

PART – II

To be filled by the concerned Deputy conservator of Forests)
State Serial No. of Proposals.

7	Location of the Project / Scheme	:	Diversión of 1.868 Ha in Mulugu District for construction of BT road from Chityal to Bhupathipuram from km 0/0 to 5/0 in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District.																	
i	State	:	Telangana																	
ii	District	:	Mulugu																	
iii	Forest Division	:	WLM Eturnagaram Division																	
iv	Area of the Forest Land Proposed for diversion (in Ha)	:	1.868 Ha																	
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sl. No</th> <th style="width: 15%;">Range</th> <th style="width: 15%;">Name of the R.F</th> <th style="width: 15%;">Comp. No's involved</th> <th style="width: 15%;">Length of road (m)</th> <th style="width: 15%;">Width of road (m)</th> <th style="width: 20%;">Total Forest area required for diversion</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Eturnagaram North</td> <td>R.F Chityal</td> <td>27, 39a</td> <td style="text-align: center;">3736</td> <td style="text-align: center;">5</td> <td style="text-align: center;">1.868 Ha</td> </tr> </tbody> </table>						Sl. No	Range	Name of the R.F	Comp. No's involved	Length of road (m)	Width of road (m)	Total Forest area required for diversion	1	Eturnagaram North	R.F Chityal	27, 39a	3736	5	1.868 Ha
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1	Eturnagaram North	R.F Chityal	27, 39a	3736	5	1.868 Ha														
V	Legal Status of Forest	:	<p>The area Proposed for Diversión of 1.868 Ha in Mulugu District for construction of BT road from Chityal to Bhupathipuram from km 0/0 to 5/0 in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District in Chityal RF Block Notified are under Andhra Pradesh Forest Act 1967 and the details are as follows.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Sl. No.</th> <th style="width: 20%;">Name of the Forest Block</th> <th style="width: 15%;">Notified under</th> <th style="width: 55%;">Gazette Number</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Chityal</td> <td style="text-align: center;">15</td> <td>G.O.Ms.no.681, dt.27.07.1355 F</td> </tr> </tbody> </table>				Sl. No.	Name of the Forest Block	Notified under	Gazette Number	1	Chityal	15	G.O.Ms.no.681, dt.27.07.1355 F						
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1	Chityal	15	G.O.Ms.no.681, dt.27.07.1355 F																	
vi	Density of Vegetation	:	The type of Forests as per Champion and Seth is Southern Tropical Dry Deciduous Forests. The canopy density of the vegetation is 0.4 to 0.7.																	
vii	Species wise (scientific names) and diameter class-wise enumeration of trees to be enclosed. In case of irrigation / Hydal project enumeration at FRL – 2, meter & FRL-4 meter.	:	Enumeration list is enclosed																	

Sl. No	Local Name of tree	Botanical name of tree	Number of trees	Girth class wise no of trees				No.of poles	Qty of Timber Cum	Qty of Fuel Cum.	Total Value Rs.
				31 to 60 cm	61 to 90 cm	91 to 120 cm	> 120 cm				
1	Enumeration list Enclosed										
Viii	Brief note on vulnerability of the forest area to erosion			:	The proposed area for diversion is highly vulnerable to soil erosion due to the project.						
Ix	Approximate distance of proposed site for diversion from boundary of Forest			:	Diversion of 1.868 Ha in Mulugu District for construction of BT road from Chityal to Bhupathipuram from km 0/0 to 5/0 in Chityal RF in WLM Eturnagaram Forest Division in Mulugu District in favour of District R&B Officer (Executive Engineer), Mulugu District in Chityal RF Block Notified under Andhra Pradesh Forest Act 1967.						
X	Whether forms part of National park, Wild Life Sanctuary biosphere reserve, tiger reserve, elephant corridor etc., (if so the details of the area and comments of the Chief Wild life warden to be annexed)			:	The Proposal is falling in Eturnagaram Wildlife Sanctuary area. The extent of forest area involved in WLM Eturnagaram WLM 1.868 Ha						
Xi	Whether any rare / endangered / unique species of flora and fauna in the area if so details thereof.			:	It is a corridor for Tiger movement and there are recent evidences of Tiger Movement. The forest is having lot of wildlife which includes Spotted deer (<i>Axis axis</i>), Jackal (<i>Canis aureus</i>), Sloth bear (<i>Melursus ursinus</i>), Neelagai (<i>Boselaphus tragocamelus</i>), Porcupine (<i>Hystrix indica</i>), Python (<i>Python molurus</i>), Wild Dogs (<i>Cuon alpines</i>), Wild Boar (<i>Sus scrofa</i>), Chowsinga (<i>Tetracerus quadricornis</i>), Indian Gaurs (<i>Bos gaurus</i>) etc., and hence it is very important wildlife habitat.						
Xii	Whether any protected archaeological heritage site/defense establishment or any other important monuments is located in the area if so the details thereof within NOC from competent authority if required.			:	There are no protected Archaeological/ Heritage site/Defence establishment or any other important monument located in the forest area. However, there are many wood fossils available in the area.						
8	Whether the requirement of forest land as proposed by the user agency in col-2 of Part-I is unavoidable and barest minimum for the project if no recommended area item wise with details of alternatives examined.			:	The required Forest Land is barest minimum and is un avoidable.						
9	Whether any working violation of the Act has been carried out (Yes/No) if Yes, details of the same including period of			:	In the segment mentioned as A-B in map (as enclosed) and table as given in the field inspection notes, there is already BT road						

