

CHHATTISGARH BHARATNET PHASE-II PROJECT

LiDAR/DGPS SURVEY REPORT FOR RAIGARH FOREST DIVISION FOR DIVERSION OF PROPOSED OFC ROUTES

Forest Division : RAIGARH
Forest Land (RF/PF/OA) : 8.477 Ha.
Rev. Forest Land : 0.329 Ha.
Total Proposed Diversion Area : 8.806 Ha.
Block : BARAMKELA , RAIGARH AND
TAMNAR
District : RAIGARH (C.G.)

Applicant -



**Chhattisgarh Infotech Promotion Society (CHiPS)
Raipur (Chhattisgarh)**

Submitted By -



TATA PROJECTS

Tata Projects Limited, Raipur (Chhattisgarh)




वन मण्डलाधिकारी
रायगढ़, वनमण्डल

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1. Introduction and Background

1.1. Background

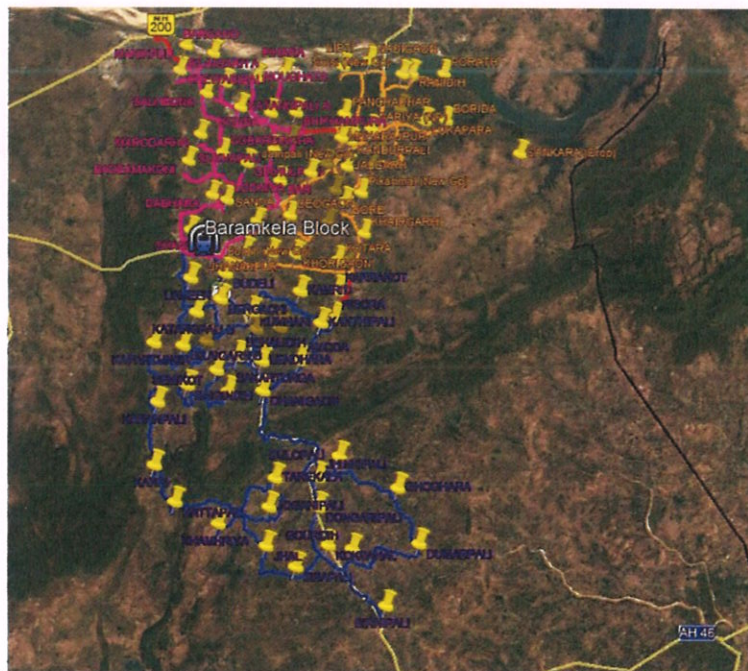
The Government of Chhattisgarh intends to setup an Optical Fibre Cable Network from the Block Head Quarters to Gram Panchayats to provide high speed broadband connectivity by connecting the 85 Blocks, 5987 Gram Panchayats across the State. The proposed network architecture for BharatNet Phase-II project follows ring architecture with Internet Protocol – Multi Protocol Label Switching (IP-MPLS) technology. The network shall be leveraged to deliver scalable bandwidth to households, institutions and enterprises. It is planned to have an IP-MPLS ring at GP level with provisioning of 6 dedicated core of fibre as mandated by Government of India.

The Chhattisgarh Infotech Promotion Society (CHIPS), a Registered Society promoted by the Government of Chhattisgarh, is the nodal agency and prime mover for propelling IT growth and implementation of IT plans in the State.

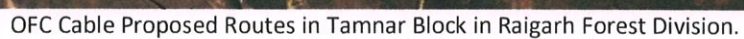
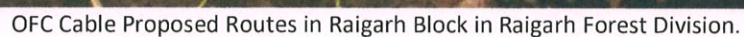
The Chhattisgarh Infotech Promotion Society (CHIPS) has selected an implementation partner “**Tata Project Limited**” for BharatNet Phase-II Project. The project has been conceived with the ambitious vision of providing connectivity to the yet unreachable blocks in Chhattisgarh and entails massive investment on the infrastructure creation across the state which would serve as the information highway for decades to come.

