

Preparation of the Geo-referenced map through
DGPS survey of Forest land in Raigarh Forest Division
over an area of 59.179 Ha. For 765kV D/C Jharsuguda
(Sundargarh)-Raipur Transmission Line of Odisha
Generation Phase-II Transmission Limited (OGPTL)
Chhattisgarh



Consultant
SPARC Pvt. Ltd., Bhubaneswar



Preparation of the Geo-referenced map through
DGPS survey of Forest land in Raigarh Forest Division
over an area of 59.179 Ha. For 765kV D/C Jharsuguda
(Sundargarh)-Raipur Transmission Line of Odisha
Generation Phase-II Transmission Limited (OGPTL)
Chhattisgarh



August, 2016

Prepared for:



**Odisha Generation Phase-II Transmission
Limited,**

Project office: House No :B-1/03,Phase-II
Surya Vihar ,Junwani,Bhilai,Pin-490020(C.G)
www.sterlitepower.com

Prepared by:

Spatial Planning & Analysis Research Centre Pvt. Ltd.
E-11, Infocity, Chandaka Industrial Estate,
Bhubaneswar – 751 024, www.sparcindia.com

1. INTRODUCTION AND BACKGROUND INFORMATION

The Government of India, Central Electricity Authority vide Gazette Notification dated February 06, 2015 has Notified PFC Consulting Limited to be the Bid Process Coordinator (BPC) for the purpose of selection of Bidder as Transmission Service Provider (TSP) to establish Transmission System for "Common Transmission System for Phase-II Generation Projects in Odisha and Immediate Evacuation System for OPGC (1320 MW) Project in Odisha" through tariff based competitive bidding process.

Sterlite Grid 3 Limited had been participated in the international competitive bidding process for Transmission Scheme for "Common Transmission System for Phase-II Generation Projects in Odisha and Immediate Evacuation System for OPGC (1320 MW) Project in Odisha "and Power Finance Corporation Consulting Limited (PFCCCL), Government of India has accepted our Bid and SGL 3 has been declared as the successful bidder.

Special Purpose Vehicle (SPV) constructed for this project is "Odisha Generation Phase II Transmission Ltd".

We take this opportunity to introduce our self as "Odisha Generation Phase-II Transmission Limited", (100% subsidiary of Sterlite Grid 3 Limited) which have been awarded with Transmission Line Projects on Build, Own, Operate & Maintenance (BOOM) basis by the PFC Consulting Limited vide their letter No- 03/ITP-19/15-16/OGPTL/ RFP dated 06th Jan 2016 (Copy Enclosed as Annexure-1) for Construction and subsequent Maintenance of the 765kV D/C Jharsuguda (Sundargarh)-Raipur & 400kV OPGC-Jharsuguda (Sundargarh) Transmission Line.

Ministry of Power, Govt. of India, has already granted the approval of Government under Section 68 (1) of Indian Electricity Act, 2003 vide letter No- 68/ER/2015/1301 dated 03-06-2015 for construction of the said line (Copy Enclosed as Annexure-2). The project is part of the National Grid Development and is designed to carry common Transmission System for Phase II Generation Projects in Odisha and Immediate Evacuation System for OPGC (1320 MW) Project in Odisha and Connecting to Raipur Pool in Chattisgarh.

The details of lines is mentioned here under: -

1. 765kV D/C Jharsuguda (Sundargarh)- Raipur Transmission Line: 304 K.M (Approx.)

Above said line passes through Durg, Bematara, Baloda Bazar, Bilaspur, Janjgir Champa & Raigarh districts of Chattisgarh State (Total Line length is 255 K.M Approx) and Sundargarh district of Odisha State (Total Line length is 49 K.M Approx).

As this transmission line is passing through different notified Forests/ Revenue Forest of Chhattisgarh State, We have initiated the preparation of Geo-Referenced Digital data through DGPS Survey work for the approval from FMIS through SPARC Pvt Ltd (Empanelled vendor for DGPS survey work in Chhattisgarh) for the forest land proposed to be diverted under Forest (Conservation) Act 1980 as per MoEF circular dated 8th July 2011 & 28th January 2014 (Copy Enclosed as Annexure-3).where it is directed by MoEF that **“All applications seeking diversion of forest land for non-forest purpose under Forest Conservation Act, 1980 must be accompanied with Geo-referenced shape file (both soft copy and hard copy) of the forest land proposed for diversion prepared using Differential GPS (DGPS). It was also informed that the application should also contain a digital map along with a hard copy duly authenticated by competent authority in the State Government of the forest land proposed for diversion, prepared by using Total Station or differential GPS.**

In addition to that, Principal Chief Conservator of Forest, Forest Department Chattisgarh vide their letter no. PCCF/115-30/02 Raipur dated 11th Nov 2014 (Copy Enclosed as Annexure-4) has also provided details guideline, information, procedure & competent authority details pertaining to DGPS Survey work (Field work & office related approval work) in Chhattisgarh State.

As per Online Submission and Monitoring of Forests Clearances Proposals of MoEF & CC, the following maps and files are required to be uploaded

- Survey of India Toposheet in 1:50,000 scale indicating location of the forest land proposed to be diverted
- Scanned copy of the Geo-Referenced map of the forest land proposed to be diverted by using DGPS or Total Station
- KML file of the geo-reference forest land proposed to be diverted

In order to comply with the conditions of DGPS survey guideline for PCCF given to OGPTL is enclosed at (Copy Enclosed as Annexure-5). To meet these requirements, OGPTL is entrusted this DGPS survey work to M/s SPARC Pvt. Ltd., Bhubaneswar, a Government recognized reputed firm specializing in such assignments. Credential of SPARC is enclosed at Appendix-1

2. SCOPE

The envisaged scopes of the assignments are described below

- Computation of Geo-referenced forest land through digitization and comparison with area indicated in the land schedule.
 - Establishment of Base Station by taking DGPS long Observation and fixing the coordinate by processing with IGS (International GNSS Services) data.
 - DGPS observation at the change point of the forest land
- Processing of DGPS observation and Geo-referencing of the Forest land based on DGPS Surveyed co-ordinates.
- Generation of the *shape* file and *kml* file of the Forest land
- Printing of Hard copy maps and report.

3. DELIVERABLE

- Post processed DGPS observations data as well as raw data in RINEX format.
- Geo-referenced scanned cadastral/forest compartment maps based on field observation.
- Geo-referenced shape, kml file (soft copy) of the Forest land with area statement.
- Submission of maps & report in hard copy along with soft copy and shape/kml file as per requirement of MoEF guidelines.
- Pillar Posting site photograph & DGPS Site Survey photos.

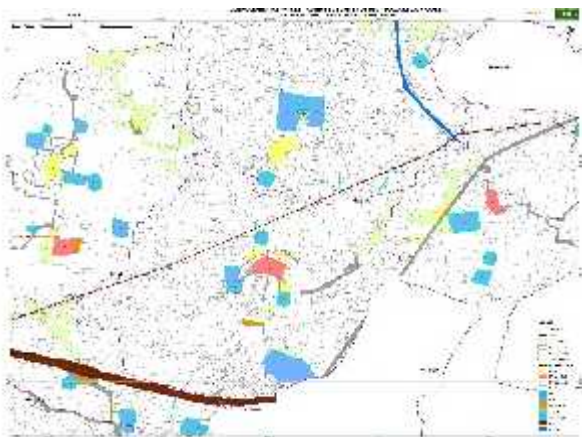
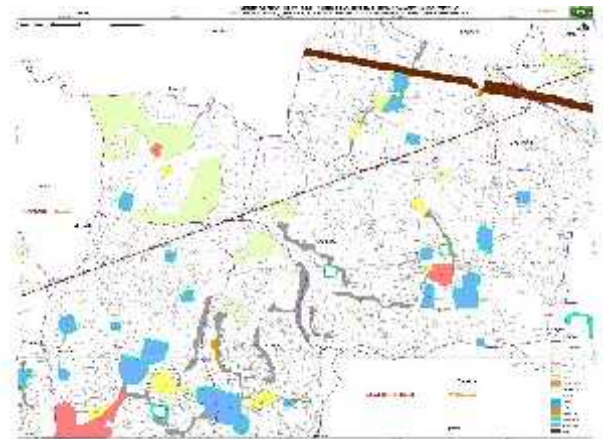
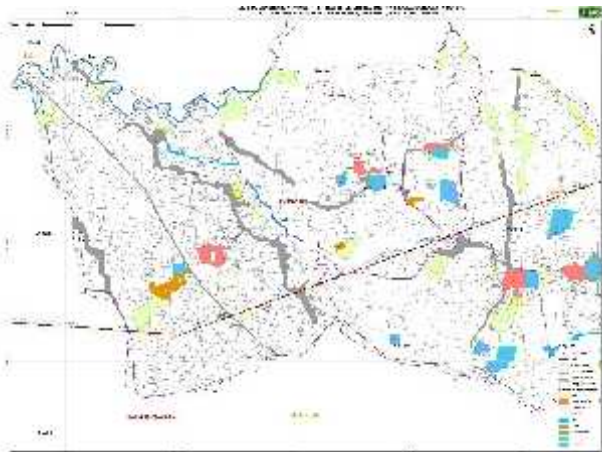


4. METHODOLOGY

4.1 INPUT DATA

The land plan and maps required for geo-referencing was provided by OGPTL to M/s SPARC along with the land schedules for desk study. The following maps are used for the desk study.

- Revenue maps of the Forest land Map
- Survey of India Topo Sheets
- Land Schedule



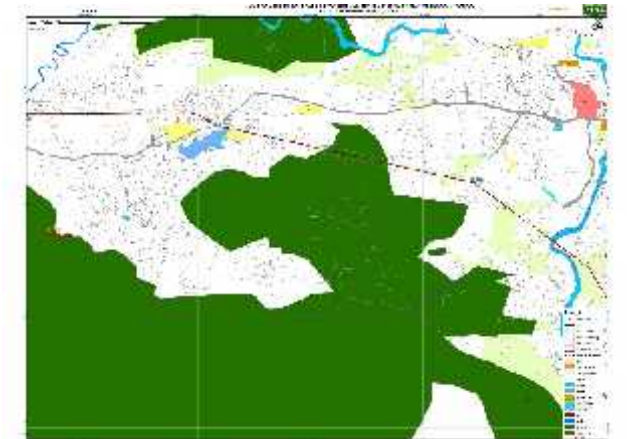
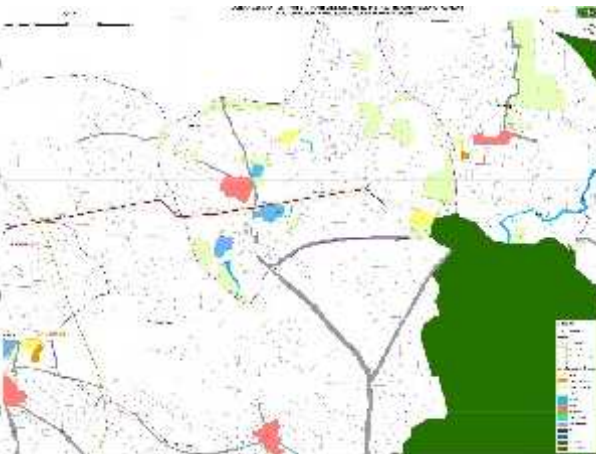
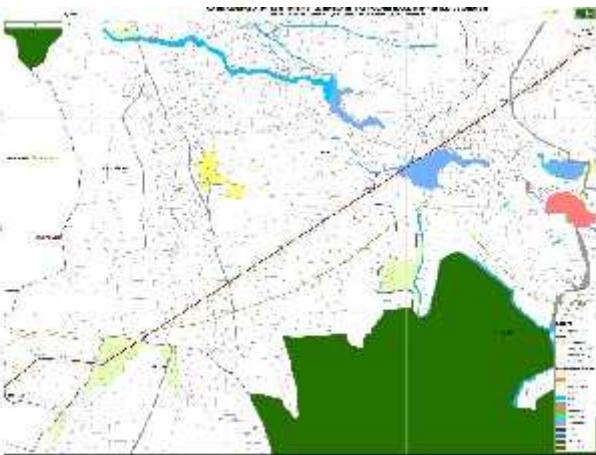
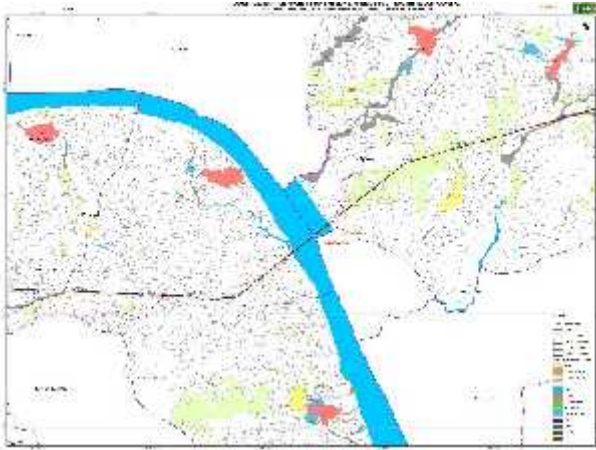




Fig-2: Transmission Line Superimposed on Topo Sheet

4.2 PRINCIPLE OF DGPS SURVEY

DGPS Survey is carried out by a pair of devices, one is called base and other is called as rover in order to eliminate the un-avoidable error which may occur during survey as transmission delays in the, multipath signal due to foreign object which may induce in the DGPS observation.

Base is stationary and fixed in an ideal location (that has a clear line of sight to the sky in all directions away from vertical obstructions such as buildings, deep cuttings, site vehicles, towers, or tree canopy) which is act as the Primary Control Point (PCP) while the rover collects the reading at target locations.



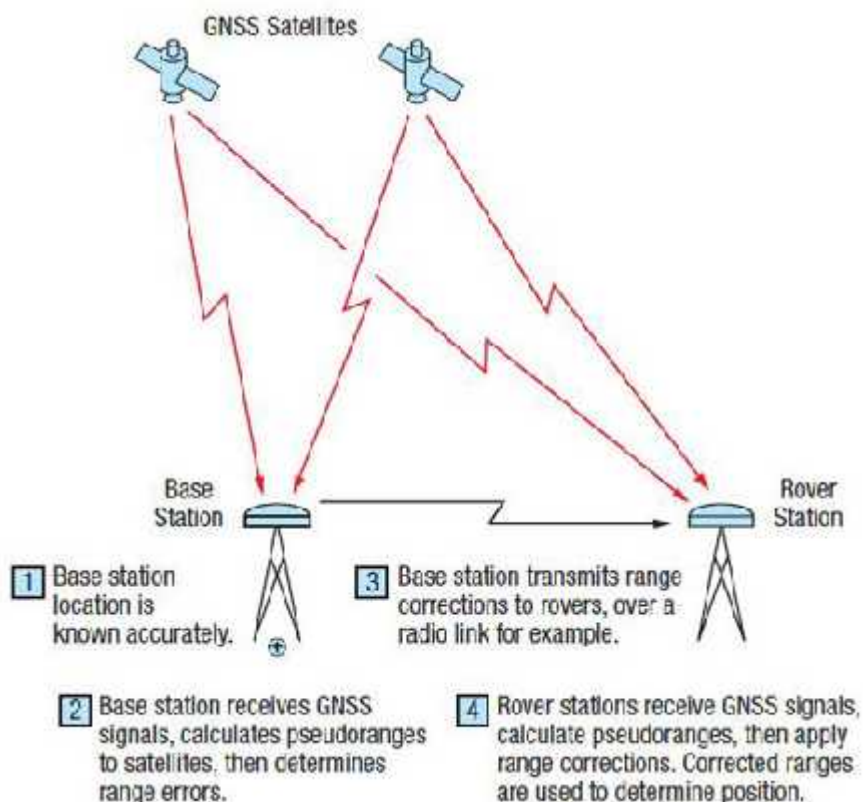


Fig-3: Concept of the DGPS survey

As the rover has no choice of sites and has to take reading at the pre fixed target location, it may induce error as discussed earlier. Therefore, the data received by the rover has to be processed with the observation received by the base rover in real time mode (through radio link) or during post process in a later stage to eliminate the error and get the final reading (coordinate value).

4.3 ESTABLISHMENT OF BASE STATION/PRIMARY CONTROL POINT (PCP)

The PCP was so planned to keep the entire project area within 3.0-4.0 Km from PCP for DGPS Survey.

GPS satellites complete one cycle of rotation around the earth in approximately 6 hours. Base Station was fixed through continuous observation of 12 hours (so that the base receives signals of all the satellite at least once) at the PCP on 19th July 2016 and further processing with the observed data of International GNSS Stations (IGS). The IGS processed report is enclosed as Annexure-6.

The processed coordinate value is as follows.

Table-1: Coordinate of Base Station

PCP	Latitude	Longitude	Northing (m)	Easting (m)
PCP-05	N21°58'30.19019"	E83°02'58.07326"	711617.181	2431482.345
PCP-06	N22°01'13.58013"	E83°12'28.04577"	727898.15	2436736.108
PCP-07	N22°02'55.62848"	E83°17'03.10047"	735740.92	2439991.535
PCP-08	N22°03'57.98003"	E83°20'28.27375"	741595.741	2441998.984

As per the National Map policy is enclosed as Annexure-7, all the maps are prepared with UTM Projection using the Datum WGS-1984 to seamless integration with new Open Series Maps (OSM) Topo Sheets published by Survey of India.

4.4 SECONDARY CONTROL POINT (SCP) SURVEY

4-6 secondary point per revenue sheet are required to geo-reference the maps based on DGPS survey. The Secondary Control Points (SCPs) in the area of interest were planned at convenient location. SCPs are planned well distributing in the revenue maps covering Tri-junction, Bi-junction, undistributed field bund.



DGPS observations were taken at SCPs location (for 15 minutes each) using rover. The data observed by base and rover were post processed using advanced Trimble Business Centre software for obtaining the final SCP Co-ordinates. The SCPs with fixed solutions only were used for Geo-referencing of the revenue maps.

4.5 PREPARATION OF GEO-REFERENCING OF REVENUE FOREST LAND

With geo-referencing of cadastral maps, each and every parcel of the revenue map also automatically geo-referenced. The forest patches were extracted from geo-referenced cadastral map as per land schedule provided by OGPTL to prepare the geo-referenced forest land map.

DGPS observations were taken at all change point of the Forest boundary using Trimble R-6 Dual frequency (with Glonass) DGPS. The data observed by base and rover were post processed using advanced Trimble Business Centre software for obtaining the final change point Co-ordinates. These co-ordinates were plotted in GIS software to prepare the geo-reference forest land map. 513 nos of change points are taken on both side of the forest boundary.

5. CONCLUSION

The observed DGPS co-ordinates of SCPs of Cadastral Map, forest boundary pillars and area are given in *Table-2 to Table-4* respectively.

Table-2: Co-ordinates of Secondary Control Points (SCPs)

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Easting	Northing
1	82°59'54.415091"	21°59'19.896867"	706327.9762	2432941.621
2	83°0'22.119948"	21°58'3.979255"	707153.3696	2430616.823
3	83°1'38.605763"	21°58'10.909807"	709345.0633	2430858.915
4	83°2'10.307705"	21°58'49.617215"	710238.8028	2432061.631
5	83°1'19.77501"	21°59'16.267186"	708758.2038	2432861.892
6	83°3'5.627831"	21°59'35.460753"	711807.0034	2433492.994
7	83°4'13.794877"	21°59'41.509109"	713760.0108	2433705.4
8	83°4'10.815291"	21°58'43.417176"	713698.7126	2431917.3
9	83°3'22.881995"	21°58'29.211415"	712329.368	2431461.785
10	83°2'29.774703"	21°58'28.209771"	710806.0872	2431410.576
11	83°4'52.132114"	21°59'24.387051"	714866.9633	2433193.642
12	83°5'28.80418"	22°1'0.851686"	715857.662	2436175.052
13	83°6'10.522506"	22°1'6.705539"	717072.5479	2436371.834
14	83°7'9.907682"	22°0'23.171644"	718794.4577	2435056.212
15	83°6'8.169321"	21°59'47.167161"	717038.7079	2433924.215
16	83°7'25.541006"	22°0'15.914136"	719246.008	2434839.186
17	83°7'59.707349"	22°1'12.271441"	720201.8963	2436586.474
18	83°8'13.45992"	22°0'0.905566"	720615.1867	2434396.492
19	83°9'33.81434"	22°1'13.681218"	722879.5304	2436667.474

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Easting	Northing
20	83°9'17.92593"	22°0'21.310591"	722443.6415	2435049.978
21	83°9'51.888002"	22°1'4.49407"	723423.1597	2436378.815
22	83°11'15.832698"	22°1'40.728859"	725814.8534	2437541.464
23	83°12'6.90854"	22°1'27.625105"	727262.1726	2437159.078
24	83°12'3.297878"	22°1'32.105897"	727180.0753	2437295.764
25	83°10'45.42696"	22°0'3.78219"	724985.2997	2434546.694
26	83°14'13.68403"	22°1'41.223384"	730915.8156	2437630.593
27	83°14'8.599225"	22°2'0.80515"	730761.1484	2438230.854
28	83°13'0.943655"	22°0'56.835747"	728849.2625	2436234.671
29	83°12'22.590785"	22°1'28.944944"	727734.8521	2437206.51
30	83°16'40.202083"	22°2'15.97852"	735102.4249	2438761.93
31	83°16'29.238576"	22°3'31.136581"	734753.4999	2441069.389
32	83°17'59.923972"	22°4'40.47122"	737322.1095	2443228.383
33	83°19'15.899422"	22°4'50.776899"	739495.5721	2443591.519
34	83°19'33.317026"	22°3'47.96177"	740024.8927	2441640.019
35	83°17'23.690839"	22°3'15.536444"	736322.2393	2440612.838
37	83°20'41.525765"	22°5'14.860275"	741939.3599	2444370.046
38	83°21'58.766379"	22°5'28.116211"	744147.6912	2444812.127
39	83°21'24.870893"	22°4'10.149635"	743212.9629	2442398.396
40	83°19'50.704514"	22°4'4.464526"	740515.3412	2442181.967
41	83°22'32.557168"	22°5'3.717393"	745128.2452	2444076.571
42	83°22'39.348016"	22°4'26.865512"	745340.6561	2442945.842
43	83°24'19.848132"	22°5'7.476667"	748202.8245	2444240.517
44	83°24'27.5171"	22°4'36.15008"	748423.3405	2443275.81
45	83°25'2.23099"	22°4'48.53499"	749421.3808	2443676.902
46	83°26'13.829871"	22°4'45.334251"	751482.0082	2443611.235
47	83°26'0.978087"	22°3'57.108614"	751137.177	2442121.613
48	83°24'58.1495"	22°4'3.653489"	749328.3438	2442294.248
49	83°27'40.75689"	22°4'48.784908"	753953.4275	2443757.163
50	83°29'10.773873"	22°4'41.269056"	756558.027	2443568.157
51	83°29'4.392239"	22°3'15.604245"	756417.9903	2440929.501
52	83°27'41.205503"	22°3'28.522891"	754025.7097	2441288.275
53	83°32'6.254195"	22°4'11.830196"	761605.2782	2442745.316
54	83°33'17.970004"	22°4'13.180283"	763661.3058	2442821.205
55	83°33'3.44303"	22°3'21.57083"	763260.0914	2441210.288
56	83°31'48.326638"	22°3'26.574342"	761114.253	2441344.338

