

MITIGATIVE MEASURES PROPOSED
FOR

Diversion of **3.4692 Ha** of Forest land for Laying of Optical Fiber Cable along the road within the existing Right of way for execution of T- Fiber Project in favour of M/s Telangana Fiber Grid Corporation Limited in Asifabad Forest Division under Komarambheem District.

DIVISION: ASIFABAD

DISTRICT: KUMURAM BHEEM-ASIFABAD

CIRCLE: ADILABAD

Mitigative measures to be taken up in forest area proposed for 3.4692 Ha of Forest land for Laying of Optical Fiber Cable along the road within the existing Right of way for execution of T- Fiber Project in favour of M/s Telangana Fiber Grid Corporation Limited in Asifabad Forest Division under Komarambheem District.

1. INTRODUCTION :

The total geographical area of Telangana State is 114840 Sq KM and the total forest area is 28809.08 Sq. Kms. which constitute to 25.19%, whereas the total geographical area of the Asifabad Division is 2,85,304 Ha covering the forest area of 1,53,810.54 Ha in (6) Ranges constituting about 53.91 %.

The Asifabad Division consisting of (6) Ranges, namely - (1) Asifabad, (2) Rebbena, (3) Tiryani, (4) Ginnedhary, (5) Jodeghat and (6) Kerameri Ranges.

The Forest area in the Ranges are being utilized as the Jodeghat and Ginnedhary Ranges are serving as "Core & Buffer area" of Kawal Tiger Reserve, apart from that the Forest area in the Asifabad, Kerameri and Rebbena Ranges are being utilized as "Corridor for Kawal Tiger Reserve" for attracting the Tigers from Thadoba Tiger Reserve of Maharashtra State and Indravathi Tiger Reserve of Chattisghar State.

In the above scenario the M/s Telangana Fiber Grid Corporation Limited, Begumpet, Hyderabad submitted proposals for Laying of Optical Fiber Cable along the road within the existing Right of way for execution of T- Fiber Project. The proposed proposals are falling in Jodeghat, Ginnedhary, Kerameri, Rebbena, Tiryani & Asifabad Ranges of Asifabad Division. The details are shown below:

S.No	Name of the RF Block	Notified under section	Range	Compt No	Map set No.	Area for Diversion for in Ha	PA/ESZ
1	Marlawai	U/s- 24	Jodeghat	459/2	1	0.0336	Buffer
2	Marlawai	U/s- 24	Jodeghat	458	2	0.0418	Buffer
3	Bheempur	U/s- 24	Kerameri	514	3	0.0224	ESZ
4	Bheempur	U/s- 24	Kerameri	518	4	0.0755	ESZ
5	Bheempur	U/s- 24	Kerameri	527	5	0.0435	ESZ
6	Bheempur	U/s- 24	Kerameri	528		0.058	ESZ
7	Bheempur	U/s- 24	Kerameri	529		0.0225	ESZ
8	Bheempur	U/s- 24	Kerameri	528	6	0.0354	ESZ
9	Manikgarh West	U/s- 15	Kerameri	15	7	0.0644	ESZ
10				14		0.0891	ESZ
11				13		0.0302	ESZ
12				9		0.1846	ESZ
13				5		0.076	ESZ
14				4		0.0068	ESZ
15				2/1		0.0077	ESZ
16				1		0.0735	ESZ
17				6		0.0318	ESZ
18	Manikgarh West	U/s- 15	Kerameri	34	8	0.0564	ESZ
19		U/s- 15	Kerameri	16		0.0796	ESZ
20		U/s- 15	Kerameri	20		0.0866	ESZ
21	Manikgarh West	U/s- 15	Kerameri	18	9	0.2887	ESZ

