

**COMPENSATORY AFFORESTATION SCHEME IN LIEU OF THE FOREST
LAND PROPOSED FOR DIVERSION GANGAMMA SSIRASSU RESERVOIR
IN FAVOUR OF EXECUTIVE ENGINEER, IRRIGATION DEPARTMENT,
CHITTOOR DISTRICT.**



As per section 3.2 and 3.4 of the Forest (Cons.) Act, 1980, it envisages to raise compensatory afforestation over the extent of equal non-forest land. The Executive Engineer, Irrigation Department, Palamaner, has proposed for "Formation of reservoir across Gangamma Sirassu near Nalagampalle village including diversion system to supply drinking water to Palamaner Town" & Mandal in Compt.No. 287 of Basivireddipalle Extension-B RF in Palamaner Range. The user agency has identified an extent of 7.16 Acres or 2.90 Ha in Sy.No.105/2 & 105/3 (old Sy.No.85) of Kaigallu village of Baireddipalle Mandal in Chittoor District adjoining to Compt.No.247 of Thotakanuma RF & Beat, Palamaner Range which is to be transferred for Compensatory Afforestation purpose. The District Collector, Chittoor has issued orders vide Prog. Rc.No. REV-ESEC/456/2017-SA(E8)-CTRCO, dt.03.05.2018 for transfer to forest department and the Tahsildar, Baireddipalle Mandal has to transfer and mutate the land in favour of Forest Department as per orders of the District Collector, Chittoor.

The identified Compensatory Afforestation land is situated on river bed of Kaigallu river adjoining to Compt.No.247 of Thotakanuma RF & Beat, Palamaner Range and is spreading along the notified RF line Thotakanuma RF as a linear patch of 500 mts width. There is a river passing adjoining the area which in turn going in to the same reserved forests at a distance of ½ km. The area is with gentle slope having natural tree growth of more than 5 - 8 mtrs comprising of chigara as dominant species followed by Nerrudi, soap nut etc., and forming in single patche. The drainage is good. Soil depth is also good.

Soils :

The soils are Hard gravelly soils mixed with small size boulders and the soil depth is good. Due to sloppiness ploughing of the area may lead to erosion. Hence ploughing shall be avoided and digging 1 Mtr cum pits with machine after clearing unwanted growth and planting with tall seedlings, duly adding sufficient quantity of Tank Silt, F.Y.M and imported soil, is the suitable method for raising plantation.

Soil and moisture conservation works are to be constructed. Fencing is chain link mesh is proposed in this area. The total surveyed area 2.90 Ha and the user agency will transfer the total 2.90 Ha to Forest Department. The effective required area is 2.50 Ha afforestation by following the one mtr Cum pit method.

Technique :

The total of 2.50 Ha area, is proposed under trench cum pit method. The nursery stock raised in 8"x15" size poly pot or Tall plants in woven socks will be planted in 1.00 cube pits. The area varies between plain to gentle sloppy. Hence this area is suitable for raising Misc. Plantation by trenches / pits etc., The operations like Boundary demarcation, Singling & Coppices cutting, Soil working and weeding, Fire tracing operations are necessary. Due to river bed the existing and also most top soil is totally eroded, it is proposed to import soil and to refill the planting pit at the time of planting for having to grow good plantation. The plantation will be taken up during the project period and after completion, the area will be tagged on to the adjacent Beat.

The scheme is spreaded over a period of 10 years commencing from 2019-18 to 2030-31 and worked out to a cost of **Rs.26.55 Lakhs.**


The details of scheme proposals for CA Plantation (2.50 Ha) is as follows.

	(Rs. in Lakhs)
A) Erection of chainlink fence in non forest land	5.800
B) Advance works including Raising of Nursery	2.412
C) Raising of Misc. Plantation	0.962
D) 1 st year Maint.	1.071
E) 2 nd year Maint.	0.622
F) 3 rd year Maint.	0.262
G) 4 th year Maint.	0.288
H) 5 th year Maint.	0.317
I) 6 th to 10 th year maintenance	2.126
J) SMC -Const. CC Dams	5.000
K) Construction of Pillars	1.650

L)	Nursery infrastructure & upgradation	5.000
M)	Contingencies & over heads	1.041
	TOTAL :	26.550

IMPLEMENTING AGENCY:

The A.P. Forest Department will take up the responsibility for implementation of the Compensatory Afforestation scheme with the funds deposited by the user agency and the scheme will be monitored by the Prl. Chief Conservator of Forests, Andhra Pradesh, Guntur through its mechanism.

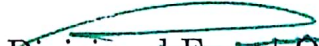

 Divisional Forest Officer,
 Chittoor West Division, Chittoor.

Field Inspection notes of Sri T. Chakrapani, M.Sc., Ed., Divisional Forest Officer, Chittoor West Division, Chittoor on C.A.Land for Gangamma Sirassu Reservoir applied by Irrigation Department on 24.05.2018.

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Inspected the Revenue land offered for Compensatory Afforestation in lieu of forest land proposed for diversion "Formation of reservoir across Gangamma Sirassu near Nalagampalle (V) including diversion system to supply drinking water to Palamaner Town" & Mandal applied by Executive Engineer, Irrigation Department, Palamaner on 24.05.2018 along with the Forest Range Officer, Palamaner and beat staff. The non forest land in Sy.No.105/2 & 105/2 (carved from old Sy.No.85) extent 7.16 Acres or 2.90 Ha of Kaigallu village of Baireddipalle Mandal is on river bank adjoining to the Compartment No. 247 of Thotakanuma RF & Beat, Palamaner Range of Chittoor West Division, which is allotment to the Forest Department vide District Collector, Chittoor Prog. Rc.No. REV-ESEC/456/2017-SA(E8)-CTRCO, dt.03.05.2018 and is convenient/ suitable for afforestation from the Management protection point of view.

Further the area is having natural tree growth of more than 5-8 mtrs comprising of chigara as dominant species followed by Nerrudi, soap nut etc., and the tree growth can be further boosted with strict protection followed by SMC works.


Divisional Forest Officer
Chittoor West Divn. Chittoor.