Table-3: Forest Pillar Co-ordinates

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Patch-1					
Badadeogaon	F1	706980.776	2430802.802	83°0'16.190372"	21°58'10.97884"
Badadeogaon	F2	706966.357	2430803.181	83°0'15.688074"	21°58'10.116355"
Badadeogaon	F3	706959.337	2430812.477	83°0'15.447692"	21°58'10.42152"
Badadeogaon	F4	706926.325	2430814.185	83°0'14.298077"	21°58'10.491069"
Badadeogaon	F5	706893.693	2430826.897	83°0'13.166703"	21°58'10.918135"
Badadeogaon	F6	706879.447	2430849.140	83°0'12.680431"	21°58'11.647227"
Badadeogaon	F7	706981.738	2430844.202	83°0'16.242796"	21°58'11.443187"
Patch-2					
Badadeogaon	F8	707705.138	2430991.828	83°0'41.519279"	21°58'15.933257"
Badadeogaon	F9	707710.830	2430989.979	83°0'41.716777"	21°58'15.870699"
Badadeogaon	F10	707720.506	2430991.544	83°0'42.5468"	21°58'15.917442"
Badadeogaon	F11	707741.423	2430980.303	83°0'42.77845"	21°58'15.54312"
Badadeogaon	F12	707740.049	2430975.494	83°0'42.72837"	21°58'15.387405"
Badadeogaon	F13	707640.589	2430936.971	83°0'39.24477"	21°58'14.177714"
Badadeogaon	F14	707639.826	2430949.852	83°0'39.224053"	21°58'14.59673"
Badadeogaon	F15	707640.964	2430952.555	83°0'39.26496"	21°58'14.684122"
Badadeogaon	F16	707662.593	2430952.271	83°0'40.18539"	21°58'14.665636"
Badadeogaon	F17	707677.676	2430954.548	83°0'40.545195"	21°58'14.733197"
Badadeogaon	F18	707679.099	2430982.722	83°0'40.607681"	21°58'15.648369"
Patch-3					
Halahuli	F19	711784.279	2432626.524	83°3'4.430824"	21°59'7.307338"
Halahuli	F20	711731.197	2432604.595	83°3'2.57065"	21°59'6.617683"
Halahuli	F21	711730.849	2432610.393	83°3'2.561235"	21°59'6.806295"
Halahuli	F22	711726.241	2432619.993	83°3'2.405129"	21°59'7.120335"
Halahuli	F23	711727.969	2432628.249	83°3'2.469207"	21°59'7.38793"
Halahuli	F24	711728.353	2432635.545	83°3'2.485998"	21°59'7.624907"
Halahuli	F25	711776.161	2432654.745	83°3'4.161101"	21°59'8.228139"
Halahuli	F26	711778.081	2432643.417	83°3'4.22272"	21°59'7.859104"
Patch-4					
Telikot	F27	716517.197	2434719.857	83°5'50.373899"	22°0'13.260319"
Telikot	F28	716510.083	2434716.243	83°5'50.124207"	22°0'13.146039"
Telikot	F29	716508.412	2434732.340	83°5'50.73671"	22°0'13.669974"
Telikot	F30	716517.969	2434732.340	83°5'50.406782"	22°0'13.665712"
Patch-5					
Dusekela	F31	717183.880	2435052.029	83°6'13.76985"	22°0'23.758915"
Dusekela	F32	717180.475	2435053.731	83°6'13.651986"	22°0'23.815774"
Dusekela	F33	717179.794	2435070.075	83°6'13.636092"	22°0'24.347301"
Dusekela	F34	717177.070	2435076.545	83°6'13.544251"	22°0'24.558795"
Dusekela	F35	717176.275	2435106.758	83°6'13.531034"	22°0'25.541136"
Dusekela	F36	717183.705	2435110.117	83°6'13.791615"	22°0'25.646991"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Dusekela	F37	717183.199	2435095.953	83°6'13.767189"	22°0'25.186878"
Patch-6					
Dusekela	F38	718088.395	2435599.311	83°6'45.559991"	22°0'41.141258"
Dusekela	F39	718071.315	2435583.180	83°6'44.956891"	22°0'40.624643"
Dusekela	F40	718068.153	2435583.851	83°6'44.846994"	22°0'40.647866"
Dusekela	F41	718085.191	2435598.799	83°6'45.448084"	22°0'41.126079"
Patch-7					
Madanpur	F42	719054.730	2435561.920	83°7'19.224039"	22°0'39.49077"
Madanpur	F43	719051.608	2435555.050	83°7'19.111868"	22°0'39.268887"
Madanpur	F44	719019.442	2435558.808	83°7'17.992543"	22°0'39.405552"
Madanpur	F45	719018.587	2435563.328	83°7'17.964923"	22°0'39.552851"
Madanpur	F46	719007.321	2435572.716	83°7'17.576802"	22°0'39.863062"
Madanpur	F47	719004.505	2435619.656	83°7'17.501352"	22°0'41.389968"
Madanpur	F48	719010.265	2435627.336	83°7'17.705841"	22°0'41.63699"
Madanpur	F49	719076.641	2435619.581	83°7'20.15642"	22°0'41.354971"
Madanpur	F50	719076.323	2435614.492	83°7'20.2094"	22°0'41.189734"
Madanpur	F51	719064.118	2435594.778	83°7'19.567164"	22°0'40.554477"
Madanpur	F52	719055.669	2435576.471	83°7'19.263804"	22°0'39.963293"
Patch-8					
Madanpur	F53	719094.153	2435550.079	83°7'20.592387"	22°0'39.88118"
Madanpur	F54	719058.224	2435554.277	83°7'19.342096"	22°0'39.240776"
Madanpur	F55	719081.799	2435601.427	83°7'20.186648"	22°0'40.762627"
Madanpur	F56	719083.677	2435597.046	83°7'20.249972"	22°0'40.619387"
Madanpur	F57	719093.065	2435593.917	83°7'20.575677"	22°0'40.51344"
Madanpur	F58	719101.201	2435589.536	83°7'20.857147"	22°0'40.367374"
Patch-9					
Banipadar	F59	720498.087	2435315.590	83°8'9.412422"	22°0'30.831044"
Banipadar	F60	720528.598	2435309.958	83°8'10.473115"	22°0'30.634108"
Banipadar	F61	720568.496	2435311.366	83°8'11.864449"	22°0'30.661748"
Banipadar	F62	720578.354	2435302.917	83°8'12.203903"	22°0'30.382657"
Banipadar	F63	720606.518	2435300.100	83°8'13.184163"	22°0'30.27832"
Banipadar	F64	720637.498	2435289.774	83°8'14.258925"	22°0'29.928603"
Banipadar	F65	720642.192	2435283.202	83°8'14.419327"	22°0'29.712882"
Banipadar	F66	720641.781	2435281.832	83°8'14.404332"	22°0'29.668536"
Banipadar	F67	720633.672	2435280.280	83°8'14.120935"	22°0'29.621793"
Banipadar	F68	720633.273	2435281.794	83°8'14.10779"	22°0'29.671167"
Banipadar	F69	720621.538	2435285.549	83°8'13.700608"	22°0'29.798551"
Banipadar	F70	720599.946	2435289.304	83°8'12.949854"	22°0'29.930414"
Banipadar	F71	720582.578	2435292.121	83°8'12.345886"	22°0'30.29844"
Banipadar	F72	720564.272	2435298.692	83°8'11.711028"	22°0'30.25175"
Banipadar	F73	720517.802	2435301.978	83°8'10.92934"	22°0'30.379657"
Banipadar	F74	720506.536	2435306.672	83°8'9.702567"	22°0'30.537337"
Banipadar	F75	720494.801	2435308.080	83°8'9.294239"	22°0'30.588437"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Banipadar	F76	720472.236	2435317.607	83°8'8.512385"	22°0'30.908336"
Banipadar	F77	720488.367	2435320.694	83°8'9.76112"	22°0'31.1321"
Patch-10					
Chodha	F78	721077.234	2435624.485	83°8'29.749105"	22°0'40.607158"
Chodha	F79	721106.420	2435623.417	83°8'30.765838"	22°0'40.559159"
Chodha	F80	721105.829	2435622.117	83°8'30.744612"	22°0'40.517186"
Chodha	F81	721061.606	2435624.086	83°8'29.204181"	22°0'40.601321"
Chodha	F82	721042.936	2435607.750	83°8'28.545456"	22°0'40.78868"
Chodha	F83	721031.321	2435611.316	83°8'28.142357"	22°0'40.200057"
Chodha	F84	721027.761	2435623.773	83°8'28.24386"	22°0'40.606556"
Chodha	F85	721023.490	2435631.247	83°8'27.87917"	22°0'40.851427"
Chodha	F86	721023.490	2435634.450	83°8'27.880734"	22°0'40.955539"
Chodha	F87	721028.829	2435638.010	83°8'28.68556"	22°0'41.68787"
Chodha	F88	721039.151	2435632.671	83°8'28.42571"	22°0'40.890567"
Chodha	F89	721070.472	2435627.688	83°8'29.514965"	22°0'40.71435"
Chodha	F90	721006.050	2435596.767	83°8'27.254459"	22°0'39.738725"
Chodha	F91	721011.122	2435586.624	83°8'27.426284"	22°0'39.40673"
Chodha	F92	721022.462	2435589.836	83°8'27.823114"	22°0'39.505956"
Chodha	F93	720984.203	2435556.359	83°8'26.473252"	22°0'38.435333"
Chodha	F94	720979.890	2435564.201	83°8'26.326751"	22°0'38.692171"
Chodha	F95	720959.341	2435623.632	83°8'25.639531"	22°0'40.633135"
Chodha	F96	720988.855	2435649.456	83°8'26.680837"	22°0'41.459031"
Chodha	F97	721001.512	2435615.987	83°8'27.105674"	22°0'40.365461"
Patch-11					
Adpathra	F98	722761.824	2435590.052	83°9'28.448111"	22°0'38.717775"
Adpathra	F99	722746.444	2435589.938	83°9'27.911984"	22°0'38.721104"
Adpathra	F100	722742.162	2435610.550	83°9'27.772864"	22°0'39.392993"
Adpathra	F101	722743.092	2435615.665	83°9'27.807798"	22°0'39.558817"
Adpathra	F102	722776.573	2435630.546	83°9'28.982102"	22°0'40.27088"
Adpathra	F103	722793.779	2435642.636	83°9'29.587752"	22°0'40.412147"
Adpathra	F104	722803.486	2435645.196	83°9'29.927347"	22°0'40.490879"
Adpathra	F105	722813.775	2435640.311	83°9'30.283553"	22°0'40.327399"
Adpathra	F106	722790.989	2435613.340	83°9'29.476081"	22°0'39.461264"
Adpathra	F107	722785.408	2435611.015	83°9'29.28044"	22°0'39.388257"
Patch-12					
Adpathra	F108	722823.358	2435657.513	83°9'30.626029"	22°0'40.882095"
Adpathra	F109	722820.503	2435642.765	83°9'30.519272"	22°0'40.404056"
Adpathra	F110	722803.486	2435645.196	83°9'29.927347"	22°0'40.490879"
Adpathra	F111	722801.663	2435652.489	83°9'29.867389"	22°0'40.728748"
Adpathra	F112	722788.900	2435651.881	83°9'29.422248"	22°0'40.714855"
Adpathra	F113	722787.684	2435648.842	83°9'29.378386"	22°0'40.616649"
Adpathra	F114	722767.021	2435649.450	83°9'28.658466"	22°0'40.645887"
Adpathra	F115	722767.749	2435657.098	83°9'28.687619"	22°0'40.894135"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Patch-13					
Adpathra	F116	722829.837	2435590.560	83°9'30.818914"	22°0'38.70305"
Adpathra	F117	722792.882	2435590.284	83°9'29.530734"	22°0'38.711052"
Adpathra	F118	722808.001	2435602.943	83°9'30.63902"	22°0'39.115527"
Adpathra	F119	722812.577	2435608.927	83°9'30.226365"	22°0'39.30794"
Adpathra	F120	722816.450	2435607.871	83°9'30.36082"	22°0'39.271836"
Adpathra	F121	722821.730	2435596.606	83°9'30.53933"	22°0'38.903268"
Patch-14					
Pamgarh	F122	723094.216	2435645.312	83°9'40.60651"	22°0'40.36111"
Pamgarh	F123	723109.236	2435641.557	83°9'40.582339"	22°0'40.232157"
Pamgarh	F124	723126.604	2435641.557	83°9'41.187682"	22°0'40.224173"
Pamgarh	F125	723128.012	2435627.475	83°9'41.22982"	22°0'39.765847"
Pamgarh	F126	723125.113	2435594.227	83°9'41.112376"	22°0'38.686591"
Pamgarh	F127	723079.364	2435592.422	83°9'39.51694"	22°0'38.648945"
Pamgarh	F128	723083.420	2435620.903	83°9'39.672326"	22°0'39.572762"
Pamgarh	F129	723072.623	2435622.312	83°9'39.296726"	22°0'39.623493"
Pamgarh	F130	723065.582	2435627.944	83°9'39.54094"	22°0'39.8098"
Pamgarh	F131	723070.746	2435641.088	83°9'39.240539"	22°0'40.234594"
Pamgarh	F132	723081.542	2435644.843	83°9'39.618684"	22°0'40.351679"
Patch-15					
Pamgarh	F133	724639.626	2435622.161	83°10'33.913334"	22°0'38.895838"
Pamgarh	F134	724640.645	2435617.064	83°10'33.946338"	22°0'38.729693"
Pamgarh	F135	724651.653	2435621.611	83°10'34.332263"	22°0'38.872378"
Pamgarh	F136	724680.426	2435620.293	83°10'35.334462"	22°0'38.816253"
Pamgarh	F137	724709.579	2435619.196	83°10'36.350013"	22°0'38.767077"
Pamgarh	F138	724708.943	2435606.150	83°10'36.321355"	22°0'38.343379"
Pamgarh	F139	724717.392	2435608.966	83°10'36.61724"	22°0'38.431002"
Pamgarh	F140	724719.616	2435618.818	83°10'36.699663"	22°0'38.750145"
Pamgarh	F141	724812.132	2435615.334	83°10'39.92246"	22°0'38.594073"
Pamgarh	F142	724811.037	2435612.487	83°10'39.882882"	22°0'38.502054"
Pamgarh	F143	724798.715	2435606.854	83°10'39.450625"	22°0'38.324691"
Pamgarh	F144	724811.389	2435600.869	83°10'39.889382"	22°0'38.12431"
Pamgarh	F145	724811.037	2435593.828	83°10'39.873614"	22°0'37.895636"
Pamgarh	F146	724809.980	2435590.660	83°10'39.835229"	22°0'37.793149"
Pamgarh	F147	724821.246	2435588.548	83°10'40.226828"	22°0'37.719279"
Pamgarh	F148	724822.198	2435592.070	83°10'40.261753"	22°0'37.83331"
Pamgarh	F149	724833.023	2435609.232	83°10'40.647589"	22°0'38.386085"
Pamgarh	F150	724829.122	2435614.694	83°10'40.514325"	22°0'38.565408"
Pamgarh	F151	724868.010	2435613.230	83°10'41.869001"	22°0'38.499798"
Pamgarh	F152	724851.770	2435587.581	83°10'41.290225"	22°0'37.673727"
Pamgarh	F153	724838.304	2435572.531	83°10'40.813411"	22°0'37.190827"
Pamgarh	F154	724834.608	2435562.234	83°10'40.679458"	22°0'36.857865"
Pamgarh	F155	724819.293	2435556.161	83°10'40.142686"	22°0'36.667587"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Pamgarh	F156	724817.973	2435562.234	83°10'40.99689"	22°0'36.865571"
Pamgarh	F157	724822.726	2435569.891	83°10'40.269141"	22°0'37.112229"
Pamgarh	F158	724825.471	2435583.267	83°10'40.371448"	22°0'37.545695"
Pamgarh	F159	724758.933	2435585.027	83°10'38.53244"	22°0'37.633721"
Pamgarh	F160	724688.876	2435589.252	83°10'35.61356"	22°0'37.803461"
Pamgarh	F161	724670.569	2435593.476	83°10'34.977603"	22°0'37.949237"
Pamgarh	F162	724626.211	2435598.053	83°10'33.43382"	22°0'38.118513"
Pamgarh	F163	724625.155	2435600.165	83°10'33.398058"	22°0'38.187653"
Pamgarh	F164	724624.099	2435605.798	83°10'33.364043"	22°0'38.371212"
Pamgarh	F165	724626.211	2435610.023	83°10'33.439761"	22°0'38.507536"
Pamgarh	F166	724625.921	2435622.788	83°10'33.435985"	22°0'38.922569"
Patch-16					
Bade Dumerpali	F167	724805.087	2435548.552	83°10'39.643748"	22°0'36.426861"
Bade Dumerpali	F168	724814.764	2435554.090	83°10'39.983793"	22°0'36.602384"
Bade Dumerpali	F169	724814.210	2435548.208	83°10'39.961575"	22°0'36.411469"
Bade Dumerpali	F170	724770.508	2435549.854	83°10'38.4392"	22°0'36.485196"
Bade Dumerpali	F171	724774.263	2435560.644	83°10'38.575413"	22°0'36.834152"
Patch-17					
Pamgarh	F172	725061.943	2435635.878	83°10'48.639576"	22°0'39.145989"
Pamgarh	F173	725036.496	2435639.117	83°10'47.75427"	22°0'39.263063"
Pamgarh	F174	725054.638	2435655.018	83°10'48.394484"	22°0'39.771445"
Patch-18					
Pamgarh	F175	725434.517	2435941.559	83°11'1.777538"	22°0'48.907908"
Pamgarh	F176	725430.780	2435938.088	83°11'1.645553"	22°0'48.79686"
Pamgarh	F177	725411.293	2435955.706	83°11'0.975133"	22°0'49.378508"
Pamgarh	F178	725410.661	2435965.826	83°11'0.95813"	22°0'49.707696"
Pamgarh	F179	725419.669	2435973.557	83°11'1.27595"	22°0'49.954782"
Pamgarh	F180	725435.051	2435945.563	83°11'1.798141"	22°0'49.37795"
Patch-19					
Jhintipali	F181	725747.459	2436172.296	83°11'12.800084"	22°0'56.261516"
Jhintipali	F182	725730.944	2436164.837	83°11'12.220745"	22°0'56.26802"
Jhintipali	F183	725699.067	2436202.714	83°11'11.128574"	22°0'57.272629"
Jhintipali	F184	725743.730	2436234.093	83°11'12.700939"	22°0'58.271685"
Jhintipali	F185	725759.712	2436236.223	83°11'13.259055"	22°0'58.333506"
Jhintipali	F186	725780.488	2436205.325	83°11'13.967804"	22°0'57.319621"
Patch-20					
Binjkot	F187	726070.279	2436455.272	83°11'24.193341"	22°1'5.308079"
Binjkot	F188	725842.365	2436251.534	83°11'16.14757"	22°0'58.792629"
Binjkot	F189	725826.820	2436245.375	83°11'15.602694"	22°0'58.599715"
Binjkot	F190	725815.633	2436244.843	83°11'15.212491"	22°0'58.587608"
Binjkot	F191	725827.353	2436292.256	83°11'15.644663"	22°1'0.123106"
Binjkot	F192	725825.222	2436301.046	83°11'15.574776"	22°1'0.40978"
Binjkot	F193	725846.798	2436318.626	83°11'16.335576"	22°1'0.971102"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Binjkot	F194	725881.558	2436313.831	83°11'17.544777"	22°1'0.799094"
Binjkot	F195	725906.330	2436315.030	83°11'18.408811"	22°1'0.826517"
Binjkot	F196	725907.130	2436323.820	83°11'18.441052"	22°1'1.111827"
Binjkot	F197	725871.969	2436328.615	83°11'17.217925"	22°1'1.284023"
Binjkot	F198	725853.990	2436336.206	83°11'16.595027"	22°1'1.539119"
Binjkot	F199	725846.442	2436344.994	83°11'16.336359"	22°1'1.828258"
Binjkot	F200	725884.784	2436379.228	83°11'17.689872"	22°1'2.923028"
Binjkot	F201	725897.940	2436377.360	83°11'18.147479"	22°1'2.85617"
Binjkot	F202	725903.534	2436381.755	83°11'18.344644"	22°1'2.996406"
Binjkot	F203	725895.305	2436388.621	83°11'18.61256"	22°1'3.223415"
Binjkot	F204	725993.973	2436476.554	83°11'21.544296"	22°1'6.35324"
Binjkot	F205	726001.556	2436470.721	83°11'21.805705"	22°1'5.842204"
Binjkot	F206	726649.091	2436753.712	83°11'44.517638"	22°1'14.737465"
Binjkot	F207	726281.784	2436642.208	83°11'31.658959"	22°1'11.285006"
Binjkot	F208	726100.699	2436481.659	83°11'25.266833"	22°1'6.151497"
Binjkot	F209	726100.588	2436534.639	83°11'25.289465"	22°1'7.87345"
Binjkot	F210	726067.383	2436541.662	83°11'24.135567"	22°1'8.117153"
Binjkot	F211	726082.356	2436554.937	83°11'24.664122"	22°1'8.541641"
Binjkot	F212	726101.146	2436549.144	83°11'25.316161"	22°1'8.344609"
Binjkot	F213	726127.367	2436548.029	83°11'26.229538"	22°1'8.296125"
Binjkot	F214	726135.177	2436560.860	83°11'26.508189"	22°1'8.709509"
Binjkot	F215	726108.399	2436569.228	83°11'25.57899"	22°1'8.993963"
Binjkot	F216	726099.658	2436570.277	83°11'25.27486"	22°1'9.3213"
Binjkot	F217	726134.809	2436601.442	83°11'26.515662"	22°1'10.28624"
Binjkot	F218	726148.008	2436591.544	83°11'26.970774"	22°1'9.70076"
Binjkot	F219	726218.302	2436613.301	83°11'29.431785"	22°1'10.375116"
Binjkot	F220	726226.112	2436625.575	83°11'29.710161"	22°1'10.770366"
Binjkot	F221	726275.903	2436664.626	83°11'31.465208"	22°1'12.16348"
Binjkot	F222	726334.063	2436700.192	83°11'33.510202"	22°1'13.145099"
Binjkot	F223	726339.345	2436729.702	83°11'33.709099"	22°1'14.101722"
Binjkot	F224	726410.302	2436751.242	83°11'36.19316"	22°1'14.768686"
Binjkot	F225	726452.055	2436720.275	83°11'37.632998"	22°1'13.742767"
Binjkot	F226	726462.097	2436729.899	83°11'37.987837"	22°1'14.50846"
Binjkot	F227	726455.402	2436736.593	83°11'37.757841"	22°1'14.271549"
Binjkot	F228	726452.055	2436737.849	83°11'37.641796"	22°1'14.313907"
Binjkot	F229	726438.247	2436749.146	83°11'37.166172"	22°1'14.687515"
Binjkot	F230	726442.013	2436755.004	83°11'37.300363"	22°1'14.876137"
Binjkot	F231	726434.801	2436758.679	83°11'37.50799"	22°1'14.998957"
Binjkot	F232	726562.813	2436797.540	83°11'41.532281"	22°1'16.202183"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Binjkot	F233	726572.558	2436795.171	83°11'41.870763"	22°1'16.120646"
Binjkot	F234	726573.116	2436784.571	83°11'41.884899"	22°1'15.775888"
Binjkot	F235	726583.158	2436782.340	83°11'42.233803"	22°1'15.698672"
Patch-21					
Binjkot	F236	726981.042	2436856.119	83°11'56.139508"	22°1'17.910511"
Binjkot	F237	726933.770	2436841.523	83°11'54.48444"	22°1'17.458239"
Binjkot	F238	726920.881	2436866.616	83°11'54.47773"	22°1'18.279797"
Binjkot	F239	726922.046	2436873.607	83°11'54.91895"	22°1'18.506466"
Binjkot	F240	726963.993	2436893.415	83°11'55.563942"	22°1'19.130615"
Patch-22					
Binjkot	F241	727594.398	2437044.488	83°12'17.613463"	22°1'23.745126"
Binjkot	F242	727538.843	2437027.518	83°12'15.668494"	22°1'23.219683"
Binjkot	F243	727526.423	2437053.937	83°12'15.248868"	22°1'24.84129"
Binjkot	F244	727568.701	2437067.516	83°12'16.729366"	22°1'24.505595"
Binjkot	F245	727600.665	2437067.516	83°12'17.843515"	22°1'24.490597"
Binjkot	F246	727634.760	2437061.123	83°12'19.28723"	22°1'24.266831"
Binjkot	F247	727594.273	2437053.665	83°12'17.613715"	22°1'24.43436"
Patch-23					
Binjkot	F248	727647.240	2437110.485	83°12'19.488557"	22°1'25.865251"
Binjkot	F249	727651.203	2437109.428	83°12'19.626167"	22°1'25.829044"
Binjkot	F250	727680.266	2437119.997	83°12'20.644523"	22°1'26.158875"
Binjkot	F251	727680.266	2437076.666	83°12'20.622708"	22°1'24.750635"
Binjkot	F252	727660.714	2437074.817	83°12'19.940282"	22°1'24.699705"
Binjkot	F253	727625.839	2437082.479	83°12'18.728498"	22°1'24.965091"
Binjkot	F254	727602.324	2437084.328	83°12'17.909792"	22°1'25.36233"
Binjkot	F255	727583.829	2437083.007	83°12'17.264469"	22°1'25.1978"
Binjkot	F256	727606.325	2437118.187	83°12'18.663"	22°1'26.134765"
Binjkot	F257	727644.821	2437129.946	83°12'19.414063"	22°1'26.498862"
Patch-24					
Binjkot	F258	728077.130	2437203.357	83°12'34.519859"	22°1'28.681647"
Binjkot	F259	728066.042	2437199.162	83°12'34.131271"	22°1'28.550515"
Binjkot	F260	728056.753	2437200.361	83°12'33.808074"	22°1'28.593839"
Binjkot	F261	728063.645	2437215.344	83°12'34.5587"	22°1'29.77549"
Binjkot	F262	728069.339	2437223.734	83°12'34.25856"	22°1'29.347564"
Binjkot	F263	728070.837	2437236.320	83°12'34.317134"	22°1'29.755898"
Binjkot	F264	728067.840	2437255.199	83°12'34.222203"	22°1'30.370865"
Binjkot	F265	728078.931	2437261.248	83°12'34.611856"	22°1'30.562266"
Binjkot	F266	728112.490	2437261.492	83°12'35.781717"	22°1'30.554386"
Binjkot	F267	728113.988	2437244.711	83°12'35.825478"	22°1'30.8297"
Binjkot	F268	728094.510	2437237.818	83°12'35.143062"	22°1'29.79346"
Binjkot	F269	728077.429	2437210.549	83°12'34.533931"	22°1'28.915243"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Patch-25					
Binjkot	F270	728374.011	2437297.433	83°12'44.915651"	22°1'31.599392"
Binjkot	F271	728206.220	2437241.064	83°12'39.38525"	22°1'29.846402"
Binjkot	F272	728178.766	2437270.014	83°12'38.96204"	22°1'30.80019"
Binjkot	F273	728225.030	2437269.659	83°12'39.708641"	22°1'30.766892"
Binjkot	F274	728353.167	2437306.062	83°12'44.193431"	22°1'31.889653"
Patch-26					
Binjkot	F275	728693.201	2437451.567	83°12'56.119527"	22°1'36.458343"
Binjkot	F276	728620.471	2437450.922	83°12'53.584035"	22°1'36.471666"
Binjkot	F277	728765.216	2437498.324	83°12'58.653389"	22°1'37.943961"
Binjkot	F278	728742.923	2437478.559	83°12'57.866329"	22°1'37.312122"
Patch-27					
Darama	F279	730331.535	2437925.935	83°13'53.468262"	22°1'51.99733"
Darama	F280	730308.755	2437989.017	83°13'52.706353"	22°1'53.160698"
Darama	F281	730400.562	2438016.185	83°13'55.920388"	22°1'54.2"
Darama	F282	730405.411	2437951.408	83°13'56.56401"	22°1'51.892506"
Darama	F283	730410.687	2437949.335	83°13'56.239264"	22°1'51.822605"
Patch-28					
Darama	F284	730570.809	2438043.409	83°14'1.868726"	22°1'54.803845"
Darama	F285	730565.661	2438041.049	83°14'1.688057"	22°1'54.729604"
Darama	F286	730526.832	2438048.986	83°14'0.338634"	22°1'55.6024"
Darama	F287	730526.449	2438053.075	83°14'0.327357"	22°1'55.13909"
Darama	F288	730582.663	2438069.548	83°14'2.295261"	22°1'55.647722"
Darama	F289	730589.963	2438059.951	83°14'2.544807"	22°1'55.332341"
Patch-29					
Darama	F290	731090.666	2438147.521	83°14'20.42995"	22°1'57.939921"
Darama	F291	731070.564	2438141.689	83°14'19.339298"	22°1'57.759978"
Darama	F292	731070.564	2438143.280	83°14'19.340111"	22°1'57.811685"
Darama	F293	731087.153	2438161.300	83°14'19.927604"	22°1'58.389409"
Darama	F294	731107.175	2438175.887	83°14'20.632987"	22°1'58.853947"
Darama	F295	731112.610	2438176.745	83°14'20.822862"	22°1'58.879244"
Darama	F296	731112.324	2438170.453	83°14'20.809675"	22°1'58.674874"
Patch-30					
Gadagaon	F297	735042.931	2439949.569	83°16'38.746146"	22°2'54.603791"
Gadagaon	F298	735005.769	2439939.093	83°16'37.445203"	22°2'54.281395"
Gadagaon	F299	735044.669	2439986.288	83°16'38.825846"	22°2'55.796274"
Gadagaon	F300	735052.392	2440000.017	83°16'39.102214"	22°2'56.238709"
Gadagaon	F301	735054.108	2440011.745	83°16'39.168145"	22°2'56.618991"
Gadagaon	F302	735051.524	2440026.308	83°16'39.85652"	22°2'57.93525"
Gadagaon	F303	735072.128	2440024.330	83°16'39.802883"	22°2'57.19247"
Gadagaon	F304	735075.274	2440019.467	83°16'39.910036"	22°2'56.859698"
Gadagaon	F305	735086.979	2439986.752	83°16'40.301041"	22°2'55.790811"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Patch-31					
Gadagaon	F306	735287.044	2440164.159	83°16'47.36794"	22°3'1.459122"
Gadagaon	F307	735186.246	2440158.229	83°16'43.850904"	22°3'1.315379"
Gadagaon	F308	735272.969	2440236.234	83°16'46.914809"	22°3'3.808282"
Gadagaon	F309	735278.273	2440188.566	83°16'47.74871"	22°3'2.256594"
Patch-32					
Gadagaon	F310	735403.461	2440263.537	83°16'51.478176"	22°3'4.632199"
Gadagaon	F311	735381.108	2440243.420	83°16'50.688432"	22°3'3.989271"
Gadagaon	F312	735378.251	2440272.946	83°16'50.604242"	22°3'4.950228"
Gadagaon	F313	735403.391	2440274.216	83°16'51.481294"	22°3'4.979273"
Patch-33					
Jamdabri	F314	736724.702	2441023.721	83°17'37.936912"	22°3'28.692775"
Jamdabri	F315	736614.745	2440942.673	83°17'34.6104"	22°3'26.112627"
Jamdabri	F316	736515.580	2440950.257	83°17'30.607865"	22°3'26.407511"
Jamdabri	F317	736514.957	2440960.432	83°17'30.591479"	22°3'26.738482"
Jamdabri	F318	736541.091	2441015.501	83°17'31.531414"	22°3'28.515381"
Jamdabri	F319	736595.031	2441011.377	83°17'33.40978"	22°3'28.354977"
Jamdabri	F320	736708.207	2441094.797	83°17'37.399149"	22°3'31.10671"
Jamdabri	F321	736768.923	2441072.801	83°17'39.504342"	22°3'30.26615"
Jamdabri	F322	736756.167	2441046.914	83°17'39.46061"	22°3'29.43112"
Patch-34					
Samaruma	F323	743336.527	2443732.539	83°21'29.898791"	22°4'53.442453"
Samaruma	F324	743277.083	2443790.256	83°21'27.857276"	22°4'55.347949"
Samaruma	F325	743367.658	2443791.008	83°21'31.15786"	22°4'55.326812"
Samaruma	F326	743368.414	2443740.452	83°21'31.14859"	22°4'53.683568"
Patch-35					
Padakopahari	F327	743383.860	2443737.306	83°21'31.551699"	22°4'53.573552"
Padakopahari	F328	743401.308	2443752.180	83°21'32.168078"	22°4'54.48106"
Padakopahari	F329	743438.777	2443764.479	83°21'33.481174"	22°4'54.428928"
Padakopahari	F330	743525.165	2443751.906	83°21'36.486448"	22°4'53.97686"
Padakopahari	F331	743524.301	2443724.565	83°21'36.441573"	22°4'53.88809"
Padakopahari	F332	743581.929	2443724.770	83°21'38.450977"	22°4'53.66455"
Padakopahari	F333	743587.278	2443769.414	83°21'38.661614"	22°4'54.514544"
Padakopahari	F334	743582.276	2443790.675	83°21'38.498683"	22°4'55.207946"
Padakopahari	F335	743517.819	2443791.542	83°21'36.251728"	22°4'55.268595"
Padakopahari	F336	743454.583	2443791.317	83°21'34.46774"	22°4'55.293117"
Patch-36					
Padakopahari	F336	743581.745	2443791.770	83°21'38.480782"	22°4'55.243797"
Padakopahari	F337	743783.232	2443792.957	83°21'45.506654"	22°4'55.180872"
Padakopahari	F338	743859.702	2443765.516	83°21'48.158084"	22°4'54.250578"
Padakopahari	F339	743859.702	2443739.948	83°21'48.144252"	22°4'53.419714"
Padakopahari	F340	743864.553	2443727.159	83°21'48.306471"	22°4'53.1678"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Padakopahari	F341	743839.952	2443726.793	83°21'47.44852"	22°4'53.2193"
Padakopahari	F342	743837.191	2443753.531	83°21'47.366715"	22°4'53.87246"
Padakopahari	F343	743709.629	2443751.620	83°21'42.917999"	22°4'53.874664"
Padakopahari	F344	743672.945	2443758.846	83°21'41.642832"	22°4'54.127957"
Padakopahari	F345	743668.498	2443767.739	83°21'41.4926"	22°4'54.419194"
Padakopahari	F346	743655.158	2443779.967	83°21'41.34092"	22°4'54.823285"
Padakopahari	F347	743647.932	2443771.074	83°21'40.777346"	22°4'54.537928"
Padakopahari	F348	743626.464	2443770.727	83°21'40.28609"	22°4'54.537454"
Padakopahari	F349	743618.960	2443773.853	83°21'39.768669"	22°4'54.642834"
Padakopahari	F350	743609.581	2443785.734	83°21'39.448054"	22°4'55.3364"
Padakopahari	F351	743608.632	2443791.865	83°21'39.418282"	22°4'55.233365"
Padakopahari	F352	743741.633	2443792.339	83°21'44.559"	22°4'55.181737"
Patch-37					
Padakopahari	F353	743993.285	2443729.073	83°21'52.795994"	22°4'52.998959"
Padakopahari	F354	743983.060	2443729.804	83°21'52.439876"	22°4'53.27866"
Padakopahari	F355	743973.889	2443751.064	83°21'52.131615"	22°4'53.723373"
Padakopahari	F356	743960.549	2443765.516	83°21'51.67432"	22°4'54.19972"
Padakopahari	F357	743931.091	2443776.076	83°21'50.652902"	22°4'54.557762"
Padakopahari	F358	743894.962	2443779.967	83°21'49.395314"	22°4'54.702417"
Padakopahari	F359	743881.066	2443784.414	83°21'48.913222"	22°4'54.853923"
Padakopahari	F360	743879.137	2443794.383	83°21'48.851338"	22°4'55.178865"
Padakopahari	F361	744261.931	2443798.992	83°22'2.200663"	22°4'55.135455"
Padakopahari	F362	744265.821	2443732.019	83°22'2.300023"	22°4'52.957114"
Patch-38					
Amghat	F363	745242.902	2443838.657	83°22'36.425494"	22°4'55.928001"
Amghat	F364	745238.326	2443828.741	83°22'36.260534"	22°4'55.608103"
Amghat	F365	745250.911	2443834.081	83°22'36.702243"	22°4'55.775223"
Amghat	F366	745250.911	2443790.986	83°22'36.678797"	22°4'54.374812"
Amghat	F367	745267.351	2443773.861	83°22'37.242666"	22°4'53.81"
Amghat	F368	745208.641	2443772.633	83°22'35.194986"	22°4'53.799861"
Amghat	F369	745197.901	2443789.079	83°22'34.829465"	22°4'54.339724"
Amghat	F370	745166.247	2443788.698	83°22'33.725599"	22°4'54.343377"
Amghat	F371	745157.354	2443771.560	83°22'33.406203"	22°4'53.790993"
Amghat	F372	745057.861	2443769.479	83°22'29.936107"	22°4'53.773775"
Amghat	F373	745052.980	2443808.529	83°22'29.787143"	22°4'55.45217"
Amghat	F374	745040.013	2443815.393	83°22'29.338773"	22°4'55.274861"
Amghat	F375	745022.851	2443818.063	83°22'28.741853"	22°4'55.370307"
Amghat	F376	745021.466	2443832.576	83°22'28.701451"	22°4'55.84261"
Patch-39					
Amghat	F377	745958.183	2443667.206	83°23'1.271306"	22°4'49.993344"
Amghat	F378	745957.285	2443663.359	83°23'1.23791"	22°4'49.868789"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Amghat	F379	745953.804	2443664.175	83°23'1.116985"	22°4'49.897064"
Patch-40					
Amghat	F380	746135.086	2443648.676	83°23'7.429101"	22°4'49.301198"
Amghat	F381	746113.230	2443626.820	83°23'6.655137"	22°4'48.60209"
Amghat	F382	746110.422	2443627.478	83°23'6.557587"	22°4'48.624901"
Amghat	F383	746088.463	2443656.399	83°23'5.807775"	22°4'49.575878"
Amghat	F384	746123.645	2443679.853	83°23'7.47216"	22°4'50.320144"
Amghat	F385	746130.339	2443691.626	83°23'7.287047"	22°4'50.6993"
Amghat	F386	746173.623	2443681.484	83°23'8.790668"	22°4'50.347701"
Patch-41					
Amghat	F387	747213.175	2443361.433	83°23'44.860087"	22°4'39.417286"
Amghat	F388	747189.627	2443367.153	83°23'44.42215"	22°4'39.61519"
Amghat	F389	747182.100	2443437.634	83°23'43.818421"	22°4'41.909364"
Amghat	F390	747197.068	2443434.294	83°23'44.33845"	22°4'41.793167"
Amghat	F391	747199.264	2443403.189	83°23'44.397947"	22°4'40.781285"
Amghat	F392	747225.578	2443398.232	83°23'45.31269"	22°4'40.606731"
Amghat	F393	746660.427	2443496.107	83°23'25.662145"	22°4'44.75763"
Amghat	F394	746623.434	2443505.642	83°23'24.377582"	22°4'44.404447"
Amghat	F395	746645.049	2443562.197	83°23'25.162127"	22°4'46.231229"
Amghat	F396	746677.970	2443557.889	83°23'26.307596"	22°4'46.74467"
Amghat	F397	746745.473	2443543.779	83°23'28.653394"	22°4'45.581502"
Amghat	F398	746234.140	2443610.561	83°23'10.861896"	22°4'48.12203"
Amghat	F399	746241.767	2443598.357	83°23'11.121167"	22°4'47.611746"
Amghat	F400	746140.304	2443620.679	83°23'7.595773"	22°4'48.388751"
Amghat	F401	746143.628	2443634.969	83°23'7.719442"	22°4'48.851419"
Amghat	F402	746154.815	2443638.020	83°23'8.111149"	22°4'48.94487"
Amghat	F403	746170.578	2443637.511	83°23'8.660475"	22°4'48.920324"
Amghat	F404	746214.817	2443629.375	83°23'10.198466"	22°4'48.633424"
Amghat	F405	746232.614	2443623.273	83°23'10.815652"	22°4'48.426078"
Amghat	F406	746485.348	2443607.082	83°23'19.618585"	22°4'47.771212"
Amghat	F407	746479.064	2443590.165	83°23'19.390252"	22°4'47.224669"
Amghat	F408	746524.829	2443570.333	83°23'20.975021"	22°4'46.556916"
Amghat	F409	746537.033	2443570.842	83°23'21.400795"	22°4'46.56722"
Amghat	F410	746580.522	2443514.998	83°23'22.886524"	22°4'44.730371"
Amghat	F411	746414.762	2443555.288	83°23'17.129232"	22°4'46.124096"
Amghat	F412	746417.028	2443561.181	83°23'17.211466"	22°4'46.314414"
Amghat	F413	746405.333	2443589.148	83°23'16.818985"	22°4'47.229186"
Amghat	F414	746380.417	2443594.233	83°23'15.95304"	22°4'47.407117"
Amghat	F415	746369.230	2443589.656	83°23'15.5605"	22°4'47.2641"
Amghat	F416	746361.602	2443595.250	83°23'15.297621"	22°4'47.449748"
Amghat	F417	746351.941	2443599.826	83°23'14.963269"	22°4'47.603383"
Amghat	F418	746337.703	2443601.860	83°23'14.467967"	22°4'47.67673"
Amghat	F419	746342.065	2443641.336	83°23'14.641616"	22°4'48.957314"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Amghat	F420	746300.837	2443607.129	83°23'13.185487"	22°4'47.866709"
Amghat	F421	746256.598	2443617.426	83°23'11.648681"	22°4'48.223843"
Amghat	F422	746242.487	2443628.485	83°23'11.162739"	22°4'48.590422"
Amghat	F423	746238.716	2443635.986	83°23'11.35345"	22°4'48.83607"
Amghat	F424	746241.767	2443653.274	83°23'11.151163"	22°4'49.39633"
Amghat	F425	746248.380	2443663.414	83°23'11.38725"	22°4'49.722439"
Amghat	F426	746298.108	2443652.316	83°23'13.115008"	22°4'49.336496"
Amghat	F427	746295.668	2443641.579	83°23'13.24063"	22°4'48.988837"
Amghat	F428	746300.752	2443635.477	83°23'13.19802"	22°4'48.787961"
Patch-42					
Amghat	F429	747655.421	2443250.812	83°24'0.218213"	22°4'35.596401"
Amghat	F430	747578.720	2443270.846	83°23'57.555071"	22°4'36.286664"
Amghat	F431	747581.717	2443281.220	83°23'57.665258"	22°4'36.622252"
Amghat	F432	747617.185	2443288.466	83°23'58.905803"	22°4'36.839563"
Amghat	F433	747660.280	2443289.992	83°24'0.409134"	22°4'36.867075"
Amghat	F434	747688.204	2443311.497	83°24'1.394523"	22°4'37.551604"
Amghat	F435	747745.906	2443296.426	83°24'3.398006"	22°4'37.32307"
Amghat	F436	747742.274	2443290.373	83°24'3.268068"	22°4'36.837486"
Amghat	F437	747736.935	2443287.322	83°24'3.80242"	22°4'36.741078"
Amghat	F438	747705.663	2443281.602	83°24'1.986796"	22°4'36.571198"
Amghat	F439	747659.136	2443278.932	83°24'0.36317"	22°4'36.508269"
Amghat	F440	747653.034	2443267.491	83°24'0.144144"	22°4'36.139608"
Patch-43					
Kasdol	F441	748807.417	2442520.772	83°24'39.979239"	22°4'11.282528"
Kasdol	F442	748812.286	2442511.762	83°24'40.144018"	22°4'10.987212"
Kasdol	F443	748805.238	2442513.964	83°24'39.899527"	22°4'11.62404"
Kasdol	F444	748792.566	2442548.256	83°24'39.476668"	22°4'12.183231"
Kasdol	F445	748803.124	2442528.716	83°24'39.833975"	22°4'11.542868"
Kasdol	F446	748765.575	2442531.761	83°24'38.526597"	22°4'11.66112"
Kasdol	F447	748753.880	2442517.015	83°24'38.110732"	22°4'11.187946"
Kasdol	F448	748779.813	2442487.522	83°24'38.99857"	22°4'10.216244"
Kasdol	F449	748792.017	2442489.048	83°24'39.42487"	22°4'10.259542"
Kasdol	F450	748816.933	2442459.555	83°24'40.277249"	22°4'9.288361"
Kasdol	F451	748822.018	2442444.809	83°24'40.446389"	22°4'8.806562"
Kasdol	F452	748812.651	2442370.147	83°24'40.78659"	22°4'6.385232"
Kasdol	F453	748717.523	2442546.196	83°24'36.859336"	22°4'12.154864"
Patch-44					
Tamnar	F454	752768.144	2442598.256	83°26'58.102181"	22°4'11.747892"
Tamnar	F455	752762.844	2442591.118	83°26'57.913428"	22°4'11.518708"
Tamnar	F456	752752.659	2442594.590	83°26'57.5603"	22°4'11.636855"
Patch-45					
Padigaon	F457	757056.365	2442001.416	83°29'27.254464"	22°3'50.95965"
Padigaon	F458	757038.631	2442002.846	83°29'26.637095"	22°3'50.151851"

