

**GOVERNMENT OF TELANGANA
ROADS & BUILDINGS DEPARTMENT**

- 207 -

From

G. Poddaiyah, B.E.,
District (R&B) Officer,
(Executive Engineer)
Kumrambheem Asifabad.

To

District Forest Officer,
Kumrambheem Asifabad District.

Lr.No.DB/EE Asifabad/R&B/EDS/2022-23

Date:26.05.2022

Sir,

Sub: Diversion of 3.412 ha (revised from 4.654 Ha) of FLinAsifabad Division for Construction of BT road from Govena to Jambuldhara ~~to Loha~~ from km 0/0 to 9/400 via Sidamguda, Nagaguda and Maraguda village of Lingapur mandal, Tiryani and Kawal TF's of Asifabad Division, Kumrambheem Asifabad District- in favour of Dist R&B Officer, Kumrambheem Asifabad District- Submission of Additional Documents/Clarifications-Req-Reg.

Ref: 1. IRO, MoEF&CC, Hyd-F.No4-TSB 257/2022-Hyd/443, Dt: 12.04.2022.
2. Prl. C.C.F., TS Hyderabad, Rc.No.15848/2020/FCA-2, Dated: 19.04.2022.

* * * * *

Anent to the reference cited, I am here to submit the following additional information/clarifications for further consideration of proposals of Construction of BT road from Govena to Jambuldhara to Loha from km 0/0 to 9/400 via Sidamguda, Nagaguda and Maraguda village of Lingapurmandal.

1. In few proposals of R&B roads, the State Forest Department recommended for 5.50 mtrs width and in the instant proposals recommended for 7.50 mtrs width. However, no such specific justification for recommending 7.50 mtrs width has been reported. Hence, State Government / UA may explore the possibility of reducing the width to 5.5 M as proposed in few other such R&B proposals, depending on the technical feasibility.

Reply: 7.50m provides extra berm width, which enables bull carts and Caged wheels to use berms and gives extra life time to bituminous surface . Otherwise bull carts and Caged wheels damages the bituminous roads. But from technical point of view 5.50 m width also provides formation of bituminous road.

2. Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc may be furnished.

Reply: Cross section sheet enclosed.

3. State Government may inform whether or not RoW was allowed for the alignment proposed for diversion and if so, details with supporting documents (**RF/PF notification**) may be furnished.

Reply: Related to Forest department.

4. Revised map, kml file and map etc for an area of **3.412 ha** non forest area proposed for CA purpose shall be uploaded in the online application.

Reply: Revised map, kml file and map uploaded in the online application.

5. MAP and DGPS data for the entire area of 81.4313 ha NFL and 71.00 ha DFL may be submitted.

Reply: MAP and DGPS data for the area of 81.4313 Ha NFL already verified and authenticated by Principle Chief Conservator of Forests vide. RC.No.6465/2018/FCA2,
Dated:12.10.2021.

In view of the above, I request the District Forest Officer, Kumrambheem Asifabad to obtain necessary approval for the above work at earliest.

Encl: 1. Cross section sheet-5 Nos.
2. Revised Map-5 No's

Yours faithfully,



District R&B Officer

Division, Kumrambheem Asifabad

Copy Submitted to the Chief Engineer (R&B) LWE Hyderabad for favour of information