	work done, action taken on earning officials		present in the proposed area. The width of BT road present is 3.6 meters with length 1639 meters in existing proposal. The User Agency informed that the road was formed long back and they do not have any records to show the year of the BT road formation. Since BT road is formed, it is a violation of the Forest Conservation Act, 1980.
10	Details of Compensatory Afforestation Scheme.		
i)	Details of Non Forest area / degraded forest area identified or compensatory afforestation and adjoining forest number of patches, size of each path.	:	The CA Area (1.868 Ha) is identified in Sy.No.1 (Total 10.7228 Ha) of Rangapuram Village of Allapalli Mandal of Bhadradi Kothagudem District. In lieu of diversion of Forest land of (4) road projects.
ii)	Map Showing non-forest area identified for compensatory afforestation and adjoining forest boundaries.	:	-do-
ii)	Detailed compensatory afforestation scheme including species to be planted, implementing agency, time schedule, cost structure etc.	:	-do-
iv)	Total financial outlay for compensatory afforestation scheme	:	-do-
V	Certificate from competent authority regarding suitability of area identified for compensatory afforestation and from management point of view (To be signed by the concerned Deputy Conservator of Forests).	:	-do-
11	Site inspection report of the Deputy Conservator of Forests (To be enclosed) especially highlighting facts asked in Col-7 (xi,xii) 8 and 9 above.	:	I have inspected the proposed area on 31.08.2023, inspection notes is enclosed.
12	Division / District Profile	:	
i.	Geographical area of the District.	:	3881.00 km ²
ii.	Forest area of the District	:	2945.45km ²
iii.	Total Forest area diverted since, 1980 with number of acres.	:	Nil.
iv.	Total compensatory Afforestation stipulated in the District / Divisions since 1980 on	:	Nil.
v.	Progress of Compensatory Afforestation	:	Nil.
	a) Forest Land	:	Nil.
	b) Non Forest Land	:	Nil.
13	Specific recommendation of the Deputy Conservator Forests for acceptance of other wise of the proposals with reasons.	:	The project is recommended subject to fulfillment of the following conditions A,B,C & D Mitigation plan suggested below and ➤ Speed Breakers should be provided for every 500 m to limit the speed of vehicles below 30 kmph.

			<ul style="list-style-type: none"> ➤ Caution signages should be provided. ➤ Since there is movement of Tiger and other wildlife, the wildlife mitigation measures are proposed.
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A) Animal passage plan: User agency to build following structures as part of passage plan

Sl. No	Name of the Road	Compt. No.	Lat	Long	Structure	Dimensions
1	Chityal to Bhupathipur Road	27	18.541747	80.288092	Underpass	Height – 3m Length – 30 m Width -5 m
2	Chityal to Bhupathipur Road	27	18.53866	80.292111	Underpass	Height – 3m Length – 30 m Width -5 m
3	Chityal to Bhupathipur Road	27	18.535983	80.295976	Underpass	Height – 3m Length – 30 m Width -5 m
4	Chityal to Bhupathipur Road	39 a	18.531273	80.294598	Underpass	Height – 3m Length – 30 m Width -5 m
5	Chityal to Bhupathipur Road	39 a	18.525551	80.295309	Underpass	Height – 3m Length – 30 m Width -5 m
6	Chityal to Bhupathipur Road	39 a	18.520006	80.295847	Underpass	Height – 3m Length – 30 m Width -5 m

B) Wildlife mitigation plan /Wildlife (WL) Conservation Plan: Habitat Improvement works.