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Padigaon	F459	757035.199	2441995.982	83°29'26.513536"	22°3'49.930617"
Padigaon	F460	757030.909	2441994.838	83°29'26.363324"	22°3'49.895719"
Padigaon	F461	757016.893	2442001.702	83°29'25.878669"	22°3'50.126216"
Padigaon	F462	757006.310	2442011.713	83°29'25.515454"	22°3'50.457125"
Padigaon	F463	757000.018	2442027.445	83°29'25.305058"	22°3'50.971635"
Padigaon	F464	757004.880	2442046.037	83°29'25.485149"	22°3'51.573164"
Padigaon	F465	757006.978	2442066.424	83°29'25.569879"	22°3'52.234506"
Padigaon	F466	757002.718	2442068.377	83°29'25.422486"	22°3'52.300213"
Padigaon	F467	757085.371	2442046.742	83°29'28.291421"	22°3'51.553359"
Padigaon	F468	757086.970	2442041.746	83°29'28.344306"	22°3'51.390167"
Padigaon	F469	757042.922	2442038.600	83°29'26.807021"	22°3'51.311323"
Padigaon	F470	756996.349	2442070.044	83°29'25.201419"	22°3'52.357762"
Padigaon	F471	756993.248	2442059.774	83°29'25.87496"	22°3'52.25709"
Padigaon	F472	756983.643	2442073.369	83°29'24.760398"	22°3'52.472569"
Patch-46					
Khusurlenga	F473	761935.049	2441028.811	83°32'16.75359"	22°3'15.878951"
Khusurlenga	F474	761934.147	2441003.872	83°32'16.707701"	22°3'15.69087"
Khusurlenga	F475	761858.725	2441010.284	83°32'14.82518"	22°3'15.318224"
Khusurlenga	F476	761860.011	2441077.416	83°32'14.166275"	22°3'17.498806"
Khusurlenga	F477	761913.810	2441072.842	83°32'16.38838"	22°3'17.321096"
Khusurlenga	F478	761918.269	2441035.295	83°32'16.172462"	22°3'16.98682"

Table-4: Area Statement of Forest Boundary

जिला	तहसील	(ग्राम)	(खसरा नं)	डी.जी.पी.एस सर्वेक्षण पश्चात रकबा		(मद)
				कुल रकबा(हे०)	प्रभावित रकबा (हे०)	
रायगढ़	खरसिया	बडेदेवगाँव	474	0.474	0.183	छोटे बडे झाड का जंगल
		बडेदेवगाँव	381	0.640	0.302	छोटे बडे झाड का जंगल
		हालाहुली	44	0.252	0.163	छोटे बडे झाड का जंगल
		तेलीकोट	166	0.061	0.012	छोटे झाड का जंगल
		बिन्जकोट	177	4.905	0.184	छोटे बडे झाड का जंगल
		बिन्जकोट	242	2.861	0.339	छोटे बडे झाड का जंगल
		बिन्जकोट	409	18.689	4.569	छोटे बडे झाड का जंगल
		बिन्जकोट	227	1.117	0.187	बडे झाड का जंगल
		बिन्जकोट	289	21.252	0.344	बडे झाड का जंगल
		बिन्जकोट	253	0.227	0.163	बडे झाड का जंगल
		बिन्जकोट	316/2	0.200	0.209	छोटे झाड का जंगल
		मदनपुर	126/2	0.405	0.132	छोटे बडे झाड का जंगल

जिला	तहसील	(ग्राम)	(खसरा नं)	डी.जी.पी.एस सर्वेक्षण पश्चात रकबा		(मद)
				कुल रकबा(हे0)	प्रभावित रकबा (हे0)	
		मदनपुर	126/1	1.178	0.373	छोटे बड़े झाड का जंगल
		बानीपथर	69	0.105	0.163	छोटे झाड का जंगल
		पामगढ़	317	0.749	0.252	छोटे बड़े झाड का जंगल
		पामगढ़	305/1	0.640	0.032	छोटे बड़े झाड का जंगल
		पामगढ़	438/1	0.526	0.526	छोटे बड़े झाड का जंगल
		पामगढ़	501 / 1क	0.522	0.138	छोटे बड़े झाड का जंगल
		पामगढ़	504/1	0.356	0.026	छोटे बड़े झाड का जंगल
		पामगढ़	477	0.134	0.041	छोटे बड़े झाड का जंगल
		चौड़ा	603/1	0.162	0.162	छोटे बड़े झाड का जंगल
		दुसेकेला	287	0.125	0.031	छोटे बड़े झाड का जंगल
		दुसेकेला	649/1	0.660	0.005	छोटे बड़े झाड का जंगल
		आडपथरा	301/1	0.360	0.050	छोटे बड़े झाड का जंगल
		आडपथरा	299	0.275	0.173	छोटे बड़े झाड का जंगल
		बडेडुमरपाली	58	0.061	0.022	छोटे बड़े झाड का जंगल
		झिटीपाली	288	8.450	0.318	बड़े झाड का जंगल
		Total Area (कुल रकबा)		65.386	9.099	
	तमनार	डारआमा	40	7.968	0.580	छोटे झाड का जंगल
		डारआमा	38	0.117	0.076	बड़े झाड का जंगल
		डारआमा	27	0.069	0.047	छोटे झाड का जंगल
		डारआमा	13	2.473	0.018	छोटे झाड का जंगल
		सामारुमा	105	0.405	0.277	बड़े झाड का जंगल
		सामारुमा	103/1	3.947	0.348	बड़े झाड का जंगल
		आमाघाट	312	0.101	0.013	छोटे झाड का जंगल
		आमाघाट	315	0.251	0.230	छोटे झाड का जंगल
		आमाघाट	324/1	234.029	2.203	बड़े झाड का जंगल
		आमाघाट	31/1	19.640	1.264	बड़े झाड का जंगल
		आमाघाट	318	0.125	0.001	छोटे झाड का जंगल
		आमाघाट	518/1	3.304	0.367	छोटे झाड का जंगल
		कसडोल	54	4.619	0.646	छोटे झाड का जंगल
		गदगांव	47	0.255	0.256	छोटे झाड का जंगल
		गदगांव	51	1.582	0.356	छोटे झाड का जंगल
		गदगांव	53	0.182	0.050	बड़े झाड का जंगल

जिला	तहसील	(ग्राम)	(खसरा नं)	डी.जी.पी.एस सर्वेक्षण पश्चात रकबा		(मद)
				कुल रकबा(हे०)	प्रभावित रकबा (हे०)	
		पडिगांव	184/2	0.405	0.007	छोटे झाड का जंगल
		पडिगांव	184/1	0.934	0.315	छोटे झाड का जंगल
		खुरुसलेंगा	523	2.197	0.427	छोटे झाड का जंगल
		हराडीह	16	7.721	0.038	छोटे झाड का जंगल
		हराडीह	17	1.214	0.673	छोटे झाड का जंगल
		हराडीह	18	1.214	0.507	छोटे झाड का जंगल
		हराडीह	19	1.214	0.467	छोटे झाड का जंगल
		तमनार	1214	0.534	0.005	छोटे झाड का जंगल
		पडकीपहरी	71/1	2.526	0.695	बड़े झाड का जंगल
		पडकीपहरी	74/1	6.541	0.814	बड़े झाड का जंगल
		पडकीपहरी	82	21.122	2.135	बड़े झाड का जंगल
		गोढ़ी	535/1	5.147	0.050	छोटे झाड का जंगल
		Total Area (कुल रकबा)		329.836	12.865	

RF/ Compartment No	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Patch-47					
Rabo RF(1185)	RF1	728375.907	2437298.072	83°12'44.982065"	22°1'31.619271"
Rabo RF(1185)	RF2	728353.167	2437306.062	83°12'44.193431"	22°1'31.889653"
Rabo RF(1185)	RF2A	728305.070	2437292.398	83°12'42.510033"	22°1'31.468221"
Rabo RF(1185)	RF2B	728256.973	2437278.734	83°12'40.826638"	22°1'31.46785"
Rabo RF(1185)	RF3	728225.030	2437269.659	83°12'39.708641"	22°1'30.766892"
Rabo RF(1185)	RF4	728190.084	2437268.203	83°12'38.489794"	22°1'30.736012"
Rabo RF(1185)	RF5	728171.883	2437271.115	83°12'37.85683"	22°1'30.839221"
Rabo RF(1185)	RF6	728143.192	2437290.774	83°12'36.866655"	22°1'31.491637"
Rabo RF(1185)	RF6A	728190.658	2437306.489	83°12'38.529114"	22°1'31.980016"
Rabo RF(1185)	RF6B	728238.086	2437322.319	83°12'40.190282"	22°1'32.472184"
Rabo RF(1185)	RF6C	728285.466	2437338.290	83°12'41.849886"	22°1'32.968941"
Rabo RF(1185)	RF6D	728332.847	2437354.261	83°12'43.509492"	22°1'33.465694"
Rabo RF(1185)	RF6E	728380.228	2437370.232	83°12'45.169101"	22°1'33.962442"
Rabo RF(1185)	RF6F	728427.608	2437386.203	83°12'46.828713"	22°1'34.459185"
Rabo RF(1185)	RF6G	728474.989	2437402.174	83°12'48.488328"	22°1'34.955923"
Rabo RF(1185)	RF6H	728522.370	2437418.145	83°12'50.147945"	22°1'35.452656"
Rabo RF(1185)	RF6I	728569.750	2437434.116	83°12'51.807566"	22°1'35.949384"
Rabo RF(1185)	RF7	728620.471	2437450.922	83°12'53.584035"	22°1'36.471666"

RF/ Compartment No	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Rabo RF(1185)	RF8	728693.201	2437451.567	83°12'56.119527"	22°1'36.458343"
Rabo RF(1185)	RF9	728742.923	2437478.559	83°12'57.866329"	22°1'37.312122"
Rabo RF(1185)	RF10	728765.216	2437498.324	83°12'58.653389"	22°1'37.943961"
Rabo RF(1185)	RF10A	728812.733	2437513.885	83°13'0.317564"	22°1'38.427277"
Rabo RF(1185)	RF10B	728860.249	2437529.446	83°13'1.981741"	22°1'38.910588"
Rabo RF(1185)	RF10C	728907.766	2437545.007	83°13'3.645922"	22°1'39.393894"
Rabo RF(1185)	RF10D	728955.283	2437560.568	83°13'5.310105"	22°1'39.877195"
Rabo RF(1185)	RF10E	729002.800	2437576.129	83°13'6.974291"	22°1'40.360491"
Rabo RF(1185)	RF10F	729050.317	2437591.690	83°13'8.63848"	22°1'40.843782"
Rabo RF(1185)	RF10G	729097.834	2437607.251	83°13'10.302672"	22°1'41.327068"
Rabo RF(1185)	RF10H	729145.351	2437622.812	83°13'11.966866"	22°1'41.810349"
Rabo RF(1177)	RF10I	729192.868	2437638.373	83°13'13.631063"	22°1'42.293625"
Rabo RF(1177)	RF10J	729240.384	2437653.934	83°13'15.295263"	22°1'42.776896"
Rabo RF(1177)	RF11	729307.960	2437676.064	83°13'17.66198"	22°1'43.464163"
Rabo RF(1177)	RF11A	729355.669	2437691.024	83°13'19.332599"	22°1'43.927789"
Rabo RF(865P)	RF11B	729403.379	2437705.984	83°13'21.322"	22°1'44.39141"
Rabo RF(865P)	RF11C	729451.088	2437720.944	83°13'22.673845"	22°1'44.855025"
Rabo RF(865P)	RF11D	729498.798	2437735.904	83°13'24.344471"	22°1'45.318636"
Rabo RF(865P)	RF11E	729546.508	2437750.863	83°13'26.15101"	22°1'45.782242"
Rabo RF(865P)	RF11F	729594.217	2437765.823	83°13'27.685733"	22°1'46.245843"
Rabo RF(865P)	RF11G	729641.922	2437780.799	83°13'29.356202"	22°1'46.709955"
Rabo RF(865P)	RF11H	729689.568	2437795.959	83°13'31.24734"	22°1'47.180089"
Rabo RF(865P)	RF11I	729737.214	2437811.119	83°13'32.69327"	22°1'47.650218"
Rabo RF(865P)	RF11J	729784.861	2437826.279	83°13'34.361808"	22°1'48.120342"
Rabo RF(865P)	RF11K	729832.596	2437841.157	83°13'36.33296"	22°1'48.581249"
Rabo RF(865P)	RF11L	729880.346	2437855.985	83°13'37.705312"	22°1'49.40513"
Rabo RF(865P)	RF11M	729928.097	2437870.813	83°13'39.37733"	22°1'49.499772"
Rabo RF(865P)	RF11N	729975.848	2437885.641	83°13'41.49351"	22°1'49.959026"
Rabo RF(865P)	RF11O	730023.599	2437900.469	83°13'42.721374"	22°1'50.418276"
Rabo RF(865P)	RF11P	730071.349	2437915.297	83°13'44.3934"	22°1'50.87752"
Rabo RF(865P)	RF11Q	730119.100	2437930.124	83°13'46.65429"	22°1'51.336759"
Rabo RF(865P)	RF11R	730166.851	2437944.952	83°13'47.73746"	22°1'51.795993"
Rabo RF(865P)	RF11S	730214.602	2437959.780	83°13'49.409494"	22°1'52.255222"
Rabo RF(865P)	RF11T	730262.352	2437974.608	83°13'51.8153"	22°1'52.714446"
Rabo RF(865P)	RF12	730308.755	2437989.017	83°13'52.706353"	22°1'53.160698"
Rabo RF(865P)	RF12A	730319.889	2437958.185	83°13'53.78745"	22°1'52.15338"
Rabo RF(865P)	RF13	730331.535	2437925.935	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13A	730285.224	2437911.554	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13B	730237.473	2437896.726	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13C	730189.722	2437881.898	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13D	730141.971	2437867.071	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13E	730094.221	2437852.243	83°13'53.468262"	22°1'51.99733"