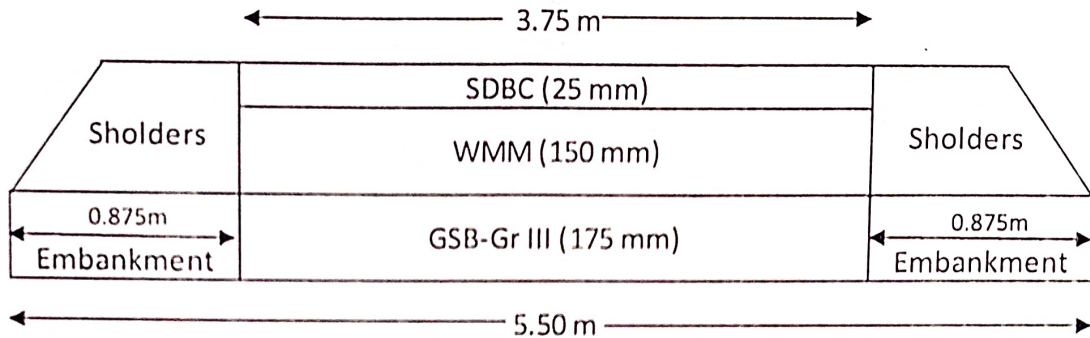
Cross Section Details

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Design/cross section of the proposed road clearly indicating the width of carriage way (BT portion), shoulders/ Berm / drainage etc may be furnished.

Reply: Road designed with CBR 4.03% and Traffic (T3). And below cross section will explain width and thickness of carriage way (BT portion), Shoulder/Berm/Drainage.


BT road from Govena to Jambuldhara




SDBC: Semi-Dense Bituminous Concrete

WMM: Wet Mix Macadam

GSB: Granular Sub-Base


Assistant Executive Engineer,
(R&B) Section, Asifabad.


District R&B Officer,
Kumrambheem Asifabad District

**Map showing Forest area proposed for Diversion for road works from Govena to Jambuldhara road
km 0/0 to 9/400 in Arsifabad Division sanctioned under RCPLWE in favour of EE, R&b, Asifabad**

Length of line = 6204.89 m
Width in mts = 550 m
Area in Ha = 3.413Ha

Name	Easting	Northing	Longitude	Latitude
00J1	296730.397	2129639.469	79.06607592	19.25016604
00J2	296755.317	2129718.664	79.06630452	19.25088387
00J3	296769.241	2129789.684	79.06642942	19.25152674
00J4	296824.007	2129851.324	79.06694374	19.25208899
00J5	296858.322	2129934.767	79.06726125	19.25284612
00J6	296920.668	2129948.095	79.06785276	19.25297276
00J7	296971.119	2129971.892	79.06833005	19.25319278
00J8	297006.226	2130036.488	79.06865709	19.25377975
00J9	297038.561	2130091.042	79.06895884	19.25427574
00J10	297099.881	2130120.564	79.06953889	19.25454855
00J11	297173.483	2130126.367	79.07023825	19.25460835
00J12	297230.714	2130146.846	79.07078038	19.25479907
00J13	297304.422	2130163.543	79.07147961	19.25495727
00J14	297370.352	2130194.318	79.07210338	19.25524186
00J15	297431.168	2130219.700	79.07267908	19.25547721
00J16	297491.298	2130244.062	79.07324837	19.25570328
00J17	297553.891	2130272.019	79.07384071	19.25596207
00J18	297596.601	2130312.372	79.07424264	19.25633083
00J19	297636.095	2130354.301	79.07461383	19.25671350
00J1A	296702.706	2129527.577	79.06582442	19.24915262
00J1B	296615.720	2129546.772	79.06499515	19.24931725
00J1C	296533.942	2129576.005	79.06421435	19.24957306
00J20	297662.167	2130404.614	79.07485648	19.25717055
00J21	297686.465	2130468.462	79.07508084	19.25774968
00J22	297691.305	2130585.874	79.07511449	19.25881066
00J23	297696.556	2130643.538	79.07515834	19.25933203
00J24	297714.844	2130701.658	79.07532615	19.25985882
00J25	297731.298	2130758.399	79.07547666	19.26037297
00J26	297767.166	2130798.908	79.07581352	19.26074245
00J27	297811.023	2130831.890	79.07622715	19.26104474
00J28	297852.767	2130876.267	79.07661950	19.26144974
00J29	297913.127	2130931.430	79.07718776	19.26195404
00J30	297918.799	2130985.576	79.07723600	19.26244367
00J31	297945.259	2131041.862	79.07748173	19.26295470
00J32	297950.846	2131067.725	79.07753214	19.26318886
00J33	297905.671	2131090.047	79.07710013	19.26338597
00J34	297879.928	2131138.071	79.07685023	19.26381715
00J35	297848.742	2131188.819	79.07654829	19.26427241
00J36	297826.340	2131222.198	79.07633170	19.26457166
00J37	297801.671	2131265.924	79.07609246	19.26496413
00J38	297802.788	2131308.522	79.07609860	19.26534900
00J39	297848.775	2131341.283	79.07653253	19.26564951
00J40	297868.165	2131377.135	79.07671317	19.26597528
00J41	297917.017	2131358.499	79.07717977	19.26581184
00J42	297963.023	2131338.523	79.07761943	19.26563602
00J43	298014.951	2131356.581	79.07811142	19.26580432
00J44	298071.351	2131389.131	79.07864441	19.26610395
00J45	298147.423	2131402.098	79.07936658	19.26622868
00J46	298220.360	2131437.511	79.08005656	19.26655583
00J47	298276.323	2131486.048	79.08058372	19.26699982
00J48	298320.496	2131556.791	79.08099641	19.26764321
00J49	298354.738	2131620.220	79.08131543	19.26821954
00J50	298386.015	2131676.422	79.08160700	19.26873030
00J51	298428.185	2131736.533	79.08200177	19.26927745
00J52	298466.673	2131804.856	79.08236066	19.26989841
00J53	298478.583	2131882.996	79.08246573	19.27060539
00J54	298486.373	2131946.982	79.08253309	19.27118410
00J55	298521.248	2132013.973	79.08285777	19.27179267
00J56	298566.641	2132082.593	79.08328231	19.27241700
00J57	298603.782	2132178.275	79.08362552	19.27328494
00J58	298647.792	2132240.238	79.08403761	19.27384900
00J59	298697.286	2132304.449	79.08450163	19.27443391

