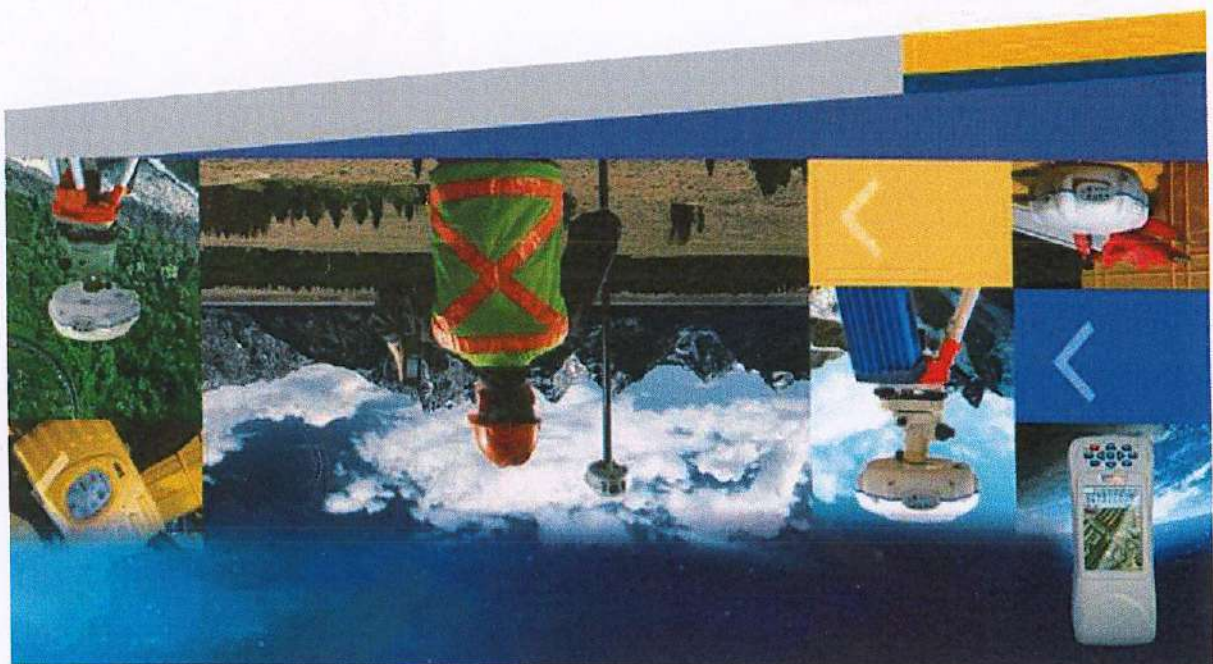


G. S. ENERGIES PRIVATE LIMITED

DCPS Survey of Forest Patches for Diversion Proposal of
Forest Land in Bastar Division for 132KV DCDS EHT
Transmission Line from CHITRAKOTE to JAGDALPUR,
For 21MW Gammarmund Small Hydro Power Project
(Approx. Route Length 40.376km)



DCPS SURVEY AND GIS MAPPING DONE BY:
Geotrax International Services
Raipur, Chhattisgarh.



Table of Contents

1. Introduction and Background	3
2. Scope of Work	5
3. Deliverables	6
4. Brief description of the Technical approach	7
4.1 Input Data	7
4.2 GIS Data Preparation	7
4.3 Establishment of Primary Control Point	7
4.4 Establishment of Secondary Control Point (SCP) & Temporary Bench Marks (TBM) 8	
Image showing the SCP	
Image showing TBM point	9
Fig-4: Images showing Secondary Control Point (SCP) & Temporary Bench Marks (TBM)	9
4.5 DGPS Survey	10
4.6 Creation of Vector Layers of the 132KV Transmission Line	10
4.7 Geo-referencing of cadastral map	11
4.8 Creation of Forest Patches	11
4.9 Specification of DGPS Equipment	11
5. Results	14
6. Background of Organization	18
6.1 Company Profile: Geotrax	18
7. Annexures	20
7.1 Annexure – 1: PCP Observation Processing Report	20
7.2 Annexure – 2: DGPS Surveyed co-ordinate of Centreline Points	27
7.3 Annexure – 3: DGPS Surveyed co-ordinates of Forest Patches	31
7.4 Annexure – 5: DGPS Surveyed Map of 132KV Transmission Line showing proposed forest diversion area on SOI Toposheet	39
Fig:5 -Map Showing 132KV Transmission Line Layer on SOI Toposheet in 1:50,000 scale	39
7.5 Annexure – 6: DGPS Surveyed Map of 132KV Transmission Line showing proposed forest diversion area on Forest Stock Map	40
Fig:6- Map Showing 132KV Transmission Line Layer on Stock Map in 1:50,000 scale	40
7.6 Annexure – 7: DGPS Surveyed Map of 132KV Transmission Line showing proposed forest diversion area & Alternative Route on SOI Toposheet	41
Fig:7- Map Showing 132KV Transmission Line Layer with Alternative Route on SOI Toposheet in 1:50,000 scale	41



The Chhattisgarh Renewable Energy Development Agency (CREDA) has allotted to M/S. G.S. Energies Pvt Ltd., #6-3-1186/A/5/1, First floor, Behind Blue Moon Hotel, B.S. Maktha, Begumpet, Hyderabad – 500016 is setting up 21MW Small Hydro Power Project on river Indravati near Gammarmund village of Bastar District.

In view of the above we will go for power evacuation from the proposed project to Jagdalpur 132 K.V Sub-Station at Jagdalpur, Bastar District, Chhattisgarh State. The distance between power house and Jagdalpur substation is about 40 K.M (approx).

132 KV Transmission line passes through four Tehsils of Bastar District - Tahsil Bastar, Lohandiguda, Tokapal, Jagdalpur. The entire route passes through Bastar Forest Division.

In Bastar forest Division, Transmission line passes through Bastar Chitrakote & Jagdalpur Ranges. The proposed route surveyed and finalized in such manner optimizing of forest land and it passes through revenue forest and protected forest land. Total forest land proposed to be diverted is 18.092 Ha. in which Revenue forest land is 16.571 Ha., and protected forest and is 1.521 Ha.

Total Forest land proposed for diversion is 18.092 Ha.

Specially designed towers are proposed to be used for transmission line passing through the forest patches such that the ground clearance of bottom conductor is above 14 meters.

This project will supply nearly 78.92 MU P.A and will generate some employment for local people.

1. Introduction and Background

$\cdot (T$

Latitude: N19°04'34.70024", Longitude: E82°02'03.86504"
Easting: 608826.179, Northing: 2109591.623
EGM Height: 559.102m, Ellipsoidal Height: 491.345m.

EGM Height: 559.102m, Ellipsoidal Height: 491.345m.

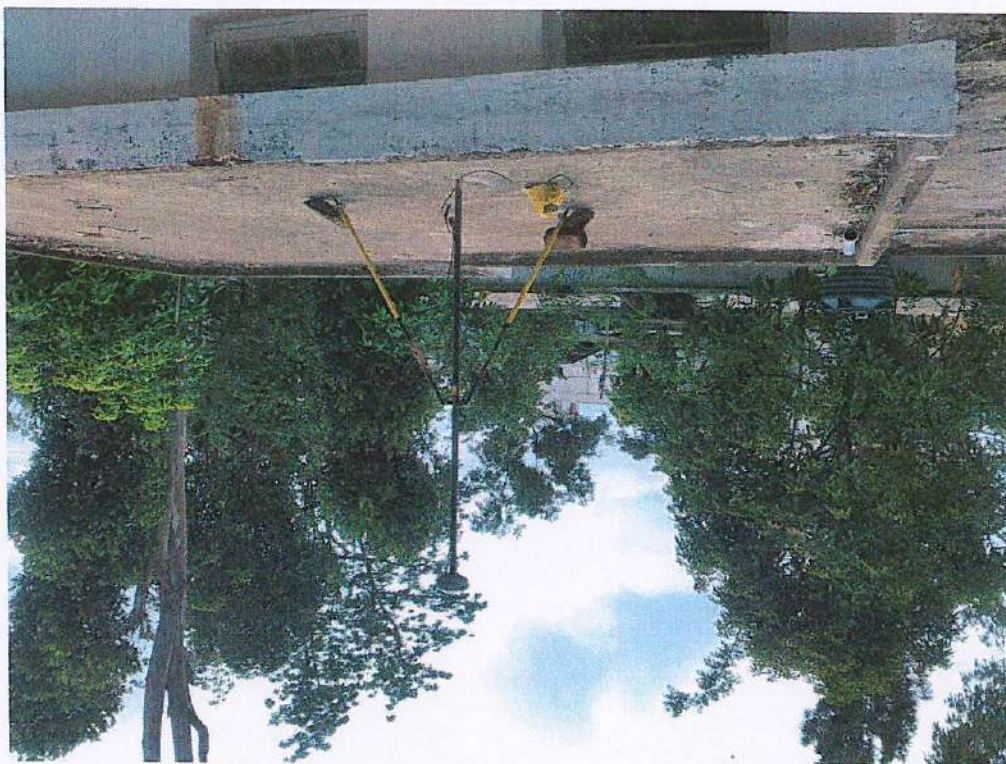


Fig-3: Images showing Primary Control Point (PCP)

4.4 Establishment of Secondary Control Point (SCP) & Temporary Bench Marks (TBM)

One Secondary Control Point is established. Temporary Bench Marks established at an average of 10km distance on near permanent locations along the 132 KV tower corridor. The DGPS observation of 4 hours duration is carried out on the Secondary control points and Temporary Bench Marks is established with reference to Primary Control Point.