S.No	Name of the RF Block	Notified under section	Range	Compt No	Map set No.	Area for Diversion for in Ha	PA/ESZ
22	Manikgarh West	U/s- 15	Kerameri	23	10	0.1656	ESZ
23	Manikgarh West	U/s- 15	Kerameri	34	11	0.0281	ESZ
24	Chorpally	U/s- 24	Jodeghat	494	12	0.1149	Buffer
25	Chorpally	U/s- 24	Jodeghat	494	13	0.0086	Buffer
26	Chorpally	U/s- 24	Jodeghat	494	14	0.0051	Buffer
27	Chorpally	U/s- 24	Jodeghat	489	15	0.0122	Buffer
28	Chorpally	U/s- 24	Jodeghat	493		0.0108	Buffer
29	Chorpally	U/s- 24	Jodeghat	491		0.024	Buffer
30	Chorpally	U/s- 24	Jodeghat	470	16	0.0607	Buffer
31	Chorpally	U/s- 24	Jodeghat	469	17	0.0614	Buffer
32	Chorpally	U/s- 24	Jodeghat	469	18	0.02	Buffer
33	Chorpally	U/s- 24	Jodeghat	468		0.0235	Buffer
34	Kawal	U/s- 4	Jodeghat	94		0.0148	Core
35	Kawal	U/s- 4	Jodeghat	96		0.0043	Core
36	Kawal	U/s- 4	Jodeghat	94	19	0.019	Core
37	Chorpally	U/s- 24	Jodeghat	470		0.0402	Buffer
38	Chorpally	U/s- 24	Jodeghat	469		0.033	Buffer
39	Chorpally	U/s- 24	Jodeghat	482	20	0.0263	Buffer
40	Chorpally	U/s- 24	Jodeghat	474		0.0237	Buffer
41	Chorpally	U/s- 24	Jodeghat	481		0.0095	Buffer
42	Chorpally	U/s- 24	Jodeghat	476	21	0.0081	Buffer
43	Chorpally	U/s- 24	Jodeghat	478		0.0446	Buffer
44	Chorpally	U/s- 24	Jodeghat	477		0.1828	Buffer
45	Kawal	U/s- 4	Jodeghat	108		0.0113	Core
46	Kawal	U/s- 4	Jodeghat	108	22	0.0041	Core
47	Tiryani	U/s- 19	Ginnedhary	128		0.0126	Buffer
48		U/s- 19	Ginnedhary	134		0.0987	Buffer
49	Tiryani	U/s- 19	Ginnedhary	184	23	0.0394	Buffer
50		U/s- 19	Ginnedhary	162		0.0936	Buffer
51		U/s- 19	Ginnedhary	163		0.0824	Buffer
52	Ryali	U/s- 19	Tiryani	196	24	0.1134	ESZ
53	Ryali	U/s- 19	Ginnedhary	205	25	0.0529	Buffer
54	Chopdi	U/s- 19	Tiryani	285	29	0.1733	ESZ
55	Chopdi	U/s- 19	Tiryani	285	30	0.0283	ESZ
56	Dhanora	U/s- 19	Jodeghat	84	31	0.0038	Buffer
57	Dhanora	U/s- 19	Jodeghat	75		0.1361	Buffer
58	Dhanora	U/s- 19	Jodeghat	84		0.0621	Buffer
59	Manikgarh West	U/s- 15	Kerameri	68	32	0.0813	Tiger Corridor
60	Manikgarh West	U/s- 15	Asifabad	122	33	0.0753	Tiger Corridor
61	Girelli	U/s- 19	Rebbena	452	40	0.0071	Tiger Corridor
62	Girelli	U/s- 19	Rebbena	472	41	0.0442	Tiger Corridor
	Total					3.4692	

It is falling in Wildlife area and It is necessary to take up the mitigative measures to counter the consequential problems; in order to protect the flora and fauna.

The Following are the Consequential problems of Laying of Optical Fiber Cable along the road in Forest area:

- 1) Biotic Interference.
- 2) Depletion of Forest Flora.
- 3) Poaching of Wild Fauna.
- 4) Forest Fires.
- 5) Encroachments
- 6) Soil Erosion.

2. **NAME OF THE SCHEME** : Mitigative measures (Conservation Plan for Flora and Fauna for Laying of Optical Fiber Cable along the road

3. LEGAL STATUS:

Sl No	Name of the RF	Legal status of Reserve Forest
1	Marlawai	Notified U/s- 24 of of A.P. (Telangana Area) Forest Act. 1355 F (Act.II) of 1355 F, G.O.Ms.No. 1784, dt. 19-06-1968
2	Manikgarh West	Notified U/s- 15 vide APF Act, 1967 Gt.No. 260; Dt.8-10-1953
3	Chorpally	Notified U/s- 24 of A.P. Forest Act. 1967, Gt.No. 31, dt. 31-07-1969, G.O. No. 1353, dt. 19-07-1969.
4	Kawal	Notified U/s- 4 vide Gazette Notification No. 17 at Page No.486 Dt: 09.05.1350 F.
5	Ryali	Notified U/s- 19 vide HFA G.O.Ms.No. 771; Dt.16-3-1955.
6	Dhanora	Notified U/s- 19 vide HFA Gt.No.45; Dt.27-11-1355-F.
7	Girelly	Notified under section-19 of HFA Gt.No.10, Dated: 12 -3-1957.
8	Tiryani	Notified U/s- 19 of A.P. (Telangana area) Forest Act. 1355 F, vide G.O. Ms No.2547 F&A (For.III), Dt: 26.10.1964, Gazette No.47, Dt: 19.11.1964.
9	Bheempur	Notified U/s-24 of APF Act, 1967 vide G.O.Ms.No.1932, Food and Agriculture (Forest-III) Dated: 19.07.1965.
10	Chopdi.	Notified U/s- 19 vide HFA Act,1967 Gt.No.10 Dt.21-2-1356-F.