Name	Easting	Northing	Longitude	Latitude
00J60	298719.850	2132380.482	79.08470827	19.27512291
00J61	298766.896	2132442.092	79.08514929	19.27568408
00J62	298768.010	2132516.542	79.08515207	19.27635665
00J63	298737.773	2132588.429	79.08485692	19.27700295
00J64	298722.372	2132646.775	79.08470429	19.27752841
00J65	298737.747	2132704.217	79.08484451	19.27804878
00J66	298743.217	2132790.765	79.08488745	19.27883106
00J67	298746.765	2132872.988	79.08491256	19.27957408
00J68	298759.737	2132960.522	79.08502676	19.28036600
00J69	298773.863	2133041.072	79.08515267	19.28109497
00J70	298788.992	2133122.510	79.08528802	19.28183205
00J71	298807.429	2133204.925	79.08545475	19.28257829
00J72	298831.121	2133287.710	79.08567141	19.28332839
00J73	298872.604	2133348.909	79.08605958	19.28388530
00J74	298936.323	2133411.662	79.08665909	19.28445846
00J75	298981.885	2133468.753	79.08708650	19.28497866
00J76	298999.125	2133481.071	79.08629797	19.28508168
00J77	298800.981	2133496.130	79.08536283	19.28520791
00J78	298696.230	2133510.642	79.08436489	19.28532853
00J79	298609.294	2133526.278	79.08353630	19.28546109
00J80	298518.552	2133546.625	79.08267100	19.28563581
00J81	298431.661	2133561.812	79.08184288	19.28576430
00J82	298434.062	2133650.866	79.08185635	19.28656891
00J83	298467.720	2133718.290	79.08216941	19.28718127
00J84	298401.225	2133769.952	79.08153146	19.28764125