Image showing the SCP



Image showing TBM point

Fig-4: Images showing Secondary Control Point (SCP) & Temporary Bench Marks (TBM)

Table: 1 Showing Locations of the SCP & TBMS coordinates.

Sl.No	Point ID	Easting"m"	Northing"m"	EGM Height(m)	Latitude"N"	Longitude"E"	Ellipsoide Height(m)
1	SCP	571246.5132	2124391.487	576.191	19°12'42.15114"N	81°40'39.99542"E	509.006
2	TBM-01	570245.307	2122401.856	568.275	19°11'37.54893"N	81°40'5.44727"E	500.537
3	TBM-02	570184.262	2122297.704	571.822	19°11'34.16820"N	81°40'3.3431"E	504.078
4	TBM-03	570113.538	2122220.492	574.665	19°11'31.66508"N	81°40'0.91151"E	506.918
5	TBM-04	569923.006	2122064.803	577.945	19°11'26.62378"N	81°39'54.36704"E	510.187
6	TBM-05	569677.52	2121858.609	579.604	19°11'19.94613"N	81°39'45.93448"E	511.834
7	TBM-06	571035.471	2123825.468	574.97	19°12'23.76375"N	81°40'32.69296"E	507.304
8	TBM-09	603589.008	2110774.873	576.969	19°5'14.17318"N	81°59'4.90469"E	509.172
9	TBM-10	601383.782	2111692.508	549.342	19°5'44.42342"N	81°57'49.62075"E	481.561
10	TBM-11	599008.547	2111328.975	559.637	19°5'33.01763"N	81°56'28.27528"E	491.815
11	TBM11A	596907.231	2112587.489	546.597	19°6'14.32190"N	81°55'16.59751"E	478.807
12	TBM-12	595523.852	2114152.108	549.576	19°7'5.45595"N	81°54'29.53444"E	481.838
13	TBM-12A	592737.815	2115356.599	553.155	19°7'45.10338"N	81°52'54.39195"E	485.439
14	TBM-13	591152.317	2114954.533	568.424	19°7'32.28151"N	81°52'0.05721"E	500.674
15	TBM-14	588979.976	2115896.444	580.576	19°08'03.26951"N	81°50'45.86213"E	512.844
16	TBM-15	586108.141	2116711.022	560.443	19°08'30.21416"N	81°49'07.69493"E	492.715
17	TBM-16	583239.686	2117568.183	552.423	19°08'58.52941"N	81°47'29.64063"E	484.703
18	TBM-17	581506.174	2118837.23	550.948	19°09'40.06712"N	81°46'30.49225"E	483.263
19	TBM-18	579045.674	2119920.422	544.874	19°10'15.65591"N	81°45'6.41838"E	477.209
20	TBM-19	576809.841	2121469.639	541.042	19°11'6.36463"N	81°43'50.09332"E	473.399
21	TBM-20	574218.965	2121109.54	568.441	19°10'54.99694"N	81°42'21.33266"E	500.632
22	TBM-21	572289.271	2120952.089	585.504	19°10'50.12548"N	81°41'15.24033"E	517.747

5. Results

The forest area proposed for diversion is computed from the Geo-referenced maps and the area of each Revenue Forest khasra was compared with the village ROR data given by Revenue Department and Forest Department was compared with the Stock Map given by Forest Department. DGPS Survey coordinates of TBM and 132KV transmission line Centerline coordinates is in Annexure-2. The geo-referenced co-ordinates of forest land patches for each village is in Annexure -3.

The area statement is given in the following below tables:

Total Forest Diversion Area Summary

Area Statement For Proposed Forest Diversion Area			
Sl. No	District	Feature	Revenue Forest Area(Ha)
1	Bastar	132 KV Transmission Line	16.571
Total Proposed Area			18.092
			Forest Area(Ha)
			1.521

SCHEDULE OF TOTAL FOREST DIVERSION LAND

SCHEDULE OF FOREST AREA OF 132KV TRANSMISSION LINE						
SCHEDULE OF FOREST LAND - PROTECTED FOREST						
TABLE - A	SL. NO.	PATCH NUMBER	DIVISION	RANGE	COMPARTMENT TYPE	COMPARTMENT NUMBER
	1	PATCH NO 1	BASTAR	BASTAR	PROTECTED FOREST	PF 1392
	2	PATCH NO 2	BASTAR	CHITRAKOTE	PROTECTED FOREST	PF 1585
						0.103
						1.418
						1.521

SCHEDULE OF REVENUE FOREST AREA OF 132KV TRANSMISSION LINE **SCHEDULE OF FOREST LAND - REVENUE FOREST (CJJ + BJJ)**

SL. NO.	PATCH NUMBER	DISTRICT	TEHSIL	VILLAGE NAME	KHASRA NUMBER	DIVERSION AREA (in HA)
1	PATCH NO 3	Bastar	Lohandiguda	Chitrakote	788	0.744
2	PATCH NO 4	Bastar		Chitrakote	748	1.653
3	PATCH NO 4	Bastar		Chitrakote	520	0.153
4	PATCH NO 4	Bastar		Chitrakote	521	0.187
5	PATCH NO 5	Bastar		Chitrakote	524	0.260
6	PATCH NO 5	Bastar		Chitrakote	520	0.257
7	PATCH NO 6	Bastar		Chitrakote	532	0.381
8	PATCH NO 6	Bastar		Chitrakote	534	0.494
9	PATCH NO 6	Bastar		Chitrakote	536	0.487
10	PATCH NO 7	Bastar		Chitrakote	1084	0.245
11	PATCH NO 8	Bastar		Chitrakote	1511	0.466
12	PATCH NO 9	Bastar		Chitrakote	1506	0.162
13	PATCH NO 10	Bastar		Chitrakote	1484	0.031
14	PATCH NO 11	Bastar		Chitrakote	1533	0.108
15	PATCH NO 12	Bastar		Chitrakote	1760	0.021
16	PATCH NO 13	Bastar		Usaribeda	235	0.003
17	PATCH NO 14	Bastar		Badanji	737	0.075
18	PATCH NO 15	Bastar		Badanji	991	0.676
19	PATCH NO 16	Bastar		Badanji	991	0.021
20	PATCH NO 17	Bastar	Tokapal	Chhaparbhampur	1241	0.132
21	PATCH NO 18	Bastar		Chhaparbhampur	1211	0.157
22	PATCH NO 19	Bastar		Chhaparbhampur	1214	0.072
23	PATCH NO 20	Bastar		Chhaparbhampur	1172	0.105
24	PATCH NO 20	Bastar		Chhaparbhampur	1179	0.384
25	PATCH NO 21	Bastar		Chhaparbhampur	1432	0.001
26	PATCH NO 22	Bastar		Chhaparbhampur	1461	0.037
27	PATCH NO 23	Bastar		Chhaparbhampur	1461	0.066
28	PATCH NO 24	Bastar		Chhaparbhampur	1454	0.048
29	PATCH NO 25	Bastar		Chhaparbhampur	1446	0.387
30	PATCH NO 26	Bastar		Chhaparbhampur	1451	0.474
31	PATCH NO 27	Bastar		Tehkpal	83	0.058
32	PATCH NO 27	Bastar		Tehkpal	84	0.082
33	PATCH NO 28	Bastar		Tehkpal	76	0.089
34	PATCH NO 28	Bastar		Tehkpal	75	0.167
35	PATCH NO 29	Bastar		Tehkpal	71	0.170
36	PATCH NO 29	Bastar		Tehkpal	69	0.459
37	PATCH NO 30	Bastar		Tehkpal	69	0.005
38	PATCH NO 31	Bastar		Tehkpal	36	0.015
39	PATCH NO 32	Bastar		Tehkpal	27	0.049
40	PATCH NO 33	Bastar		Karangi	7	0.794
41	PATCH NO 34	Bastar		Karangi	6	0.402
42	PATCH NO 34	Bastar		Karangi	2	0.245

TABLE - B



Non-Forest Area statement of 132KV Transmission Line

6. Background of Organization

6.1 Company Profile: Geotrax

Geotrax International Services (www.geotrax.in) is a Professional Land Mapping and Services provider across India established in the year 1999. During the last 14+ years, we had an opportunity to execute a variety of surveying jobs all over India and in the Middle East to various customer specifications for RIS, LIS, and Municipal GIS oriented jobs. Cadastral Surveys using ETS/DGPS and Provision of Ground control conforming to stringent accuracy standards using high end instruments as RTK/GPRS DGPS is our specialty. We also have a UAV (Drone) and Ground Penetrating Radar (on Roaster).

Geotrax is headed by Mr. V.V.S Bandhakavi (Ex-Survey of India employee) who has more than 40+ years' experience in the field of surveying in India and abroad.