1.2. Proposed Routes

The proposed routes in Baramkela, Raigarh and Tamnar block with in Raigarh Forest Division.



OFC Cable Proposed Routes in Bharamkela Block in Raigarh Forest Division.



1.3. Location

The proposed OFC Cable route in Raigarh Forest Division (The OFC route Baramkela, Raigarh and Tamnar, Block; District: Raigarh). The Proposed OFC route length is approx. 316.458 Km in Baramkela, 309.919 km in Raigarh and 300.117 km in Tamnar Block hence Total route lengths is 926.494 km. The survey site passes through forest ranges Ghargoda, Kharsiya, Raigarh, Sarangarh, and Tamnar in Raigarh Forest Division. The OFC Cable route is covered under Survey of India Toposheets 64 N04, 64 N07, 64 N08, 64 N012, 64 O01, 64 O02, 64 O03, and 64 O05, 64 O06, 64 O07, and 64 O09 on RF 1:50000.

1.4. Objectives

As per directives of Ministry of Environment & Forests (MoEF) dated 8th July 2011; all applications for Forest Diversion, under Forest Conservation Act, 1980 must be accompanied with Geo-referenced shape file, showing the boundary of the proposed area (both soft copy and hard copy maps), prepared using LiDAR/Differential GPS (DGPS) and the same should be uploaded to MoEF website along with the online application.

To meet this requirement, **Tata Project Limited** entrusted the DGPS survey work to **Genesys International Corporation Limited, Mumbai** through Mobile LiDAR Technology.

2. Scope of Work

1. Establishment of Ground Control Pointy with 72 Hours observation which covering approx. 15 km radios of the proposed route.
2. DGPS Survey for collection of ground coordinates along the proposed OFC Cable trench at every 200 m interval and/or at every turn/bend along the proposed trench. The DGPS data is collected at forest patches only.
3. Data processing and Interpretation
 - I. Geo-referencing of SOI Toposheet (scale 1:50000).
 - II. Creation of OFC Cable trench boundary vector map using the DGPS Surveyed data
 - III. Computation of Forest area and preparation of Forest Area Statement for proposed diversion. It includes Reserved/Protected Forest/ Orange Area & Revenue Forest Land.
 - IV. Preparation of Geo-referenced map showing proposed OFC Route.
 - V. Superimposition of cable route layer on Geo-referenced SOI Toposheet (scale 1:50000).
 - VI. Preparation of DGPS survey report along with soft copy of maps including shapefile format and kml file.
4. Preparation of Desired report, Geo-referenced maps and Technical compliance in Hard copy and soft copy.

3. Deliverables

The deliverables envisaged for the assignment are described below -

1. Proposed Forest Diversion area statement as per LiDAR / DGPS Survey of proposed OFC route.
2. Geo-referenced map showing proposed OFC route in forest area and superimposed on SOI maps based on LiDAR / DGPS observations – Hard and Soft Copy (Maps in PDF format, SHP and KML formats).
3. LiDAR / DGPS Survey and Mapping Reports containing Ground Control Points report as the primary Control Points.
4. DGPS Survey and mapping report on hard copy and soft copy in CD.

4. Technical Approach

4.1. GCP Establishment for LiDAR (DGPS) Survey:

DGPS Survey with high precision equipment was used in blocks to bring mapping in to a single co-ordinates system. These Ground Control Point (GCPs) were connected to the Mobile LiDAR Mapping for accuracy purpose. The Ground Control Point required for eliminates the traditional mapping. The system can achieve millimeter accuracy of vehicle positioning, 3-D coordinates, and objects measured from the Geo-referenced image sequences. The Ground Control Point with 72 Hours of DGPS observation for Post Processing the GCP data with International GNSS Service (IGS) stations.

4.2. Mobile LiDAR (DGPS) data collection:

DGPS based Mobile LiDAR data was collected along with 360 degree panoramic view of the OFC route corridor (25 meter on each side along the center of the road).



