

Safety Zone Compensatory Afforestation Scheme for the Degraded Forest land identified in compt.no.708 in Thakkallapally beat of Thakkallapally section and compt.no.476 Kunaram beat of Kunaram section of Peddapally Range an extent of 14.04 Ha (10.00 + 4.04) in Peddapally District of Telangana State proposed for Regularization of diversion of 330.1826 Ha forest land in Upperlakesoram Forest Block in Manthani Range in favour of SCCL

In accordance with the Forest (Conservation) Act, 1980 raising of Safety Zone Compensatory Afforestation is necessary in lieu of Degraded forest land area proposed to be diverted for proposed for Regularization of diversion of 330.1826 Ha forest land in Upperlakesoram Forest Block in Manthani Range in favour of SCCL.

Justification for SZA Scheme proposal: The proposed SZA scheme is prepared for 14.04 Ha of Degraded Forest Land in compt.No. 708 (Thakkallapally RF) Thakkallapally beat, Thakkallapally Section and compt.No. 476 (Kunaram RF) Kunaram beat, Kunaram Section of Peddapally Range of Peddapally District including certain components.

In the SZA scheme all the Semi Mechanical Method afforestation models proposed and full protection of the land by way of trench around SZA land is proposed in the SZA scheme for improvement, conservation of flora and fauna. The present SZA scheme is prepared based on 10% extra on 2020-21 Forest Schedule of Rates. The CA scheme is proposed as follows.

I have inspected the said SZA land on **17.10.2020** along with Forest Range Officer, Peddapally and concerned Staff. The status of terrain and existing species is as follows:

1. Compt.No.708/Thakkallapally Beat/ Thakkallapally Section/10.00 Ha and Compt.No.476/Kunaram Beat/ Kunaram Section/4.04 Ha: The terrain is plain and Gentle slopes. The existing species are Eucalyptus failure plantation and Shrub jungle etc.,. The density of vegetation is about 0 to 0.1 Small blank patches and soil erosion is also noticed here and there. 14.04 Ha of area is proposed under Semi Mechanical Method planting and SMC works like Checkdams, Staggered Trenches, Percolation Tanks and CPT proposed for effective protection of SZA land from Biotic interference.

OBJECTIVE:

The main objective of the scheme is to keep ecological balance of the area by protecting the existing vegetation, protection of area from further degradation, checking of soil erosion, improvement soil and moisture conservation, by way of Planting under SMM model, carrying out certain SMC works and protection of area from biotic pressure by providing CPT around the area etc., this will help in ground water recharge and improving biodiversity in the area.

TECHNIQUE:

Planting under Semi Mechanical Method:

Planting under Semi Mechanical Method is proposed over an area of 14.04 Ha @ 1111 plants per Ha.

Sl.No	Section	Location / Beat	Planting + SMC works	Total
1	Thakkallapally	Thakkallapally	10.00	10.00
2	Kunaram	Kunaram	4.04	4.04
		TOTAL	14.04	14.04

PROJECT PERIOD:

It is proposed to implement the scheme from 2021-22 to 2033-34 over a period of (10) years including advance operations, Raising and maintenance. The total financial outlay is **Rs.243.148 lakhs**.

FUNDING AGENCY:

The total financial outlay will be met by the User Agency who will deposit the funds with Forest Department i.e., in favour of the Adoc CAMPA Account after getting stage-I approval.

EXECUTIVE AGENCY:

The District Forest Officer, Peddapally will be the implementing agency for this Compensatory Afforestation Scheme.


PROJECT PROPOSALS:

The total financial outlay is Rs.243.148 lakhs. The Abstract annual financial outlay is as follows.

Sl.No	Year	Amount (Rs in laks)
1	2021-22	63.534
2	2022-23	46.095
3	2023-24	31.064
4	2024-25	22.774
5	2025-26	24.394
6	2026-27	24.871
7	2027-28	9.189
8	2028-29	0.556
9	2029-30	2.849
10	2030-31	5.251
11	2031-32	3.243
12	2032-33	5.776
13	2033-34	3.552
	TOTAL	243.148

The Physical and Financial targets proposed scheme wise, component wise and year wise are furnished in the statement enclosed.

NOTE: Rates proposed are with 10% raise over FSR 2020-21. These rates may approved.