DISTRICT R&B OFFICER

Ex-officio Eng. Legend

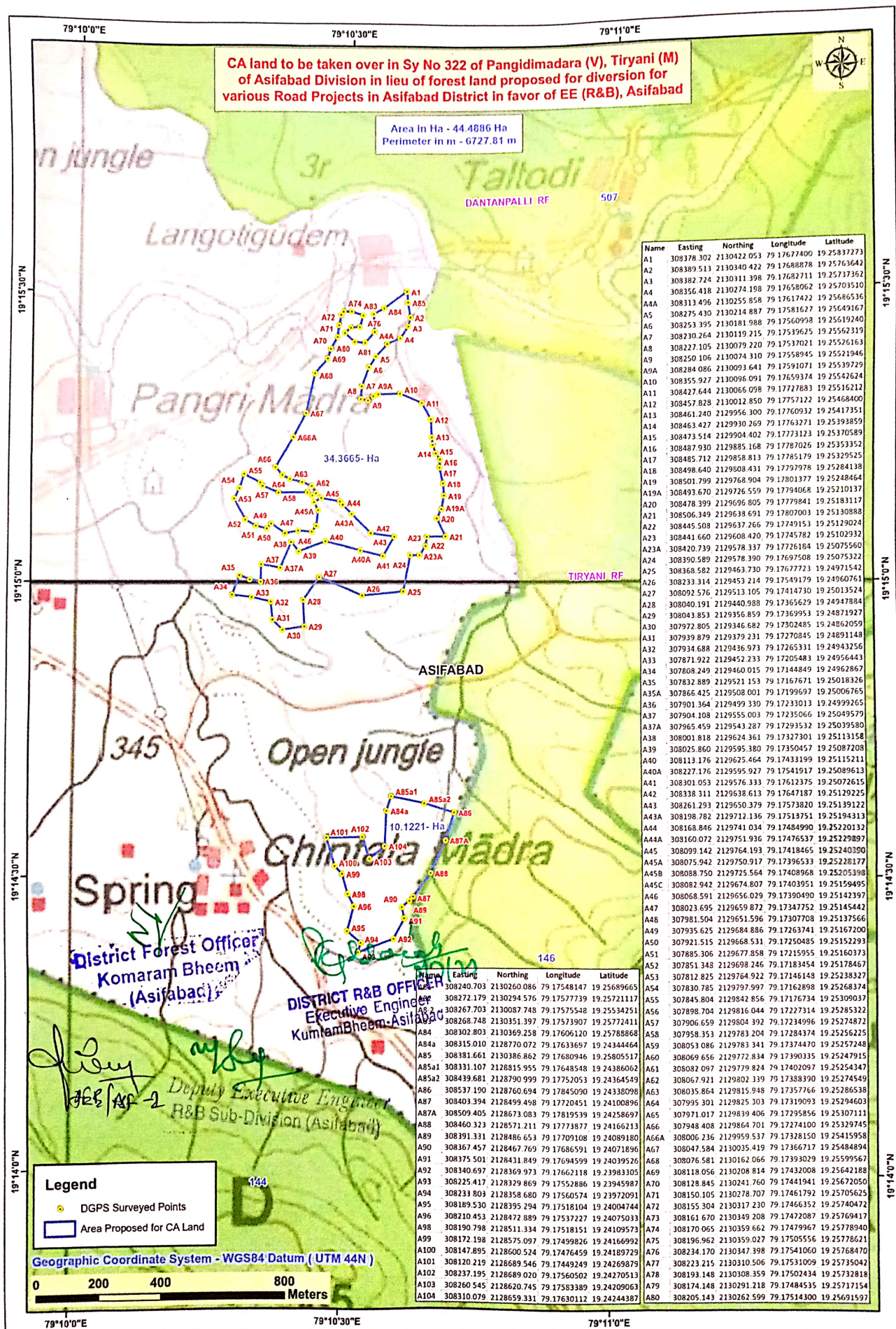
GPS Surveyed Points

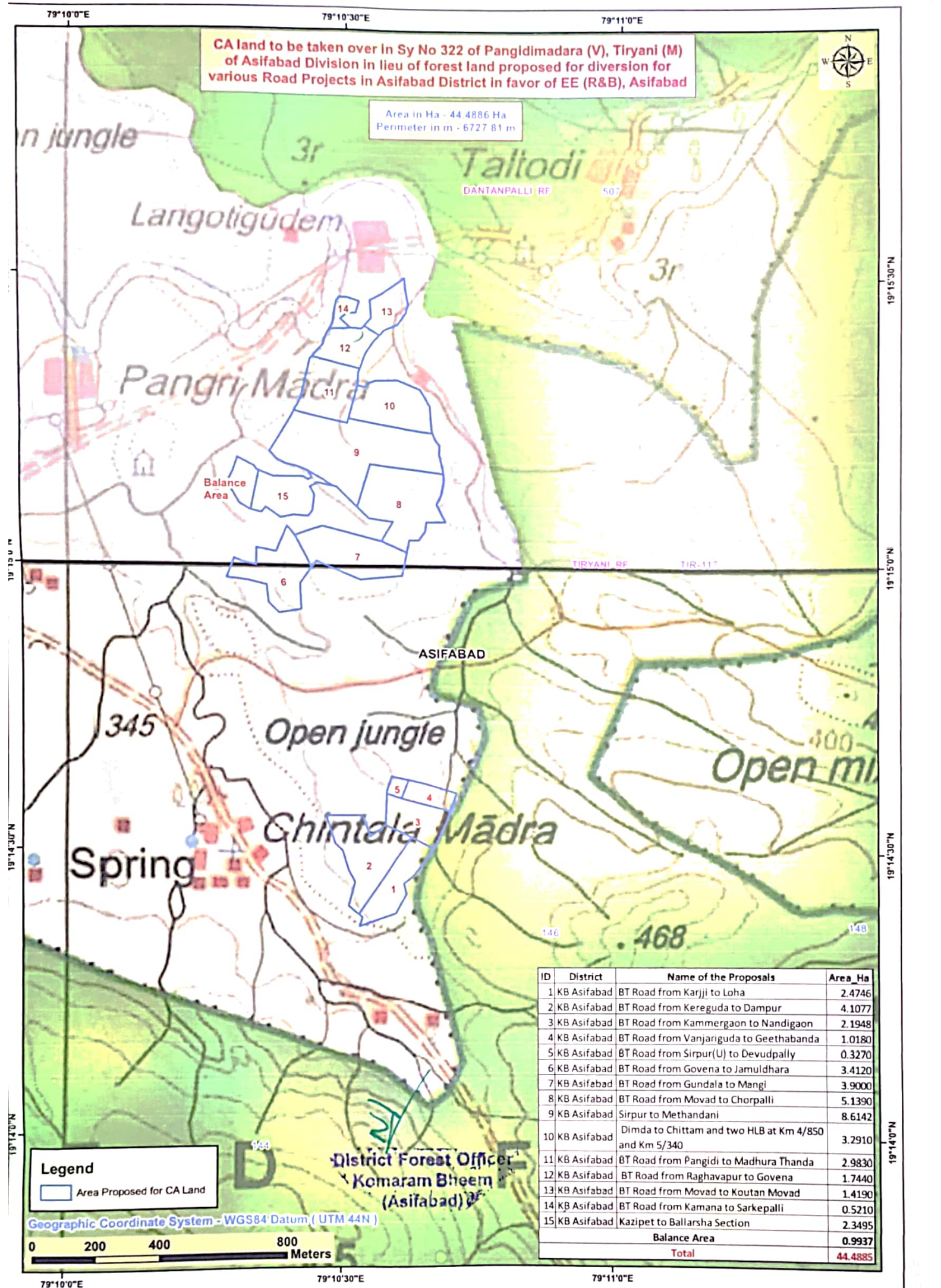
Area Proposed for Diversion