Some of our major clients include:

- Odisha Space Application Centre (ORSAC)
- Steel Authority of India (SAIL)
- National Thermal Power Corporation (NTPC)
- Survey Settlement and Land Records Department (Govt. Of Gujarat)
- Survey Settlement and Land Records Department (Govt. Of Madhya Pradesh)
- Irrigation Dept. (Govt. of Jammu and Kashmir)
- National Remote Sensing Agency (Hyderabad)
- Meinhardt India Private Limited (Delhi),
- Nagarjuna Construction Company (NCC, Hyderabad)
- Consulting Engineering Services (CES, New Delhi)
- Lee Associates of South Asia (LASA, Delhi)
- Power development Corporation (Govt. of Jammu and Kashmir)

Geotrax expertise covers:

- ❖ DGPS Surveys for Mining lease boundary, and Forest Diversion
- ❖ Consultancy services for Mining Plan & EIA
- ❖ Boundary and cadastral surveys using DGPS and Total station;
- ❖ Topographic surveys.
- ❖ Ground control surveys for photogrammetric projects, including Airborne GPS.
- ❖ Only one of the two companies in India who are empanelled by NRSA for DGPS survey for ground control point collection
- ❖ Route and alignment surveys combining conventional and photogrammetric methods.
- ❖ Construction and cross-section surveys (from road design to precision layout and quality control).



Being a client focused organization, Geotrax's combination of survey equipment, personnel, and computer resources allow for the tailoring of the project approach to match the orders of accuracy and precision requirements for each project. Geotrax's equipment resources include 250 DGPS, 33 hand-held GPS units, theodolites, electronic digital and automatic levels, 19 Electronic Total Stations, and data collectors.

On the mapping side, our CAD and GIS professionals assist the survey projects by creating accurate maps. We have dedicated CAD experts who have extensive experience with different CAD software.

7.2 Annexure - 2: DGPS Surveyed co-ordinate of Centreline Points

Sl.No	Pillar Id	Eastings (m)	Northings (m)	Latitude "N"	Longitude "E"
1	AP-1	569775.336	2121677.241	19°11'14.03361"	81°39'49.26012"
2	1 A	569954.724	2121412.389	19°11'05.39497"	81°39'55.36784"
3	1 B	570111.955	2121180.249	19°10'57.82328"	81°40'00.72102"
4	AP-2	570250.568	2120975.598	19°10'51.14813"	81°40'05.44022"
5	2 A	570542.994	2121082.153	19°10'54.57813"	81°40'15.46668"
6	2 B	570835.709	2121188.813	19°10'58.01135"	81°40'25.50312"
7	2 C	571124.642	2121294.095	19°11'01.40007"	81°40'35.41005"
8	2 D	571400.068	2121394.455	19°11'04.63023"	81°40'44.85393"
9	2 E	571588.967	2121463.286	19°11'06.84553"	81°40'51.33099"
10	AP-3	571768.176	2121528.587	19°11'08.94713"	81°40'57.47585"
11	3 A	571988.162	2121372.545	19°11'03.84261"	81°41'04.98718"
12	AP-4	572176.141	2121239.206	19°10'59.48068"	81°41'11.40557"
13	AP-5	572508.913	2121290.006	19°11'01.09062"	81°41'22.80639"
14	5 A	572778.775	2121226.131	19°10'58.97780"	81°41'32.03767"
15	AP-6	573048.637	2121162.256	19°10'56.86485"	81°41'41.26887"
16	6 A	573270.324	2121380.521	19°11'03.93680"	81°41'48.88913"
17	6 B	573494.302	2121601.041	19°11'11.08173"	81°41'56.58834"
18	6 C	573688.813	2121792.550	19°11'17.28658"	81°42'03.27476"
19	AP-7	573889.997	2121990.629	19°11'23.70425"	81°42'10.19075"
20	7 A	574131.317	2121995.216	19°11'23.82176"	81°42'18.45433"
21	7 B	574409.699	2122000.507	19°11'23.95719"	81°42'27.98709"
22	AP-8	574702.119	2122006.065	19°11'24.09930"	81°42'38.00053"
23	8 A	574976.078	2122047.140	19°11'25.39917"	81°42'47.38683"
24	8 B	575224.084	2122084.323	19°11'26.57578"	81°42'55.88399"
25	8 C	575489.305	2122124.088	19°11'27.83394"	81°43'04.97096"
26	AP-9	575720.357	2122158.730	19°11'28.92991"	81°43'12.88730"
27	9 A	576007.723	2122123.604	19°11'27.74845"	81°43'22.72200"
28	AP-10	576267.496	2122091.850	19°11'26.68033"	81°43'31.61229"
29	10 A	576468.914	2121968.389	19°11'22.63652"	81°43'38.49137"
30	AP-11	576653.851	2121855.030	19°11'18.92356"	81°43'44.80747"
31	11 A	576940.182	2121607.822	19°11'10.84226"	81°43'54.57598"
32	11 B	577183.622	2121397.643	19°11'03.97137"	81°44'02.88102"
33	AP-12	577429.814	2121185.089	19°10'57.02271"	81°44'11.27975"
34	12 A	577419.580	2120921.229	19°10'48.44013"	81°44'10.89119"
35	12 B	577409.924	2120672.273	19°10'40.34232"	81°44'10.52460"
36	AP-13	577400.071	2120418.222	19°10'32.07882"	81°44'10.15053"
37	13 A	577687.861	2120307.408	19°10'28.43420"	81°44'19.98769"
38	13 B	577987.182	2120192.155	19°10'24.64340"	81°44'30.21884"
39	AP-14	578272.251	2120082.389	19°10'21.03296"	81°44'39.96274"
40	14 A	578498.980	2119969.515	19°10'17.32941"	81°44'47.70867"

SL.No	Pillar Id	Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
41	14 B	578694.675	2119872.091	19°10'14.13271"	81°44'54.39429"
42	14 C	578925.330	2119757.263	19°10'10.36486"	81°45'02.27418"
43	AP-15	579174.692	2119633.122	19°10'00.29131"	81°45'10.79305"
44	15 A	579423.623	2119557.079	19°10'03.78247"	81°45'19.30417"
45	15 B	579664.887	2119483.379	19°10'01.35080"	81°45'27.55305"
46	15 C	579902.870	2119410.681	19°09'58.95209"	81°45'35.68969"
47	15 D	580187.174	2119323.832	19°09'56.08637"	81°45'45.41000"
48	AP-16	580453.775	2119242.392	19°09'53.39898"	81°45'54.52490"
49	16 A	580731.655	2119135.393	19°09'49.87839"	81°46'04.02206"
50	16 B	580987.912	2119036.722	19°09'46.63166"	81°46'12.78006"
51	16 C	581270.617	2118927.866	19°09'43.04969"	81°46'22.44187"
52	AP-17	581545.300	2118822.099	19°09'39.56923"	81°46'31.82940"
53	17 A	581735.803	2118659.526	19°09'34.25284"	81°46'38.32634"
54	17 B	581946.874	2118479.402	19°09'28.36240"	81°46'45.52457"
55	17 C	582149.499	2118306.484	19°09'22.70757"	81°46'52.43468"
56	AP-18	582327.053	2118154.963	19°09'17.75238"	81°46'58.48965"
57	18 A	582512.882	2117984.137	19°09'12.16793"	81°47'04.82484"
58	18 B	582711.882	2117801.204	19°09'06.18762"	81°47'11.60890"
59	18 C	582922.487	2117607.603	19°08'59.85849"	81°47'18.78845"
60	AP-19	583125.693	2117420.803	19°08'53.75162"	81°47'25.71563"
61	19 A	583428.613	2117473.968	19°08'55.43651"	81°47'36.09329"
62	19 B	583720.274	2117525.851	19°08'57.08118"	81°47'46.08540"
63	19 C	584019.208	2117579.027	19°08'58.76670"	81°47'56.32670"
64	AP-20	584307.746	2117630.354	19°09'00.39345"	81°48'06.21191"
65	20 A	584591.423	2117500.825	19°08'56.13720"	81°48'15.90225"
66	20 B	584887.698	2117365.544	19°08'51.69178"	81°48'26.02278"
67	20 C	585180.989	2117231.626	19°08'47.29100"	81°48'36.04122"
68	20 D	585478.689	2117095.694	19°08'42.82390"	81°48'46.21013"
69	20 E	585780.264	2116957.993	19°08'38.29850"	81°48'56.51122"
70	AP-21	586086.168	2116818.316	19°08'33.70799"	81°49'06.96001"
71	21 A	586315.396	2116678.140	19°08'29.11281"	81°49'14.78397"
72	21 B	586542.671	2116539.157	19°08'24.55670"	81°49'22.54115"
73	21 C	586745.101	2116415.369	19°08'20.49859"	81°49'29.45020"
74	AP-22	586941.857	2116294.844	19°08'16.54743"	81°49'36.16550"
75	22 A	587196.337	2116216.134	19°08'13.94764"	81°49'44.86332"
76	22 B	587453.793	2116136.503	19°08'11.31733"	81°49'53.66279"
77	AP-23	587737.435	2116048.774	19°08'08.41936"	81°50'03.35715"
78	23 A	587989.574	2115970.788	19°08'05.84315"	81°50'11.97469"
79	23 B	588257.310	2115887.978	19°08'03.10744"	81°50'21.12524"
80	23 C	588521.284	2115806.332	19°08'00.41006"	81°50'30.14712"