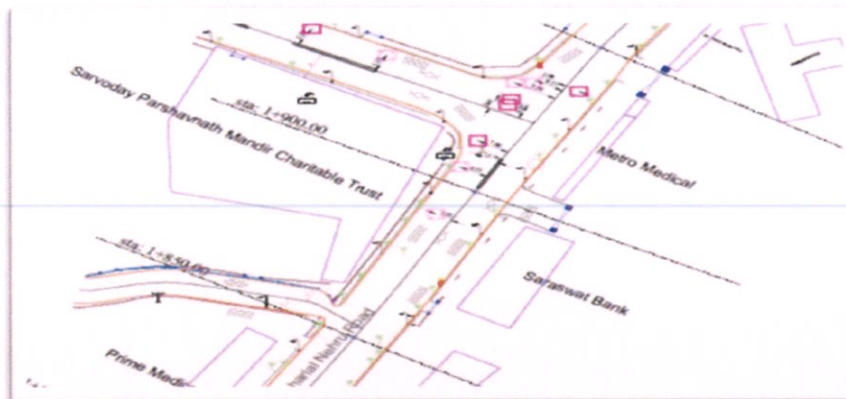
Mobile LiDAR Van

4.3. DRS / GIS Map Creation Using LiDAR data:

All the features along the route are captured using LiDAR data and Panoramic Imagery to create the DRS / GIS Map.



Feature Extraction on LiDAR



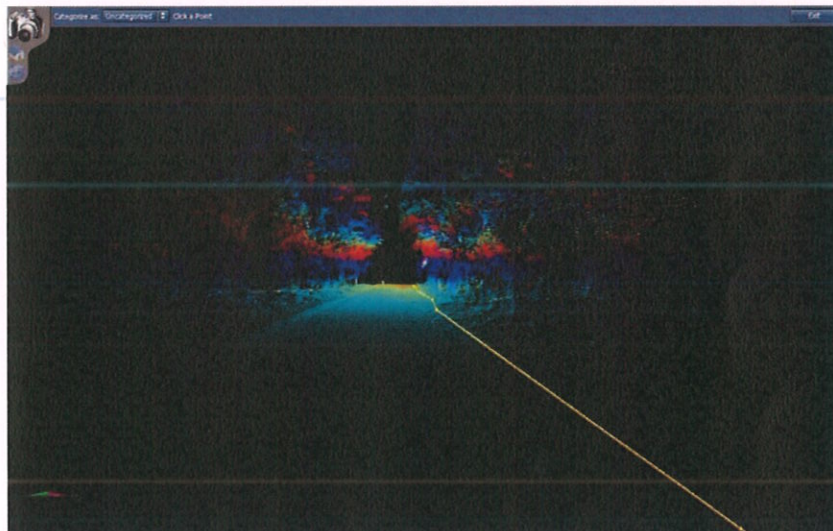
Final DRS / GIS Map

4.4. Demarcation of Proposed OFC on LiDAR data:

Proposed OFC line is demarcated based on the feasibility of trenching to be done on ground by referring the LiDAR data with the panoramic imagery.



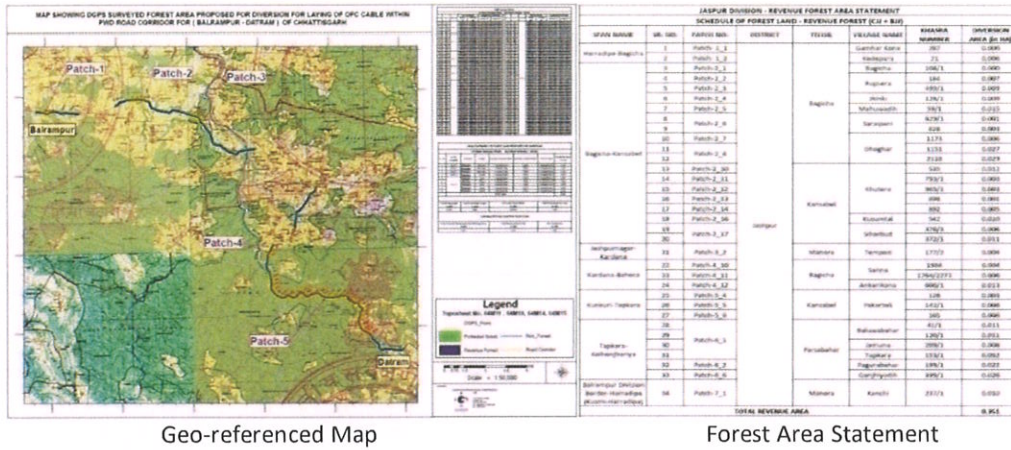
Proposed OFC Line on LiDAR Data (with Panoramic Imagery)