RF/ Compartment No	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Rabo RF(865P)	RF13F	730046.470	2437837.415	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13G	729998.719	2437822.587	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13H	729950.968	2437807.759	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13I	729903.218	2437792.931	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13J	729855.467	2437778.103	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13K	729807.726	2437763.245	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13L	729760.079	2437748.085	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13M	729712.433	2437732.924	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13N	729664.787	2437717.764	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13O	729617.086	2437702.777	83°13'53.468262"	22°1'51.99733"
Rabo RF(865P)	RF13P	729569.376	2437687.817	83°13'53.468262"	22°1'51.99733"
Rabo RF(1177)	RF13Q	729521.667	2437672.858	83°13'53.468262"	22°1'51.99733"
Rabo RF(1177)	RF13R	729473.957	2437657.898	83°13'53.468262"	22°1'51.99733"
Rabo RF(1177)	RF13S	729426.248	2437642.938	83°13'53.468262"	22°1'51.99733"
Rabo RF(1177)	RF13T	729378.538	2437627.978	83°13'53.468262"	22°1'51.99733"
Rabo RF(1177)	RF14	729328.410	2437612.260	83°13'18.342443"	22°1'41.380868"
Rabo RF(1185)	RF14A	729280.893	2437596.699	83°13'16.678245"	22°1'40.897606"
Rabo RF(1185)	RF14B	729233.376	2437581.138	83°13'15.14051"	22°1'40.414338"
Rabo RF(1185)	RF14C	729185.859	2437565.577	83°13'13.349859"	22°1'39.931066"
Rabo RF(1185)	RF14D	729138.342	2437550.016	83°13'11.685671"	22°1'39.447788"
Rabo RF(1185)	RF14E	729090.825	2437534.455	83°13'10.21484"	22°1'38.964506"
Rabo RF(1185)	RF14F	729043.308	2437518.894	83°13'8.357301"	22°1'38.481218"
Rabo RF(1185)	RF14G	728995.791	2437503.333	83°13'6.69312"	22°1'37.997926"
Rabo RF(1185)	RF14H	728948.275	2437487.771	83°13'5.28942"	22°1'37.514628"
Rabo RF(1185)	RF14I	728900.758	2437472.210	83°13'3.364767"	22°1'37.31326"
Rabo RF(1185)	RF14J	728853.241	2437456.649	83°13'1.700594"	22°1'36.548019"
Rabo RF(1185)	RF14K	728805.724	2437441.088	83°13'0.36425"	22°1'36.64706"
Rabo RF(1185)	RF14L	728758.207	2437425.527	83°12'58.372258"	22°1'35.581389"
Rabo RF(1185)	RF14M	728710.690	2437409.966	83°12'56.708093"	22°1'35.98067"
Rabo RF(1185)	RF14N	728663.173	2437394.405	83°12'55.43932"	22°1'34.61474"
Rabo RF(1185)	RF14O	728615.656	2437378.844	83°12'53.379773"	22°1'34.131407"
Rabo RF(1185)	RF14P	728568.263	2437362.911	83°12'51.719738"	22°1'33.63592"
Rabo RF(1185)	RF14Q	728520.883	2437346.940	83°12'50.60125"	22°1'33.139191"
Rabo RF(1185)	RF14R	728473.502	2437330.969	83°12'48.400516"	22°1'32.642457"
Rabo RF(1179)	RF14S	728426.121	2437314.998	83°12'46.740909"	22°1'32.145718"
Patch-48					
Rabo RF(1179)	RF15	732554.910	2438623.413	83°15'11.328083"	22°2'12.705821"
Rabo RF(1179)	RF15A	732507.693	2438606.963	83°15'9.673714"	22°2'12.193874"
Rabo RF(1179)	RF15B	732460.476	2438590.514	83°15'8.19349"	22°2'11.681921"
Rabo RF(1179)	RF15C	732413.260	2438574.064	83°15'6.364986"	22°2'11.169964"
Rabo RF(1179)	RF15D	732366.043	2438557.614	83°15'4.710627"	22°2'10.658002"
Rabo RF(1179)	RF15E	732318.827	2438541.165	83°15'3.5627"	22°2'10.146035"

RF/ Compartment No	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Rabo RF(1179)	RF15F	732271.610	2438524.715	83°15'1.401916"	22°2'9.634063"
Rabo RF(1179)	RF16	732235.744	2438512.220	83°15'0.145259"	22°2'9.245162"
Rabo RF(1179)	RF16A	732195.573	2438535.361	83°14'58.756861"	22°2'10.16476"
Rabo RF(1179)	RF17	732160.306	2438556.888	83°14'57.538558"	22°2'10.732968"
Rabo RF(1179)	RF17A	732207.523	2438573.337	83°14'59.192912"	22°2'11.244951"
Rabo RF(1179)	RF17B	732254.739	2438589.787	83°15'0.84727"	22°2'11.756929"
Rabo RF(1179)	RF17C	732301.956	2438606.237	83°15'2.50163"	22°2'12.268902"
Rabo RF(1179)	RF17D	732349.172	2438622.686	83°15'4.155994"	22°2'12.78087"
Rabo RF(1179)	RF17E	732396.389	2438639.136	83°15'5.81036"	22°2'13.292833"
Rabo RF(1179)	RF17F	732443.606	2438655.586	83°15'7.464729"	22°2'13.804791"
Rabo RF(1179)	RF17G	732490.822	2438672.035	83°15'9.119101"	22°2'14.316745"
Rabo RF(1179)	RF18	732534.598	2438687.286	83°15'10.652914"	22°2'14.791385"
Rabo RF(1179)	RF18A	732582.643	2438701.130	83°15'12.334839"	22°2'15.218236"
Rabo RF(1179)	RF18B	732630.689	2438714.973	83°15'14.16766"	22°2'15.645082"
Rabo RF(1179)	RF18C	732678.734	2438728.817	83°15'15.698696"	22°2'16.71923"
Rabo RF(1181)	RF18D	732726.779	2438742.661	83°15'17.380628"	22°2'16.498759"
Rabo RF(1181)	RF19	732782.525	2438758.723	83°15'19.332139"	22°2'16.994"
Rabo RF(1181)	RF19A	732830.112	2438774.068	83°15'20.998875"	22°2'17.469844"
Rabo RF(1181)	RF19B	732877.699	2438789.413	83°15'22.665613"	22°2'17.945682"
Rabo RF(1181)	RF19C	732925.286	2438804.758	83°15'24.332354"	22°2'18.421515"
Rabo RF(1181)	RF19D	732972.873	2438820.103	83°15'25.999097"	22°2'18.897343"
Rabo RF(1181)	RF19E	733020.461	2438835.449	83°15'27.665843"	22°2'19.373166"
Rabo RF(1181)	RF19F	733068.048	2438850.794	83°15'29.332592"	22°2'19.848984"
Rabo RF(1181)	RF19G	733115.635	2438866.139	83°15'30.999344"	22°2'20.324798"
Rabo RF(1181)	RF19H	733163.222	2438881.484	83°15'32.666098"	22°2'20.800606"
Rabo RF(1181)	RF19I	733210.953	2438896.373	83°15'34.337649"	22°2'21.26153"
Rabo RF(1181)	RF19J	733258.701	2438911.209	83°15'36.9763"	22°2'21.720707"
Rabo RF(1181)	RF19K	733306.449	2438926.045	83°15'37.68188"	22°2'22.179879"
Rabo RF(1181)	RF19L	733354.198	2438940.881	83°15'39.354"	22°2'22.639046"
Rabo RF(1181)	RF19M	733401.946	2438955.717	83°15'41.26122"	22°2'23.98208"
Rabo RF(1181)	RF19N	733449.694	2438970.553	83°15'42.698246"	22°2'23.557365"
Rabo RF(1181)	RF19O	733497.442	2438985.390	83°15'44.370374"	22°2'24.16517"
Rabo RF(1181)	RF20	733559.929	2439004.805	83°15'46.558632"	22°2'24.617386"
Rabo RF(1181)	RF20A	733607.622	2439019.815	83°15'48.228957"	22°2'25.82213"
Rabo RF(1181)	RF20B	733655.316	2439034.825	83°15'49.899284"	22°2'25.547035"
Rabo RF(1181)	RF20C	733703.010	2439049.836	83°15'51.569614"	22°2'26.11851"
Rabo RF(1181)	RF20D	733750.704	2439064.846	83°15'53.239947"	22°2'26.476663"
Rabo RF(1181)	RF20E	733798.397	2439079.856	83°15'54.910282"	22°2'26.94147"
Rabo RF(1182)	RF20F	733846.056	2439094.977	83°15'56.579442"	22°2'27.409883"
Rabo RF(1182)	RF20G	733893.594	2439110.473	83°15'58.244611"	22°2'27.890538"
Rabo RF(1182)	RF20H	733941.132	2439125.969	83°15'59.909782"	22°2'28.371188"
Rabo RF(1182)	RF20I	733988.670	2439141.464	83°16'1.574956"	22°2'28.851833"

RF/ Compartment No	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Rabo RF(1182)	RF20J	734036.208	2439156.960	83°16'3.240133"	22°2'29.332473"
Rabo RF(1182)	RF21	734081.341	2439171.672	83°16'4.821046"	22°2'29.788786"
Rabo RF(1182)	RF21A	734118.255	2439205.396	83°16'6.125336"	22°2'30.866948"
Rabo RF(1182)	RF21B	734155.170	2439239.121	83°16'7.429631"	22°2'31.945106"
Rabo RF(1182)	RF22	734198.948	2439279.116	83°16'8.976463"	22°2'33.223741"
Rabo RF(1182)	RF22A	734222.138	2439265.504	83°16'9.77779"	22°2'32.770182"
Rabo RF(1182)	RF23	734253.650	2439238.339	83°16'10.862184"	22°2'31.872121"
Rabo RF(1182)	RF23A	734216.735	2439204.615	83°16'9.557882"	22°2'30.793971"
Rabo RF(1182)	RF23B	734179.821	2439170.891	83°16'8.253586"	22°2'29.715817"
Rabo RF(1182)	RF23C	734142.906	2439137.166	83°16'6.949295"	22°2'28.63766"
Rabo RF(1181)	RF24	734115.855	2439112.453	83°16'5.993491"	22°2'27.847565"
Rabo RF(1182)	RF24A	734068.317	2439096.957	83°16'4.328317"	22°2'27.366932"
Rabo RF(1182)	RF24B	734020.778	2439081.461	83°16'2.663146"	22°2'26.886295"
Rabo RF(1182)	RF24C	733973.240	2439065.965	83°16'0.997978"	22°2'26.405652"
Rabo RF(1182)	RF24D	733925.702	2439050.469	83°15'59.332812"	22°2'25.925005"
Rabo RF(1182)	RF24E	733878.164	2439034.973	83°15'57.667649"	22°2'25.444352"
Rabo RF(1181)	RF24F	733852.658	2439026.693	83°15'56.774254"	22°2'25.187566"
Rabo RF(1181)	RF24G	733804.964	2439011.683	83°15'55.103924"	22°2'24.722764"
Rabo RF(1181)	RF24H	733757.271	2438996.673	83°15'53.433596"	22°2'24.257957"
Rabo RF(1181)	RF24I	733709.577	2438981.663	83°15'51.763271"	22°2'23.793145"
Rabo RF(1181)	RF24J	733661.883	2438966.652	83°15'50.92948"	22°2'23.328328"
Rabo RF(1182)	RF24K	733614.189	2438951.642	83°15'48.422628"	22°2'22.863506"
Rabo RF(1181)	RF25	733579.926	2438940.859	83°15'47.222655"	22°2'22.52957"
Rabo RF(1181)	RF25A	733532.178	2438926.023	83°15'45.550531"	22°2'22.70426"
Rabo RF(1181)	RF25B	733484.429	2438911.187	83°15'43.87841"	22°2'21.611277"
Rabo RF(1181)	RF25C	733436.681	2438896.350	83°15'42.206291"	22°2'21.152123"
Rabo RF(1181)	RF25D	733388.933	2438881.514	83°15'40.534175"	22°2'20.692963"
Rabo RF(1181)	RF25E	733341.185	2438866.678	83°15'38.862061"	22°2'20.233799"
Rabo RF(1181)	RF25F	733293.437	2438851.842	83°15'37.18995"	22°2'19.77463"
Rabo RF(1181)	RF25G	733245.688	2438837.006	83°15'35.517841"	22°2'19.315456"
Rabo RF(1181)	RF25H	733197.940	2438822.170	83°15'33.845735"	22°2'18.856276"
Rabo RF(1181)	RF25I	733150.321	2438806.927	83°15'32.17792"	22°2'18.383781"
Rabo RF(1181)	RF25J	733102.734	2438791.581	83°15'30.511174"	22°2'17.907971"
Rabo RF(1181)	RF25K	733055.147	2438776.236	83°15'28.844431"	22°2'17.432156"
Rabo RF(1181)	RF25L	733007.560	2438760.891	83°15'27.177691"	22°2'16.956335"
Rabo RF(1181)	RF25M	732959.973	2438745.546	83°15'25.510953"	22°2'16.48051"
Rabo RF(1181)	RF25N	732912.386	2438730.201	83°15'23.844218"	22°2'16.468"
Rabo RF(1181)	RF25O	732864.799	2438714.856	83°15'22.177485"	22°2'15.528845"
Rabo RF(1181)	RF26	732802.087	2438694.634	83°15'19.981004"	22°2'14.901763"
Rabo RF(1179)	RF26A	732754.041	2438680.790	83°15'18.299076"	22°2'14.474934"
Rabo RF(1179)	RF26B	732705.996	2438666.946	83°15'16.61715"	22°2'14.481"
Rabo RF(1179)	RF26C	732657.950	2438653.103	83°15'14.935226"	22°2'13.621261"

RF/ Compartment No	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Rabo RF(1260)	RF26D	732609.905	2438639.259	83°15'13.253305"	22°2'13.194418"
Patch-49					
PF(1260)	RF27	735383.498	2440335.710	83°16'50.819855"	22°3'6.987387"
PF(1260)	RF27A	735420.662	2440369.158	83°16'52.132917"	22°3'8.56337"
PF(1260)	RF27B	735457.827	2440402.606	83°16'53.445983"	22°3'9.125283"
PF(1260)	RF27C	735494.992	2440436.054	83°16'54.759055"	22°3'10.194226"
PF(1260)	RF27D	735530.906	2440470.818	83°16'56.29217"	22°3'11.306508"
PF(1260)	RF27E	735566.172	2440506.261	83°16'57.27717"	22°3'12.441221"
PF(1260)	RF27F	735601.439	2440541.705	83°16'58.525128"	22°3'13.575931"
PF(1260)	RF27G	735636.706	2440577.149	83°16'59.773092"	22°3'14.710638"
PF(1260)	RF27H	735671.972	2440612.593	83°17'1.21062"	22°3'15.845342"
PF(1260)	RF27I	735707.239	2440648.037	83°17'2.269037"	22°3'16.980042"
PF(1260)	RF27J	735742.506	2440683.481	83°17'3.517018"	22°3'18.114739"
PF(1260)	RF27K	735777.772	2440718.925	83°17'4.765004"	22°3'19.249433"
PF(1260)	RF27L	735813.532	2440753.868	83°17'6.2994"	22°3'20.367636"
PF(1260)	RF27M	735849.432	2440788.671	83°17'7.299675"	22°3'21.48117"
PF(1260)	RF28	735870.976	2440809.556	83°17'8.61657"	22°3'22.149409"
PF(1260)	RF29	735885.955	2440796.667	83°17'8.57713"	22°3'21.723245"
PF(1260)	RF30	735886.731	2440731.514	83°17'8.570126"	22°3'19.605501"
PF(1260)	RF30A	735850.831	2440696.711	83°17'7.300393"	22°3'18.49197"
PF(1260)	RF30B	735815.243	2440661.593	83°17'6.41376"	22°3'17.368013"
PF(1260)	RF30C	735779.976	2440626.149	83°17'4.793393"	22°3'16.233321"
PF(1260)	RF30D	735744.710	2440590.705	83°17'3.545414"	22°3'15.98626"
PF(1260)	RF30E	735709.443	2440555.261	83°17'2.297442"	22°3'13.963928"
PF(1260)	RF30F	735674.176	2440519.818	83°17'1.49474"	22°3'12.829227"
PF(1260)	RF30G	735638.910	2440484.374	83°16'59.801512"	22°3'11.694523"
PF(1260)	RF30H	735603.643	2440448.930	83°16'58.553556"	22°3'10.559816"
PF(1260)	RF31	735575.173	2440420.316	83°16'57.546092"	22°3'9.64377"
PF(1260)	RF31A	735529.431	2440400.125	83°16'55.940912"	22°3'9.9849"
PF(1260)	RF31B	735483.689	2440379.935	83°16'54.335737"	22°3'8.375922"
PF(1260)	RF31C	735437.947	2440359.744	83°16'52.730564"	22°3'7.741992"
Patch-50					
Taraimal RF(842P)	RF32	747189.627	2443367.153	83°23'44.42215"	22°4'39.61519"
Taraimal RF(842P)	RF32A	747141.040	2443378.955	83°23'42.354688"	22°4'40.23525"
Taraimal RF(842P)	RF32B	747092.453	2443390.757	83°23'40.667158"	22°4'40.431855"
Taraimal RF(842P)	RF32C	747043.864	2443402.552	83°23'38.979566"	22°4'40.839967"
Taraimal RF(842P)	RF32D	746995.273	2443414.338	83°23'37.291879"	22°4'41.247746"
Taraimal RF(842P)	RF32E	746946.681	2443426.123	83°23'35.604189"	22°4'41.65552"
Taraimal RF(842P)	RF32F	746898.090	2443437.908	83°23'33.916495"	22°4'42.6329"
Taraimal RF(842P)	RF32G	746849.499	2443449.693	83°23'32.228799"	22°4'42.471055"
Taraimal RF(842P)	RF32H	746800.908	2443461.478	83°23'30.541099"	22°4'42.878816"
Taraimal RF(842P)	RF32I	746752.316	2443473.263	83°23'28.853397"	22°4'43.286572"

RF/ Compartment No	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
Taraimal RF(842P)	RF32J	746703.726	2443485.052	83°23'27.165718"	22°4'43.694423"
Taraimal RF(842P)	RF33	746659.339	2443495.841	83°23'25.624058"	22°4'44.67647"
Taraimal RF(842P)	RF33A	746702.763	2443519.767	83°23'27.151134"	22°4'44.822998"
Taraimal RF(842P)	RF34	746746.186	2443543.693	83°23'28.678213"	22°4'45.578344"
Taraimal RF(842P)	RF34A	746794.778	2443531.908	83°23'30.365924"	22°4'45.170588"
Taraimal RF(842P)	RF34B	746843.369	2443520.122	83°23'32.53631"	22°4'44.762827"
Taraimal RF(842P)	RF34C	746891.960	2443508.337	83°23'33.741335"	22°4'44.355062"
Taraimal RF(842P)	RF34D	746940.551	2443496.552	83°23'35.429036"	22°4'43.947292"
Taraimal RF(842P)	RF34E	746989.143	2443484.767	83°23'37.116733"	22°4'43.539517"
Taraimal RF(842P)	RF34F	747037.734	2443472.982	83°23'38.804428"	22°4'43.131738"
Taraimal RF(842P)	RF34G	747086.324	2443461.194	83°23'40.492096"	22°4'42.723871"
Taraimal RF(842P)	RF34H	747134.912	2443449.392	83°23'42.179633"	22°4'42.31554"
Taraimal RF(842P)	RF35	747182.100	2443437.634	83°23'43.818421"	22°4'41.909364"
Taraimal RF(842P)	RF35A	747185.864	2443402.394	83°23'43.930318"	22°4'40.762277"

RF Name	Compartment No	DGPS Area (Hectare)	Approach Road(Ha)	Range
Rabo RF	1177	1.496	0.05	Kharsia
Rabo RF	1179	3.898	0.10	Kharsia
Rabo RF	1181	7.749	0.15	Kharsia
Rabo RF	1182	2.896	0.05	Kharsia
Rabo RF	1185	7.041	0.15	Kharsia
PF	1260	3.788	0.20	Gharghoda
Taraimal RF	842P	3.331	0.15	Tamnar
Rabo RF	865P	6.016	0.15	Raigarh
Total Area		36.215	1.00	37.215

Approach Road:- The Forest Land diversion for temporary approach road in forest area to reach Tower locations has been approximately taken as 1 hectare for movement of Stringing equipment due to significant undulation in the above said terrain.

The forest boundary map is placed at *Plate-1 to Plate-13*. The Geo-referenced forest boundary superimposed on Sol Topo sheet, High Resolution Satellites Image, Management Map & Compartment Map are enclosed at Plate-14 to Plate-21 respectively.

6. SPECIFICATION OF DGPS EQUIPMENT & SOFTWARE

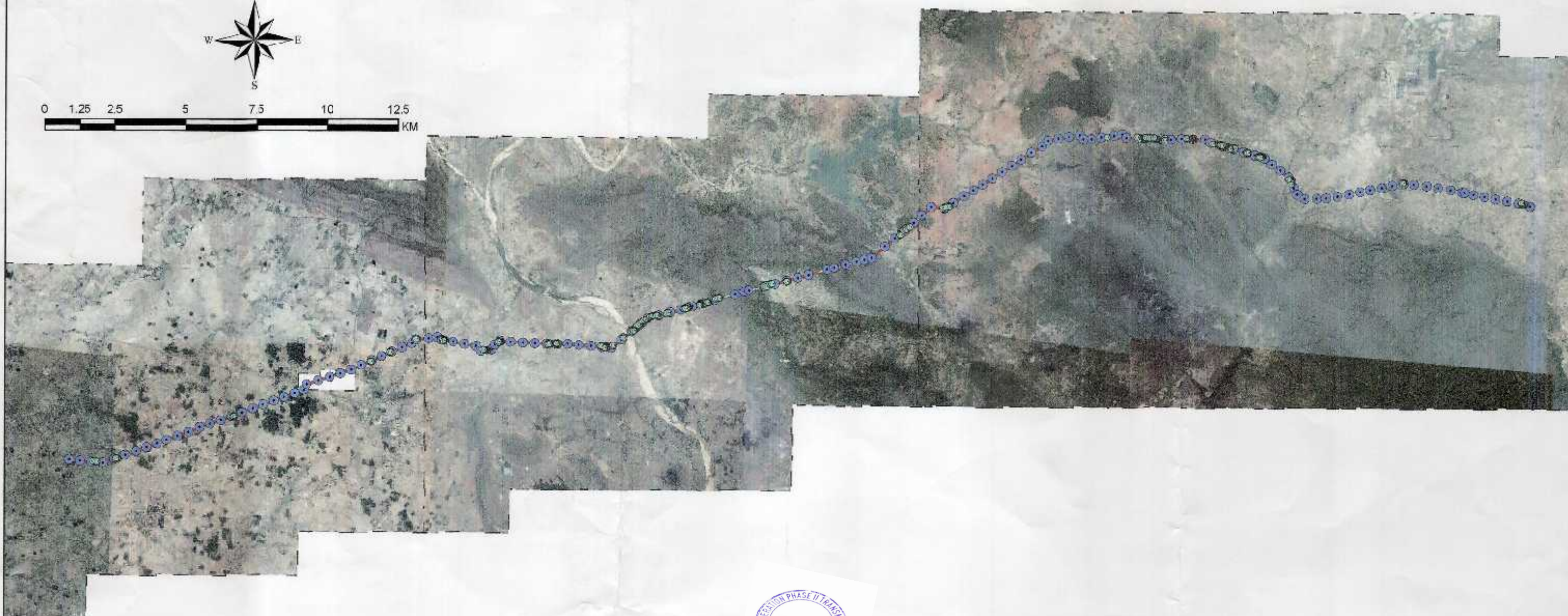
SPARC deployed advanced and hi-precision devices to carry out the DGPS survey. The DGPS performance specifications are given below. The corresponding fact sheets are enclosed as Annexure-8. for ready reference.



