COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR IMPROVEMENT OF DOUBLE DEGARDED FOREST LAND (1.3237 X 2) IN ALLAPALLY RANGE IN LIEU OF DIVERSION OF 1.3237 HA FOREST LAND IN WILDLIFE MANAGEMENT, KINNERASANI DIVISION FOR LAYING OF OPTICAL FIBER CABLE ALONG THE ROADS AND WITHIN THE EXISTING RIGHT OF WAY IN FAVOUR OF M/S. RELIANCE JIO INFOCOMM LIMITED.

<<< - - - >>>

INTRODUCTION:

The Principal Chief Conservator of Forests, Telangana State, Hyderabad vide Rc.No.21059/2018/FCA-1, Dt: 05.12.2018 has forwarded the proposals for diversion of forest land over an extent of 1.3237 ha. in Kinnerasani Wildlife Management Division in favour of M/s. Reliance Jio Infocomm Limited for laying of Optical Fiber Cable along the roads and within the existing Right of Way for processing of proposals under Forest (Conservation) Act, 1980 and Wildlife (Protection) Act, 1972 and also instructed to submit the proposals for raising CA plantation in double degraded forest land at the cost of user agency. Accordingly, degraded forest land over an extent of 2.65 ha. (i.e., 1.3237 X 2 = 2.6474 Ha. or 2.65 Ha.) has been identified in Compt.No. 12, Raipadu Beat, Allapally RF / Range for raising CA plantation. The details are as follows.

The degraded forest area where the growth is less than 0.4 density is proposed for treatment under Afforestation Scheme including Raising of plantations, Soil & Moisture Conservation works.

Certain degraded areas are proposed for raising of Afforestation plantations with digging of Continuous Peripheral Trench around the plantation site and other protective measures are proposed to be taken up with twin objectives of soil & moisture conservation and improvement of existing forest growth. Scheme is prepared with an outlay of Rs. 29.73672 Lakhs for development of Degraded Forest area.

Accordingly, an Action Plan for raising of Compensatory Afforestation plantation in degraded forest areas in Compt. No.12 of Allapally Reserve Forest, Raipadu Beat of Allapally Section, Allapally Range of Wildlife Management, Kinnerasani Division is Prepared with an outlay of **Rs. 29.73672 Lakhs**.

PROJECT COST:

The total financial out lay of the project is as follows:

S.No	Scheme Proposals	Cost in Lakhs
1	Forest Protection including Fire protection & SMC works	2.536
2	Compensatory Afforestation in Degraded Forest Area	10.497
3	Soil and Moisture Conservation Plan	14.000
4	Administrative Cost	2.703
	Total:	29.736

LOCATION OF THE AREA PROPOSED FOR COMPENSATORY AFFORESTATION IN DEGRADED FOREST AREA:

The Compensatory Afforestation Scheme is aimed at improvement of the density and ultimately quality of Forests. In view of this, degraded Forest areas in Compt. No. 12 of Allapally Reserve Forest of Allapally Range of Wildlife Management, Kinnerasani Division is proposed for treatment. In general, the above Compartment is having good degraded and coppice natural growth of Billudu (Chloroxylon swietenia), Chirumanu (Anogeisus latifolia), Chennangi (Lagerstroemia lanceolata), Bandaru (Adina cardfolia), Tuniki (Diospyros melanoxylon), Pala (Wrightia tinctoria), Kodisha (Cleistanthus collinus), Bojja (Xylia xylocarpa) etc. Natural regeneration is taking place but due to continuous biotic pressure and forest fires, it is not getting stabilized.

Therefore, it is proposed to stabilize such growth. Suitable areas were identified for treatment with appropriate interventions as the area has become degraded due to excessive biotic interference. The excess biotic interference has disturbed the ecological cycle as all the Bio-diversity including fauna and flora have been damaged to a great extent. There is every need to rehabilitate and protect the environment for the sake of Bio-diversity.

LEGAL STATUS OF THE PROPOSED CA AREA:

The proposed degraded forest land identified for Compensatory Afforestation in Compt. No. 12 of Allapally Section, Allapally Range of Wildlife Management, Kinnerasani Division is part and parcel of Allapally RF notified under Section 15 of AP Forest Act, 1967, vide G.O.Ms. No. 220, Forests and Rural Development (For. III) Dept., Dt: 06.07.1974.