District Forest Officer
Peddapally

Year wise detailed Abstract of Safety Zone Afforestation Scheme for 14.04 Ha in Degraded Forest Land (DFL) in Peddapally District in favour of SCCL

Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2021-22			2022-23			2023-24			2024-25		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
I	Raising of Plants in Nurseries & their Maintenance, Procurement of Plants														
1	Raising of Primary beds	Plant	0.6128	25000	0.674	0.169	0	0.741	0.000						
2	Raising of Bag Plants of 6"x8"	Plant	24.4713	25000	26.918	6.730	0	29.610	0.000						
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	39.9310				25000	48.316	12.079						
4	Maintenance of Bag Plants of 9"x11"	Plant	31.4177				25000	38.015	9.504						
5	Maintenance of Bag Plants of 9"x11"	Plant	15.7889							25000	20.526	5.131			
5	Nursery Infrastructure	each	1500000	1	1500000	15.000									
	Sub Total:					21.898			21.583			5.131			0.000
II	Planting activities (SMM) in DFL														
1	Advance Operations	Ha	33000				14.04	39600.00	5.560						
2	Raising of Plantation	Ha	126610							14.04	164592.60	23.109			
3	1st Year Maintenance	Ha	105330										14.04	147461.61	20.704
4	2nd Year Maintenance	Ha	105300												
5	3rd Year Maintenance	Ha	100650												
6	4th Year Maintenance	Ha	35000												
7	5th Year Maintenance	Ha	2000												
8	6th Year Maintenance	Ha	9709												
9	7th Year Maintenance	Ha	17000												
10	8th Year Maintenance	Ha	10000												
11	9th Year Maintenance	Ha	17000												
12	10th Year Maintenance	Ha	10000												
	Sub Total:					0.000			5.560			23.109			20.704
III	SMC Works														
13	Protection trenches in DFL CA within vicinity of CA-DFL (3000 Rmt x 1.50+1.00/2 x 2.00=7500 Cmm)	Cum	45.00	7500.00	49.500	3.713									
14	Staggered trenches in DFL CA within vicinity of CA-DFL	Cmt	440.00	500.00	484.000	2.420	500.00	532.400	2.662						
15	Construction of CC Checkdams	Nos	1000000	2.00	1000000	20.000	1.00	1100000	11.000						
16	Formation of Percolation tanks	Nos	250000	2.00	250000	5.000	0.00	275000	0.000						
17	Formation of Mini Percolation tanks	Nos	100000	2.00	100000	2.000	1.00	110000	1.100						
	Sub Total:					33.133			14.762			0.000			0.000

Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2021-22			2022-23			2023-24			2024-25		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
IV	Provision of Monitoring facility for effecting implementation of afforestation														
28	Purchase of office equipments of for monitoring project for senior officers, FRO's & office staff	Ls		Ls	300000	3.000									
	Sub Total:					3.000			0.000			0.000			0.000
V	Administrative Cost - 10%					5.503			4.190			2.824			2.070
	Total year wise outlay of the project						63.534			46.095			31.064		22.774

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Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2025-26			2026-27			2027-28			2028-29		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	17	18	19	20	21	22	23	24	25	26	27	28
I	Raising of Plants in Nurseries & their Maintenance, P														
1	Raising of Primary beds	Plant	0.6128												
2	Raising of Bag Plants of 6"x8"	Plant	24.4713												
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	39.9310												
4	Maintenance of Bag Plants of 9"x11"	Plant	31.4177												
5	Maintenance of Bag Plants of 9"x11"	Plant	15.7889												
5	Nursery Infrastructure	each	1500000												
	Sub Total:					0.000			0.000			0.000			0.000
II	Planting activities (SMM) in DFL														
1	Advance Operations	Ha	33000												
2	Raising of Plantation	Ha	126610												
3	1st Year Maintenance	Ha	105330												
4	2nd Year Maintenance	Ha	105300	14.04	157949.58	22.176									
5	3rd Year Maintenance	Ha	100650				14.04	161039.56	22.610						
6	4th Year Maintenance	Ha	35000							14.04	59499.95	8.354			
7	5th Year Maintenance	Ha	2000										14.04	3600.00	0.505
8	6th Year Maintenance	Ha	9709												
9	7th Year Maintenance	Ha	17000												
10	8th Year Maintenance	Ha	10000												
11	9th Year Maintenance	Ha	17000												
12	10th Year Maintenance	Ha	10000												
	Sub Total:					22.176			22.610			8.354			0.505
III	SMC Works														
13	Protection trenches in DFL CA within vicinity of CA-DFL (3000 Rmt x 1.50+1.00/2 x 2.00=7500 Cmm)	Cum	45.00												
14	Staggered trenches in DFL CA within vicinity of CA-DFL	Cmt	440.00												
15	Construction of CC Checkdams	Nos	1000000												
16	Formation of Percolation tanks	Nos	250000												
17	Formation of Mini Percolation tanks	Nos	100000												
	Sub Total:					0.000			0.000			0.000			0.000

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Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2025-26			2026-27			2027-28			2028-29		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
IV	Provision of Monitoring facility for effecting impleme														
28	Purchase of office equipments of for monitoring project for senior officers, FRO's & office staff	Ls													
	Sub Total:					0.000			0.000			0.000			0.000
V	Administrative Cost - 10%					2.218			2.261			0.835			0.051
	Total year wise outlay of the project					24.394			24.871			9.189			0.556

Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2029-30			2030-31			2031-32			2032-33		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	29	30	31	32	33	34	35	36	37	38	39	40
I	Raising of Plants in Nurseries & their Maintenance, P														
1	Raising of Primary beds	Plant	0.6128												
2	Raising of Bag Plants of 6"x8"	Plant	24.4713												
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	39.9310												
4	Maintenance of Bag Plants of 9"x11"	Plant	31.4177												
5	Maintenance of Bag Plants of 9"x11"	Plant	15.7889												
5	Nursery Infrastructure	each	1500000												
	Sub Total:					0.000			0.000			0.000			0.000
II	Planting activities (SMM) in DFL														
1	Advance Operations	Ha	33000												
2	Raising of Plantation	Ha	126610												
3	1st Year Maintenance	Ha	105330												
4	2nd Year Maintenance	Ha	105300												
5	3rd Year Maintenance	Ha	100650												
6	4th Year Maintenance	Ha	35000												
7	5th Year Maintenance	Ha	2000												
8	6th Year Maintenance	Ha	9709	14.04	18447.10	2.590									
9	7th Year Maintenance	Ha	17000				14.04	34000.00	4.774						
10	8th Year Maintenance	Ha	10000							14.04	21000.00	2.948			
11	9th Year Maintenance	Ha	17000										14.04	37400.00	5.251
12	10th Year Maintenance	Ha	10000												
	Sub Total:					2.590			4.774			2.948			5.251
III	SMC Works														
13	Protection trenches in DFL CA within vicinity of CA-DFL (3000 Rmt x 1.50+1.00/2 x 2.00=7500 Cmm)	Cum	45.00												
14	Staggered trenches in DFL CA within vicinity of CA-DFL	Cmt	440.00												
15	Construction of CC Checkdams	Nos	1000000												
16	Formation of Percolation tanks	Nos	250000												
17	Formation of Mini Percolation tanks	Nos	100000												
	Sub Total:					0.000			0.000			0.000			0.000

Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2029-30			2030-31			2031-32			2032-33		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
IV	Provision of Monitoring facility for effecting impleme														
28	Purchase of office equipments of for monitoring project for senior officers, FRO's & office staff	Ls													
	Sub Total:					0.000			0.000			0.000			0.000
V	Administrative Cost - 10%					0.259			0.477			0.295			0.525
	Total year wise outlay of the project					2.849			5.251			3.243			5.776

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Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2033-34			Grand Total	
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Fin
1	2	3	4	41	42	43	44	45
I	Raising of Plants in Nurseries & their Maintenance, P							
1	Raising of Primary beds	Plant	0.6128				25000	0.169
2	Raising of Bag Plants of 6"x8"	Plant	24.4713				25000	6.730
3	Conversion of bag plants from 6"x8" to 9"x11"	Plant	39.9310				25000	12.079
4	Maintenance of Bag Plants of 9"x11"	Plant	31.4177				25000	9.504
5	Maintenance of Bag Plants of 9"x11"	Plant	15.7889				25000	5.131
5	Nursery Infrastructure	each	1500000				1	15.000
	Sub Total:							48.612
II	Planting activities (SMM) in DFL							
1	Advance Operations	Ha	33000				14.04	5.560
2	Raising of Plantation	Ha	126610				14.04	23.109
3	1st Year Maintenance	Ha	105330				14.04	20.704
4	2nd Year Maintenance	Ha	105300				14.04	22.176
5	3rd Year Maintenance	Ha	100650				14.04	22.610
6	4th Year Maintenance	Ha	35000				14.04	8.354
7	5th Year Maintenance	Ha	2000				14.04	0.505
8	6th Year Maintenance	Ha	9709				14.04	2.590
9	7th Year Maintenance	Ha	17000				14.04	4.774
10	8th Year Maintenance	Ha	10000				14.04	2.948
11	9th Year Maintenance	Ha	17000				14.04	5.251
12	10th Year Maintenance	Ha	10000	14.04	23000.00	3.229	14.04	3.229
	Sub Total:					3.229		121.810
III	SMC Works							
13	Protection trenches in DFL CA within vicinity of CA-DFL (3000 Rmt x 1.50+1.00/2 x 2.00=7500 Cmm)	Cum	45.00				7500	3.713
14	Staggered trenches in DFL CA within vicinity of CA-DFL	Cmt	440.00				1000	5.082
15	Construction of CC Checkdams	Nos	1000000				3	31.000
16	Formation of Percolation tanks	Nos	250000				2	5.000
17	Formation of Mini Percolation tanks	Nos	100000				3	3.100
	Sub Total:					0.000		47.895

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Sl. No	Item of Work	Phy	Unit Cost 2020-21 (Rs.)	2033-34			Grand Total	
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Fin
IV	Provision of Monitoring facility for effecting impleme							
28	Purchase of office equipments of for monitoring project for senior officers, FRO's & office staff	Ls						3.000
	Sub Total:					0.000		3.000
V	Administrative Cost - 10%					0.323		21.832
	Total year wise outlay of the project					3.552		243.148

A
District Forest Officer
Peddapally