

**Compensatory afforestation scheme for diversion of 369.0922 ha of forest land for Sitarama lift irrigation project in favour of Chief Engineer, Irrigation Projects, Khammam of Kothagudem division of Bhadravari Kothagudem district, in degraded forest lands**

**A. Degraded forest lands (DFL) for CA:**

**1. Introduction:**

In lieu of diversion of forest land over an extent of 369.0922 ha under Sita Rama Lift Irrigation Project, an extent of 175 ha area of Degraded Forest Lands CA land has been identified for raising Compensatory Afforestation in Kothagudem, Ramavaram and Chandrugonda Ranges. Further, an area of 55 Ha lost Plantations already existing in Diversion of Canal area under Sita Rama Lift Irrigation Project. Total 230 Ha are proposed for raising of CA lands. The details of areas are as follows.

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

Sl. No.	Range	Compartment	Area in Ha
1	Kothagudem	5	75
2	Ramavaram	32 & 33	50
3	Chandrugonda	128	50
4	Ramavaram	12	55
		<b>TOTAL::</b>	<b>230</b>

**1. 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 Afforestation and Reforestation works shall be carried out either by involvement of VSS members wherever possible or through Departmental execution.

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

**Soil and moisture conservation works:** It is proposed to carry out SMC works like Digging of SCT, Constructions of Percolation tank etc in the CA areas.

**Awareness programmes:** It is proposed to conducting 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):** 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, plantations raising and SMC works) towards over heads and monitoring of implementation of the Scheme.

**PROJECT COST:** The total financial out lay of the project is Rs. 1423.60059 lakhs.

Nursery raising and maintenance is proposed in 2018-19 & 2019-20, Advance operations 2019-20 and raising of plantation starts from 2020-21. The annual requirement of funds have been worked out on the base cost of 2017-18 FSR with 10% annual escalation for the remaining project period up to 2030-31.

The component wise details in brief are as follows.

S. No	Scheme Proposals	Cost in Lakhs
1	Nursery raising and maintenance	132.00179
2	Raising of plantations with 10 years of maintenance	1090.12507
3	SMC Works	72.05550
4	Administrative Cost	129.41824
	<b>Total</b>	<b>1423.6006</b>

**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 on DFL
Annexure II	Year wise Estimated cost Compensatory Afforestation
Annexure III	Unit cost Data sheets

  
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KOTHAGUDEM CIRCLE

**ANNEXURE-I**

**Abstract of Compensatory Afforestation Scheme on DFL in Kothagudem Division**

Sl. No.	Item of work	Amount in Lakhs
1	Raising, Conversion and Maintenance of Nurseries	132.00179
2	Raising & Maintenance of Plantations (10 Years)	1090.12507
3	SMC Works	72.05550
4	Admn Cost	129.41824
	<b>TOTAL::</b>	<b>1423.60059</b>

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