Proposed OFC Line on LiDAR Data only

4.7. Generation of Map and Survey Reports for Forest Diversion

A map is created by overlaying the created vector data for the forest patches on the Geo-referenced SOI Toposheets. The reports are generated for DGPS Points (with Lat/long) placed at the regular intervals of 100 m on the proposed OFC route in the forest area. Another report is generated having area calculation for the proposed trench area in different type of Forest Lands. Samples of these are as below.



5. DGPS Survey Results

The total OFC route length is approx. 962.494 km. covered Baramkela, Raigarh and Tamnar Block of Raigarh District. Out of this 750.382 km OFC route length is passing through non-forest Land and 176.112 km OFC route length is passing through Forest Patches hence the proposed forest area for diversion 8.606 Ha. Forest Area Statement Report is in Annexure-1, and DGPS coordinates and forest patch boundary coordinates is in Annexure-2. The geo-referenced maps are in Annexure -3.

5.1. Forest Area Statement (Annexure-1)

Forest Area Statement – Baramkela , Raigarh and Tamnar Block with in Raigarh Forest Division, District - Raigarh						
Total Route Length (in km.)	Length of Non Forest Land (in km)	Width of Non Forest Land (in km)	Area of Non-Forest Land (in Ha.)	Length of Forest Land (in km.)	Width of Forest Land (in km.)	Area of Proposed Forest Land (in Ha.)
926.494	750.382	0.0005	37.519	176.112	0.0005	8.806

Raigarh Forest Division – Total Forest Area for Diversion Proposal						
Sl. No.	Forest Division	Forest range	No of Compartment	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
1	Raigarh	Ghargoda	7	8513.905	0.5	0.426
2	Raigarh	Kharsiya	2	9260.803	0.5	0.463
3	Raigarh	Raigarh	50	70146.803	0.5	3.507
4	Raigarh	Sarangarh	21	38152.709	0.5	1.908
5	Raigarh	Tamnar	39	43454.053	0.5	2.1734
Total of Table A				169528.273	0.5	8.477
Sl. No.	District	Block	No of Khasra	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
1	Raigarh	Baramkela	19	2594.265	0.5	0.130
2	Raigarh	Raigarh	7	1470.602	0.5	0.074
3	Raigarh	Tamnar	7	2518.938	0.5	0.125
Total of Table B				6583.805	0.5	0.329
Total Diversion Area (Table A+TableB)				176112.078	0.5	8.806