SOIL DESCRIPTION AND TERRAIN:

The selected forest land with degraded plain areas with accessibility to roads and are degraded mainly due to biotic interference and are found suitable for Compensatory Afforestation.

In the proposed area, the soils are eroded and are ranging from Black Soil, Sandy loam.

FLORA AND FAUNA:

In the proposed degraded Forest area the species available are mainly degraded coppice growth of Billudu (Chloroxylon swietenia), Chirumanu (Anogeisus latifolia), Chennangi (Lagerstroemia lanceolata), Bandaru (Adina cardfolia), Tuniki (Diospyros melanoxylon), Pala (Wrightia tinctoria), Kodisha (Cleistanthus collinus), Bojja (Xylia xylocarpa) etc. The wild animals found in the selected area are Spotted Deer, Indian Bison etc. Thus steps such as restoration of the vegetation, provision of sufficient water sources to the wild animals, provision of fodder and legume and overall protection is proposed.

PROJECT COST:

The total financial out lay of the project is Rs. 29.73672 Lakhs. The annual requirement of funds have been worked out on the base cost of 2019-20 FSR with 10% annual escalation for the remaining project period up to 2029-30. The component wise details in brief are as follows.

S.No	Scheme Proposals	Cost in Lakhs
1	Forest Protection including Fire protection & SMC works	2.536
2	Compensatory Afforestation in Degraded Forest Area	10.497
3	Soil and Moisture Conservation Plan	14.000
4	Administrative Cost	2.703
	Total:	29.736

MODE OF EXECUTION:

It is proposed to implement the above scheme 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.

Annexures:

Annexure	1	Abstract of Compensatory Afforestation Scheme in Degraded Forest Area.
Annexure	11	Year wise estimated cost Compensatory Afforestation in Degraded Forest Area.
Annexure	Ш	Unit cost Data sheets

Forest Range Officer,

Allapally.

Forest Divisional Officer,

W.L.M., Kinnerasani.

ABSTRACT - Annexure - I

CHATAKONDA, ALLAPALLY & MARKODE RESERVE FORESTS OF CHATAKONDA, ALLAPALLY & REGALLA RANGES OF W.L.M., KINNERASANI DIVISION FOR LAYING OF OPTICAL FIBER CABLE COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR IMPROVEMENT OF DOUBLE THE DEGARDED FOREST LAND (1.3237 X 2) DIVERSION OF 1.3237 HA FOREST LAND IN TING RIGHT OF WAY IN FAVOUR OF M/s. RELIANCE JIO INFOCOMM LIMITED IN W.L.M., KINNERASANI DIVISION.

-	4		ω	2		I(b)	I(a)	1	No.	2	
G.Total	Adminstrative cost:	S. Total (I to III)	SMC Plan	Afforestation	S.Total	Fire protection & Fire tracing	Protection Measures	2	Component		ALCORO
	0		0	0		0	0	ω	Phy	201	:
0.675	0 0.061	0.614	0.000	0.614	0.000	0.000	0.000	5	Fin.	2018-19	
	0		0	0		500	1	6	Phy	201	
5.105	0.343	3.433	0.000	2.105	1.329	0 0.000 500 0.054	1.275	8	Fin.	2019-20	
	0		0	0		500	1	9	Phy	20	
19.206	_	16.82	14.000	2.106	0.709	0.033	0.676	11	Fin.	2020-21	
0,	0		0	0		500	0	12	Phy	20:	1
1.041		0.913	0.000	0.876	0.037	500 0.037 500 0.040 500	0.000	14	Fin.	2021-22	
	0		0	0		500	0	15	Phy	202	
0.769	0.066	0.662	0.000	0.622	0.040	0.040	0.000	17	Fin.	2022-23	
	0		0	0		500	0	18	Phy	20:	1
0.845	0.073	0.728	0.000	0.684	0.044		0.000	20	Fin.	2023-24	100000000000000000000000000000000000000
ľ	0		0	0		500	0	21	Phy	20	
0.930	0.080	0.801	0.000	0.752	0.049		0.000	23	Fin.	2024-25	
	0		0	0	v.	500	0	24	Phy	20;	
T.073	0.088	0.881	0.000	0.827	0.054	0.054	0.000	26	Fin.	2025-26	
	0		0			500	0	27	Phy	20	
C71.1	0.097	0.969	0.000	0.910	0.059	500 0.054 500 0.059	0.000	29	Fin.	2026-27	
	0		0			500	0	30	Phy	202	
DC7.T	0.107	1.066	0.000	1.001	0.065	0.065	0.000	32	Fin.	2027-28	
	0		0			500	0	33	Phy	202	
0.130	0.007	1/0.0	0.000	0.000	0.0/1	0.071	0.000	35	Fin.	2028-29	
-	0		0	0		500	0	36	Phy	202	,
0.100	0.008	0.079	0.000	0.000	0.079	500 0.065 500 0.071 500 0.079 5500	0.000	38	Fin.	2029-30)
	0		c			5500	<u> </u>	39	Phy		1
101.03	2.703	24.43/	14.000	10.49/	2.530		1.951	40	Fin.	Total	