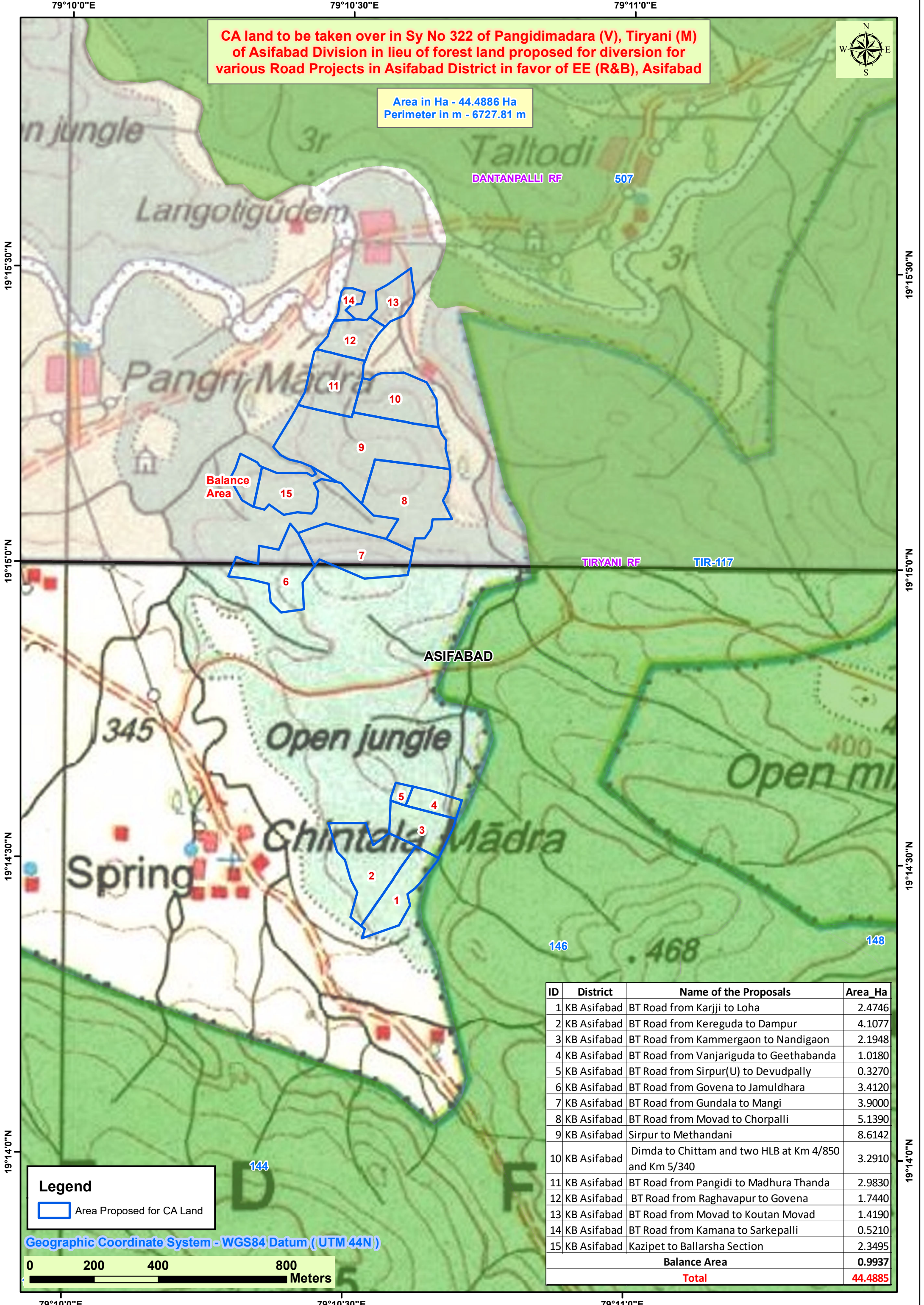
Geographic Coordinate System - WGS84 Datum (UTM 44 N)

Tagged to nearest SOI GCP 79°7'0"E

0 600 1,200 2,400 Meters







F.No.6-154/2022 WL
Government of India
Ministry of Environment, Forest and Climate Change
(Wildlife Division)

2nd Floor, Vayu Wing,
Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi 110003.

