

Compensatory afforestation scheme for Non-forest CA lands and degraded forest lands for Diversion of 1.987 Ha. of Forest Land for Establishment of CRPF CAMP in favour of the Superintendent of Police, Bhadradi Kothagudem District, Kothagudem.

A. Non-forest CA lands (NFL):

1. Introduction:

In lieu of diversion of forest land over an extent of 1.987 Ha of Forest land in Charla Range of Bhadrachalam Division for establishment of CRPF CAMP in favour of the Superintendent of Police, Bhadradi Kothagudem District, Kothagudem Compensatory Afforestation area has identified in Puligundala village Dummugudem Range, Ricepeta village of Charla Range and Charla mandal of Bhadrachalam Division as detailed below.

Sl.No.	Name of the Range	Name of the village	Survey. No.	Extend of land proposed in Ha.
1	2	3	4	5
1	Dummugudem	Puligundala	1	1.16
2	Charla	Ricepeta	117	1.22
		Total:		2.38

The non-forest CA lands are mostly boulders with rocky patches of hillocks in nature, having moderate standing growth of vegetation of mostly miscellaneous species. There is no good natural regeneration in the CA areas. The soil is of mostly red morram and degraded with continuous erosion. 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 these lands for agriculture or for quarry. Hence suitable protection measures are needed from biotic pressure and encroachment by way of protection wall or chain link fence. The identified CA areas are hill areas and rocky patches and also having Misc. bush growth. Therefore, the equivalent degraded forest area (DFL) is identified in the following stretch.

Sl.No.	CA AREAS	CA area in Ha.	Degraded areas identified.	Area in Ha.
1)	Puligundala village, of Dummugudem Range	1.16	Gannavaram colony East	2.38
2)	Ricepeta village of Charla Range	1.22		

The selected area is easily accessible by road and found suitable for Compensatory Afforestation.

Accordingly, keeping in view of the above points, a plan is prepared for protection of the CA area with a financial outlay of **Rs.17.2485 Lakhs** and is submitted.

2. **Legal status of the proposed area:** The proposed identified areas in said Sy.No.1 of Dummugudem Range and Sy.No.117 of Charla Range of Charla mandal are revenue lands and the District Collector, Bhadradi Kothagudem has issued NOC that these lands will be mutated and transferred in the name of forest department upon issue of Stage-I approval.

3. **Soil description and terrain:** The proposed areas soil is eroded and are ranging from red morram soil to red soils with saline patches here and there.

6. FLORA AND FAUNA:

In the proposed degraded Forest area the species available apart from the above, are Musti, Tuniki, Pala, Billudu, Sandra and no rare / endangered flora and fauna are observed.

7. THE SCHEME - TREATMENT MODELS AND OPERATIONS PROPOSED:

Protection of CA land: It is proposed to take up for protecting the areas by providing Chain link fencing along the periphery of the CA areas. The said protection work shall be carried out either by involvement of VSS members or through Departmental execution.

Erection of Chain link fencing around the CA areas with gates are proposed. The boundary pillars are also proposed around the CA lands to facilitate notification of CA lands as PF/RF.

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 towards over heads and monitoring of implementation of the Scheme.

PROJECT COST: The total financial out lay of the project is Rs.17.2485 lakhs.

The component wise details in brief are as follows.

S. No	Name of the CA area	Scheme Proposals	Cost in Lakhs
1	Puligundala Village	Construction of boundary pillars (475 mts Peripheri)	0.36300
2		Construction of boundary pillars - Intermediate	0.29040
3		Construction of Gates	1.10000
4		Fencing – km	6.60000
		Protection Total	8.35340
5		Administrative cost 10% over Core	0.83534
		Total year wise outlay of the project	9.18870
1	Ricepeta Village	Construction of boundary pillars (410 mts Peripheri)	0.36300
2		Construction of boundary pillars - Intermediate	0.25410
3		Construction of Gates	1.10000
4		Fencing - km	5.61000
		Protection Total	7.32710
5		Administrative cost 10% over Core activities	0.73271
		Total year wise outlay of the project	8.05980
		Grand Total:	17.2485

MODE OF EXECUTION:

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

Annexures:

Annexure I	Abstract of Compensatory Afforestation Scheme
Annexure II	Year wise Estimated cost Compensatory Afforestation
Annexure III	Unit cost Data sheets


 10/01/22
 Forest Divisional Officer
 Bhadrachalam

B. Degraded forest lands (DFL) for CA:

1. Introduction:

In addition to the above 2.38 Ha of non-forest CA land, an area of 2.38 Ha. is also proposed for CA in degraded forest land in Charla Range to meet the requirement of planting 1111 plants/ ha of forest land diverted for the Project. Details are as shown below.

Sl. No.	Name of the Range	RF	Section	Beat	Compt. No.	Extent in Ha	GPS readings of the Location	
							Latitude	Longitude
1	2	3	4	5	6	7	8	9
1	Charla	Charla	Charla	Gannavaram colony East	77B	2.38	18.119999	80.818166

2. THE SCHEME - TREATMENT MODELS AND OPERATIONS PROPOSED:

Plantations: It is proposed to take up compensatory afforestation of **NON-TEAK SECONDARY HARDWOOD SPECIES (NTSH)** through Semi-mechanical method, with CPT along the periphery of the DFL CA area.

The above Reforestation work shall be carried out either by involvement of VSS members wherever possible or through Departmental execution.

The operation to be carried out are Survey and demarcation, clearance of existing unwanted growth, uprootal, burning, ploughing, inter-ploughing, scoping of 60 cm cube pits and planting at 3 x 3 m espacement with 10 years of maintenance etc. Watering of plants is provided for raising year.

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 and plantation raising) towards over heads and monitoring of implementation of the Scheme.

PROJECT COST: The total financial out lay of the project is Rs.18.518 lakhs.

Nursery raising and maintenance is proposed in 2022-23 & 2023-24, Advance operations 2023-24 and raising of plantation starts from 2023-24. The annual requirement of funds have been worked out on the base cost of 2021-22 FSR with 10% annual escalation for the remaining project period up to 2033-34.

The component wise details in brief are as follows.

S. No	Scheme Proposals	Cost in Lakhs
1	Nursery raising and maintenance	6.80316
2	Raising of plantations with 10 years of maintenance	10.03138
	Total:	16.83454
3	Administrative Cost(10%)	1.6835
	Total	18.518

Mode of Execution:

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

Annexures:

Annexure IV	Abstract of Compensatory Afforestation Scheme on DFL
Annexure V	Year wise Estimated cost Compensatory Afforestation
Annexure VI	Unit cost Data sheets

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