Sl.No	Pillar Id	Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
81	AP-24	588777.185	2115727.183	19°07'57.79506"	81°50'38.89300"
82	24 A	589077.743	2115676.124	19°07'56.08674"	81°50'49.17199"
83	24 B	589384.502	2115624.012	19°07'54.34301"	81°50'59.66295"
84	24 C	589691.796	2115571.809	19°07'52.59608"	81°51'10.17215"
85	AP-25	589958.006	2115526.585	19°07'51.08257"	81°51'19.27628"
86	25 A	590167.316	2115440.402	19°07'48.24553"	81°51'26.42592"
87	AP-26	590376.626	2115354.218	19°07'45.40841"	81°51'33.57550"
88	AP-27	590588.558	2115093.074	19°07'36.87906"	81°51'40.78524"
89	27 A	590866.893	2115063.557	19°07'35.87415"	81°51'50.30666"
90	27 B	591143.289	2115034.245	19°07'34.87610"	81°51'59.76172"
91	27 C	591423.102	2115004.571	19°07'33.86558"	81°52'09.33363"
92	27 D	591699.640	2114975.244	19°07'32.86675"	81°52'18.79350"
93	AP-28	591973.026	2114946.252	19°07'31.87917"	81°52'28.14546"
94	28 A	592204.616	2114761.591	19°07'25.83417"	81°52'36.04018"
95	28 B	592446.375	2114568.822	19°07'19.52365"	81°52'44.28138"
96	28 C	592685.692	2114378.000	19°07'13.27677"	81°52'52.43917"
97	28 D	592925.178	2114187.043	19°07'07.02537"	81°53'00.60256"
98	28 E	593158.359	2114001.114	19°07'00.93849"	81°53'08.55083"
99	AP-29	593377.189	2113826.627	19°06'55.22611"	81°53'16.00981"
100	29 A	593592.084	2113663.104	19°06'49.87099"	81°53'23.33587"
101	29 B	593795.713	2113508.154	19°06'44.79651"	81°53'30.27776"
102	29 C	594009.634	2113345.372	19°06'39.46552"	81°53'37.57034"
103	29 D	594210.513	2113192.514	19°06'34.45944"	81°53'44.41824"
104	29 E	594419.270	2113033.662	19°06'29.25698"	81°53'51.53454"
105	AP-30	594624.382	2112877.584	19°06'24.14529"	81°53'58.52647"
106	30 A	594883.141	2112724.255	19°06'19.11399"	81°54'07.35467"
107	30 B	595142.460	2112570.594	19°06'14.07168"	81°54'16.20183"
108	30 C	595382.095	2112428.598	19°06'09.41204"	81°54'24.37726"
109	AP-31	595604.475	2112296.825	19°06'05.08780"	81°54'31.96394"
110	31 A	595892.185	2112212.109	19°06'02.28323"	81°54'41.79448"
111	31 B	596181.659	2112126.873	19°05'59.46130"	81°54'51.68523"
112	31 C	596462.646	2112044.137	19°05'56.72199"	81°55'01.28588"
113	31 D	596769.739	2111953.713	19°05'53.72801"	81°55'11.77840"
114	AP-32	597052.115	2111870.568	19°05'50.97486"	81°55'21.42633"
115	32 A	597300.718	2111773.021	19°05'47.75888"	81°55'29.91584"
116	32 B	597547.238	2111676.291	19°05'44.56974"	81°55'38.33414"
117	32 C	597793.781	2111579.552	19°05'41.38021"	81°55'46.75311"
118	32 D	598032.073	2111486.051	19°05'38.29732"	81°55'54.89026"
119	AP-33	598293.120	2111383.621	19°05'34.91993"	81°56'03.80432"
120	33 A	598439.457	2111244.374	19°05'30.36468"	81°56'08.78633"



3వ వాసుడనాథికాఫీ
కామలాపురం రేవు వాసుడన

44

3వ వాసుడనాథికాఫీ
కామలాపురం రేవు వాసుడన

3వ వాసుడనాథికాఫీ
కామలాపురం రేవు వాసుడన

3వ వాసుడనాథికాఫీ
కామలాపురం రేవు వాసుడన

3వ వాసుడనాథికాఫీ
కామలాపురం రేవు వాసుడన

3వ వాసుడనాథికాఫీ
కామలాపురం రేవు వాసుడన

Sl.No	Pillar Id	Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
121	AP-34	598586.982	2111103.997	19°05'25.77241"	81°56'13.80870"
122	34 A	598900.309	2111159.288	19°05'27.51645"	81°56'24.54037"
123	34 B	599205.730	2111213.183	19°05'29.21631"	81°56'35.00131"
124	34 C	599515.643	2111267.871	19°05'30.94099"	81°56'45.61610"
125	AP-35	599827.357	2111322.877	19°05'32.67553"	81°56'56.29268"
126	35 A	600040.422	2111304.403	19°05'32.03696"	81°57'03.58002"
127	35 B	600367.599	2111276.035	19°05'31.05625"	81°57'14.77022"
128	35 C	600692.514	2111247.863	19°05'30.08213"	81°57'25.88301"
129	AP-36	601017.297	2111219.703	19°05'29.10822"	81°57'36.99123"
130	36 A	601321.616	2111193.317	19°05'28.19550"	81°57'47.39952"
131	36 B	601625.283	2111166.987	19°05'27.28458"	81°57'57.78548"
132	36 C	601927.432	2111140.789	19°05'26.37805"	81°58'08.11946"
133	AP-37	602233.270	2111114.271	19°05'25.46030"	81°58'18.57958"
134	37 A	602496.997	2111097.117	19°05'24.85461"	81°58'27.60049"
135	37 B	602758.121	2111080.133	19°05'24.25478"	81°58'36.53234"
136	37 C	603020.035	2111063.097	19°05'23.65302"	81°58'45.49119"
137	37 D	603285.214	2111045.849	19°05'23.04364"	81°58'54.56168"
138	AP-38	603542.317	2111029.126	19°05'22.45269"	81°59'03.35594"
139	38 A	603779.799	2110805.750	19°05'15.14271"	81°59'11.43896"
140	38 B	604015.410	2110584.135	19°05'07.89024"	81°59'19.45809"
141	38 C	604257.857	2110356.090	19°05'00.42727"	81°59'27.70967"
142	38 D	604487.176	2110140.391	19°04'53.36827"	81°59'35.51431"
143	38 E	604724.174	2109917.471	19°04'46.07284"	81°59'43.58006"
144	AP-39	604958.812	2109696.771	19°04'38.84996"	81°59'51.56530"

7.3 Annexure - 3: DGPS Surveyed co-ordinates of Forest Patches

Sl.No	Pillar Id	Patch No	Eastings (m)	Northing (m)	Latitude "N"	Longitude "E"
1	P 1	PATCH NO - 1	569764.158	2121669.671	19°11'13.78871"	81°39'48.87641"
2	P 2		569786.513	2121684.812	19°11'14.27852"	81°39'49.64383"
3	P 3		569807.778	2121653.416	19°11'13.25448"	81°39'50.36786"
4	P 4		569785.667	2121637.915	19°11'12.75292"	81°39'49.60875"
5	P 5	PATCH NO - 2	569923.577	2121434.301	19°11'06.11171"	81°39'54.30424"
6	P 6		569942.471	2121454.552	19°11'06.76817"	81°39'54.95383"
7	P 7		570231.883	2121027.258	19°10'52.83112"	81°40'04.80723"
8	P 8		570223.198	2120991.934	19°10'51.68299"	81°40'04.50525"
9	P 9	PATCH NO - 3	570504.452	2121053.741	19°10'53.65862"	81°40'14.14328"
10	P 10		570513.265	2121085.688	19°10'54.69687"	81°40'14.49244"
11	P 11		570778.306	2121182.264	19°10'57.80553"	81°40'23.53682"
12	P 12		570763.613	2121157.916	19°10'57.01527"	81°40'23.03052"
13	P 13	PATCH NO - 4	570758.491	2121146.308	19°10'56.63824"	81°40'22.85360"
14	P 14		572233.816	2121234.354	19°10'59.31544"	81°41'13.37967"
15	P 15		572234.328	2121261.745	19°11'00.20648"	81°41'13.40090"
16	P 16		572509.469	2121303.747	19°11'01.53759"	81°41'22.82730"
17	P 17	PATCH NO - 5	572834.663	2121226.775	19°10'58.99155"	81°41'33.95132"
18	P 18		572891.324	2121213.364	19°10'58.54791"	81°41'35.88952"
19	P 19		572960.709	2121196.941	19°10'58.00464"	81°41'38.26300"
20	P 20		572952.436	2121171.153	19°10'57.16677"	81°41'37.97622"
21	P 21	PATCH NO - 6	572886.811	2121186.686	19°10'57.68060"	81°41'35.73137"
22	P 22		572833.695	2121199.258	19°10'58.09647"	81°41'33.91445"
23	P 23		572508.357	2121276.265	19°11'00.64364"	81°41'22.78548"
24	P 24		573010.508	2121185.154	19°10'57.61473"	81°41'39.96647"
25	P 25	PATCH NO - 7	573044.484	2121177.112	19°10'57.34869"	81°41'41.12870"
26	P 26		573093.814	2121225.680	19°10'58.92237"	81°41'42.82436"
27	P 27		573145.793	2121276.857	19°11'00.58053"	81°41'44.61107"
28	P 28		573167.962	2121267.775	19°11'00.28218"	81°41'45.36888"
29	P 29	PATCH NO - 8	573173.666	2121266.409	19°11'00.23701"	81°41'45.56399"
30	P 30		573093.056	2121187.043	19°10'57.66550"	81°41'42.79311"
31	P 31		573088.670	2121191.795	19°10'57.82064"	81°41'42.64358"
32	P 32		573077.215	2121171.447	19°10'57.16016"	81°41'42.24860"
33	P 33	PATCH NO - 9	573074.507	2121169.639	19°10'57.10168"	81°41'42.15564"
34	P 34		573036.397	2121151.280	19°10'56.50937"	81°41'40.84827"
35	P 35		573000.790	2121159.708	19°10'56.78817"	81°41'39.63026"
36	P 36		573255.457	2121384.828	19°11'04.07887"	81°41'48.38069"
37	P 37	PATCH NO - 10	573335.496	2121463.632	19°11'06.63215"	81°41'51.13200"
38	P 38		573475.213	2121601.192	19°11'11.08914"	81°41'55.93476"
39	P 39		573610.478	2121734.369	19°11'15.40406"	81°42'00.58454"
40	P 40		573620.970	2121725.431	19°11'15.11191"	81°42'00.94257"
41	P 41	PATCH NO - 11	573614.154	2121700.098	19°11'14.28866"	81°42'00.70569"
42	P 42		573561.004	2121647.769	19°11'12.59319"	81°41'58.87864"
43	P 43		573555.845	2121645.626	19°11'12.52415"	81°41'58.70170"
44	P 44		573536.478	2121630.862	19°11'12.04637"	81°41'58.03653"