Date: 7th July, 2023

To,

The Principal Secretary,
Forest Department,
Aranya Bhavan, Saifabad,
Hyderabad 500004.

Sub: Proposal for use of 3.412 ha of forest land (1.819 ha area falling in core area of Kawal Tiger Reserve and 1.593 ha area falling in buffer area of Kawal Tiger Reserve) for construction of BT road from Govena to Jambuldhara from Km 0/0 to 9/400 via Sidamguda, Nagaguda and Maraguda villages of Lingapur Mandal, Tiryani and Kawal RFs of Asifabad Forest Division of KB Asifabad district, Telangana-FP/TG/ROAD/119263/2021.

Sir,

Reference is invited to the subject mentioned above. The above proposal was discussed in the 72nd (part) Meeting of Standing Committee of National Board for Wild Life held on 12th June, 2023 under the Chairmanship of Hon'ble Minister for Environment, Forest & Climate Change.

2. After discussion, the Standing Committee decided to recommend the proposal subject to the following conditions:


- I. The User Agency shall provide 12 animal passages (6 in core and 6 in buffer), each of length of 30 m along the stretch of the road passing through the forest for which widening has been proposed at the locations indicated in the animal passage plan. Since the landscape has presence of tiger and gaur, the minimum height for proposed animal underpasses should be made 4 m.



- II. The underpasses shall have bell-mouth opening with splayed wing walls at both ends with grasses, herbs and shrubs to facilitate movement of wild animals.
- III. Chain link fencing shall be installed for a length of 100 m on either side of the underpasses on either side of the road which shall be periodically maintained by the User Agency. Special warning signs shall be placed where fencing ends.
- IV. The user agency shall install speed control devices with proper caution sign boards at animal crossing points identified by the FDO.
- V. The following mitigation plan as recommended by CCF/CF, Adilabad is approved for Rs.100.00 lakhs.

(Rs.in lakhs)

Sl. No	Name of the item	Unit Cost	Qty.	Amt.
1	Engaging animal trackers (5 No. for 3 years @ 9,000 per month per person)	0.09 per month per person	5 No.	16.20
2	Erection of check gates to control wildlife entering to road along with chain link fencing for 50 m on either side of the check gate to curb movement of domestic animals and trespassers	0.45 each	10 No	4.50
3	Construction of solar powered percolation tank along with drilling of borewell.	6.00 each	1 No	6.00
4	Integrated camping site-creation of water sources by constructing major percolation tank (cost Rs.5.00 lakh) along with drilling and installation of two Solar Powered Borewells (cost Rs.3.50 lakh each) to fill the pumps along with a watch tower cum camping site	20.00 each	2 No	40.00
5	Management of Grasslands by uprooting obnoxious weeds and sowing locally collected grass seeds (including maintenance for 3 years)	0.40 per ha	20 ha	8.00
6	Raising of fodder plots with chain link fencing	2.50 per ha	2 ha	5.00
7	Procurement of camera traps	0.25 each	4 Nos	1.00
8	Development of approach path each to the integrated camping facility.	LS	LS	1.00
9	Procurement of equipment like GPS, binoculars etc., to monitor wildlife	LS	LS	1.00



10	Installation of large hoardings	1.00 each	2 No	2.00
11	Conducting awareness programmes	0.25 each	4 No	1.00
12	Creation of fire lines and maintenance for 3 years	0.25 per km	15 km	3.75
13	Engaging fire watchers (5 No. for 3 years @9,000 month per person for five months in a year)	0.09 per month per person	5 No	6.75
14	Mitigation Human animal conflict issues	LS	LS	2.00
15	Administrative cost & unforeseen expenditure	As per actual	LS	1.80
Total				100.00