4. Period of the Scheme:

The Conservation plan period is proposed for 1 year.

5. Objectives:

1. Protection and improvement of the eco-system through mitigative measures.
2. Improvement of water resources through Soil & Moisture Conservation measures by catchment area treatment on watershed principles.
3. Habitat Improvement through Improvement of fodder availability and protection from fire.
4. Publicity and awareness - conservation education to the stakeholders for protecting Flora and Fauna.

Therefore it is mandatory for addressing the problems expected consequential for Laying of Optical Fiber Cable along the road within the existing Right of way for execution of T- Fiber Project in Wildlife area in order to achieve the objectives the operations of Gap plantations and SMC works are proposed to improve the vegetation status in the area. Since it is a wildlife area, the wildlife protection and habitat improvement works like fodder development, fire protection and publicity are proposed.

The item of works, quantity and amount required are submitted hereunder:

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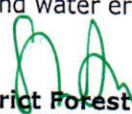
6. Mitigative plan :

Proposed mitigative measures for Diversion of forest land for Laying of Optical Fiber Cable along the road within the existing Right of way for execution of T-Fiber Project of in Jodeghat, Ginnedhary, Kerameri, Rebbena, Tiryani & Asifabad Ranges of Asifabad Division.

(Project Cost: Rs.257.470 Lakhs x 15% = Rs.38.620 Lakhs).

Sl. No.	Item of works	Units	Qty.	Rate	Amount (Rs. In lakhs)
I	Wildlife protection				
1	Tiger Monitoring for Special Squad Team (vehicle) (1 No @15.00 Lakhs)	Nos.	1	15.00	15.000
2	Anti poaching squad for Tiger Monitoring for Special Squad (3 Nos x Rs:9000/- x 12 months= 3.240 lakhs per year) for Protection and Conservation of Wildlife	Nos.	1	3.24	3.240
3	Forest and Wildlife protection through Check posts	Nos.	1	4.00	4.000
II	Habitat improvement measures				
1	Formation of Percolation Tanks	Nos.	2	1.00	2.000
2	Construction of saucer pits	Nos.	5	0.10	0.500
III	Monitoring of wildlife				
1	Procurement of camera traps for monitoring wild animals	Nos	5	0.30	1.500
2	Procurement of batteries, memory cards etc for camera traps	Nos	20	0.03	0.600
3	Maintenance of Vehicles incl.POL of staff engaged in wildlife monitoring	Nos	3	1.00	3.000
4	Procurement of Wireless networking system includes Walkie talkies, satellite phones for monitoring of wildlife for non-covering net work area with maintenance	Nos	10	0.20	2.000
IV	Publicity & awarness and Eco Development activities				
1	Installation of hoarding and sign boards to propogate the needs for the conservation of flora and fauna of the area	Nos	5	0.300	1.500
2	Setting up of regulatory sign boards on speed limits and wild animal crossing zones @ Rs.0.60 per each	Nos	5	0.300	1.500
3	Conducting of Awareness programme for Wildlife	Nos.	6	0.250	1.500
V	Fire management				
1	Procurement of fire blowers @ Rs.0.60	Nos	1	0.600	0.600
2	Procurement of fire fighting equipments like shoes, glouse, helpmates, spades, crowbars fire beaters etc., @ Rs.	LS	LS		1.680
	Total				38.620

Conclusion: The mitigative measures are proposed to prevent adverse effects of proposed **Laying of Optical Fiber Cable along the road within the existing Right of way for execution of T- Fiber Project** to Wildlife both Flora and Fauna of the area and also at the same time improving the water resources and controlling soil and water erosion.


District Forest Officer,
KB-Asifabad
District Forest Officer
Komaram Bheem
(Asifabad)

NPV Charges to be collected pertaining to Diversion of 3.8561 Ha of Forest land in Asifabad Division of Kumuram Bheem-Asifabad District for Laying of Optical Fiber Cable along the road within the existing Right of way for execution of T- Fiber Project in favour of M/s Telangana Fiber Grid Corporation Limited.