Sl.No	Pillar Id	Patch No	Eastings (m)	Northing (m)	Latitude "N"	Longitude "E"
45	P 45	PATCH NO - 6	573534.051	2121621.232	19°11'11.73339"	81°41'57.95212"
46	P 46		573495.493	2121583.269	19°11'10.50339"	81°41'56.62667"
47	P 47		573373.868	2121463.521	19°11'06.62354"	81°41'52.44581"
48	P 48		573252.106	2121343.638	19°11'02.73929"	81°41'48.26030"
49	P 49	PATCH NO - 7	575798.832	2122162.738	19°11'29.04974"	81°43'15.57491"
50	P 50		575858.788	2122155.409	19°11'28.80325"	81°43'17.62684"
51	P 51		575900.141	2122123.153	19°11'27.74832"	81°43'19.03824"
52	P 52		575782.186	2122137.572	19°11'28.23326"	81°43'15.00139"
53	P 53	PATCH NO - 7	575788.670	2122149.790	19°11'28.62989"	81°43'15.22512"
54	P 54		575918.377	2122148.125	19°11'28.55826"	81°43'19.66618"
55	P 55		576122.252	2122123.205	19°11'27.72001"	81°43'26.64349"
56	P 56		576095.215	2122099.309	19°11'26.94626"	81°43'25.71433"
57	P 57	PATCH NO - 8	575957.350	2122116.161	19°11'27.51311"	81°43'20.99613"
58	P 58		575938.305	2122132.870	19°11'28.05928"	81°43'20.34637"
59	P 59		576324.698	2122072.622	19°11'26.04703"	81°43'33.56820"
60	P 60		576384.591	2122035.910	19°11'24.84458"	81°43'35.61374"
61	P 61	PATCH NO - 9	576371.806	2122020.462	19°11'24.34376"	81°43'35.17376"
62	P 62		576365.619	2122015.870	19°11'24.19522"	81°43'34.96127"
63	P 63		576324.618	2122041.002	19°11'25.01838"	81°43'33.56096"
64	P 64		576810.322	2121737.774	19°11'15.08762"	81°43'50.14824"
65	P 65	PATCH NO - 10	576852.561	2121701.306	19°11'13.89547"	81°43'51.58929"
66	P 66		576835.103	2121706.174	19°11'14.05622"	81°43'50.99222"
67	P 67		576806.740	2121734.749	19°11'14.98970"	81°43'50.02516"
68	P 68		577068.982	2121514.455	19°11'07.78721"	81°43'58.97264"
69	P 69	PATCH NO - 11	577101.851	2121486.078	19°11'06.85954"	81°44'00.09394"
70	P 70		577089.550	2121461.027	19°11'06.04627"	81°43'59.66916"
71	P 71		577059.429	2121487.032	19°11'06.89641"	81°43'58.64158"
72	P 72		577061.884	2121487.098	19°11'06.89821"	81°43'58.72566"
73	P 73	PATCH NO - 12	577432.328	2120901.563	19°10'47.79859"	81°44'11.32480"
74	P 74		577431.991	2120892.879	19°10'47.51613"	81°44'11.31201"
75	P 75		577405.882	2120916.374	19°10'48.28408"	81°44'10.42148"
76	P 76		577406.191	2120924.330	19°10'48.54286"	81°44'10.43319"
77	P 77	PATCH NO - 13	578914.652	2119747.499	19°10'10.04868"	81°45'01.90719"
78	P 78		578925.473	2119748.094	19°10'10.06654"	81°45'02.27772"
79	P 79		578924.682	2119742.506	19°10'09.88484"	81°45'02.24983"
80	P 80		582290.457	2118168.445	19°09'18.19633"	81°46'57.23894"
81	P 81	PATCH NO - 14	582290.833	2118169.526	19°09'18.23144"	81°46'57.25198"
82	P 82		582354.136	2118138.975	19°09'17.22831"	81°46'59.41434"
83	P 83		582343.153	2118121.825	19°09'16.67199"	81°46'59.03572"
84	P 84		583516.777	2117501.116	19°08'56.30666"	81°47'39.11550"
85	P 85	PATCH NO - 15	583558.306	2117510.751	19°08'56.61394"	81°47'40.53860"
86	P 86		583773.427	2117549.018	19°08'57.82697"	81°47'47.90852"
87	P 87		583760.426	2117519.281	19°08'56.86150"	81°47'47.45882"
88	P 88		583519.846	2117476.485	19°08'55.50491"	81°47'39.21672"

SL.No	Pillar Id	Patch No	Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
89	P 89	PATCH NO - 16	583780.618	2117550.297	19°08'57.86751"	81°47'48.15486"
90	P 90		583822.319	2117557.715	19°08'58.10264"	81°47'49.58353"
91	P 91		583821.685	2117548.864	19°08'57.81482"	81°47'49.56044"
92	P 92	PATCH NO - 17	587836.084	2116032.393	19°08'07.87114"	81°50'06.73107"
93	P 93		587888.235	2116016.263	19°08'07.33829"	81°50'08.51346"
94	P 94		587882.040	2116003.159	19°08'06.91297"	81°50'08.29927"
95	P 95		587870.610	2116006.123	19°08'07.01115"	81°50'07.90852"
96	P 96		587867.435	2116001.254	19°08'06.85326"	81°50'07.79905"
97	P 97		587866.013	2115994.874	19°08'06.64593"	81°50'07.74935"
98	P 98		587825.258	2116007.480	19°08'07.06235"	81°50'06.35643"
99	P 99	PATCH NO - 18	589042.070	2115695.878	19°07'56.73498"	81°50'47.95423"
100	P 100		589097.308	2115686.494	19°07'56.42100"	81°50'49.84337"
101	P 101		589091.404	2115660.110	19°07'55.56362"	81°50'49.63691"
102	P 102		589031.741	2115670.246	19°07'55.90275"	81°50'47.59646"
103	P 103		589036.924	2115685.191	19°07'56.38812"	81°50'47.77633"
104	P 104		589255.542	2115659.613	19°07'55.52156"	81°50'55.25487"
105	P 105		589275.256	2115656.264	19°07'55.40949"	81°50'55.92910"
106	P 106	PATCH NO - 19	589280.190	2115628.039	19°07'54.49051"	81°50'56.09328"
107	P 107		589247.343	2115633.619	19°07'54.67723"	81°50'54.96993"
108	P 108		589287.067	2115654.258	19°07'55.34235"	81°50'56.33303"
109	P 109	PATCH NO - 20	589286.108	2115641.354	19°07'54.92273"	81°50'56.29804"
110	P 110		589350.852	2115624.892	19°07'54.37696"	81°50'58.11136"
111	P 111		589359.544	2115641.945	19°07'54.93036"	81°50'58.81169"
112	P 112		589471.411	2115622.941	19°07'54.29443"	81°51'02.63747"
113	P 113		589459.024	2115597.659	19°07'53.47391"	81°51'02.20927"
114	P 114		589287.662	2115626.770	19°07'54.44803"	81°50'56.34883"
115	P 115		590008.809	2115520.267	19°07'50.86893"	81°51'21.01406"
116	P 116	PATCH NO - 21	590017.230	2115516.800	19°07'50.75480"	81°51'21.30169"
117	P 117		590009.560	2115517.048	19°07'50.76409"	81°51'21.03923"
118	P 118		589982.201	2115502.024	19°07'50.27969"	81°51'20.10028"
119	P 119	PATCH NO - 22	589989.664	2115505.194	19°07'50.38165"	81°51'20.35624"
120	P 120		590016.634	2115506.479	19°07'50.41916"	81°51'21.27957"
121	P 121		590017.581	2115487.456	19°07'49.80014"	81°51'21.30880"
122	P 122		590045.540	2115475.944	19°07'49.42118"	81°51'22.26382"
123	P 123	PATCH NO - 23	590069.277	2115475.878	19°07'49.41527"	81°51'23.07627"
124	P 124		590070.865	2115468.576	19°07'49.17746"	81°51'23.12938"
125	P 125		590108.806	2115470.798	19°07'49.24371"	81°51'24.42838"
126	P 126		590117.214	2115446.432	19°07'48.44969"	81°51'24.71208"
127	P 127		590239.160	2115396.220	19°07'46.79677"	81°51'28.87751"
128	P 128	PATCH NO - 24	590246.429	2115413.291	19°07'47.35095"	81°51'29.12918"
129	P 129		590254.499	2115413.556	19°07'47.35827"	81°51'29.40543"
130	P 130		590270.639	2115387.626	19°07'46.51217"	81°51'29.95348"
131	P 131		590268.932	2115383.962	19°07'46.39322"	81°51'29.89447"
132	P 132		590305.642	2115398.045	19°07'46.84553"	81°51'31.15330"