Forest Range Officer Allapally

W.L.M., Kinnerasani.

1	
-	
d	
1	
3	
1	
ì	
j	0
1	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	0
	-
	0
	0
	0
	0
	600
	0
	0
	0
	0
	0
	0
	0
	0
	_
	0

	. A 6t		Ha es		2		1 Ma	Att	На	1 esp	3rd	На	1 esp		На	1 espa	Mai		MMS	1 3mx	D	На)	Adva Raisi 3mx	ADV	1.53	A Raisir Prima 1 bags/ Nos+	EMI MECH	I AFFORESTATION:	2 Maint	1 Creati	(b) FIRE PE	2 Stabliz	1 Diggin	(a) PROTEC	•	No.	
	6th year maintenance Maintenance of NTSH plantation at an expansion of Rmx3m (1111 plants per ha) (2.80	Sub-total	Ha) under SMM	Maintenance of NTSH plantation at an	Sub-total	Ha) under SMM	Maintenance of NTSH plantation at an espacement of 3mx3m (1111 plants per ha) (2.80	Sup-rotal	Ha) under SMM	Maintenance of NTSH plantation at an espacement of 3mx3m (1111 plants per ha) (2.80	Sub-total Sub-total	Ha) under SMM	Maintenance of NTSH plantation at an espacement of 3mx3m (1111 plants per ha) (2.80		Ha) under Sivilvi Sub-total	espacement of 3mx3m (1111 plants per ha) (2.80	Maintenance of NTSH plantation at an	Sup-total	4	Raising of NTSH plantation at an espacement of 3mx3m (1111 plants per ha) (2.80 Ha) under	Sub-total		Advance operations i.e. site preparation works for Raising of NTSH plantation at an espacement of 3mx3m (1111 plants per ha) under SMM (2.80	ADVANCE OPERATIONS	1.53 beds / 1 ha) 2.80 Ha = 4 beds	Raising of Nurseries Raising of Misc. seedlings (like., NTSH species) Primary and Bag plants Nursery (6"x12" size bags/1100 bags / bed - (1111+20%)+10%=1430 Nos+25% casuality replacements = 1708 Nos/Ha-	SEMI MECHANICAL METHOD	TATION:	ines (280 Rmt)	Ha (2.80 x 100 = 280)	I (b) FIRE PROTECTION & FIRE TRACING:	Stablization of trench work	Digging of peripheral trench around the CA area	I (a) PROTECTION MEASURES:	2	Component Unit rate	it to the (Rs. 1919-20 2020-21 2021-22 2022-23 2023-24
	an 80 0.146			an 0.146			an .80 0.146	1	1	0 0.146			0 0.146			0.226				0.597			0.446			0.139			0.00724	0.00979		0.715	1.484		ω	cost as p FSR 2018 In lak	er the 19 (Rs.
7	На	1	+	На			на			На		1	H _a			100			1	На		1	На	1		Bed			Rmt	Rmt		Kms	Kms		4	Sp. it	
F		1	1	X					1	•		-	0			-		-		0		+	0	1	4	0		H	0.00551	0.00979	+	0.787	1.632	t	5 6	Phy.	20
	0.160			0.160			0.160			0.160			0.160			0.248			-	0.657		+	0.49		0	0.153 0)551	1979	+	87	32				2019-20
												1							-			2	2	11	0.614	0.614	-	H	+	500	3		0.710		7 8	Fin.	55
+	0.1		-	0.1	H	+	0.1	H	+	0.176	H	+	0.176			0.2.0				0.723	1	2.65	2.65 0.54	H	4	4 0.169		H	0.006	_		0.865	10 1.796	-	9	Rate	2020-21