Sl No	Range	RF	Compt. No	Diversion area in Ha	Vegetation status	Eco Value class	NPV rates per Ha in Lakhs (As per GoI, MoEF and Climate Change (FC Division) New Delhi, F.No.5-3/2011-FC (Vol-I), Dt: 06.01.2022 & 19.01.2022 (Rs. in Lakhs per Ha)	Total NPV amount in Lakhs (6 x 9)	Remarks
1	2	4	5	6	7	8	9	10	
	Jodeghat	Marlawai	459/2	0.0336	Open Forest	Eco Class-III	9.578	0.322	
	Jodeghat	Marlawai	458	0.0418	Open Forest	Eco Class-III	9.578	0.400	
	Kerameri	Bheempur	514	0.0224	Open Forest	Eco Class-III	9.578	0.215	
	Kerameri	Bheempur	518	0.0755	Open Forest	Eco Class-III	9.578	0.723	
	Kerameri	Bheempur	527	0.0435	Open Forest	Eco Class-III	9.578	0.417	
	Kerameri	Bheempur	528	0.058	Open Forest	Eco Class-III	9.578	0.556	
	Kerameri	Bheempur	529	0.0225	Open Forest	Eco Class-III	9.578	0.216	
	Kerameri	Bheempur	528	0.0354	Open Forest	Eco Class-III	9.578	0.339	
	Kerameri	Manikgarh West	15	0.0644	Open Forest	Eco Class-III	9.578	0.617	
			14	0.0891	Open Forest	Eco Class-III	9.578	0.853	
			13	0.0302	Open Forest	Eco Class-III	9.578	0.289	
			9	0.1846	Open Forest	Eco Class-III	9.578	1.768	
			5	0.076	Open Forest	Eco Class-III	9.578	0.728	
			4	0.0068	Open Forest	Eco Class-III	9.578	0.065	
			2/1	0.0077	Open Forest	Eco Class-III	9.578	0.074	
			1	0.0735	Open Forest	Eco Class-III	9.578	0.704	
			6	0.0318	Open Forest	Eco Class-III	9.578	0.305	
	Kerameri	Manikgarh West	34	0.0564	Open Forest	Eco Class-III	9.578	0.540	
	Kerameri		16	0.0796	Open Forest	Eco Class-III	9.578	0.762	
	Kerameri		20	0.0866	Open Forest	Eco Class-III	9.578	0.829	
	Kerameri	Manikgarh West	18	0.2887	Open Forest	Eco Class-III	9.578	2.765	
	Kerameri	Manikgarh West	23	0.1656	Open Forest	Eco Class-III	9.578	1.586	
	Kerameri	Manikgarh West	34	0.0281	Open Forest	Eco Class-III	9.578	0.269	
	Jodeghat	Chorpally	494	0.1149	Open Forest	Eco Class-III	9.578	1.100	
	Jodeghat	Chorpally	494	0.0086	Open Forest	Eco Class-III	9.578	0.082	
	Jodeghat	Chorpally	494	0.0051	Open Forest	Eco Class-III	9.578	0.049	
	Jodeghat	Chorpally	489	0.0122	Open Forest	Eco Class-III	9.578	0.117	
	Jodeghat	Chorpally	493	0.0108	Open Forest	Eco Class-III	9.578	0.103	
	Jodeghat	Chorpally	491	0.024	Open Forest	Eco Class-III	9.578	0.230	
	Jodeghat	Chorpally	470	0.0607	Open Forest	Eco Class-III	9.578	0.581	
	Jodeghat	Chorpally	469	0.0614	Open Forest	Eco Class-III	9.578	0.588	
	Jodeghat	Chorpally	469	0.02	Open Forest	Eco Class-III	9.578	0.192	
	Jodeghat	Chorpally	468	0.0235	Open Forest	Eco Class-III	9.578	0.225	
	Jodeghat	Kawal	94	0.0148	Open Forest	Eco Class-III	9.578	0.709	
	Jodeghat	Kawal	96	0.0043	Open Forest	Eco Class-III	9.578	0.206	Charged to the extent of five times of the normal NPV payable in the case of Sanctuaries (core area)
	Jodeghat	Kawal	94	0.019	Open Forest	Eco Class-III	9.578	0.910	
	Jodeghat	Chorpally	470	0.0402	Open Forest	Eco Class-III	9.578	0.385	
	Jodeghat	Chorpally	469	0.033	Open Forest	Eco Class-III	9.578	0.316	
	Jodeghat	Chorpally	482	0.0263	Open Forest	Eco Class-III	9.578	0.252	
	Jodeghat	Chorpally	474	0.0237	Open Forest	Eco Class-III	9.578	0.227	
	Jodeghat	Chorpally	481	0.0095	Open Forest	Eco Class-III	9.578	0.091	
	Jodeghat	Chorpally	476	0.0081	Open Forest	Eco Class-III	9.578	0.078	
	Jodeghat	Chorpally	478	0.0446	Open Forest	Eco Class-III	9.578	0.427	
	Jodeghat	Chorpally	477	0.1828	Open Forest	Eco Class-III	9.578	1.751	
	Jodeghat	Kawal	108	0.0113	Open Forest	Eco Class-III	9.578	0.541	Charged to the extent of five times of the normal NPV payable in the case of Sanctuaries (core area)
	Jodeghat	Kawal	108	0.0041	Open Forest	Eco Class-III	9.578	0.196	