FOREST BOUNDARY SUPERIMPOSED ON
HIGH RESOLUTION SATELLITE IMAGE,
765KV D/C JHARSUGUDA (SUNDARGARH- RAIPUR)
TRANSMISSION LINE OF ODISHA GENERATION PHASE-II
TRANSMISSION LIMITED (OGPTL) RAIPUR FOREST DIVISION,
DISTRICT: RAIPUR, CHHATISGARH

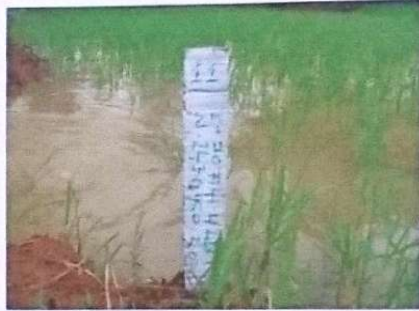


0 1.25 2.5 5 7.5 10 12.5
KM

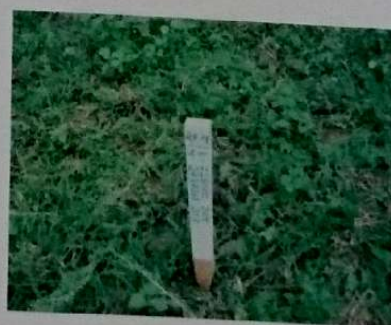
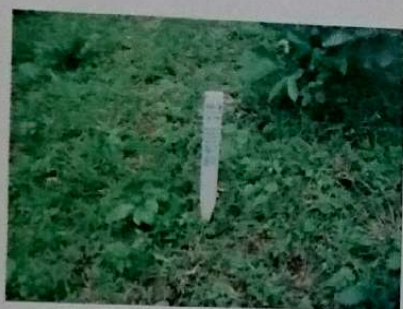
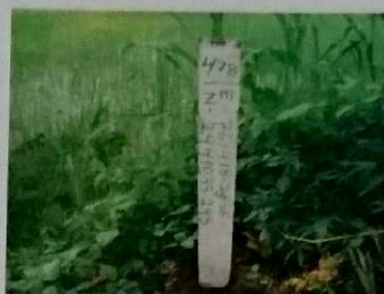
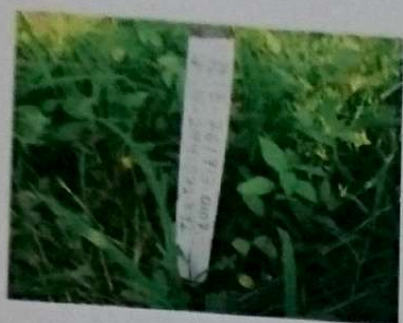


Legend

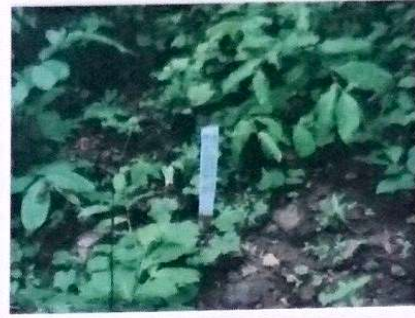
- Forest Pillar
- AP
- - - Center line
- Transmission Line
- Forest Boundary



8/30/2016







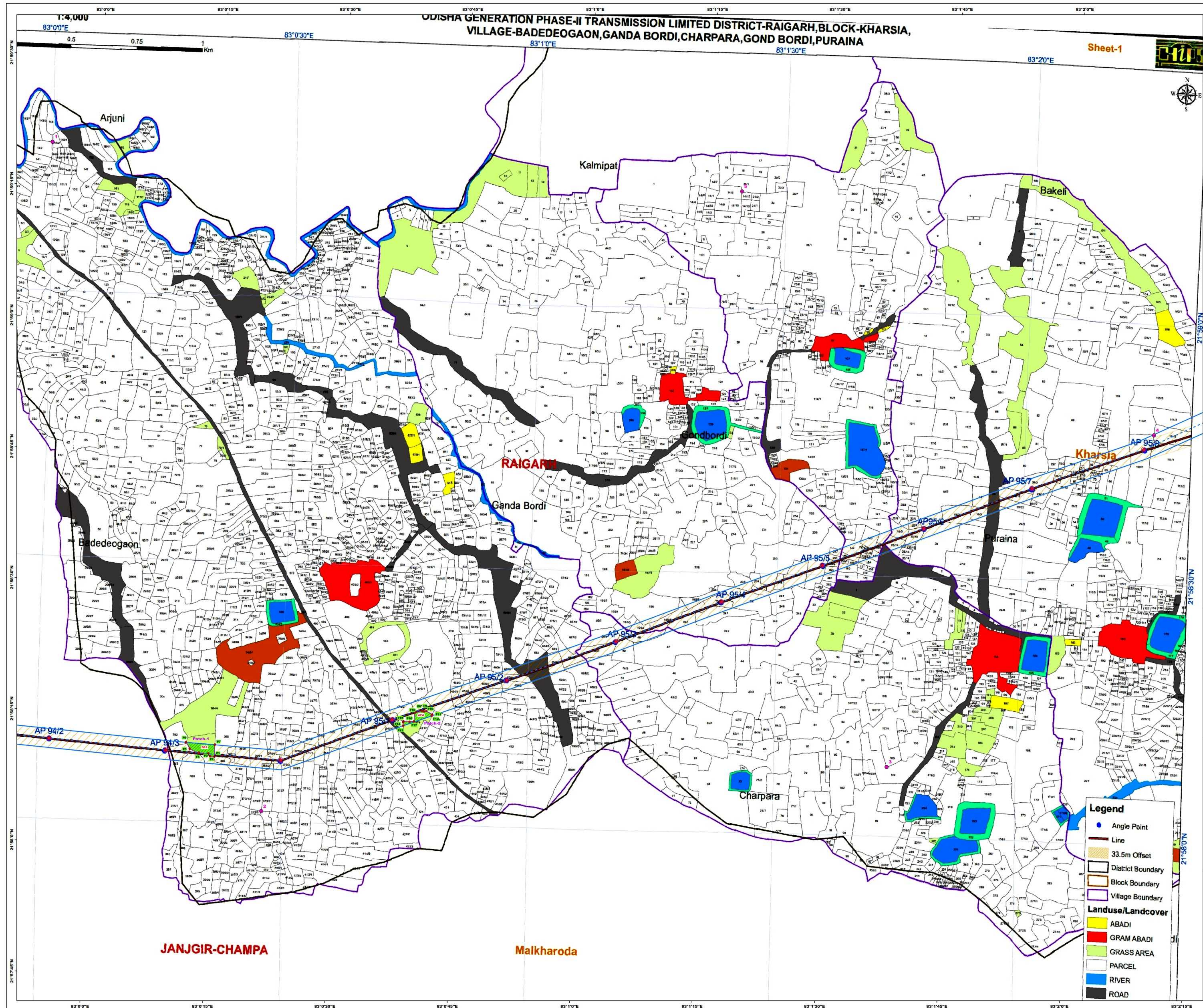


8/30/2016



8/30/2016





Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Badeodeogaon, Tahasil-Khamria, Raigarh Forest Division, District-Raigarh, Chhatisgarh

Scale: 1:4,000

LEGEND

- Observation Point
- AP Point
- Forest Plot
- Patch Boundary
- Centre Line
- Alignment Boundary

CO-ORDINATES OF SCIP/DGPS OBSERVATION POINT

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Easting	Northing
1	82°59'54.415091"	21°59'19.896867"	706327.97616	2432941.6213
2	83°0'22.119948"	21°58'3.979255"	707153.36956	2430616.8232
3	83°1'38.605763"	21°58'10.909807"	709345.06333	2430858.915
4	83°2'10.307785"	21°58'49.517215"	710238.80285	2432061.6307
5	83°1'19.77501"	21°59'16.267186"	708758.20378	2432861.8915

CO-ORDINATES OF FOREST PILLAR

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastings	Northing	Longitude	Latitude
Badeodeogaon	F1	706980.776	2430802.802	83°0'16.190372"	21°58'10.97884"
	F2	706966.357	2430803.181	83°0'15.688074"	21°58'10.116355"
	F3	706959.337	2430812.477	83°0'15.447692"	21°58'10.42152"
	F4	706926.325	2430814.185	83°0'14.298077"	21°58'10.491069"
	F5	706893.893	2430826.897	83°0'13.166703"	21°58'10.918135"
	F6	706879.447	2430849.140	83°0'12.680431"	21°58'11.647227"
	F7	706981.738	2430844.202	83°0'16.242796"	21°58'11.443187"
Badeodeogaon	F8	707705.138	2430991.828	83°0'41.519279"	21°58'15.933257"
	F9	707710.830	2430989.979	83°0'41.716777"	21°58'15.870699"
	F10	707720.506	2430991.544	83°0'42.54668"	21°58'15.97442"
	F11	707741.423	2430980.303	83°0'42.77845"	21°58'15.54312"
	F12	707740.049	2430975.494	83°0'42.72837"	21°58'15.387405"
	F13	707640.589	2430936.971	83°0'39.24477"	21°58'14.177714"
	F14	707639.826	2430949.852	83°0'39.224053"	21°58'14.59673"
	F15	707640.964	2430952.555	83°0'39.25496"	21°58'14.684122"
	F16	707662.593	2430952.271	83°0'40.18539"	21°58'14.665636"
	F17	707677.676	2430954.548	83°0'40.545195"	21°58'14.733197"
	F18	707679.099	2430982.722	83°0'40.607681"	21°58'15.648369"

Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Badeodeogaon	Patch-1	381	0.64	0.302	Chhotte Bade jhar ki Jungle
Badeodeogaon	Patch-2	474	0.474	0.183	Chhotte Bade jhar ki Jungle
Total Area			1.114	0.485	

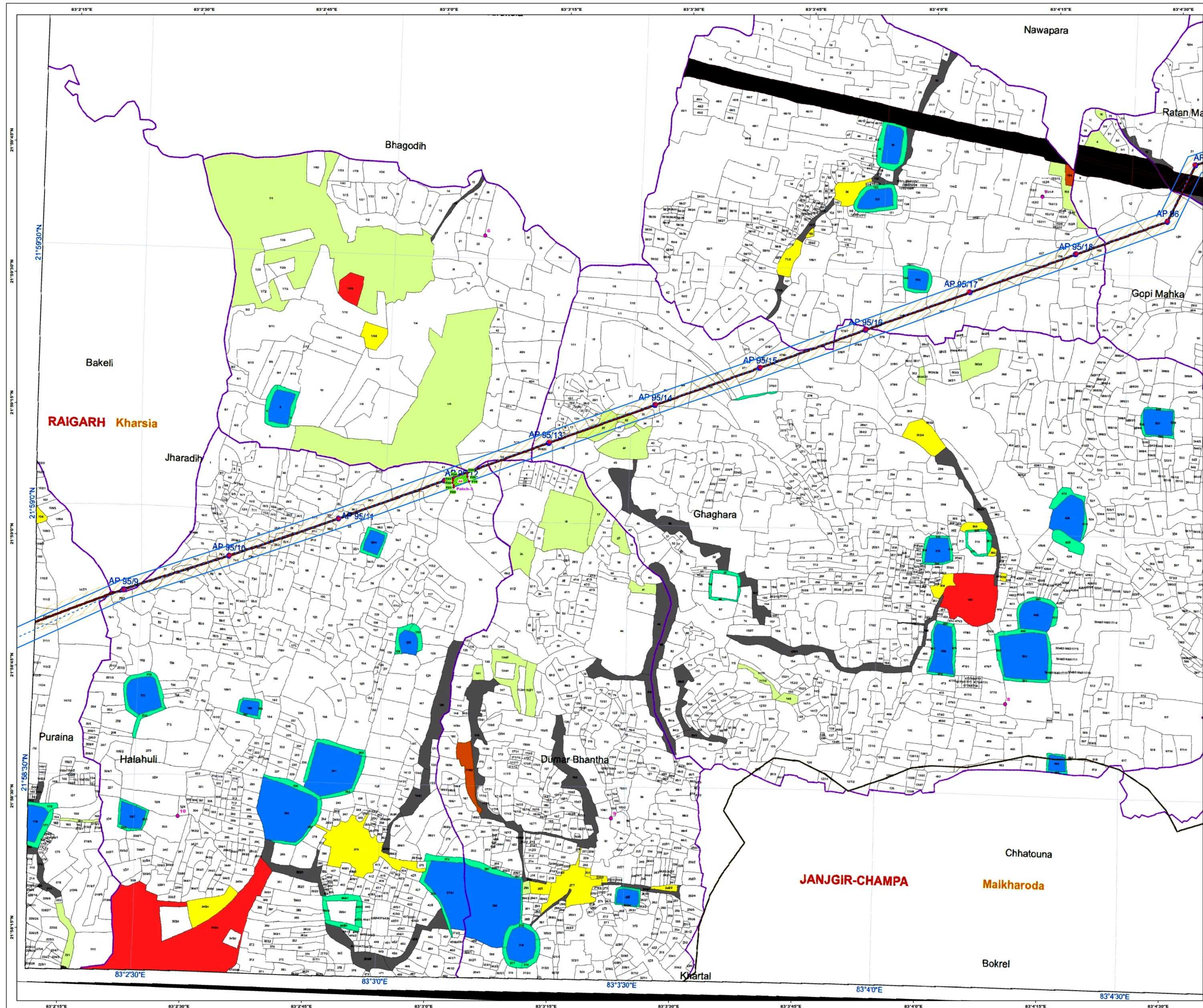
Legend

- Angle Point
- Line
- 33.5m Offset
- District Boundary
- Block Boundary
- Village Boundary
- Landuse/Landcover
 - ABADI
 - GRAM ABADI
 - GRASS AREA
 - PARCEL
 - RIVER
 - ROAD
- Patch Boundary

Map Information:

Spatial Planning & Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024 (INDIA)
Cell: 9467460230, 302, 303, Fax: 0674-6829304

DGPS Survey Conducted and Map Prepared by:-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024.



Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Halahuli, Tahasil-Kharsiya, Raigarh Forest Division, District-Raigarh, Chhatisgarh

Scale: 1:4,000

LEGEND

- Observation Point
- AP Point
- Forest Plot
- Patch Boundary
- Forest Pillar
- Centre Line
- Alignment Boundary

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastg	Northg
6	83°3'5.627813"	21°59'35.460753"	711807.00338	2433492.9936
7	83°4'13.794877"	21°59'41.509109"	713760.0108	2433705.3999
8	83°4'10.815291"	21°58'43.417176"	713698.7126	2431917.3003
9	83°3'22.881995"	21°58'29.211415"	712329.36799	2431461.7554
10	83°2'29.774703"	21°58'28.209771"	710806.08723	2431410.576

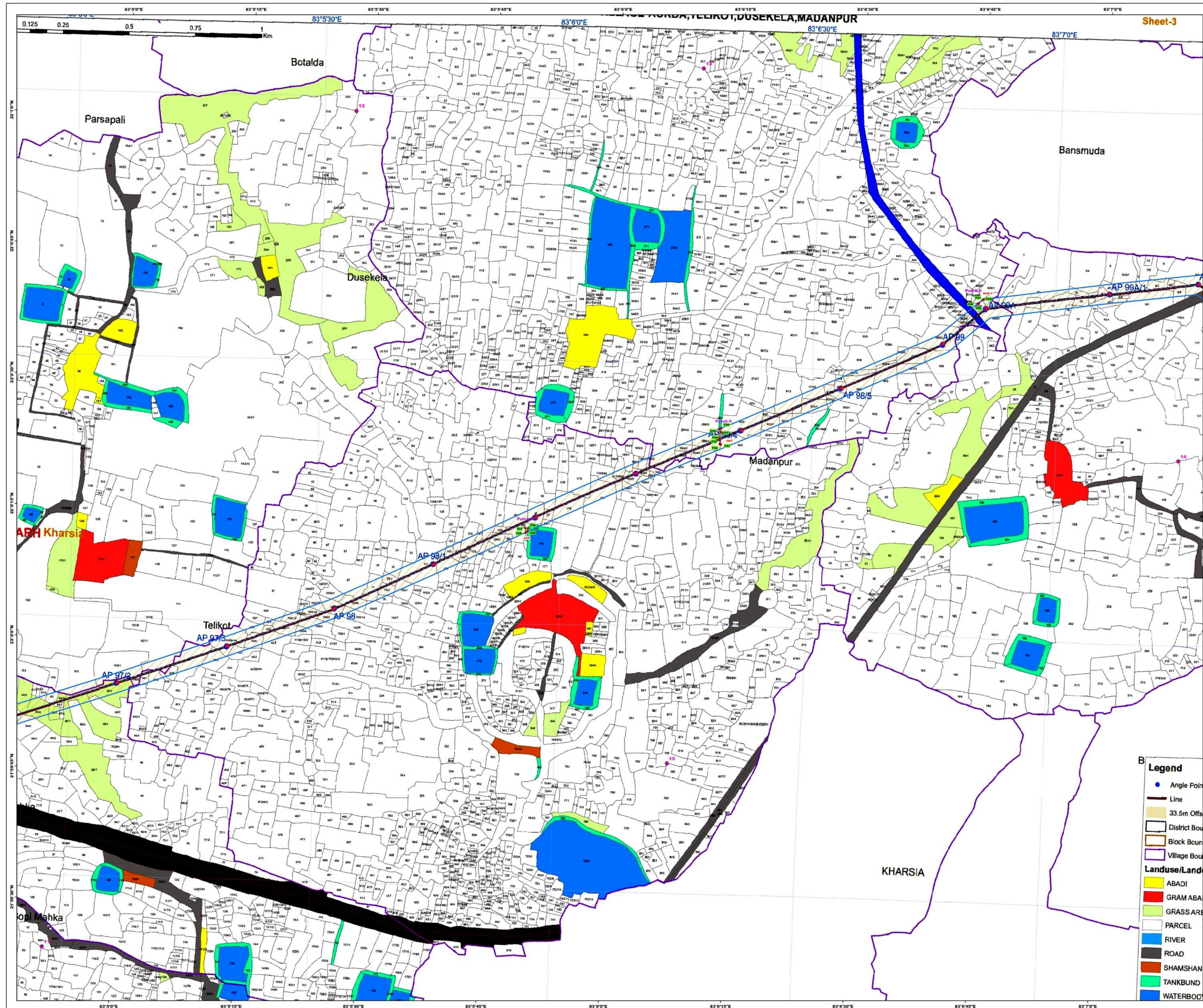
Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastg	Northg	Longitude	Latitude
Halahuli	F19	711784.279	2432026.524	83°3'4.430824"	21°59'7.307338"
	F20	711731.197	2432604.595	83°3'2.57065"	21°59'6.617683"
	F21	711730.849	2432610.393	83°3'2.561235"	21°59'6.806295"
	F22	711726.241	2432619.993	83°3'2.405129"	21°59'7.120335"
	F23	711727.969	2432628.249	83°3'2.469207"	21°59'7.38793"
	F24	711728.353	2432635.545	83°3'2.485998"	21°59'7.624907"
	F25	711776.161	2432654.745	83°3'4.161101"	21°59'8.228139"
Halahuli	F26	711778.081	2432643.417	83°3'4.22272"	21°59'7.859104"

Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Halahuli	Patch-3	44	0.252	0.163	Chhote Bade Jhar Ki Jungle
Total Area			0.252	0.163	

Spatial Planning And Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024 (INDIA)
Cell: 9439023301, 302, 303, Fax: 0674-6829304

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024.



Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line Of Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Telikot & Dusekela, Tahasil-Kharsiya, Raigarh Forest Division, District-Raigarh, Chhatisgarh

Scale: 1:4,000

LEGEND

- Observation Point
- AP Point
- Forest Plot
- Patch Boundary
- Centre Line
- Alignment Boundary

CO-ORDINATES OF SC/DGPS OBSERVATION POINT

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastgr	Northing
11	83°4'52.132114"	21°59'24.387051"	714866.96331	2433193.6417
12	83°5'28.80418"	22°1'0.851686"	715857.66196	2436175.0523
13	83°6'10.522506"	22°1'6.705539"	717072.5479	2436371.8343
14	83°7'9.907682"	22°0'23.171644"	718794.4577	2435056.2122
15	83°6'8.169321"	21°59'47.167161"	717038.70786	2433924.2153

CO-ORDINATES OF FOREST PILLAR

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastgr	Northing	Longitude	Latitude
Telikot	F27	716517.197	2434719.857	83°5'50.373899"	22°0'13.269319"
	F28	716510.083	2434716.243	83°5'50.124207"	22°0'13.146039"
	F29	716508.412	2434732.340	83°5'50.73671"	22°0'13.669974"
	F30	716517.969	2434732.340	83°5'50.406782"	22°0'13.665712"
Dusekela	F31	717183.880	2435052.029	83°6'13.76985"	22°0'23.758915"
	F32	717180.475	2435005.731	83°6'13.651986"	22°0'23.815774"
	F33	717179.794	2435070.075	83°6'13.636092"	22°0'24.347301"
	F34	717177.070	2435076.545	83°6'13.544251"	22°0'24.558795"
	F35	717176.275	2435106.758	83°6'13.531034"	22°0'25.541136"
	F36	717183.765	2435110.117	83°6'13.791615"	22°0'25.646991"
	F37	717183.199	2435095.953	83°6'13.767189"	22°0'25.186878"
Dusekela	F38	718088.395	2435599.311	83°6'45.559991"	22°0'41.141258"
	F39	718071.315	2435583.180	83°6'44.956891"	22°0'40.624643"
	F40	718068.153	2435583.851	83°6'44.946994"	22°0'40.647866"
	F41	718065.191	2435598.799	83°6'45.448084"	22°0'41.126079"

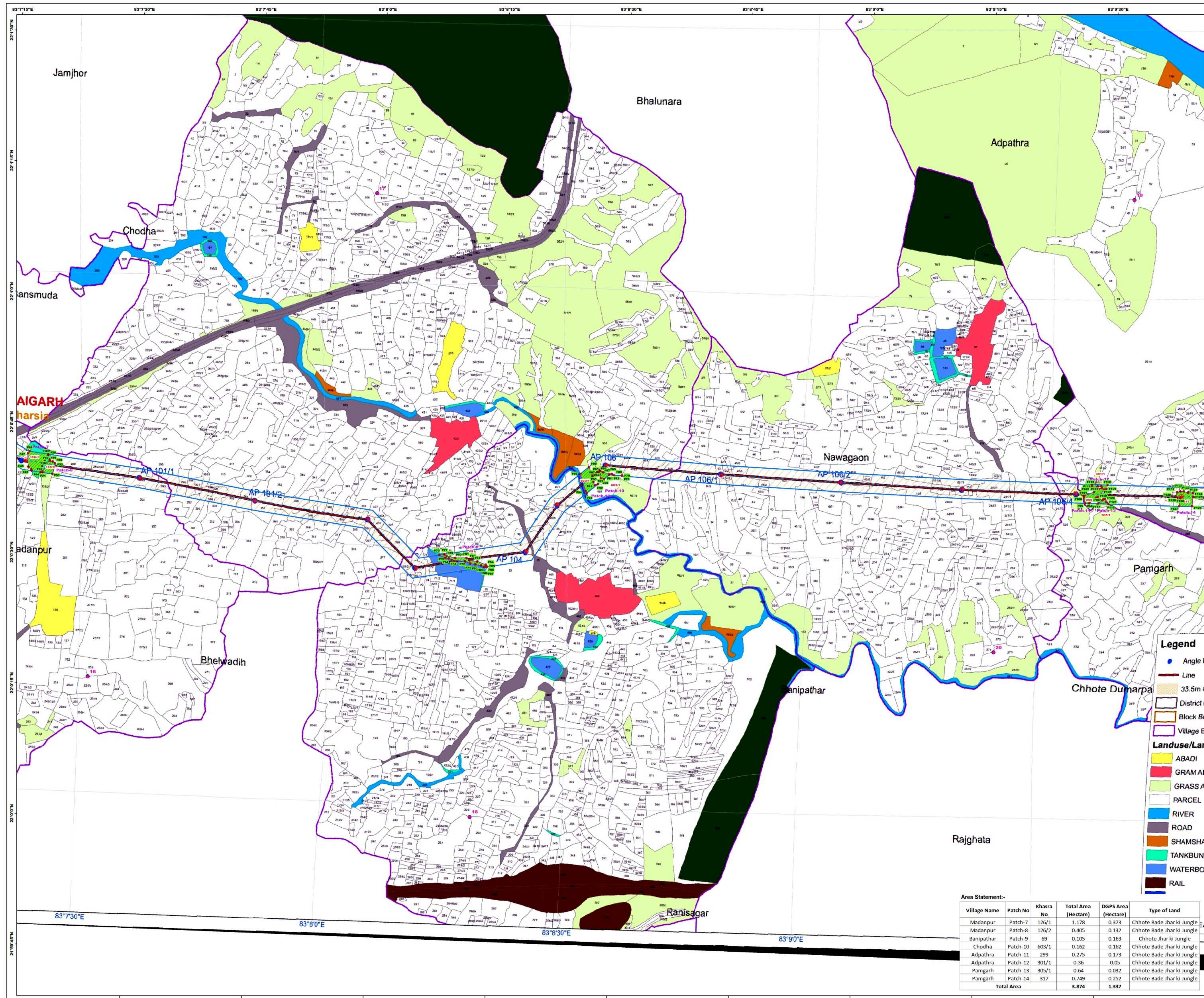
Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Telikot	Patch-4	166	0.061	0.012	Chhote Bade Jhar ki Jungle
Dusekela	Patch-5	287	0.125	0.031	Chhote Bade Jhar ki Jungle
Dusekela	Patch-6	649/1	0.66	0.005	Chhote Bade Jhar ki Jungle
Total Area			0.846	0.048	

Legend

- Angle Point
- Line
- 33.5m Offs
- District Bou
- Block Boun
- Village Bou
- Landuse/Land
- ABADI
- GRAM ABA
- GRASSARE
- PARCEL
- RIVER
- ROAD
- SHAMSHAN
- TANKBUND
- WATERBODY

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.



Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Madanpur, Banipadar, Chodha, Adpathra & Pamgarh, Tahasil-Kharsiya, Raigarh Forest Division, District-Raigarh, Chhatisgarh

Scale: 1:4,000

Legend

● Observation Point

● AP Point

■ Forest Plot

— Patch Boundary

— Centre Line

— Alignment Boundary

CO-ORDINATES OF SCIP/DGPS OBSERVATION POINT

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastg	Northing
16	83°7'25.541006"	22°0'15.914136"	719246.00796	2434839.186
17	83°7'59.707349"	22°1'12.274441"	720201.89626	2435086.4744
18	83°8'13.45992"	22°0'0.905566"	720615.18667	2434396.4916
19	83°9'33.81434"	22°1'13.681218"	722879.53036	2436667.4743
20	83°9'17.92593"	22°0'21.310591"	722443.64151	2435049.9779

CO-ORDINATES OF FOREST PILLAR

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastg	Northing	Longitude	Latitude
Patch-7					
Madanpur	F42	719054.730	2435561.920	83°7'19.224039"	22°0'39.49077"
Madanpur	F43	719051.698	2435555.050	83°7'19.111868"	22°0'39.268887"
Madanpur	F44	719019.442	2435558.808	83°7'17.992543"	22°0'39.405522"
Madanpur	F45	719018.587	2435563.328	83°7'17.964923"	22°0'39.552851"
Madanpur	F46	719007.321	2435572.716	83°7'17.576802"	22°0'39.863062"
Madanpur	F47	719004.505	2435619.656	83°7'17.501352"	22°0'41.389988"
Madanpur	F48	719010.265	2435627.336	83°7'17.705941"	22°0'41.636997"
Madanpur	F49	719076.641	2435619.581	83°7'20.15642"	22°0'41.354971"
Madanpur	F50	719076.323	2435614.492	83°7'20.2094"	22°0'41.189734"
Madanpur	F51	719064.118	2435594.778	83°7'19.567164"	22°0'40.554477"
Madanpur	F52	719055.669	2435576.471	83°7'19.263804"	22°0'39.963293"
Patch-8					
Madanpur	F53	719094.153	2435550.079	83°7'20.592387"	22°0'39.88118"
Madanpur	F54	719058.224	2435554.277	83°7'19.342096"	22°0'39.240776"
Madanpur	F55	719081.799	2435601.427	83°7'20.186648"	22°0'40.762627"
Madanpur	F56	719083.677	2435597.046	83°7'20.49972"	22°0'40.619387"
Madanpur	F57	719093.065	2435593.917	83°7'20.57677"	22°0'40.51344"
Madanpur	F58	719101.201	2435589.536	83°7'20.857147"	22°0'39.963293"
Patch-9					
Banipadar	F59	720488.087	2435315.590	83°8'9.412422"	22°0'30.831044"
Banipadar	F60	720528.598	2435309.958	83°8'10.473115"	22°0'30.634108"
Banipadar	F61	720568.496	2435311.366	83°8'11.864449"	22°0'30.661748"
Banipadar	F62	720578.354	2435302.917	83°8'12.203903"	22°0'30.382675"
Banipadar	F63	720606.518	2435300.100	83°8'13.184163"	22°0'30.27832"
Banipadar	F64	720617.498	2435289.784	83°8'14.288053"	22°0'29.928604"
Banipadar	F65	720642.192	2435283.202	83°8'14.419327"	22°0'29.712882"
Banipadar	F66	720641.781	2435281.832	83°8'14.404332"	22°0'29.668536"
Banipadar	F67	720633.672	2435280.280	83°8'14.120935"	22°0'29.621793"
Banipadar	F68	720633.273	2435281.794	83°8'14.10779"	22°0'29.671167"
Banipadar	F69	720621.538	2435285.549	83°8'13.700008"	22°0'29.798551"
Banipadar	F70	720599.949	2435289.304	83°8'13.498646"	22°0'29.884377"
Banipadar	F71	720582.578	2435292.121	83°8'12.345886"	22°0'30.20844"
Banipadar	F72	720564.272	2435298.692	83°8'11.711028"	22°0'30.25175"
Banipadar	F73	720517.802	2435301.978	83°8'10.92934"	22°0'30.379657"
Banipadar	F74	720506.536	2435306.672	83°8'9.702567"	22°0'30.537337"
Banipadar	F75	720494.801	2435308.080	83°8'9.294239"	22°0'30.588437"
Banipadar	F76	720472.236	2435317.637	83°8'8.123864"	22°0'30.683356"
Banipadar	F77	720488.367	2435330.694	83°8'9.76112"	22°0'31.1321"
Patch-10					
Chodha	F78	721077.234	2435624.485	83°8'29.749105"	22°0'40.607158"
Chodha	F79	721106.420	2435623.417	83°8'30.765838"	22°0'40.559159"
Chodha	F80	721105.829	2435622.117	83°8'30.744612"	22°0'40.517186"
Chodha	F81	721061.691	2435618.086	83°8'29.204181"	22°0'40.601321"
Chodha	F82	721042.936	2435607.750	83°8'28.545456"	22°0'40.78868"
Chodha	F83	721031.321	2435611.316	83°8'28.142357"	22°0'40.200057"
Chodha	F84	721027.761	2435623.773	83°8'28.24386"	22°0'40.605556"
Chodha	F85	721023.490	2435631.247	83°8'27.87917"	22°0'40.851427"
Chodha	F86	721023.490	2435634.450	83°8'27.880734"	22°0'40.955339"
Chodha	F87	721028.829	2435638.040	83°8'28.085367"	22°0'41.047877"
Chodha	F88	721039.151	2435632.671	83°8'28.42571"	22°0'40.890562"
Chodha	F89	721070.472	2435627.688	83°8'29.514965"	22°0'40.71435"
Chodha	F90	721006.050	2435596.767	83°8'27.254459"	22°0'39.78725"
Chodha	F91	721011.122	2435586.624	83°8'27.426284"	22°0'39.40673"
Chodha	F92	721022.462	2435589.836	83°8'27.823114"	22°0'39.505956"
Chodha	F93	720984.203	2435586.196	83°8'26.473252"	22°0'38.436331"
Chodha	F94	720979.880	2435584.201	83°8'26.326751"	22°0'38.692111"
Chodha	F95	720959.341	2435623.632	83°8'26.395931"	22°0'38.633135"
Chodha	F96	720988.855	2435649.456	83°8'26.680837"	22°0'41.459031"
Chodha	F97	721001.512	2435615.987	83°8'27.105674"	22°0'40.365461"
Patch-11					
Adpathra	F98	722761.824	2435580.052	83°9'28.448111"	22°0'38.717775"
Adpathra	F99	722746.444	2435589.398	83°9'27.911984"	22°0'38.721104"
Adpathra	F100	722742.162	2435610.550	83°9'27.772864"	22°0'39.392993"
Adpathra	F101	722743.092	2435615.665	83°9'27.807798"	22°0'39.558817"
Adpathra	F102	722776.573	2435630.546	83°9'28.982102"	22°0'40.270887"
Adpathra	F103	722793.779	2435642.636	83°9'29.587752"	22°0'40.421247"
Adpathra	F104	722803.486	2435645.196	83°9'29.927447"	22°0'40.490879"
Adpathra	F105	722813.775	2435640.311	83°9'30.285533"	22°0'40.327399"
Adpathra	F106	722790.989	2435613.340	83°9'29.476081"	22°0'39.461264"
Adpathra	F107	722785.408	2435611.015	83°9'29.280844"	22°0'39.388257"
Patch-12					
Adpathra	F108	722823.358	2435657.513	83°9'30.626029"	22°0'40.882095"
Adpathra	F109	722820.503	2435642.765	83°9'30.510272"	22°0'40.404056"
Adpathra	F110	722803.486	2435645.196	83°9'29.927447"	22°0'40.490879"
Adpathra	F111	722801.663	2435652.489	83°9'29.867389"	22°0'40.728748"
Adpathra	F112	722788.900	2435651.881	83°9'29.422248"	22°0'40.714855"
Adpathra	F113	722787.684	2435648.842	83°9'29.378386"	22°0'40.616649"
Adpathra	F114	722767.021	2435649.450	83°9'28.658466"	22°0'40.645887"
Adpathra	F115	722767.749	2435657.088	83°9'28.687619"	22°0'40.894135"
Patch-13					
Adpathra	F116	722829.837	2435590.560	83°9'30.818914"	22°0'38.70305"
Adpathra	F117	722792.882	2435590.284	83°9'29.530734"	22°0'38.711052"
Adpathra	F118	722808.001	2435602.943	83°9'30.63902"	22°0'39.115527"
Adpathra	F119	722812.577	2435608.927	83°9'30.226365"	22°0'39.30794"
Adpathra	F120	722816.450	2435607.871	83°9'30.36082"	22°0'39.271836"
Adpathra	F121	722821.730	2435596.606	83°9'30.53933"	22°0'38.903268"
Patch-14					
Pamgarh	F122	723094.216	2435645.312	83°9'40.60651"	22°0'40.36111"
Pamgarh	F123	723109.236	2435641.557	83°9'40.582339"	22°0'40.232157"
Pamgarh	F124	723126.604	2435641.557	83°9'41.187682"	22°0'40.224713"
Pamgarh	F125	723128.012	2435627.475	83°9'41.22982"	22°0'39.765897"
Pamgarh	F126	723125.113	2435594.227	83°9'41.122767"	22°0'38.686951"
Pamgarh	F127	723079.364	2435592.422	83°9'39.51694"	22°0'38.648945"
Pamgarh	F128	723083.420	2435620.903	83°9'39.672326"	22°0'39.572762"
Pamgarh	F129	723072.623	2435622.312	83°9'39.296726"	22°0'39.623493"
Pamgarh	F130	723065.582	2435627.944	83°9'39.54094"	22°0'39.80598"
Pamgarh	F131	723070.746	2435641.088	83°9'39.240539"	22°0'40.234594"
Pamgarh	F132	723081.542	2435644.843	83°9'39.618684"	22°0'40.351679"

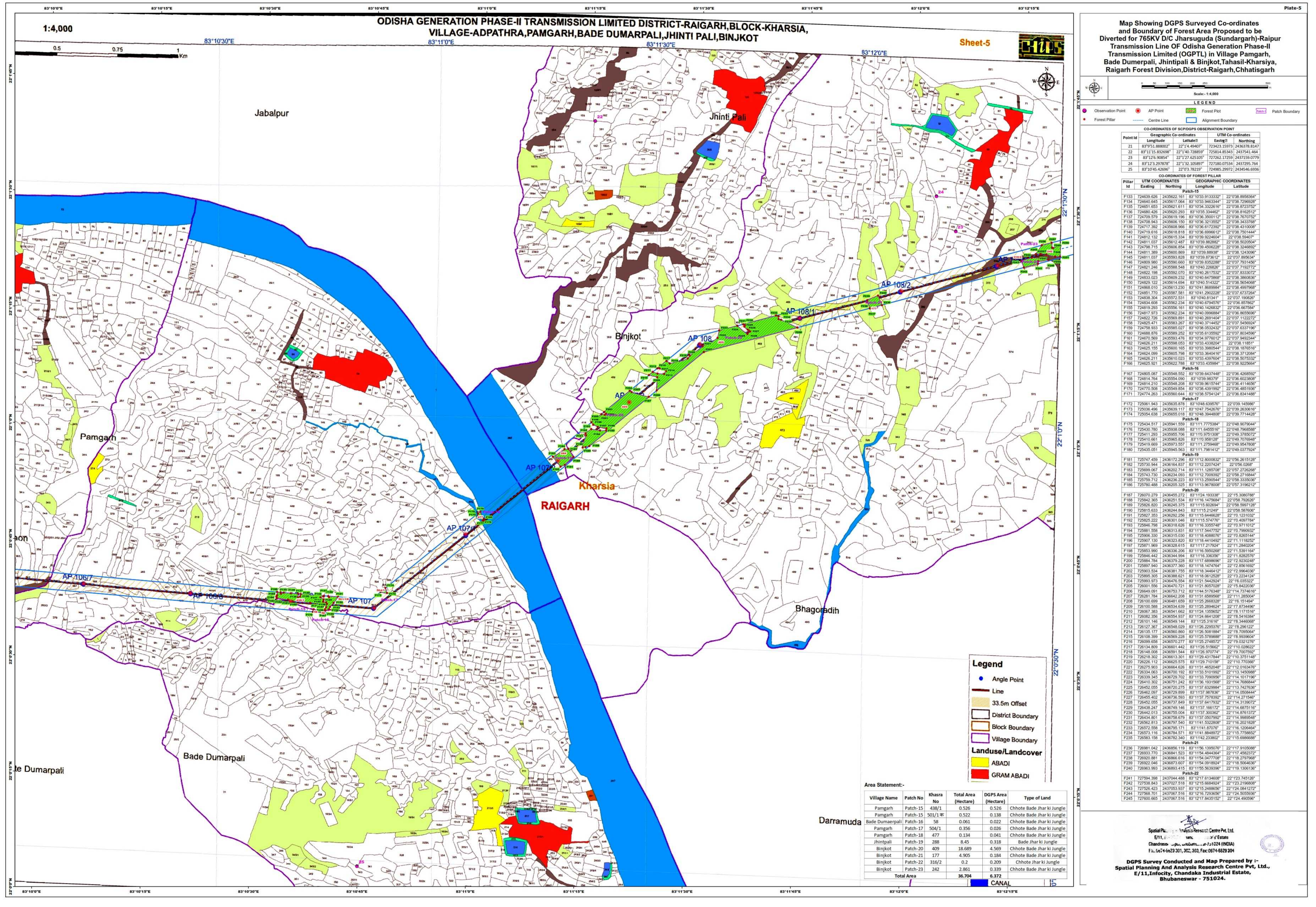
Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Madanpur	Patch-7	126/1	1.178	0.373	Chhote Bade Jhar ki Jungle
Madanpur	Patch-8	126/2	0.405	0.132	Chhote Bade Jhar ki Jungle
Banipathar	Patch-9	69	0.105	0.163	Chhote Jhar ki Jungle
Chodha	Patch-10	603/1	0.162	0.162	Chhote Bade Jhar ki Jungle
Adpathra	Patch-11	299	0.275	0.173	Chhote Bade Jhar ki Jungle
Adpathra	Patch-12	301/1	0.36	0.05	Chhote Bade Jhar ki Jungle
Pamgarh	Patch-13	305/1	0.64	0.032	Chhote Bade Jhar ki Jungle
Pamgarh	Patch-14	317	0.749	0.252	Chhote Bade Jhar ki Jungle
Total Area			3.874	1.337	

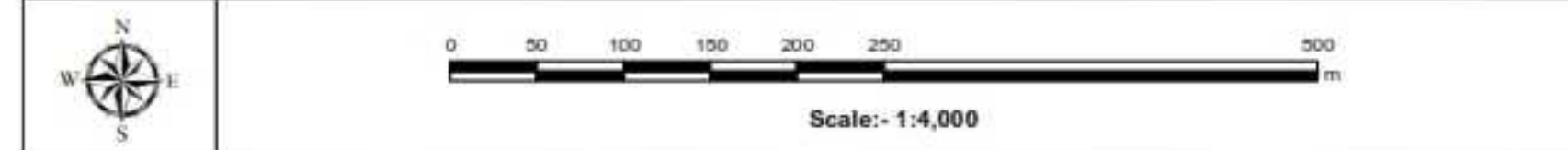
Spatial Planning And Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.

Logo

Logo



Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Binjkot,Darama Tahasil-Kharsiya & Tamnar,Raigarh Forest Division, District-Raigarh,Chhatisgarh



LEGEND

- Observation Point AP Point Forest Plot Patch Boundary Forest Pillar Centre Line Alignment Boundary

CO-ORDINATES OF SCIP/DGPS OBSERVATION POINT

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastg#	Northing
26	83°14'13.68403"	22°1'41.223384"	730915.81561	2437630.593
27	83°14'8.599225"	22°2'0.80515"	730761.14839	2438230.8538
28	83°13'0.943655"	22°0'56.835747"	728849.26254	2436234.6714
29	83°12'12.590785"	22°1'28.944944"	727734.85211	2437206.51

CO-ORDINATES OF FOREST PILLAR

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastg#	Northing	Longitude	Latitude
Patch-24					
Binjkot	F258	728077.130	2437203.357	83°12'34.519859"	22°1'28.681647"
Binjkot	F259	728066.042	2437199.162	83°12'34.131271"	22°1'28.550515"
Binjkot	F260	728056.753	2437200.361	83°12'33.808074"	22°1'28.593899"
Binjkot	F261	728063.645	2437215.344	83°12'34.5587"	22°1'29.77549"
Binjkot	F262	728069.339	2437223.734	83°12'34.25856"	22°1'29.347564"
Binjkot	F263	728070.837	2437236.320	83°12'34.317134"	22°1'29.755898"
Binjkot	F264	728067.840	2437255.199	83°12'34.222203"	22°1'30.370865"
Binjkot	F265	728078.931	2437261.248	83°12'34.611856"	22°1'30.562266"
Binjkot	F266	728112.490	2437261.492	83°12'35.781717"	22°1'30.554386"
Binjkot	F267	728113.988	2437244.711	83°12'35.825478"	22°1'30.63097"
Binjkot	F268	728094.510	2437237.818	83°12'35.143062"	22°1'29.79346"
Binjkot	F269	728077.429	2437210.549	83°12'34.533931"	22°1'28.915243"
Patch-25					
Binjkot	F270	728374.011	2437297.433	83°12'44.915651"	22°1'31.599392"
Binjkot	F271	728206.220	2437241.064	83°12'39.38525"	22°1'29.846402"
Binjkot	F272	728178.766	2437270.014	83°12'38.96204"	22°1'30.80019"
Binjkot	F273	728225.030	2437269.659	83°12'39.708641"	22°1'30.766892"
Binjkot	F274	728353.167	2437306.062	83°12'44.193431"	22°1'31.889653"
Patch-26					
Binjkot	F275	728693.201	2437451.567	83°12'56.119527"	22°1'36.458343"
Binjkot	F276	728620.471	2437450.922	83°12'53.584035"	22°1'36.471666"
Binjkot	F277	728765.216	2437498.324	83°12'58.653389"	22°1'37.943961"
Binjkot	F278	728742.923	2437478.559	83°12'57.866329"	22°1'37.312127"
Patch-27					
Darama	F279	730331.535	2437925.395	83°13'53.468262"	22°1'51.997331"
Darama	F280	730308.755	2437889.017	83°13'52.706353"	22°1'51.160698"
Darama	F281	730400.562	2438016.185	83°13'55.930388"	22°1'54.2"
Darama	F282	730405.411	2437951.408	83°13'56.56401"	22°1'51.892506"
Darama	F283	730410.687	2437949.335	83°13'56.239264"	22°1'51.822605"
Patch-28					
Darama	F284	730570.809	2438043.409	83°14'1.868726"	22°1'54.803845"
Darama	F285	730565.661	2438041.049	83°14'1.688057"	22°1'54.729604"
Darama	F286	730526.832	2438048.986	83°14'0.338634"	22°1'55.6024"
Darama	F287	730526.449	2438053.075	83°14'0.327357"	22°1'55.13909"
Darama	F288	730582.663	2438069.548	83°14'2.295261"	22°1'55.647722"
Darama	F289	730589.963	2438059.951	83°14'2.544807"	22°1'55.332341"
Patch-29					
Darama	F290	731090.666	2438147.521	83°14'20.42995"	22°1'57.939921"
Darama	F291	731070.564	2438141.689	83°14'19.339298"	22°1'57.759978"
Darama	F292	731070.564	2438143.280	83°14'19.340111"	22°1'57.811685"
Darama	F293	731087.153	2438161.300	83°14'19.927604"	22°1'58.389409"
Darama	F294	731107.175	2438175.887	83°14'20.632987"	22°1'58.853947"
Darama	F295	731112.610	2438176.745	83°14'20.822862"	22°1'58.879244"
Darama	F296	731112.324	2438170.453	83°14'20.809675"	22°1'58.674874"

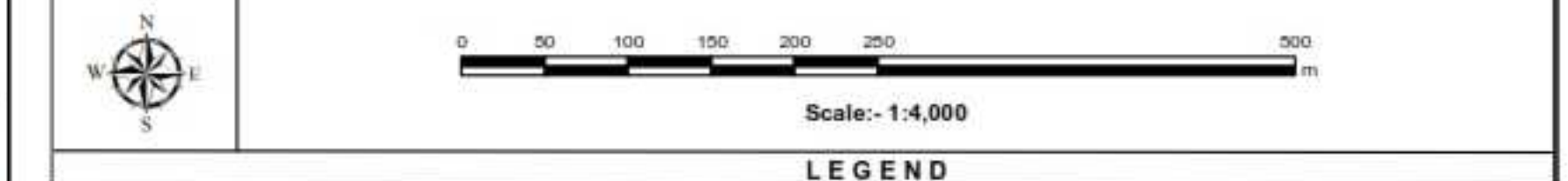
Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Binjkot	Patch-24	253	0.227	0.163	Bade Jhar ki Jungle
Binjkot	Patch-25	289/1	21.609	0.344	Bade Jhar ki Jungle
Binjkot	Patch-26	227	1.117	0.187	Bade Jhar ki Jungle
Darama	Patch-27	40	7.968	0.58	Chhote Jhar ki Jungle
Darama	Patch-28	13	2.473	0.018	Bade Jhar ki Jungle
Darama	Patch-28	38	0.117	0.076	Bade Jhar ki Jungle
Darama	Patch-29	27	0.069	0.047	Chhote Jhar ki Jungle
Total Area			73.145	8.143	

Spatial Planning And Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024 (INDIA)
Ph. 0674-6623 301, 302, 303, Fax: 0674-6629 304

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Gadgaon, Tahasil-Tamnar,Raigarh Forest Division, District-Raigarh,Chhatisgarh



- LEGEND
- Observation Point
 - Forest Pillar
 - RF_Pillar
 - AP Point
 - Centre Line
 - Alignment Boundary
 - Forest Plot
 - Patch Boundary

CO-ORDINATES OF SCIP/DGPS OBSERVATION POINT

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastg	Northing
30	83°16'40.202083"	22°2'15.97852"	735102.42491	2438761.9301
31	83°16'29.238576"	22°3'31.136581"	734753.49986	2441069.3888

CO-ORDINATES OF FOREST PILLAR					
Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastg	Northing	Longitude	Latitude
Patch-30					
Gadgaon	F287	735042.931	2439949.569	83°16'38.746146"	22°2'34.603791"
Gadgaon	F288	735005.769	2439939.093	83°16'37.445203"	22°2'34.281395"
Gadgaon	F299	735044.669	2439986.288	83°16'38.823846"	22°2'35.794274"
Gadgaon	F300	735053.392	2440000.017	83°16'39.102214"	22°2'36.238709"
Gadgaon	F301	735054.108	2440011.745	83°16'39.168145"	22°2'36.618991"
Gadgaon	F302	735051.524	2440026.308	83°16'39.85652"	22°2'37.93525"
Gadgaon	F303	735072.128	2440024.330	83°16'39.802883"	22°2'37.192427"
Gadgaon	F304	735075.274	2440019.467	83°16'39.910205"	22°2'36.859698"
Gadgaon	F305	735086.979	2439986.752	83°16'40.301041"	22°2'35.790811"
Patch-31					
Gadgaon	F306	735287.044	2440164.159	83°16'47.36794"	22°3'1.459122"
Gadgaon	F307	735186.246	2440158.229	83°16'43.852904"	22°3'1.315379"
Gadgaon	F308	735172.949	2440236.234	83°16'46.914809"	22°3'3.888327"
Gadgaon	F309	735278.273	2440188.566	83°16'47.74871"	22°3'2.256594"
Patch-32					
Gadgaon	F310	735403.461	2440263.537	83°16'51.478176"	22°3'4.632199"
Gadgaon	F311	735381.108	2440243.420	83°16'50.688432"	22°3'3.989271"
Gadgaon	F312	735378.251	2440272.946	83°16'50.690242"	22°3'4.950228"
Gadgaon	F313	735403.391	2440274.216	83°16'51.481294"	22°3'4.979273"

Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Gadgaon	Patch-30	47	0.255	0.256	Chhote Jhar ki Jungle
Gadgaon	Patch-31	51	1.582	0.356	Chhote Jhar ki Jungle
Gadgaon	Patch-32	53	0.182	0.05	Bade Jhar ki Jungle
Total Area			86.908	9.695	

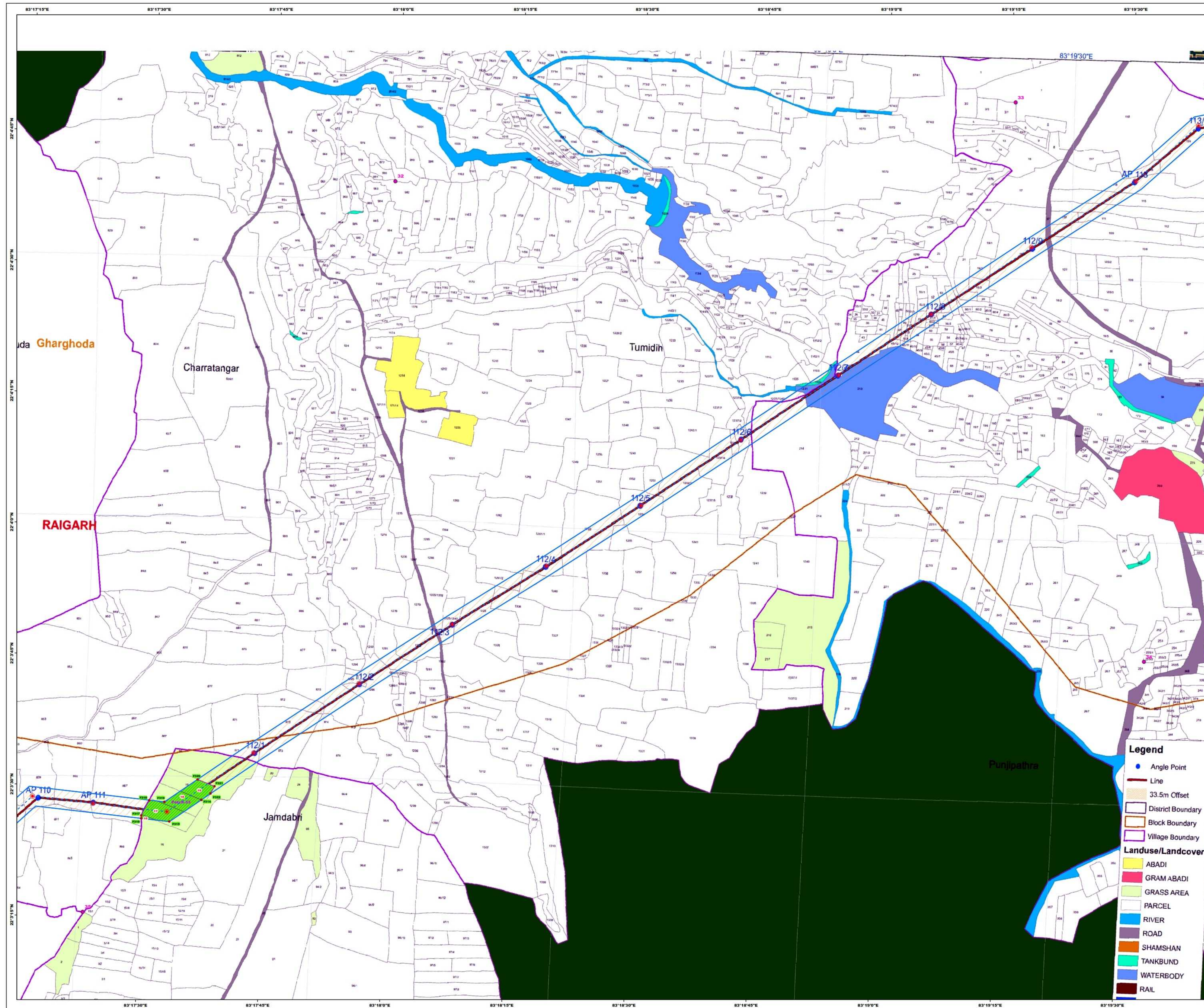


Legend

- Angle Point
- Line
- 33.5m Offset
- District Boundary
- Block Boundary
- Village Boundary
- Landuse/Landcover
 - ABADI
 - GRAM ABADI
 - GRASS AREA
 - PARCEL
 - RIVER
 - ROAD
 - SHAMSHAN
 - TANKBUND
 - WATERBODY
 - RAIL
 - CANAL
 - FOREST

Spatial Planning & Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024 (INDIA)
Ph: 0674-6629 301, 302, 303, Fax: 0674-6629 304

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.



Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Haradih, Tahasil-Tamnar, Raigarh Forest Division, District-Raigarh, Chhatisgarh

Scale: 1:4,000

LEGEND

- Observation Point
- Forest Pillar
- AP Point
- Centre Line
- Forest Plot
- Alignment Boundary
- Patch Boundary

CO-ORDINATES OF SCIPDOPS OBSERVATION POINT

Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastg	Northing
32	83°17'59.923972"	22°4'40.471122"	737322.10946	2443228.3832
33	83°19'15.899422"	22°4'50.776899"	739495.57214	2443591.5191
34	83°19'33.317026"	22°3'47.96177"	740024.89269	2441640.0191
35	83°17'23.690839"	22°3'15.536444"	736322.23928	2440612.8382

CO-ORDINATES OF FOREST PILLAR

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastg	Northing	Longitude	Latitude
Haradih	F314	736724.702	2441023.721	83°17'37.936912"	22°3'28.692775"
	F315	736614.745	2440942.673	83°17'34.6104"	22°3'26.112627"
	F316	736515.580	2440950.257	83°17'30.607865"	22°3'26.407511"
	F317	736514.957	2440960.432	83°17'30.591479"	22°3'26.738682"
	F318	736541.001	2441015.501	83°17'31.533454"	22°3'28.515181"
	F319	736595.031	2441011.377	83°17'33.40978"	22°3'28.354977"
	F320	736708.207	2441094.797	83°17'37.399149"	22°3'31.10671"
	F321	736768.923	2441072.801	83°17'39.504342"	22°3'30.26615"
	F322	736756.167	2441046.914	83°17'39.46061"	22°3'29.45112"

Area Statement:-

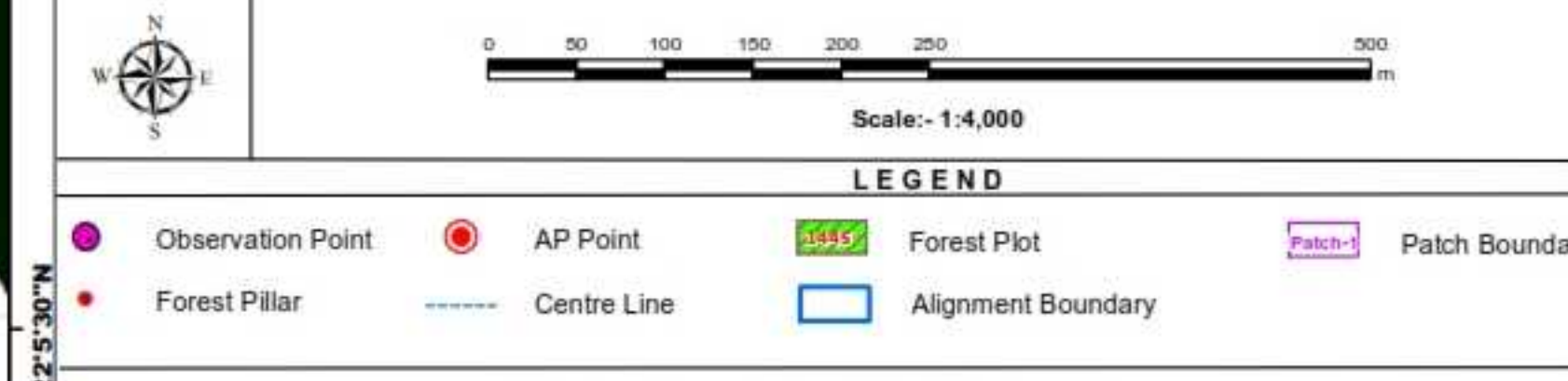
Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Haradih	Patch-33	16	7.721	0.038	Chhotte Jhar ki Jungle
Haradih	Patch-33	17	1.214	0.673	Chhotte Jhar ki Jungle
Haradih	Patch-33	18	1.214	0.507	Chhotte Jhar ki Jungle
Haradih	Patch-33	19	1.214	0.467	Chhotte Jhar ki Jungle
Total Area			11.363	1.685	

Legend

- Angle Point
- Line
- 33.5m Offset
- District Boundary
- Block Boundary
- Village Boundary
- Landuse/Landcover
 - ABADI
 - GRAM ABADI
 - GRASS AREA
 - PARCEL
 - RIVER
 - ROAD
 - SHAMSHAN
 - TANKBUND
 - WATERBODY
 - RAIL

Spatial Planning And Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024.
DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024.

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village-Samaruma & Padakopahari, Tahasil-Tamnar, Raigarh Forest Division, District-Raigarh, Chhatisgarh



CO-ORDINATES OF SCIPDGPS OBSERVATION POINT				
Point Id	Geographic Co-ordinates	UTM Co-ordinates		
	Longitude	Latitude	Eastg	Northing
37	83°20'41.525765"	22°5'14.860275"	741939.35992	2444370.0462
38	83°21'38.766379"	22°5'28.116211"	744147.69123	2444881.1271
39	83°21'34.870893"	22°4'10.149635"	743212.96287	2442398.306
40	83°19'50.704514"	22°4'4.464526"	740515.34123	2442181.9673

CO-ORDINATES OF FOREST PILLAR					
Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastg	Northing	Longitude	Latitude
Samaruma	F323	743336.527	2443732.539	83°21'29.898791"	22°4'53.442453"
	F324	743277.083	2443790.256	83°21'27.857276"	22°4'55.347949"
	F325	743367.658	2443791.008	83°21'31.15786"	22°4'55.268812"
	F326	743368.414	2443740.452	83°21'31.14859"	22°4'53.683568"
	F327	743383.860	2443737.206	83°21'31.551699"	22°4'53.573552"
Padakopahari	F328	743401.308	2443752.180	83°21'32.168078"	22°4'54.48106"
	F329	743438.777	2443764.479	83°21'33.481174"	22°4'54.428928"
	F330	743525.165	2443751.906	83°21'36.486488"	22°4'53.97686"
	F331	743524.301	2443724.565	83°21'36.441573"	22°4'53.88809"
	F332	743581.929	2443774.770	83°21'38.450971"	22°4'53.66455"
	F333	743587.278	2443760.414	83°21'38.661614"	22°4'54.514544"
	F334	743582.276	2443790.675	83°21'38.486883"	22°4'55.207946"
	F335	743517.819	2443791.542	83°21'36.251728"	22°4'55.268995"
	F336	743454.583	2443791.317	83°21'34.46774"	22°4'55.293117"
	F337	743581.745	2443791.770	83°21'38.480782"	22°4'55.243797"
	F338	743859.702	2443765.516	83°21'48.158084"	22°4'54.250678"
	F339	743859.702	2443739.948	83°21'48.144252"	22°4'53.419714"
	F340	743864.553	2443727.199	83°21'48.304741"	22°4'53.1678"
	F341	743839.952	2443726.799	83°21'47.44852"	22°4'53.2199"
	F342	743837.191	2443753.531	83°21'47.366715"	22°4'53.87246"
Padakopahari	F343	743709.629	2443751.620	83°21'42.917999"	22°4'53.874664"
	F344	743672.945	2443758.846	83°21'41.642832"	22°4'54.127957"
	F345	743668.498	2443767.739	83°21'41.4028"	22°4'54.419194"
	F346	743655.158	2443779.967	83°21'41.34992"	22°4'54.823857"
	F347	743647.932	2443771.074	83°21'40.777346"	22°4'54.537928"
	F348	743626.464	2443770.727	83°21'40.28609"	22°4'54.537454"
	F349	743618.960	2443773.853	83°21'39.768669"	22°4'54.642834"
	F350	743609.581	2443785.734	83°21'39.448054"	22°4'55.3364"
	F351	743608.632	2443791.865	83°21'39.418282"	22°4'55.233657"
	F352	743741.633	2443792.339	83°21'44.559"	22°4'55.181737"
	F353	743993.285	2443729.073	83°21'52.795994"	22°4'52.998959"
	F354	743983.060	2443729.804	83°21'52.439876"	22°4'53.27866"
	F355	743973.889	2443751.064	83°21'52.131615"	22°4'53.73373"
	F356	743960.540	2443765.516	83°21'51.67437"	22°4'54.19972"
	F357	743931.091	2443776.076	83°21'50.652902"	22°4'54.557762"
Padakopahari	F358	743894.962	2443779.967	83°21'49.395314"	22°4'54.702417"
	F359	743881.066	2443784.414	83°21'48.913222"	22°4'54.853923"
	F360	743879.137	2443794.383	83°21'48.851338"	22°4'55.178855"
	F361	744051.931	2443798.992	83°22'2.206663"	22°4'55.155455"
	F362	744265.821	2443732.019	83°22'2.300023"	22°4'52.957114"

202-2023

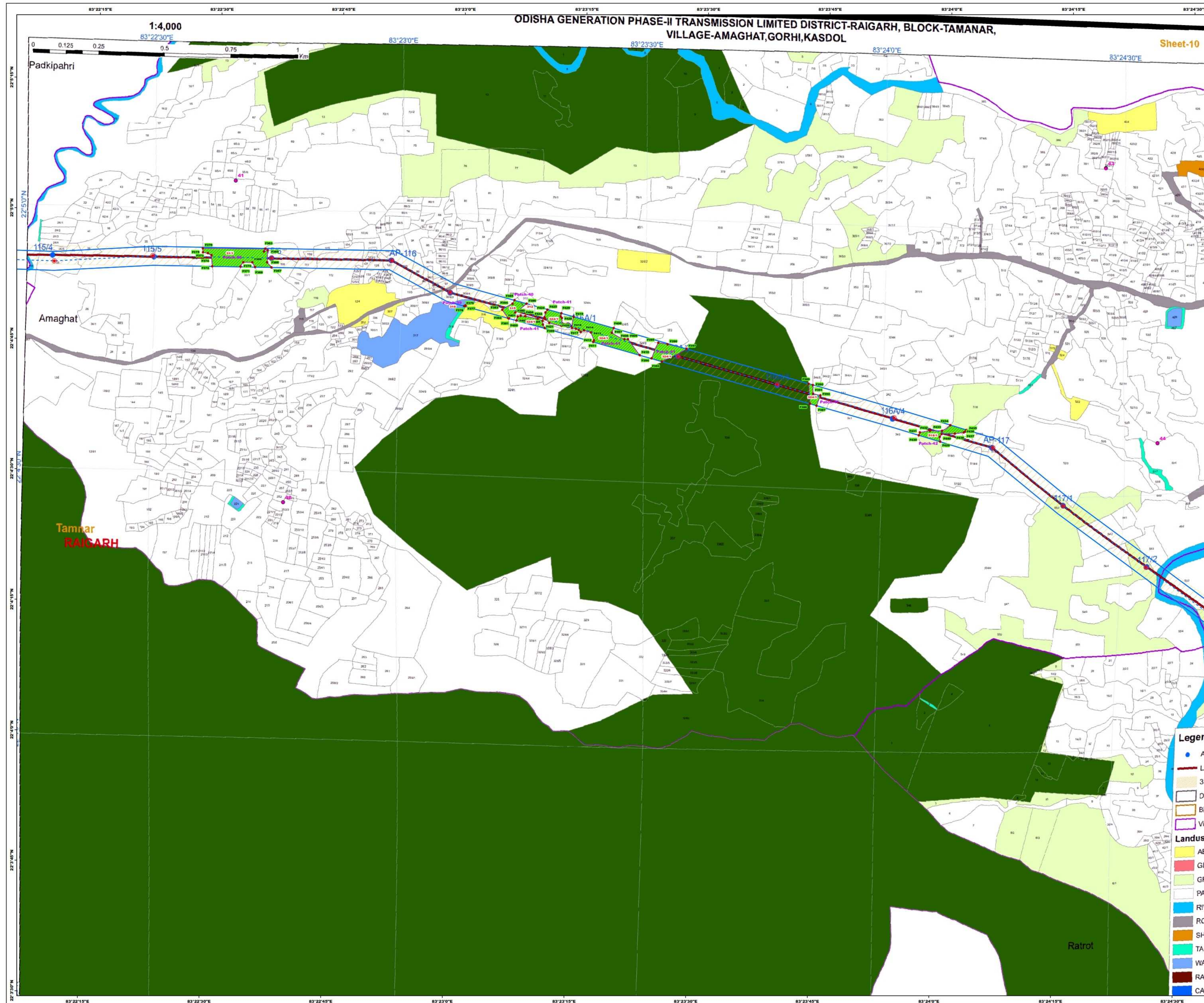
Area Statement:-					
Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Samaruma	Patch-34	105	0.405	0.277	Badde Jhar ki Jungle
Samaruma	Patch-35	103/1	3.947	0.348	Badde Jhar ki Jungle
Padakipahari	Patch-35	71/1	2.526	0.695	Badde Jhar ki Jungle
Padakipahari	Patch-36	74/1	6.541	0.814	Badde Jhar ki Jungle
Padakipahari	Patch-37	82	21.122	2.135	Badde Jhar ki Jungle
Total Area			34.541	4.269	

Legend

- Angle Point
- Line
- 33.5m Offset
- District Boundary
- Block Boundary
- Village Boundary
- Landuse/Landcov
- ABADI
- GRAM ABADI
- GRASS AREA
- PARCEL
- RIVER
- ROAD
- SHAMSHAN
- TANKBUND
- WATERBODY
- RAIL
- CANAL

Spatial Planning & Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.
F.No. 6629/201, 302, 303, Fax: 0674-6629 304

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.



Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Amghat Tahasil-Tamnar,Raigarh Forest Division, District-Raigarh,Chhatisgarh

Scale:- 1:4,000

LEGEND

- Observation Point
- AP Point
- Forest Plot
- Patch Boundary
- Forest Pillar
- Centre Line
- Alignment Boundary
- RF_Pillar

CO-ORDINATES OF SCIP/DGPS OBSERVATION POINT

Point Id	Geographic Co-ordinates	UTM Co-ordinates		
	Longitude	Latitude	Eastg	Northing
41	83°22'32.557168"	22°53'17.7993"	745128.24516	2444076.5714
42	83°22'39.548016"	22°42'36.86512"	745340.65668	2442445.8421
43	83°24'19.848132"	22°57'47.6667"	748202.82453	2444240.5174
44	83°24'27.5171"	22°43'36.15008"	748423.34053	2443275.81

CO-ORDINATES OF FOREST PILLAR

Village Name	Pillar Id	UTM Co-ordinates	Geographic Co-ordinates		
		Eastg	Northing	Longitude	Latitude
Patch-38					
Amghat	F363	745242.902	2443838.657	83°22'36.425494"	22°45'59.28001"
Amghat	F364	745238.326	2443828.741	83°22'36.260534"	22°45'59.08103"
Amghat	F365	745250.911	2443804.081	83°22'36.702241"	22°45'57.73232"
Amghat	F366	745250.911	2443790.986	83°22'36.678797"	22°45'54.74812"
Amghat	F367	745267.351	2443773.861	83°22'37.242666"	22°45'53.81"
Amghat	F368	745208.641	2443772.633	83°22'35.194986"	22°45'53.799861"
Amghat	F369	745197.901	2443789.079	83°22'34.829465"	22°45'53.39724"
Amghat	F370	745166.247	2443788.698	83°22'33.725599"	22°45'54.343377"
Amghat	F371	745157.594	2443771.560	83°22'33.406201"	22°45'53.709999"
Amghat	F372	745057.861	2443769.479	83°22'29.936107"	22°45'53.73775"
Amghat	F373	745052.980	2443808.529	83°22'29.787143"	22°45'55.45217"
Amghat	F374	745040.013	2443815.393	83°22'29.338773"	22°45'52.74861"
Amghat	F375	745022.851	2443818.063	83°22'28.741853"	22°45'53.730307"
Amghat	F376	745021.466	2443823.576	83°22'28.701451"	22°45'54.8261"
Patch-39					
Amghat	F377	745958.183	2443607.206	83°23'1.271306"	22°49.993344"
Amghat	F378	745957.285	2443663.359	83°23'1.23791"	22°49.886879"
Amghat	F379	745953.804	2443664.175	83°23'1.116985"	22°49.897064"
Patch-40					
Amghat	F380	746135.086	2443606.076	83°23'7.429017"	22°49.301198"
Amghat	F381	746113.230	2443626.820	83°23'6.655137"	22°49.48.0209"
Amghat	F382	746110.422	2443627.478	83°23'6.557587"	22°49.48.04901"
Amghat	F383	746088.463	2443656.399	83°23'5.807775"	22°49.57.5878"
Amghat	F384	746123.645	2443679.853	83°23'7.47216"	22°49.50.320144"
Amghat	F385	746130.339	2443691.626	83°23'7.287047"	22°49.50.6993"
Amghat	F386	746173.623	2443681.884	83°23'8.790688"	22°49.50.34701"
Patch-41					
Amghat	F387	747213.175	2443361.433	83°23'44.860087"	22°49.39.41786"
Amghat	F388	747189.627	2443367.153	83°23'44.42215"	22°49.36.61519"
Amghat	F389	747182.100	2443437.634	83°23'43.818421"	22°49.1.909364"
Amghat	F390	747197.068	2443434.294	83°23'44.33845"	22°49.1.793167"
Amghat	F391	747199.264	2443430.189	83°23'44.397947"	22°49.1.781285"
Amghat	F392	747225.578	2443398.232	83°23'46.31269"	22°49.0.606731"
Amghat	F393	746660.427	2443496.107	83°23'25.662145"	22°49.4.75763"
Amghat	F394	746623.434	2443505.642	83°23'24.377582"	22°49.4.404447"
Amghat	F395	746645.049	2443562.197	83°23'25.162127"	22°49.4.231229"
Amghat	F396	746677.970	2443557.889	83°23'26.307596"	22°49.4.74467"
Amghat	F397	746746.479	2443543.779	83°23'28.653944"	22°49.5.501502"
Amghat	F398	746234.140	2443610.561	83°23'10.861896"	22°49.4.12203"
Amghat	F399	746241.767	2443598.357	83°23'11.121167"	22°49.4.611746"
Amghat	F400	746140.304	2443620.679	83°23'7.595773"	22°49.3.388751"
Amghat	F401	746143.628	2443634.969	83°23'7.719442"	22°49.3.851419"
Amghat	F402	746154.815	2443638.020	83°23'8.111149"	22°49.3.94887"
Amghat	F403	746170.578	2443637.511	83°23'8.660475"	22°49.3.920324"
Amghat	F404	746214.817	2443629.375	83°23'10.198466"	22°49.3.634044"
Amghat	F405	746232.614	2443623.273	83°23'10.815652"	22°49.3.426078"
Amghat	F406	746485.348	2443607.082	83°23'19.618585"	22°49.7.771212"
Amghat	F407	746479.064	2443590.165	83°23'19.390252"	22°49.7.24669"
Amghat	F408	746524.829	2443570.333	83°23'20.975021"	22°49.5.569916"
Amghat	F409	746537.039	2443570.842	83°23'21.400795"	22°49.5.56712"
Amghat	F410	746580.522	2443514.998	83°23'22.886524"	22°49.4.730371"
Amghat	F411	746414.762	2443555.288	83°23'17.129232"	22°49.4.124096"
Amghat	F412	746417.028	2443561.181	83°23'17.211466"	22°49.3.14414"
Amghat	F413	746405.333	2443589.148	83°23'16.818985"	22°49.3.229186"
Amghat	F414	746380.417	2443594.233	83°23'15.95304"	22°49.3.407117"
Amghat	F415	746369.230	2443589.656	83°23'15.56057"	22°49.3.2641"
Amghat	F416	746361.602	2443595.250	83°23'15.297621"	22°49.3.449748"
Amghat	F417	746351.941	2443599.826	83°23'14.963269"	22°49.3.603383"
Amghat	F418	746337.703	2443601.860	83°23'14.467967"	22°49.3.67673"
Amghat	F419	746342.065	2443641.336	83°23'14.641616"	22°49.3.977314"
Amghat	F420	746300.837	2443607.129	83°23'13.185487"	22°49.3.866709"
Amghat	F421	746259.598	2443617.436	83°23'11.648681"	22°49.3.238493"
Amghat	F422	746242.487	2443628.485	83°23'11.162739"	22°49.3.590422"
Amghat	F423	746238.716	2443635.986	83°23'11.35345"	22°49.3.83607"
Amghat	F424	746241.767	2443653.274	83°23'11.151163"	22°49.3.39633"
Amghat	F425	746248.380	2443663.414	83°23'11.38725"	22°49.3.72439"
Amghat	F426	746298.108	2443652.316	83°23'18.115088"	22°49.3.36496"
Amghat	F427	746295.668	2443641.579	83°23'13.24963"	22°49.3.988837"
Amghat	F428	746300.752	2443635.477	83°23'13.19802"	22°49.3.787961"
Patch-42					
Amghat	F429	747655.421	2443250.812	83°24'0.218213"	22°49.3.596401"
Amghat	F430	747578.720	2443270.846	83°23'57.555071"	22°49.3.866644"
Amghat	F431	747581.717	2443281.220	83°23'57.665258"	22°49.3.62252"
Amghat	F432	747617.185	2443288.466	83°23'58.905803"	22°49.3.839563"
Amghat	F433	747660.280	2443289.992	83°24'0.409134"	22°49.3.867075"
Amghat	F434	747688.204	2443311.497	83°24'1.394523"	22°49.3.551604"
Amghat	F435	747745.906	2443296.426	83°24'3.398006"	22°49.3.32307"
Amghat	F436	747742.274	2443290.373	83°24'3.268068"	22°49.3.837486"
Amghat	F437	747736.935	2443287.322	83°24'3.803427"	22°49.3.701078"
Amghat	F438	747705.663	2443281.602	83°24'1.986796"	22°49.3.571198"
Amghat	F439	747659.136	2443278.932	83°24'0.36317"	22°49.3.508269"
Amghat	F440	747653.034	2443267.491	83°24'0.144144"	22°49.3.139608"

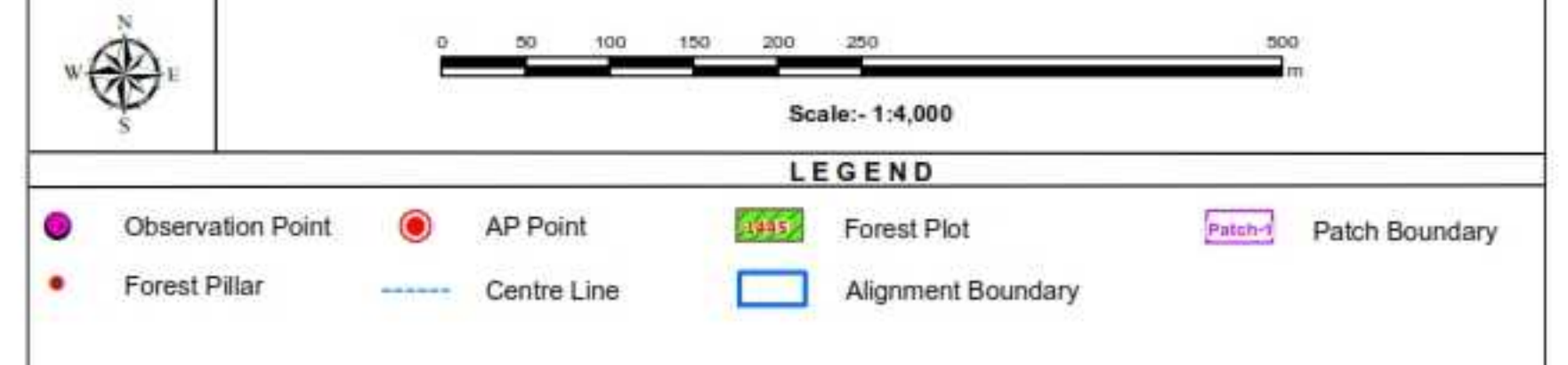
Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Amghat	Patch-38	31/1	6.56	1.264	Bade Jhar ki Jungle(OA)
Amghat	Patch-39	318	0.125	0.001	Chhoti Jhar ki Jungle
Amghat	Patch-40	312	0.101	0.013	Chhoti Jhar ki Jungle
Amghat	Patch-41	315	0.251	0.23	Chhoti Jhar ki Jungle
Amghat	Patch-42	324/1	234.029	2.203	Bade Jhar ki Jungle
Amghat	Patch-42	518/1	3.304	0.367	Chhoti Jhar ki Jungle
Total Area			244.37	4.078	

Spatial Planning And Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024 (INDIA)
Ph: 0674-6623 301, 302, 303, Fax: 0674-6629 304

DGPS Survey Conducted and Map Prepared by:-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Kasdol & Tamnar, Tahasil-Tamnar,Raigarh Forest Division, District-Raigarh,Chhatisgarh

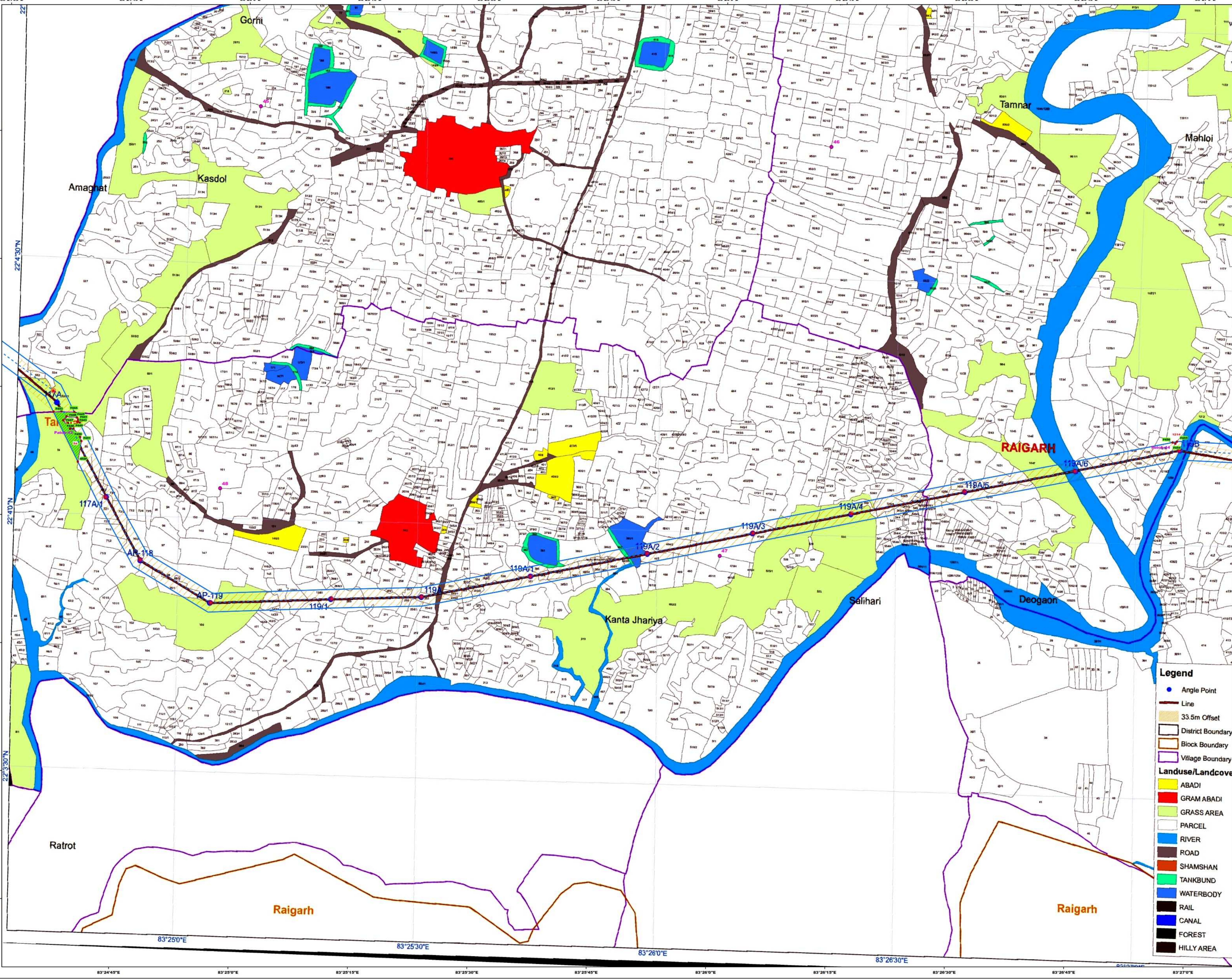


Point Id	Geographic Co-ordinates			
	Longitude	Latitude	Easting	Northing
45	83°25'2.23099"	22°4'48.53499"	749421.38082	2443676.9018
46	83°26'13.829871"	22°4'45.334251"	751482.00819	2443611.235
47	83°26'0.978087"	22°3'57.108614"	751137.17705	2442121.6129
48	83°24'58.1495"	22°4'3.653489"	749328.34377	2442294.2478

Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Easting	Northing	Longitude	Latitude
		Patch-4			
Kasdol	F441	748807.417	2442520.772	83°24'39.979329"	22°4'11.262528"
Kasdol	F442	748812.285	2442511.762	83°24'40.144038"	22°4'10.987212"
Kasdol	F443	748805.238	2442513.964	83°24'39.899527"	22°4'11.624041"
Kasdol	F444	748792.566	2442548.256	83°24'39.476668"	22°4'12.183231"
Kasdol	F445	748803.124	2442528.716	83°24'39.833975"	22°4'11.542868"
Kasdol	F446	748765.575	2442531.761	83°24'38.526997"	22°4'11.66112"
Kasdol	F447	748753.880	2442517.015	83°24'38.110722"	22°4'11.879465"
Kasdol	F448	748779.813	2442487.522	83°24'38.99857"	22°4'10.216244"
Kasdol	F449	748792.017	2442489.048	83°24'39.42487"	22°4'10.259942"
Kasdol	F450	748816.933	2442459.555	83°24'40.277249"	22°4'9.288361"
Kasdol	F451	748822.018	2442444.809	83°24'40.446389"	22°4'8.806562"
Kasdol	F452	748812.651	2442370.147	83°24'40.78659"	22°4'6.965232"
Kasdol	F453	748717.523	2442546.196	83°24'36.859336"	22°4'12.154864"
Patch-4					
Tamnar	F454	752768.144	2442598.256	83°26'58.102181"	22°4'11.747892"
Tamnar	F455	752762.844	2442591.118	83°26'57.913428"	22°4'11.518708"
Tamnar	F456	752752.659	2442594.598	83°26'57.560358"	22°4'11.636855"

Area Statement:-

Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Kasdol	Patch-43	54	4.619	0.646	Chhotte Jhar ki Jungle
Tamnar	Patch-44	1214	0.049	0.005	Chhotte Jhar ki Jungle
Total Area			4.668	0.651	



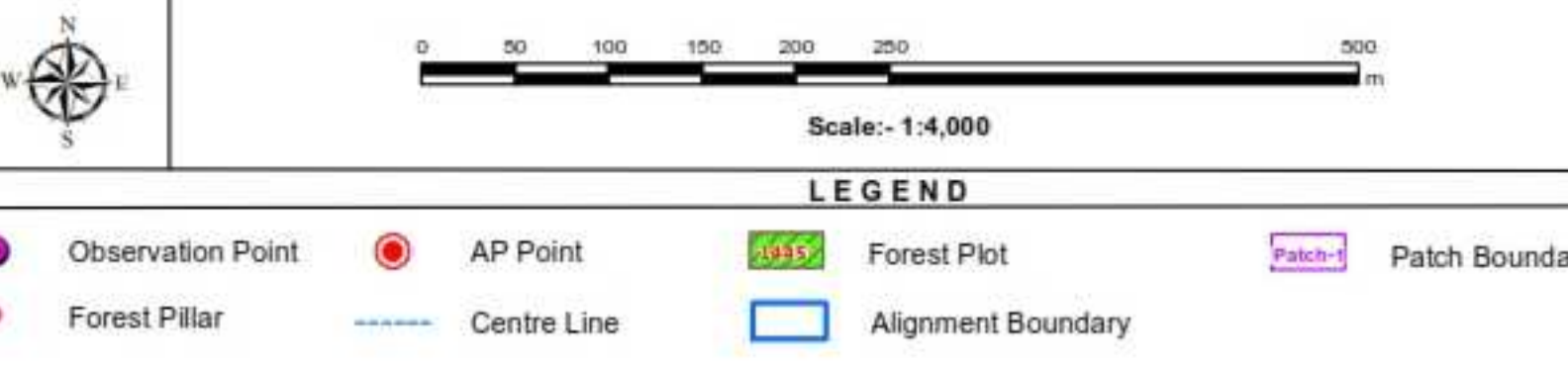
Legend

- Angle Point
- Line
- 33.5m Offset
- District Boundary
- Block Boundary
- Village Boundary
- Landuse/Landcove**
- ABADI
- GRAM ABADI
- GRASS AREA
- PARCEL
- RIVER
- ROAD
- SHAMSHAN
- TANKBUND
- WATERBODY
- RAIL
- CANAL
- FOREST
- HILLY AREA

Spatial Planning & Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024 (INDIA)
Ph: 0674-6629 301, 302, 303, Fax: 0674-6629 304

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024.

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Padigaon, Tahasil-Tannar,Raigarh Forest Division, District-Raigarh,Chhatisgarh



CO-ORDINATES OF SCIPDGPS OBSERVATION POINT				
Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastg	Northing
49	83°27'40.75689"	22°4'48.784908"	753953.42754	2443757.1631
50	83°29'10.773873"	22°4'41.269056"	756558.02698	2443568.1574
51	83°29'4.392239"	22°3'15.604245"	756417.99034	2440929.5008
52	83°27'41.205503"	22°3'28.522891"	754025.70967	2441288.2752

CO-ORDINATES OF FOREST PILLAR				
Village Name	Pillar Id	UTM Co-ordinates	Geographic Co-ordinates	
		Eastg	Northing	Latitude
Patch-45				
Padigaon	F457	757056.365	2442001.416	83°29'27.254464"
Padigaon	F458	757038.631	2442002.846	83°29'26.637095"
Padigaon	F459	757035.199	2441995.982	83°29'26.513536"
Padigaon	F460	757030.909	2441994.838	83°29'26.363324"
Padigaon	F461	757016.893	2442001.702	83°29'25.878669"
Padigaon	F462	757006.310	2442011.713	83°29'25.515454"
Padigaon	F463	757000.018	2442027.445	83°29'25.305058"
Padigaon	F464	757004.880	2442046.037	83°29'25.485149"
Padigaon	F465	757006.978	2442066.424	83°29'25.569879"
Padigaon	F466	757002.718	2442068.377	83°29'25.422486"
Padigaon	F467	757085.371	2442046.742	83°29'28.291421"
Padigaon	F468	757086.970	2442041.746	83°29'28.344306"
Padigaon	F469	757042.922	2442038.600	83°29'26.807021"
Padigaon	F470	756996.349	2442070.044	83°29'25.201419"
Padigaon	F471	756993.248	2442059.774	83°29'25.87496"
Padigaon	F472	756983.643	2442073.369	83°29'24.760398"

Area Statement:-

Village Name	Patch No	Khassa No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Padigaon	Patch-45	184/1	0.934	0.315	Chhote Jhar ki Jungle
Padigaon	Patch-45	184/2	0.405	0.007	Chhote Jhar ki Jungle
Total Area			1.339	0.322	



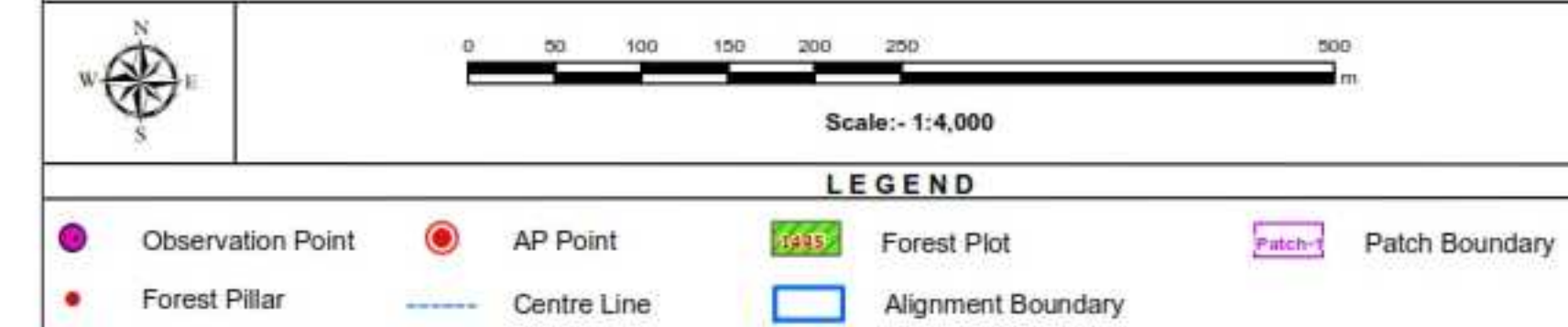
Legend

- Angle Point
- Line
- 33.5m Offset
- District Bound
- Block Bound
- Village Bound
- Landuse/Land
- ABADI
- GRAM ABADI
- GRASS AREA
- PARCEL
- RIVER
- ROAD
- SHAMSHAN
- TANK/BUND
- WATERBOD
- RAIL
- CANAL
- FOREST
- HILLY AREA

Spatial Planning & Analysis Research Centre Pvt. Ltd.
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted for 765KV D/C Jharsuguda (Sundargarh)-Raipur Transmission Line OF Odisha Generation Phase-II Transmission Limited (OGPTL) in Village Khusurlenga, Tahasil-Tamnar,Raigarh Forest Division, District-Raigarh,Chhatisgarh



CO-ORDINATES OF SCIPDGPS OBSERVATION POINT				
Point Id	Geographic Co-ordinates		UTM Co-ordinates	
	Longitude	Latitude	Eastgr	Northing
53	83°32'6.254195"	22°41'11.830196"	761605.27822	2442745.3156
54	83°33'17.970004"	22°41'13.180283"	763661.30583	2442821.2054
55	83°33'3.44303"	22°41'21.57083"	763260.09143	2441210.288
56	83°31'48.326638"	22°41'26.574342"	761114.25303	2441344.3381

CO-ORDINATES OF FOREST PILLAR					
Village Name	Pillar Id	UTM Co-ordinates		Geographic Co-ordinates	
		Eastgr	Northing	Longitude	Latitude
Patch-46					
Khusurlenga	F473	761935.049	2441028.811	83°32'16.75359"	22°41'15.878951"
Khusurlenga	F474	761934.147	2441033.872	83°32'16.707701"	22°41'15.69087"
Khusurlenga	F475	761858.725	2441010.284	83°32'14.82518"	22°41'15.318224"
Khusurlenga	F476	761860.011	2441077.416	83°32'14.166275"	22°41'17.498806"
Khusurlenga	F477	761913.810	2441072.842	83°32'16.38838"	22°41'17.321096"
Khusurlenga	F478	761918.269	2441035.295	83°32'16.172462"	22°41'16.98682"

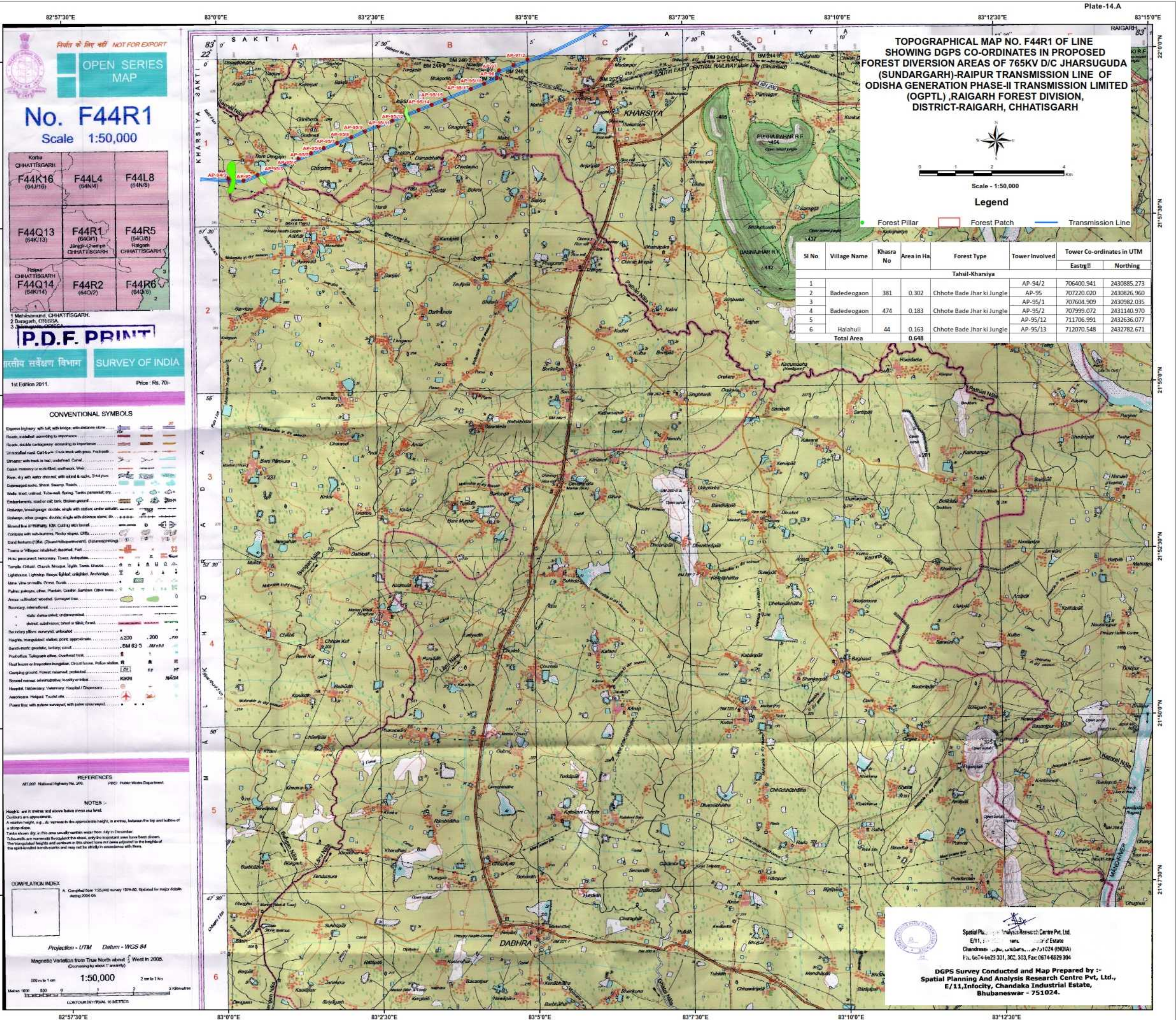
Area Statement:-

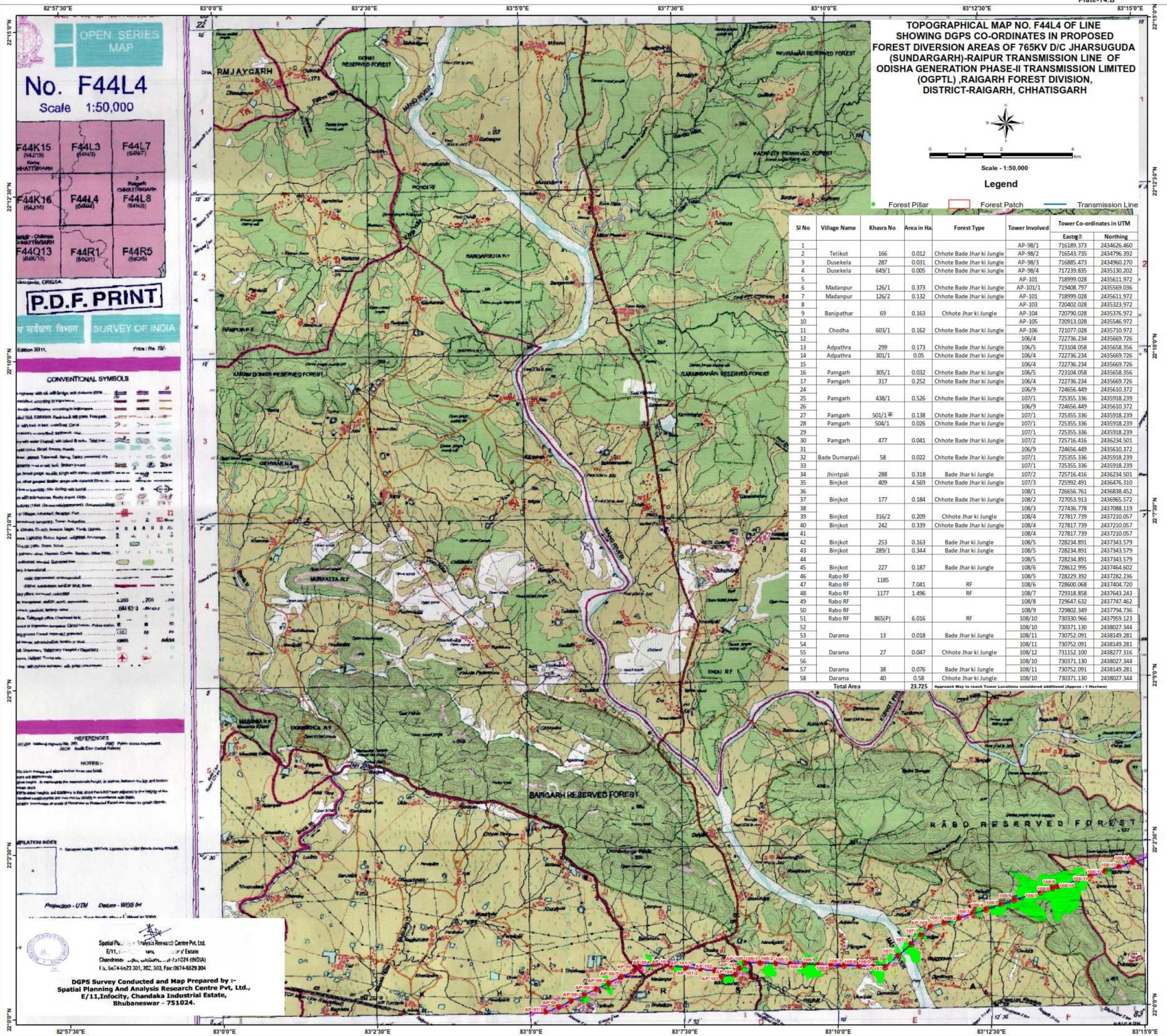
Village Name	Patch No	Khasra No	Total Area (Hectare)	DGPS Area (Hectare)	Type of Land
Khusurlenga	Patch-46	523	2.197	0.427	Chhote Jhar ki Jungle
Total Area			2.197	0.427	

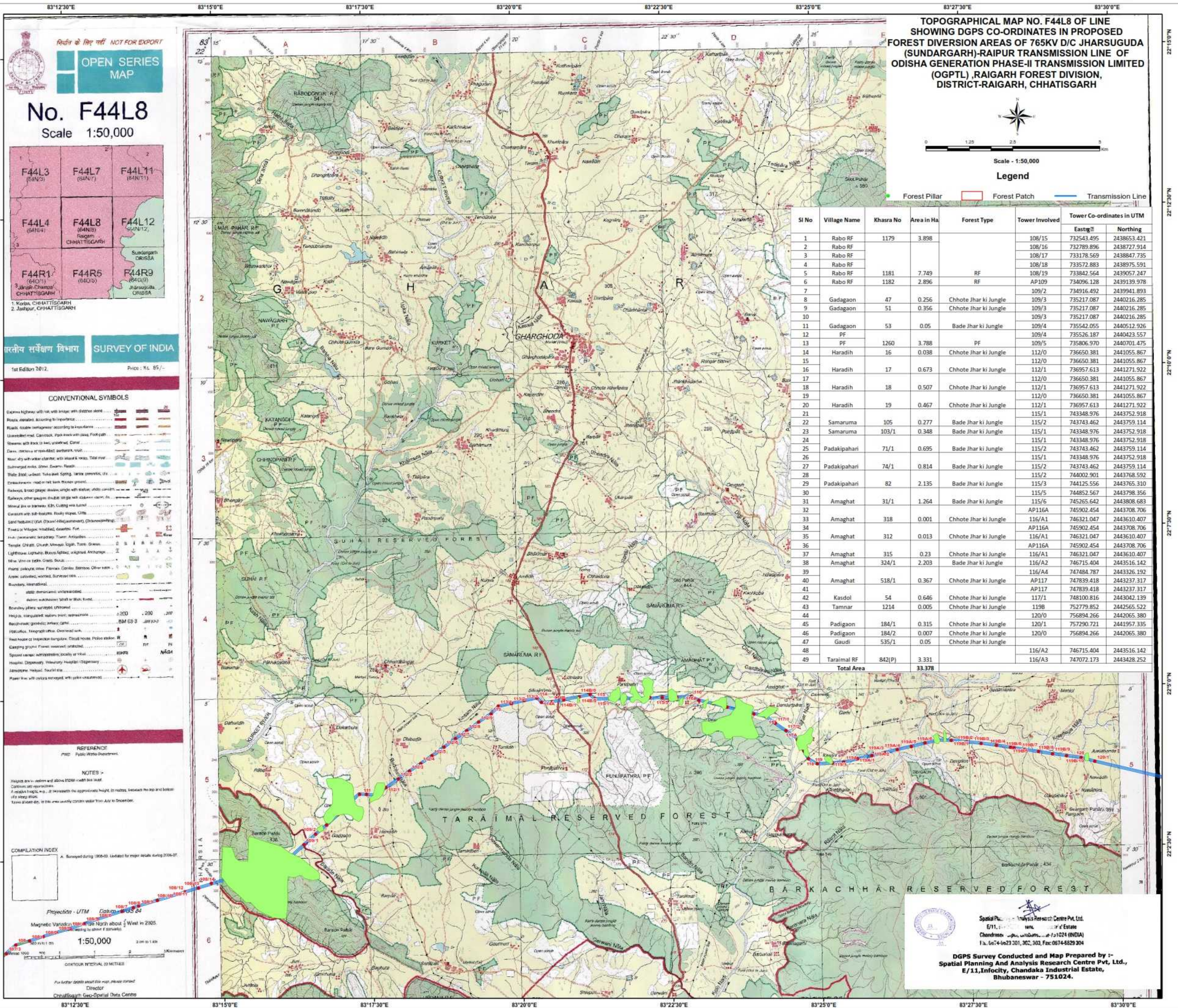


Spatial Planning & Analysis Research Centre Pvt. Ltd.
E/11, Industrial Estate, Chandrasekharpur, Bhubaneswar - 751024 (INDIA)
Ph: 0674-6629 301, 302, 303, Fax: 0674-6629 304

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11,Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.







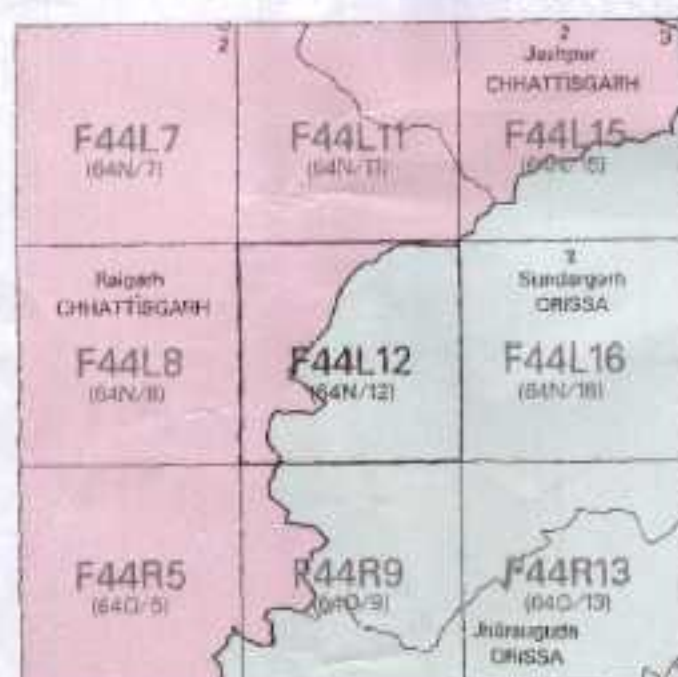


निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F44L12

Scale 1:50,000



1 Sambaspur, OHSSA

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009

Advance Print Copy
Price Rs. 50/-
PRICE ₹ 250/-

CONVENTIONAL SYMBOLS



NOTES

1. The map is a reproduction of the original map and is not a final product. It is subject to change without notice.

2. The map is a reproduction of the original map and is not a final product. It is subject to change without notice.

3. The map is a reproduction of the original map and is not a final product. It is subject to change without notice.

4. The map is a reproduction of the original map and is not a final product. It is subject to change without notice.

5. The map is a reproduction of the original map and is not a final product. It is subject to change without notice.

COMPILED INDEX

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

A. Surveyed during 1985-87. Updated for major details during 2004-05.

TOPOGRAPHICAL MAP NO. F44L12 OF LINE
SHOWING DGPS CO-ORDINATES IN PROPOSED
FOREST DIVERSION AREAS OF 765KV D/C JHARSUGUDA
(SUNDARGARH)-RAIPUR TRANSMISSION LINE OF
ODISHA GENERATION PHASE-II TRANSMISSION LIMITED
(OGPTL), RAIGARH FOREST DIVISION,
DISTRICT-RAIGARH, CHHATISGARH



Scale - 1:50,000

Legend

Forest Pillar Forest Patch Transmission Line

Sl No	Village Name	Khasra No	Area in Ha	Forest Type	Tower Involved	Tower Co-ordinates in UTM	
						Easting	Northing
1	Khusurlenga	523	0.427	Chhote Jhar ki Jungle	121/5	761942.563	2441040.995
Total Area			0.427				



Spatial Planning and Analysis Research Centre Pvt. Ltd.
E/11, 1st Floor, 1st Estate
Chandrasekhar, Bhubaneswar - 751024 (INDIA)
Ph. 0674-6629301, 302, 303, Fax: 0674-6629304

DGPS Survey Conducted and Map Prepared by:-
Spatial Planning and Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.