraded forest land in compt.No.296 of Achuthapuram Beat of Naramvarigudem RF of Dammapeta Section of Dammapeta Range to meet the requirement of planting 1111 plants/ ha of forest land diverted for the Project.

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	Dammapeta	Naramvarigudem	Dammapeta	Achuthapuram	296	2.00

2. THE SCHEME - TREATMENT MODELS AND OPERATIONS PROPOSED:

Planting Technique:-

It is proposed to raise NTSH plantation to an extent of 2.00 Ha from 2024-2025 to 2034-2035.

1. Raising of misc. nursery: The seedlings suitable for soil with (2) year old are to be raised for planting during 2022-2023 and Maintenance of bag plant nursery (April to March) during 2023-24 to 2024-25.

2. Taking up advance operations: The plantation under this programme is proposed to raise 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 2023-24.

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 2024-25 to 2034-35.

4. Soil and moisture conservation works: It is proposed to carry out SMC works like Protection trenches (500 Rmt x 1.50+1.00/2x2.00 = 1250 cum) and Staggered trenches in the CA areas during 2022-2023.

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.

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.16.79178 Lakhs. Nursery raising and maintenance is proposed in 2022-23 & 2023-24, Advance operations 2023-24, Raising of plantation starts from 2024-25 and Maintenance of plantations (1st year to 10 years) 2025-26 to 2034-35 and SMC works. The annual requirement of funds have been worked out on the basis of 2020-21 FSR with 10% annual escalation for the remaining project period up to 2034-35. The details are shown below.

Sl. No.	Item of work	Amount (Rs. in Lakhs)
1	Raising of primary beds	0.03707
2	Raising of bag plants of 6"x8"	1.48052
3	Conversion of bag plants from 6"x8" to 9"x11"	2.41582
4	Maintenance of bag plants of 9"x11"	2.92705
	Total:	6.86046
5	Advance operations	0.98096
6	Raising of NTSH Plantation (SMM)	2.48321
7	1 st year to 10 th year maintenance of plantations	3.83407
	Total :	7.29824
	SMC works	
8	Protection trenches in DFL CA	0.68063
9	Staggered trenches in DFL CA	0.42592
	Total:	1.10655
	Sub Total:	15.26525
	10% Administrative cost	1.52653
	Grand Total:	16.79178

Project Period :

It is proposed to implement the scheme from 2022-23 to 2034-35 over a period of (12) years.

Funding Agency :

The total financial out lay met by the user agency i.e., Superintendent of Police, Bhadradi Kothagudem 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 2020-21 and 10% price escalation is proposed every year over the basic rates of FSR of 2020-21.

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:

Annexure II	Abstract of Compensatory Afforestation Scheme on DFL
Annexure III	Unit cost Data sheets


Forest Divisional Officer
Paloncha

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20/08/2024