Sr.No	Measures	Qty	Rate	Per	Amount
1.	Construction of big PTs along with Digging of bore wells, fixing solar operated pump sets etc. for providing water to wild animals round the year	1	12.00 lakh	each	12.00 lakh
2.	User agency to erect Chain link fencing along the road to prevent direct the wild animals into underpasses and prevent them from straying on road	As per field condition	-	-	By user agency
3	Speed regulating signage and speed breaker to be erected along the road at regular intervals (signage- 3 per 1 km)	24 or as per field conditions	-	-	By user agency
4	Avenue Plantation of forest tree species inside the Chain link fencing, towards the forest to prevent light pollution during night and to check soil erosion				By user agency

C) Wildlife mitigation plan/Wildlife (WL) Conservation Plan : Provision for Monitoring facility and Protection

Sl. No	Measures	Qty	Rate	Per	Amount
1	Watch tower and camping facility with solar power for monitoring the wildlife and fire treats in deep forest area	2	20 lakh	each	40.00 lakh
2	Purchase of Camera Traps 20nos @ Rs.30,000/- each (3 pair of camera trap for 1 km)	20	30000	each	6.00 lakh
					46.00 Lakhs

D) Wildlife mitigation plan/Wildlife (WL) Conservation Plan: Publicity and awareness

Sl. No	Measures	Qty	Rate	Per	Amount
1	Installation of Publicity and informative hoardings 3 nos @ Rs.0.750 Lakhs each	3	0.750 Lakhs		2.250 lakh
2	Improvement of the Existing Interpretation center/EEC Infrastructure at Eturnagaram WLS.	1	5.00 lakhs	each	05.00 lakh
3	Wildlife Awareness Fund to celebrate Week/Village night awareness campaign by play/Publish/	20	0.10 lakhs	each	2.00 Lakhs
4	Administrative Cost	LS	LS	LS	5.00 Lakhs
					14.25 Lakhs

E) Wildlife mitigation plan /Wildlife (WL) Conservation Plan: Soil Moisture Conservation works.



Sl. No	Range	Section	Beat	Com pt. Nos	Lat	Long	Type of Work	Phy in Nos	Unit cost	Fin in Lakhs
1	2	3	4	5	6	7	8	9	10	11
1	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.539633°	80.301456°	Check Dam	1	6.00	6.00
2	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.534412°	80.303229°	Check Dam	1	6.00	6.00
3	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.537103°	80.297945°	Percolation Tank	1	2.00	2.00
4	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.535277°	80.299438°	Percolation Tank	1	2.00	2.00
5	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.540522°	80.297522°	Percolation Tank	1	2.00	2.00
6	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.543329°	80.297528°	Rock fill dam	10	0.15	1.50
7	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	27	18.543768°	80.301780°	Rock fill dam	15	0.15	2.25
8	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.523218°	80.306856°	Check Dam	1	6.00	6.00
9	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.528649°	80.306654°	Check Dam	1	6.00	6.00
10	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.531359°	80.299018°	Percolation Tank	1	2.00	2.00
11	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.526675°	80.301938°	Percolation Tank	1	2.00	2.00
12	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.524414°	80.298043°	Percolation Tank	1	2.00	2.00
13	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.516865°	80.307095°	Rock fill dam	10	0.15	1.50
14	ETURNAG ARAM (N)	Bhupathi pur	Bhupathi pur (S)	39a	18.514798°	80.308153°	Rock fill dam	15	0.15	2.25
Etumnagaram (N) Total:										43.50
SMC Plan Grand Total:										43.50

Abstract of A, B, C, D and E Mitigation plan:

Thus the abstract of Mitigation Plan as indicated above as follows:

Sl. No.	Component	Amount (in lakhs)
1	B. Habitat Improvement works	12.00
2	C. Provision for Monitoring facility and Protection	46.00
3	D. Publicity and awareness	14.25
4	E. SMC Plan	43.50
	Grand Total:	115.75

Dt.31.08.2023
Place: Mulugu


District Forest Officer,
Mulug Districts

31/8

**E) Wildlife mitigation plan /Wildlife (WL) Conservation Plan: Soil Moisture Conservation Plan.
(Chityal to Bhupathipuram Road)**

Sl. No	Range	Section	Beat	Compt. Nos	Lat	Long	Type of Work	Phy in Nos	Unit cost	Fin in Lakhs
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							Eturnagaram (N) Total:			43.50
							SMC Plan Grand Total:			43.50

District Forest Officer,
Mulug District

10/3/18