-	0.176	+	+	0.176	H		0.176	H		76			76		2	-	3			23	1	1.429	4 1.429		0.675	9 0.675			1.329	1 0.054	000		6 1.275		10	Fin.	2019-20 2020-21 2021-22 2022-23 2023-24
+							15						y 1						2.65	2.65									500			0.710 0			11	Phy.	20
	0.194			0.194			0.194			0.194			0.194				201		2	0.795 2							-		0.007		1	0.952 0.676		+	12 1	Rate	2021-22
+			+			+	_	-		_	H	-		-	2.65		28.5		2.106	2.106				H			+		0.709		+	576	-	+	13 14	Fin.	
+	0.213	H	+	0.213		+	0.213	+		0.213	H		0.213	-	65	_	0 331				1						-		0.007					+	15	Rate	2022-23
+	13		+	W			ω			ω			ω	I	0.876		0 876										İ		0.037	0037					16	Fin.	ω.
												2.65	2.65																	500					17	Phy.	20
	0.235			0.235			0.235			0.235		0.	0.235 0.	-	-						-			-			+	+	0.0	0.008 0.040	-	+	-	+	18 19	Rate Fin.	2023-24
+		H			-			+	2.	2.0	+	0.622	0.622	+	-		-				-			10			+	+		500	-	+	-	+	9 20	Phy.	
+	0.258			0.258	+		0.258	+	.65	.65 0.258	+			+				1									1	\dagger		0 009		1		\dagger	21	Rate	2024-25 2025-26 2026-27 2027-28
1	00			00	T		00	1	0.684	8 0.684																			0.044	0 044					22	Fin.	
					I	2.65	2.65																							500 0				4	23	Phy.	20.
1	0.284			0.284	-	0.	0.284 0.	-						+	+	H		+	-		-			+	-		+	+	0.049	0 0 10 0 0	-		-	+	24 25	Rate Fin.	2025-26
+	_	H	2.65	2.65	+	0.752	0.752	+			+	H		+	+	+		+	-	1	+			+	+		+	+		500			t	1	5 26	Phy.	
+	0.312		55	5 0.312	1	H		+			t			+	+	+		d =	1						t		+			0.011				1	27	Rate	2026-27
1	2		0.827	2 0.827				1							1														0.054	0.054					28	Fin.	,
2.65	2.65													-	1			-						1			1	1		500 0			1	4	29		20.
0.	0.343 0.	1	-		+	H		+	-		+			+	-	-		-	+		+	-		-	+		+	+	0.059	0.012 0.0			+	-	30 31	-	2027-28
0.910	0.910	+	H	-	+	H		+	-		+			+	1	+		+	+		+	+		+	+		+	+		59 500				+	1 32		
		+	+		-			+			+	-		1		-		-	1		+	-			-		-	1		0.013					33	-	2028-29
	-																												0.065	0.065					34	Fin.	
								I								-		-							-					500 0.					35		203
					-			1			-			-	-	-	-	+	-			-		1	-		-		0.0	0.014 0.0				-	36 37	-	2029-30
-			+		1	H		1			+	-		-	+			-	-		+	-		+	-		+		0.071	71 500				+	38	+	
H		+	H		+	+		1			+	+		-	+	-		1				-		1	+		1	+		0.016					39	-	2030-31
		+			1	H		1	-			1		1															0.079	0.079 5000					ŧ	Fin.	
2.65	2.65		2.65	2.65		2.65	2.65		2.65	2.65		2.65	2.65		100	2.65	2.65		2.00	2.65		2.65	2.65		0.00						500	П		0.710	41	Phy.	Total
0.910	0.910		0.827	0.827		0.752	0.752		0.684	0.684		0.622	0.622			0.876	0.876	1	2.100	2.106		1.425	1.429		1.20	1.289			2.536	0.531	0.054		0.676	1.275	42	Fin.	<u> </u>