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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
1	29	Tamnar	Raigarh	Gadgaon To Taraimalc	Ghargoda	PF	1260P	2379.363	0.5	0.119
2	29	Tamnar	Raigarh	Gadgaon To Taraimalc	Ghargoda	PF	1260P	141.773	0.5	0.007
3	30	Tamnar	Raigarh	Gadgaon To Taraimalc	Ghargoda	RF	1275	1320.615	0.5	0.066
4	35	Tamnar	Raigarh	Noondarha To Pelma	Ghargoda	PF	1357P	1220.650	0.5	0.061
5	35	Tamnar	Raigarh	Noondarha To Pelma	Ghargoda	PF	1349P	1804.550	0.5	0.09
6	35	Tamnar	Raigarh	Noondarha To Pelma	Ghargoda	PF	1353OA	603.281	0.5	0.03
7	35	Tamnar	Raigarh	Noondarha To Pelma	Ghargoda	PF	1354P	1043.673	0.5	0.053
Total -							7	8513.905	0.5	0.426
8	27	Tamnar	Raigarh	Barpali To Jivri	Kharsiya	RF	1183	7724.902	0.5	0.386
9	27	Tamnar	Raigarh	Barpali To Jivri	Kharsiya	RF	1182	1535.901	0.5	0.077
Total -							2	9260.803	0.5	0.463
10	14	Raigarh	Raigarh	Mahapalli To Banora	Raigarh	OA	1001OA	341.047	0.5	0.017
11	14	Raigarh	Raigarh	Mahapalli To Banora	Raigarh	OA	1001OA	2186.590	0.5	0.109
12	15	Raigarh	Raigarh	Kolaibahal To Koylanga	Raigarh	PF	994P	2259.326	0.5	0.113
13	15	Raigarh	Raigarh	Kolaibahal To Koylanga	Raigarh	PF	994P	916.610	0.5	0.046
14	16	Raigarh	Raigarh	Manwapali To Kolaibahal	Raigarh	OA	986OA	1507.597	0.5	0.075
15	16	Raigarh	Raigarh	Manwapali To Sapnai	Raigarh	PF	982P	3682.830	0.5	0.184
16	17	Raigarh	Raigarh	Jharguda To Sapnai	Raigarh	OA	958OA	1794.219	0.5	0.090
17	18	Raigarh	Raigarh	Tilga To Jharguda	Raigarh	OA	957OA	2435.049	0.5	0.122



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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
18	18	Raigarh	Raigarh	Tilga To Jharguda	Raigarh	PF	951P	4357.635	0.5	0.218
19	18	Raigarh	Raigarh	Tilga To Jharguda	Raigarh	OA	957OA	1981.166	0.5	0.099
20	18	Raigarh	Raigarh	Tilga To Jharguda	Raigarh	PF	951P	393.948	0.5	0.020
21	19	Raigarh	Raigarh	Kotmar To Bhagora	Raigarh	PF	971P	290.542	0.5	0.015
22	19	Raigarh	Raigarh	Bhagora To Bhagora	Raigarh	PF	972P	1748.760	0.5	0.087
23	20	Raigarh	Raigarh	Raigarh To Pandaripani E	Raigarh	RF	1010	611.352	0.5	0.031
24	20	Raigarh	Raigarh	Vijaipur To Regada	Raigarh	RF	966	914.361	0.5	0.046
25	20	Raigarh	Raigarh	Vijaipur To Regada	Raigarh	PF	964P	523.910	0.5	0.026
26	21	Raigarh	Raigarh	Sambalपुर To Nawagaon	Raigarh	RF	927	2783.785	0.5	0.138
27	21	Raigarh	Raigarh	Sambalपुर To Nawagaon	Raigarh	PF	949P	2807.841	0.5	0.140
28	21	Raigarh	Raigarh	Sambalपुर To Nawagaon	Raigarh	RF	927	197.518	0.5	0.010
29	21	Raigarh	Raigarh	Sambalपुर To Nawagaon	Raigarh	RF	928	2356.445	0.5	0.118
30	22	Raigarh	Raigarh	Bhelwatikara To Barlia	Raigarh	PF	933P	451.613	0.5	0.023
31	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	OA	945OA	2076.211	0.5	0.104
32	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	PF	936P	178.834	0.5	0.009
33	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	PF	931P	962.173	0.5	0.048
34	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	RF	923	1061.436	0.5	0.053
35	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	RF	902	2036.178	0.5	0.102
36	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	RF	925	250.441	0.5	0.013