SL.No	Pillar Id	Patch No	Eastings (m)	Northing (m)	Latitude "N"	Longitude "E"
133	P 133	PATCH NO - 25	590384.943	2115365.393	19°07'45.77062"	81°51'33.86205"
134	P 134		590431.901	2115307.531	19°07'43.88078"	81°51'35.45953"
135	P 135		590399.121	2115305.077	19°07'43.80617"	81°51'34.33715"
136	P 136		590368.309	2115343.043	19°07'45.04620"	81°51'33.28894"
137	P 137	PATCH NO - 25	590296.932	2115372.433	19°07'46.01369"	81°51'30.85088"
138	P 138		590472.469	2115257.543	19°07'42.24808"	81°51'36.83963"
139	P 139		590573.361	2115133.223	19°07'38.18760"	81°51'40.27188"
140	P 140		590558.326	2115108.903	19°07'37.39884"	81°51'39.75317"
141	P 141	PATCH NO - 26	590437.935	2115257.249	19°07'42.24405"	81°51'35.65760"
142	P 142		590577.682	2115127.898	19°07'38.01370"	81°51'40.41888"
143	P 143		590595.456	2115105.998	19°07'37.29839"	81°51'41.02351"
144	P 144		590618.329	2115103.529	19°07'37.21442"	81°51'41.80597"
145	P 145	PATCH NO - 27	590613.993	2115089.145	19°07'36.74719"	81°51'41.65513"
146	P 146		590571.131	2115110.652	19°07'37.45369"	81°51'40.19176"
147	P 147		590567.562	2115097.522	19°07'37.02713"	81°51'40.06737"
148	P 148		590581.660	2115080.150	19°07'36.45973"	81°51'40.54697"
149	P 149	PATCH NO - 28	590609.474	2115077.241	19°07'36.36063"	81°51'41.49847"
150	P 150		590756.802	2115088.807	19°07'36.71328"	81°51'46.54292"
151	P 151		590789.452	2115085.345	19°07'36.59540"	81°51'47.65985"
152	P 152		590848.639	2115079.068	19°07'36.38170"	81°51'49.68454"
153	P 153	PATCH NO - 28	590843.373	2115052.475	19°07'35.51743"	81°51'49.49981"
154	P 154		590781.513	2115059.035	19°07'35.74079"	81°51'47.38365"
155	P 155		590748.116	2115062.577	19°07'35.86137"	81°51'46.24119"
156	P 156		590877.934	2115075.961	19°07'36.27592"	81°51'50.68668"
157	P 157	PATCH NO - 29	590940.307	2115069.347	19°07'36.05071"	81°51'52.82034"
158	P 158		591112.750	2115051.059	19°07'35.42802"	81°51'58.71933"
159	P 159		591103.375	2115024.902	19°07'34.57860"	81°51'58.39403"
160	P 160		590936.714	2115042.576	19°07'35.18040"	81°51'52.69285"
161	P 161	PATCH NO - 29	590873.842	2115049.244	19°07'35.40742"	81°51'50.54211"
162	P 162		591130.871	2115021.986	19°07'34.47931"	81°51'59.33463"
163	P 163		591134.206	2115027.405	19°07'34.65507"	81°51'59.44969"
164	P 164		591146.475	2115020.331	19°07'34.42296"	81°51'59.86842"
165	P 165	PATCH NO - 30	591514.812	2114981.269	19°07'33.09271"	81°52'12.46855"
166	P 166		591518.492	2114990.475	19°07'33.39159"	81°52'12.59608"
167	P 167		591539.813	2114980.601	19°07'33.06690"	81°52'13.32413"
168	P 168		591540.880	2114978.505	19°07'32.99856"	81°52'13.36029"
169	P 169	PATCH NO - 31	591559.352	2115000.153	19°07'33.69982"	81°52'13.99622"
170	P 170		591559.598	2115003.671	19°07'33.81422"	81°52'14.00523"
171	P 171		591588.559	2115000.600	19°07'33.70962"	81°52'14.99593"
172	P 172		591590.851	2114993.592	19°07'33.48125"	81°52'15.07319"
173	P 173	PATCH NO - 32	591619.298	2114984.089	19°07'33.16751"	81°52'16.04518"
174	P 174		591617.302	2114974.154	19°07'32.84463"	81°52'15.97518"
175	P 175		591605.263	2114978.072	19°07'32.97404"	81°52'15.56380"
176	P 176		591585.665	2114990.214	19°07'33.37222"	81°52'14.89510"

Sl.No	Pillar Id	Patch No	Eastng (m)	Northing (m)	Latitude "N"	Longitude "E"
177	P 177	PATCH NO - 33	594187.779	2113226.778	19°06'35.57786"	81°53'43.64621"
178	P 178		594398.111	2113066.727	19°06'30.33615"	81°53'50.81625"
179	P 179		594400.807	2113060.614	19°06'30.13683"	81°53'50.90743"
180	P 180		594400.225	2113059.026	19°06'30.08528"	81°53'50.88724"
181	P 181		594410.332	2113037.436	19°06'29.38124"	81°53'51.22933"
182	P 182		594425.643	2113011.849	19°06'28.54631"	81°53'51.74880"
183	P 183		594168.116	2113207.812	19°06'34.96415"	81°53'42.96999"
184	P 184		594170.618	2113216.437	19°06'35.24431"	81°53'43.05712"
185	P 185		594478.898	2113005.253	19°06'28.32283"	81°53'53.57016"
186	P 186		594631.935	2112888.800	19°06'24.50891"	81°53'58.78695"
187	P 187		594710.230	2112842.406	19°06'22.98656"	81°54'01.45817"
188	P 188		594669.629	2112856.865	19°06'23.46372"	81°54'00.07127"
189	P 189		594646.239	2112865.332	19°06'23.74306"	81°53'59.27233"
190	P 190		594606.843	2112889.700	19°06'24.54238"	81°53'57.92840"
191	P 191		594562.858	2112932.170	19°06'25.93133"	81°53'56.43061"
192	P 192		594540.263	2112950.275	19°06'26.52407"	81°53'55.66054"
193	P 193		594501.158	2112977.077	19°06'27.40252"	81°53'54.32698"
194	P 194		594485.097	2112989.142	19°06'27.79769"	81°53'53.77949"
195	P 195		594480.150	2112994.645	19°06'27.97755"	81°53'53.61113"
196	P 196		594719.386	2112836.981	19°06'22.80854"	81°54'01.77055"
197	P 197	594734.235	2112828.182	19°06'22.51981"	81°54'02.27717"	
198	P 198	594906.261	2112726.247	19°06'19.17491"	81°54'08.14625"	
199	P 199	594904.609	2112725.217	19°06'19.14170"	81°54'08.08951"	
200	P 200	594889.210	2112733.525	19°06'19.41455"	81°54'07.56401"	
201	P 201	594868.178	2112741.200	19°06'19.66775"	81°54'06.84560"	
202	P 202	594856.536	2112734.487	19°06'19.45130"	81°54'06.44602"	
203	P 203	594850.348	2112727.995	19°06'19.24115"	81°54'06.23309"	
204	P 204	594813.776	2112749.665	19°06'19.95224"	81°54'04.98538"	
205	P 205	594799.249	2112768.018	19°06'20.55171"	81°54'04.49145"	
206	P 206	594790.972	2112778.770	19°06'20.90289"	81°54'04.21012"	
207	P 207	594784.474	2112772.696	19°06'20.70636"	81°54'03.98667"	
208	P 208	594780.727	2112769.249	19°06'20.59485"	81°54'03.85783"	
209	P 209	594774.395	2112773.001	19°06'20.71797"	81°54'03.64180"	
210	P 210	594769.319	2112785.798	19°06'21.13513"	81°54'03.47034"	
211	P 211	594758.376	2112807.240	19°06'21.83449"	81°54'03.09962"	
212	P 212	594759.138	2112807.853	19°06'21.85433"	81°54'03.12580"	
213	P 213	594757.868	2112809.060	19°06'21.89379"	81°54'03.08255"	
214	P 214	594755.328	2112807.134	19°06'21.83155"	81°54'02.99529"	
215	P 215	594749.803	2112804.424	19°06'21.74434"	81°54'02.80575"	
216	P 216	594742.797	2112813.674	19°06'22.04643"	81°54'02.56762"	
217	P 217	594733.727	2112823.918	19°06'22.38120"	81°54'02.25902"	
218	P 218	594731.277	2112826.967	19°06'22.48078"	81°54'02.17572"	
219	P 219	594723.657	2112823.369	19°06'22.36500"	81°54'01.91431"	
220	P 220	594717.757	2112826.253	19°06'22.45981"	81°54'01.71291"	
PATCH NO - 34						

