

**COMPENSATORY AFFORESTATION SCHEME PROPOSALS FOR IMPROVEMENT OF DOUBLE  
DEGRADED 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.**

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**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
	<b>Total:</b>	<b>29.736</b>

## **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
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	<b>Total:</b>	<b>29.736</b>

### 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	I	Abstract of Compensatory Afforestation Scheme in Degraded Forest Area.
Annexure	II	Year wise estimated cost Compensatory Afforestation in Degraded Forest Area.
Annexure	III	Unit cost Data sheets

  
Forest Range Officer,  
Allapally.

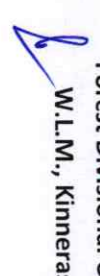
  
Forest Divisional Officer,  
W.L.M., Kinnerasani.

**ABSTRACT - Annexure - I**

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

Sl. No.	Component	2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29		2029-30		Total	
		Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.	Phy	Fin.
1	2	3	5	6	8	9	11	12	14	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	39	40
I(a)	Protection Measures	0	0.000	1	1.275	1	0.676	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	1	1.951
I(b)	Fire protection & Fire tracing	0	0.000	500	0.054	500	0.033	500	0.037	500	0.040	500	0.044	500	0.049	500	0.054	500	0.059	500	0.065	500	0.071	500	0.079	5500	0.585
	S.Total		0.000		1.329		0.709		0.037		0.040		0.044		0.049		0.054		0.059		0.065		0.071		0.079		2.536
2	Afforestation	0	0.614	0	2.105	0	2.106	0	0.876	0	0.622	0	0.684	0	0.752	0	0.827	0	0.910	0	1.001	0	0.000	0	0.000	0	10.497
3	SMC Plan	0	0.000	0	0.000	0	14.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	14.000
	S. Total (I to III)		0.614		3.433		16.82		0.913		0.662		0.728		0.801		0.881		0.969		1.066		0.071		0.079		24.497
4	Administrative cost:	0	0.061	0	0.343	0	1.682	0	0.091	0	0.066	0	0.073	0	0.080	0	0.088	0	0.097	0	0.107	0	0.007	0	0.008	0	2.703
	G.Total		0.675		5.105		19.206		1.041		0.769		0.845		0.930		1.023		1.125		1.238		0.150		0.165		29.737

  
Forest Range Officer,  
Allapally

  
Forest Divisional Officer,  
W.L.M., Kinnerasani.

OPTICAL FIBER CABLE ALONG THE ROAD AND WITHIN THE EXISTING RIGHT OF WAY IN FAY

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Sl No.	Component	Unit rate/ unit cost as per the FSR 2018-19 (Rs. In lakhs)	Unit	2019-20			2020-21			2021-22			2022-23			2023-24			2024-25			2025-26			2026-27			2027-28			2028-29			2029-30			2030-31			Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
	7th year maintenance																																									
1	Maintenance of NISH plantation at an espacement of 3mx3m (1111 plants per ha) (2.80 Ha) under SMM	0.146	Ha		0.16			0.176			0.194			0.213			0.235			0.258			0.284			0.312			0.343			2.65	0.378	1.001					2.65	1.001		
	Sub-total					0.61		2.10			2.11			0.88			0.62			0.68			0.75			0.83			0.91			1.001								2.65	1.001	
3	Soil and Moisture Conservation Plan																																									
1	Construction of Percolation Tanks	3	Nos.	0	0	0	0	3.00	0.00	1	3.00	3.00	0	3.00	0.00																										1.00	3.000
2	Construction of Check Dams	5	Nos.	0	0	0	0	5.00	0.00	1	5.00	5.00	0	5.00	0.00																										1.00	5.000
3	Solar Motor and Bore well	5	Nos.	0	0	0	0	6.00	0.00	1	6.00	6.00	0	6.00	0.00																										1.00	6.000
	Total (iii)					0.00			0.00			14.00		0.00				0.00			0.00			0.00			0.00			0.00			0.00								14.000	
	Over Head Charges for project implementation one base camp in Gangaram Range, hiring jeep for protection, hiring of computer operator and Technical Assistant, utility payments in Division Office and Range Office stationary and computer peripherals, maintenance of vehicle and oils of DFO, construction of fire watch tower, erection of barrier gate etc., including Basecamps (1) computer operator monitoring of Accounts (5% of above items)					0.06		0.343			1.682		0.091			0.066			0.073			0.080			0.088			0.097			0.107			0.007						2.703		
	G.Total					0.675		3.777			18.50		1.004			0.728			0.801			0.881			0.969			1.066			1.173			0.079				0.086		29.73672		

Forest Range Officer  
Allapally.

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