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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
37	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	RF	928	1795.690	0.5	0.090
38	22	Raigarh	Raigarh	Urdana To Bhagwanpur	Raigarh	RF	896	629.474	0.5	0.031
39	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	PF	809P	3627.849	0.5	0.181
40	22	Raigarh	Raigarh	Barlia To Nawagaon	Raigarh	PF	809P	275.088	0.5	0.014
41	23	Raigarh	Raigarh	Kushwabahari To Kerajhar	Raigarh	RF	870	863.654	0.5	0.043
42	23	Raigarh	Raigarh	Kerajhar To Khairpur	Raigarh	OA	876OA	1226.783	0.5	0.061
43	23	Raigarh	Raigarh	Kerajhar To Khairpur	Raigarh	RF	885	49.815	0.5	0.002
44	23	Raigarh	Raigarh	Kushwabahari To Kerajhar	Raigarh	RF	872	1674.589	0.5	0.084
45	23	Raigarh	Raigarh	Chraipani To Kokdotarai	Raigarh	OA	877OA	392.915	0.5	0.020
46	23	Raigarh	Raigarh	Kerajhar To Khairpur	Raigarh	RF	886	1158.231	0.5	0.058
47	23	Raigarh	Raigarh	Kerajharto Khairpur	Raigarh	RF	892	3303.830	0.5	0.165
48	23	Raigarh	Raigarh	Kerajhar To Khairpur	Raigarh	OA	876OA	780.064	0.5	0.039
49	23	Raigarh	Raigarh	Kerajhar To Khairpur	Raigarh	RF	872	248.628	0.5	0.012
50	23	Raigarh	Raigarh	Kerajhar To Khairpur	Raigarh	RF	892	151.396	0.5	0.008
51	24	Tamnar	Raigarh	Delari To Lakha	Raigarh	PF	929P	907.342	0.5	0.045
52	25	Tamnar	Raigarh	Delari To Lakha	Raigarh	PF	881P	2157.294	0.5	0.108
53	25	Tamnar	Raigarh	Delari To Lakha	Raigarh	OA	878OA	1210.129	0.5	0.061
54	25	Tamnar	Raigarh	Delari To Lakha	Raigarh	PF	881P	1653.398	0.5	0.083
55	27	Tamnar	Raigarh	Barpali To Jivri	Raigarh	RF	882	1951.698	0.5	0.097

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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
56	42	Tamnar	Raigarh	Padigoan To Jobro	Raigarh	RF	919	320.058	0.5	0.016
57	43	Tamnar	Raigarh	Taraimal To Kasdol	Raigarh	RF	898	1449.352	0.5	0.072
58	43	Tamnar	Raigarh	Taraimal To Kasdol	Raigarh	RF	899	1510.394	0.5	0.076
59	43	Tamnar	Raigarh	Taraimal To Kasdol	Raigarh	PF	806P	1701.716	0.5	0.085
Total-							50	70146.803	0.5	3.507
60	1	Baramkela	Raigarh	Gourdih To Birnipali	Sarangarh	RF	1122	3282.379	0.5	0.164
61	2	Baramkela	Raigarh	Dongaripali To Jhinkipali	Sarangarh	PF	1115P	835.383	0.5	0.042
62	3	Baramkela	Raigarh	Dongaripali To Jhinkipali	Sarangarh	PF	1116P	825.46	0.5	0.041
63	4	Baramkela	Raigarh	Dulopali To Ghoghara	Sarangarh	OA	1120OA	551.54	0.5	0.028
64	4	Baramkela	Raigarh	Dulopali To Ghoghara	Sarangarh	OA	1119OA	1364.247	0.5	0.068
65	4	Baramkela	Raigarh	Dulopali To Ghoghara	Sarangarh	OA	1118OA	471.141	0.5	0.025
66	5	Baramkela	Raigarh	Dhanigaon To Dulopali	Sarangarh	RF	1107	1387.629	0.5	0.069
67	5	Baramkela	Raigarh	Dhanigaon To Dulopali	Sarangarh	RF	1108	1468.002	0.5	0.073
68	5	Baramkela	Raigarh	Dhanigaon To Dulopali	Sarangarh	PF	1101P	2346.768	0.5	0.117
69	5	Baramkela	Raigarh	Dhanigaon To Dulopali	Sarangarh	RF	1110	2880.272	0.5	0.144
70	6	Baramkela	Raigarh	Kanthipali To Dhanigaon	Sarangarh	PF	1103P	1595.704	0.5	0.08
71	7	Baramkela	Raigarh	Manikpur To Sahaspuri	Sarangarh	PF	1064P	1978.456	0.5	0.099
72	10	Baramkela	Raigarh	Baigindih To Baigindih	Sarangarh	PF	1100P	3509.157	0.5	0.175
73	11	Baramkela	Raigarh	Karpi To Tarekala	Sarangarh	PF	1080P	3408.573	0.5	0.17