Sl.No	Pillar Id	Patch No	Eastng (m)	Northing (m)	Latitude "N"	Longitude "E"
221	P 221	PATCH NO - 34	594705.718	2112821.569	19°06'22.30947"	81°54'01.30010"
222	P 222		594698.772	2112817.811	19°06'22.18838"	81°54'01.06173"
223	P 223		594616.828	2112866.368	19°06'23.78168"	81°53'58.26600"
224	P 224		594525.440	2112935.909	19°06'26.05921"	81°53'55.15076"
225	P 225		594535.501	2112946.597	19°06'26.40523"	81°53'55.49692"
226	P 226	PATCH NO - 35	594538.067	2112947.893	19°06'26.44697"	81°53'55.58497"
227	P 227		595312.781	2112485.362	19°06'11.27031"	81°54'22.01534"
228	P 228		595398.765	2112434.412	19°06'09.59837"	81°54'24.94876"
229	P 229		595381.951	2112433.562	19°06'09.57357"	81°54'24.37323"
230	P 230		595381.313	2112426.725	19°06'09.35124"	81°54'24.35017"
231	P 231	PATCH NO - 36	595381.501	2112413.257	19°06'08.91310"	81°54'24.35422"
232	P 232		595299.042	2112462.119	19°06'10.51651"	81°54'21.54104"
233	P 233		595927.142	2112215.889	19°06'02.40027"	81°54'42.99143"
234	P 234		595944.410	2112210.804	19°06'02.23193"	81°54'43.58144"
235	P 235		595932.406	2112203.990	19°06'02.01228"	81°54'43.16945"
236	P 236	PATCH NO - 37	595911.753	2112192.274	19°06'01.63466"	81°54'42.46058"
237	P 237		595901.793	2112195.207	19°06'01.73175"	81°54'42.12029"
238	P 238		595910.234	2112200.312	19°06'01.89640"	81°54'42.41005"
239	P 239		596411.512	2112073.266	19°05'57.67831"	81°54'59.54126"
240	P 240		596430.130	2112067.784	19°05'57.49680"	81°55'00.17742"
241	P 241	PATCH NO - 38	596433.152	2112040.218	19°05'56.59952"	81°55'00.27588"
242	P 242		596498.954	2112027.994	19°05'56.19066"	81°55'02.52545"
243	P 243		596510.146	2112033.947	19°05'56.38241"	81°55'02.90950"
244	P 244		596511.892	2112033.868	19°05'56.37953"	81°55'02.96925"
245	P 245		596520.268	2112041.243	19°05'56.61803"	81°55'03.25719"
246	P 246	PATCH NO - 39	596536.458	2112036.476	19°05'56.46019"	81°55'03.81035"
247	P 247		596535.149	2112028.781	19°05'56.21009"	81°55'03.76419"
248	P 248		596507.929	2112016.730	19°05'55.82270"	81°55'02.83057"
249	P 249		596406.310	2112046.652	19°05'56.81340"	81°54'59.35850"
250	P 250		598076.529	2111483.109	19°05'38.19393"	81°55'56.41096"
251	P 251	PATCH NO - 38	598136.864	2111459.435	19°05'37.41333"	81°55'58.47123"
252	P 252		598130.403	2111444.267	19°05'36.92101"	81°55'58.24737"
253	P 253		598125.288	2111434.973	19°05'36.61957"	81°55'58.07065"
254	P 254		598107.551	2111441.933	19°05'36.84904"	81°55'57.46498"
255	P 255		598113.211	2111451.726	19°05'37.16664"	81°55'57.66047"
256	P 256	PATCH NO - 38	598102.981	2111453.575	19°05'37.22857"	81°55'57.31071"
257	P 257		598069.625	2111456.814	19°05'37.33971"	81°55'56.16993"
258	P 258		598037.150	2111469.557	19°05'37.75987"	81°55'55.06097"
259	P 259		598038.529	2111481.278	19°05'38.14093"	81°55'55.11030"
260	P 260		598041.572	2111485.445	19°05'38.27597"	81°55'55.21517"
261	P 261	PATCH NO - 39	598055.634	2111484.655	19°05'38.24783"	81°55'55.69622"
262	P 262		598360.102	2111338.520	19°05'33.44111"	81°56'06.08811"
263	P 263		598375.602	2111323.770	19°05'32.95861"	81°56'06.61581"
264	P 264		598358.603	2111325.014	19°05'33.00200"	81°56'06.03436"

Sl.No	Pillar Id	Patch No	Easting (m)	Northing (m)	Latitude "N"	Longitude "E"
265	P 265	PATCH NO - 40	598416.686	2111284.677	19°05'31.67973"	81°56'08.01450"
266	P 266		598482.021	2111222.507	19°05'29.64592"	81°56'10.23882"
267	P 267		598481.298	2111219.175	19°05'29.53764"	81°56'10.21348"
268	P 268		598440.639	2111224.614	19°05'29.72166"	81°56'08.82316"
269	P 269	PATCH NO - 41	598415.426	2111248.606	19°05'30.50651"	81°56'07.96480"
270	P 270		598500.694	2111204.739	19°05'29.06467"	81°56'10.87452"
271	P 271		598560.858	2111147.490	19°05'27.19182"	81°56'12.92277"
272	P 272		598577.866	2111131.306	19°05'26.66239"	81°56'13.50179"
273	P 273		598573.010	2111117.292	19°05'26.20733"	81°56'13.33306"
274	P 274		598569.520	2111101.978	19°05'25.70976"	81°56'13.21082"
275	P 275		598530.658	2111138.956	19°05'26.91946"	81°56'11.88782"
276	P 276		598536.241	2111150.758	19°05'27.30242"	81°56'12.08103"
277	P 277		598514.308	2111154.515	19°05'27.42844"	81°56'11.33118"
278	P 278		598497.448	2111170.558	19°05'27.95327"	81°56'10.75719"
279	P 279		598958.153	2111183.203	19°05'28.28435"	81°56'26.52409"
280	P 280		598977.959	2111186.699	19°05'28.39459"	81°56'27.20247"
281	P 281	PATCH NO - 42	599154.481	2111217.848	19°05'29.37704"	81°56'33.24848"
282	P 282		599151.745	2111203.676	19°05'28.91648"	81°56'33.15224"
283	P 283		599147.970	2111189.282	19°05'28.44889"	81°56'33.02043"
284	P 284		599091.631	2111179.340	19°05'28.13534"	81°56'31.09078"
285	P 285		599071.380	2111181.890	19°05'28.22184"	81°56'30.39828"
286	P 286		598978.563	2111182.291	19°05'28.25110"	81°56'27.22233"
287	P 287		598962.926	2111182.172	19°05'28.24996"	81°56'26.68724"
288	P 288		598958.356	2111182.638	19°05'28.26592"	81°56'26.53092"
289	P 289		599243.303	2111230.082	19°05'29.75946"	81°56'36.29008"
290	P 290		599268.861	2111233.604	19°05'29.86956"	81°56'37.16531"
291	P 291		599302.556	2111237.295	19°05'29.98372"	81°56'38.31897"
292	P 292		599325.376	2111241.105	19°05'30.10367"	81°56'39.10055"
293	P 293	PATCH NO - 43	599347.879	2111243.129	19°05'30.16556"	81°56'39.87093"
294	P 294		599350.261	2111247.058	19°05'30.29296"	81°56'39.95314"
295	P 295		599353.078	2111248.249	19°05'30.33120"	81°56'40.04978"
296	P 296		599380.656	2111249.363	19°05'30.36262"	81°56'40.99365"
297	P 297		599413.483	2111251.384	19°05'30.42260"	81°56'42.11731"
298	P 298		599425.686	2111250.226	19°05'30.38277"	81°56'42.53467"
299	P 299		599420.280	2111242.946	19°05'30.14689"	81°56'42.34832"
300	P 300		599418.838	2111237.080	19°05'29.95633"	81°56'42.29792"
301	P 301		599351.099	2111225.127	19°05'29.57936"	81°56'39.97777"
302	P 302		599350.708	2111231.861	19°05'29.79850"	81°56'39.96565"
303	P 303		599316.192	2111226.453	19°05'29.62864"	81°56'38.78356"
304	P 304		599286.216	2111224.876	19°05'29.58258"	81°56'37.75754"
305	P 305	PATCH NO - 44	599247.788	2111222.331	19°05'29.50652"	81°56'36.44212"
306	P 306		599244.009	2111223.047	19°05'29.53047"	81°56'36.31295"
307	P 307		600789.813	2111252.978	19°05'30.23119"	81°57'29.21336"
308	P 308		601622.543	2111180.775	19°05'27.73361"	81°57'57.69433"



38 वास्तुशास्त्रिकी
वास्तुशास्त्र वास्तुशास्त्र

44

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Sl.No	Pillar Id	Patch No	Eastings (m)	Northing (m)	Latitude "N"	Longitude "E"
309	P 309	PATCH NO - 44	601621.919	2111153.728	19°05'26.85386"	81°57'57.66786"
310	P 310		600789.524	2111225.901	19°05'29.35043"	81°57'29.19842"
311	P 311		602405.947	2111116.568	19°05'25.50383"	81°58'24.48866"
312	P 312		602437.262	2111114.531	19°05'25.43190"	81°58'25.55979"
313	P 313		602430.974	2111105.438	19°05'25.13721"	81°58'25.34289"
314	P 314		602404.662	2111108.065	19°05'25.22745"	81°58'24.44307"
315	P 315		602588.052	2111104.723	19°05'25.08555"	81°58'30.711764"
316	P 316		602701.791	2111097.325	19°05'24.82428"	81°58'34.60813"
317	P 317		602724.430	2111082.256	19°05'24.32995"	81°58'35.37992"
318	P 318		602729.178	2111095.544	19°05'24.76137"	81°58'35.54490"
319	P 319		603072.407	2111073.219	19°05'23.97277"	81°58'47.28516"
320	P 320		603071.853	2111056.580	19°05'23.43160"	81°58'47.26303"
321	P 321		603026.365	2111049.157	19°05'23.19839"	81°58'45.70512"
322	P 322		602576.298	2111078.431	19°05'24.23237"	81°58'30.31042"
323	P 323		603100.595	2111071.386	19°05'23.90800"	81°58'48.24934"
324	P 324		603110.758	2111070.724	19°05'23.88464"	81°58'48.59699"
325	P 325		603111.466	2111043.621	19°05'23.00283"	81°58'48.61601"
326	P 326		603092.163	2111044.877	19°05'23.04719"	81°58'47.95575"
327	P 327		603091.196	2111059.330	19°05'23.51752"	81°58'47.92542"
328	P 328		603100.904	2111061.104	19°05'23.57349"	81°58'48.25797"
329	P 329		603201.684	2111064.810	19°05'23.67569"	81°58'51.70712"
330	P 330		603236.776	2111062.528	19°05'23.59505"	81°58'52.90744"
331	P 331		603235.508	2111035.553	19°05'22.71178"	81°58'52.85890"
332	P 332		603203.083	2111037.662	19°05'22.79230"	81°58'51.74978"