Sl No	Range	RF	Compt. No	Diversion area in Ha	Vegetation status	Eco Value class	NPV rates per Ha in Lakhs (As per GoI, MoEF and Climate Change (FC Division) New Delhi, F.No.5-3/2011-FC (Vol-I), Dt: 06.01.2022 & 19.01.2022 (Rs. in Lakhs per Ha)	Total NPV amount in Lakhs (6 x 9)	Remarks
1	2	4	5	6	7	8	9	10	
	Ginnedhary	Tiryani	128	0.0126	Open Forest	Eco Class-III	9.578	0.121	
	Ginnedhary		134	0.0987	Open Forest	Eco Class-III	9.578	0.945	
	Ginnedhary	Tiryani	184	0.0394	Open Forest	Eco Class-III	9.578	0.377	
	Ginnedhary		162	0.0936	Open Forest	Eco Class-III	9.578	0.896	
	Ginnedhary		163	0.0824	Open Forest	Eco Class-III	9.578	0.789	
	Tiryani	Ryali	196	0.1134	Open Forest	Eco Class-III	9.578	1.086	
	Ginnedhary	Ryali	205	0.0529	Open Forest	Eco Class-III	9.578	0.507	
	Tiryani	Tandur	310/1	0.0452	Open Forest	Eco Class-III	9.578	0.433	
	Rebbena	Tandur	306/1	0.0701	Open Forest	Eco Class-III	9.578	0.671	
	Rebbena	Tandur	306/1	0.0149	Open Forest	Eco Class-III	9.578	0.143	
	Tiryani	Chopdi	285	0.1733	Open Forest	Eco Class-III	9.578	1.660	
	Tiryani	Chopdi	285	0.0283	Open Forest	Eco Class-III	9.578	0.271	
	Jodeghat	Dhanora	84	0.0038	Open Forest	Eco Class-III	9.578	0.036	
	Jodeghat	Dhanora	75	0.1361	Open Forest	Eco Class-III	9.578	1.304	
	Jodeghat	Dhanora	84	0.0621	Open Forest	Eco Class-III	9.578	0.595	
	Kerameri	Manikgarh West	68	0.0813	Open Forest	Eco Class-III	9.578	0.779	
	Asifabad	Manikgarh West	122	0.0753	Open Forest	Eco Class-III	9.578	0.721	
	Rebbena	Rallapet	505	0.0538	Open Forest	Eco Class-III	9.578	0.515	
	Rebbena	Tungeda	414	0.0144	Open Forest	Eco Class-III	9.578	0.138	
	Rebbena	Tungeda	414	0.0124	Open Forest	Eco Class-III	9.578	0.119	
	Rebbena	Hathni	411/2	0.0463	Open Forest	Eco Class-III	9.578	0.443	
	Rebbena	Hathni	408	0.0227	Open Forest	Eco Class-III	9.578	0.217	
	Rebbena	Kunchavelli	407	0.1071	Open Forest	Eco Class-III	9.578	1.026	
	Rebbena	Girelli	452	0.0071	Open Forest	Eco Class-III	9.578	0.068	
	Rebbena	Girelli	472	0.0442	Open Forest	Eco Class-III	9.578	0.423	
		Total		3.8561				38.983	


 District Forest Officer,
 KB-Asifabad
District Forest Officer
Komaram Bheem
(Asifabad)