0.675

	· • •	ω	2	1	B				-	,			No.	
of above items)	Over Head Charges for project impler one base camp in Gangaram Range, h for protection, hiring of computer ope Technical Assistant, utility payments in Office and Range Office stationary and peripherals, maintenance of vehicle a DFO, construction of fire watert tower, a DFO, construction of fire water to barrier gate etc., including Basec computer operator monitoring of Acc	Solar Motor and Bore well	_	Construction of Percolation Lains		(ii) istori		Ha)under SMM	Maintenance of NTSH plantation at an espacement of 3mx3m (1111 plants per ha) (2.80	7th year maintenance	2		Component	
		1			w.				0.146		3	c	ost as post as	er the 19 (Rs.
		+	-	-	Nos.	1	1	1	Ha	-	4		Unit	
-		1	0		0		1		0.16		5		Phy.	2019-20
0 675	0.06	0.00	0	0	0		0.61	1			7		Fin.	8
			0	0	0			1			00	L	Phy.	20
			6.00	5.00	3.00				0.176	1	9		Rate	2020-21
3 777	0.343	0.00	0.00	0.00	0.00		2.10			1	10	-	Fin.	
	4		-	1	1				-	1	11	+	Phy.	20
			6.00	5.00	3.00				0.194	1	12	1	Rate	2021-22
18.50	1.682	14.00	6.00	5.00	3.00		2.11			1	13		Fin.	
			0	0	0					1	14		Phy.	20
			6.00	5.00	3.00				0.213	1	15	:	Rate	2022-23
1.004	0.091	0.00	0.00	0.00	0.00		0.88			1	T.O.	\$	Fin.	
									0	4		+	Phy.	20
				L					0.235	1	10	+	Rate	2023-24
0.728	0.066	0.00		-		-	0.62			-	5	+	Fin.	
		-		-					0	-	+	3	Phy.	20.
0	0	-		-			0		0.258	-	+	21	Rate	2024-25
0.801	0.073	0.00		L	L	L	0.68			-	+	22	Fin.	
		+	-	-	H	L	H		0.	+	+	22	Phy.	202
0	0		L	+	\vdash	L	0		0.284	-	+	24	Rate	2025-26
0.881	0.080	0.00	-	+	-	-	0.75			-	+	25	Fin.	_
		+	-	+	-	-	-	H	0.:	-	+	26 2	Phy.	202
	9	0	-	+	-	-	0.	H	0.312		+	27 2	Rate	2026-27
0.969	0.088	0.00	-	+	-	+	0.83	H		-	+	28 29	Fin.	-
-		+	+	+	-	-	+	-	0.343		+	9 30	Rate	2027-28
1.0	0.097	0.00	-	+	+	-	0.91	-	43		+	0 31	Fin.	1-28
1.066	197	90	-	-	-	+	91	2.65	2.65		Н	1 32	Phy.	
-		+	+	+	+	1	+	i.	5 0.3		+	33	Rate	2028-29
1.1/3	0.107	0.00	+	+	-	+	1.001	1.001	0.378 1.001		Н	34	Fin.	-29
13	97	100	+	+	1	+	12	i i	=		Н	35	Phy.	
-		1	+	-	+	+	+					36	Rate	2029-30
0.075	0.007	0.00		+	+	1	+	1				37	Fin.	- 2
19	5 7	1	+	+	+	1	1	1				38	Phy.	
-	-	1		+	+	1		T				39	Rate	2030-31
9000	0.008	0.00	3	1	1	1						40	Fin.	[*]
1	<u>∞</u>	1	1.00	3 10	1.00		1	2.65	2.65			41	Phy.	
	2,703	44.000	+	\top		+	10.497	1				42	Fin.	lotal