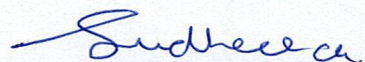
- VI. The works shall be carried out only between 8.00 AM to 4.00 PM without disturbing /damaging flora, fauna of the area.
- VII. No labour camp shall be set up during the execution of work.
- VIII. All the debris at the site of construction of under passes shall be removed after construction.
- IX. Care shall be taken to ensure no incidents of fire occur in the forest area. No explosives to be used.
- X. There shall be no violation of FCA Act or Wild Life (Protection) Act, during the execution of work.
- XI. Any other condition specified by the circle head/DFO/FDO shall be complied with.
- XII. The mitigation amount of Rs.100.00 lakh shall be deposited in the BIOSOT account of Chief Wild Life Warden in Union Bank, Secretariat Branch, Hyderabad bearing A/C No.110310100030284, IFSC Code UBIN0811033.
- XIII. The animal passages should be concrete (RCC) structures so as to enhance their longevity and minimize disturbances caused during annual repair / maintenance of otherwise bitumen structures. The approach to an animal crossing is a crucial factor in determining its use. Appropriate use of vegetation (trees, shrubs and grasses) can play a significant role in enhancing the naturalness of an engineered structure.
- XIV. User Agency should ensure that no drainage is blocked by desilting the existing water passageways and additional culvert(s) for passage of water may be provided wherever applicable. Box and pipe culverts need to be placed at additional places (wherever possible) permitting unhindered movement of smaller mammals, amphibians and reptiles. Details of these structures may be adopted from WII guidelines on linear infrastructures and placement of these structures should be decided in consultation with forest department.
- XV. The remaining portion of the road should be provided with speed breakers and rumble strips at every interval of 500 meters. Speed breakers and rumble strips should be appropriately marked to make

them visible to the drivers (both during day and night) so as to avoid vehicular accidents. Sign posts warning about movements of wild animals should also be placed by the user agency at regular intervals along the widened road. These should be placed where wildlife crossings are maximum and should be determined in consultation with forest department.

- XVI. The User Agency should ensure that the animal passages are not inundated with water during rains. Regular removal of debris and silts at the passage structures should be done by the project proponent.
- XVII. User Agency shall construct a forest check post along the road at the junction between core and buffer of the Tiger Reserve. The check post should be manned for 24X7 to monitor vehicular movement. Attempt should be made to regulate night traffic inside the core of the Tiger Reserve.
- XVIII. Construction work should be during daytime and no night camp of labours and contractor/ user agency officials inside the forest should be allowed.
- XIX. Construction materials (including top soil) should be procured from outside the forest area. The debris should be appropriately dumped outside the forest by user agency taking due care of air/dust pollution.
- XX. User Agency should ensure that the construction period is kept minimal.
- XXI. Chief Wild Life Warden, Telangana should have appropriate mechanism in place for compliance of the conditions laid in this report during various phases of project implementation.
- XXII. The annual compliance certificate on the stipulated conditions should be submitted by the project proponent to the State Chief Wild Life Warden and an annual compliance certificate shall be submitted by the State Chief Wild Life Warden to the Government of India.

3. The minutes of the meeting have been posted online in the "PARIVESH" portal of this Ministry.

Yours faithfully,



(Dr. Sudheer Chintalapati)

Scientist 'E'

Email: sudheer.ch@gov.in

Copy to:

- 1. Chief Wild Life Warden, Forest Department, Aranya Bhavan, Saifabad, Hyderabad 500004.

2. Deputy Director General of Forests, Regional Office, Ministry of Environment, Forest and Climate Change, Chennai.
3. Inspector General of Forests, Sub-Regional Office, Ministry of Environment, Forest and Climate Change, Aranya Bhavan, 3rd Floor, Saifabad, Hyderabad-500004, Telangana.
4. Inspector General of Forests, FC Division, MoEF&CC.
5. Joint Secretary, IA Division, MoEF&CC.



(Dr. Sudheer Chintalapati)

Scientist 'E'

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