7.4 Annexure - 5: DGPS Surveyed Map of 132KV Transmission Line showing proposed forest diversion area on SOI Toposheet.

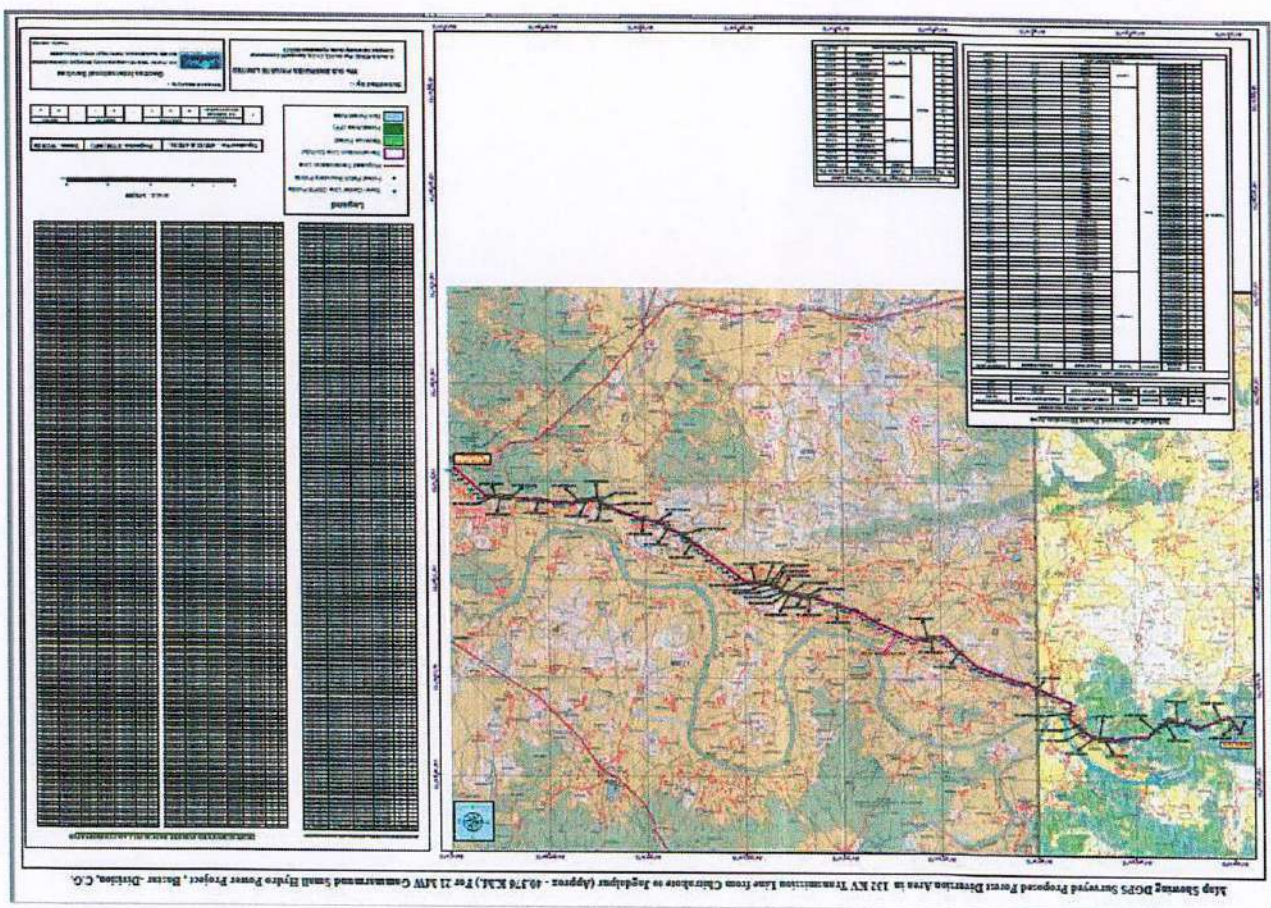


Fig:5- Map Showing 132KV Transmission Line Layer on SOI Toposheet in 1:50,000 scale.

Not to Scale





This map displays the proposed forest diversion area for a 132 KV transmission line. The map includes a legend, a scale bar, and a north arrow. The legend identifies various features: Right of Way (ROW), Proposed Transmission Line, Diversion Area, and Forest Diversion Area. The map shows the transmission line route and the associated diversion areas. The map is titled "Map Showing DCP's Surveyed Proposed Forest Diversion Area in 132 KV Transmission Line from Chitrkote to Jagdalpur (Appendix - 40.376 X.M.) For 21 MW Command Area Small Hydro Power Project, Bhat - Dahanu, C.O."

Not to Scale

7.6 Annexure – 7: DGPS Surveyed Map of 132KV Transmission Line showing proposed forest diversion area & Alternative Route on SOI Toposheet.

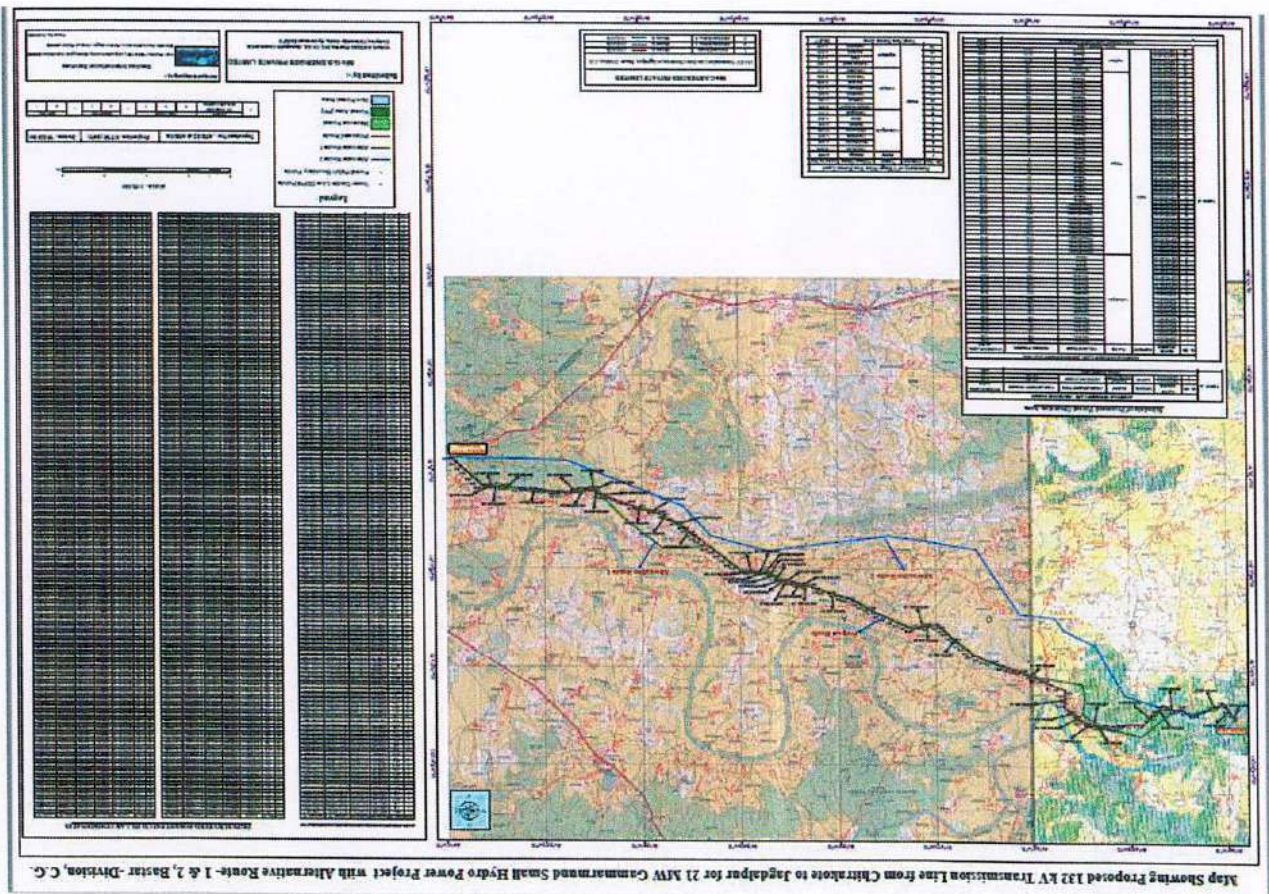


Fig:7- Map Showing 132KV Transmission Line Layer with Alternative Route on SOI Toposheet in 1:50,000 scale.

Not to scale.