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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
74	11	Baramkela	Raigarh	Hattapali To Karanpali	Sarangarh	PF	1079	836.155	0.5	0.042
75	12	Baramkela	Raigarh	Karpi To Tarekala	Sarangarh	PF	1097P	5121.769	0.5	0.256
76	12	Baramkela	Raigarh	Karpi To Tarekala	Sarangarh	RF	1091	600.319	0.5	0.03
77	12	Baramkela	Raigarh	Karpi To Tarekala	Sarangarh	RF	1092	1191.812	0.5	0.06
78	12	Baramkela	Raigarh	Karpi To Tarekala	Sarangarh	RF	1084	1152.695	0.5	0.058
79	12	Baramkela	Raigarh	Karpi To Tarekala	Sarangarh	PF	1098P	1740.565	0.5	0.087
80	13	Baramkela	Raigarh	Joganipali To Jhinkipali	Sarangarh	RF	1112	1604.683	0.5	0.08
Total -							21	38152.709	0.5	1.908
81	26	Tamnar	Raigarh	Saraipali To Delari	Tamnar	PF	818P	978.127	0.5	0.049
82	28	Tamnar	Raigarh	Gadgaon To Saraipali	Tamnar	RF	829	907.791	0.5	0.045
83	29	Tamnar	Raigarh	Gadgaon To Taraimal	Tamnar	PF	825P	1364.905	0.5	0.068
84	31	Tamnar	Raigarh	Gadgaon To Taraimal	Tamnar	RF	846	1200.606	0.5	0.06
85	31	Tamnar	Raigarh	Gadgaon To Taraimal	Tamnar	OA	845OA	233.287	0.5	0.012
86	31	Tamnar	Raigarh	Gadgaon To Taraimal	Tamnar	RF	847	728.697	0.5	0.036
87	32	Tamnar	Raigarh	Taraimal To Aamaghat	Tamnar	RF	838	1024.332	0.5	0.051
88	32	Tamnar	Raigarh	Taraimal To Aamaghat	Tamnar	PF	844P	3263.969	0.5	0.163
89	33	Tamnar	Raigarh	Taraimal To Aamaghat	Tamnar	PF	842P	386.654	0.5	0.019
90	33	Tamnar	Raigarh	Kachckoba To Aamaghat	Tamnar	PF	851P	3265.097	0.5	0.163
91	34	Tamnar	Raigarh	Dolesara To Barkaspali	Tamnar	OA	860OA	285.273	0.5	0.015

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Table A - Area statement for proposed forest Patches – Protected / Reserve / Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
92	34	Tamnar	Raigarh	Noondarha To Pelma	Tamnar	PF	864P	3667.758	0.5	0.183
93	36	Tamnar	Raigarh	Noondarha To Pelma	Tamnar	RF	758	728.009	0.5	0.036
94	36	Tamnar	Raigarh	Noondarha To Pelma	Tamnar	PF	754P	1328.287	0.5	0.066
95	37	Tamnar	Raigarh	Urba To Hinjhar	Tamnar	PF	749P	1217.352	0.5	0.061
96	37	Tamnar	Raigarh	Hinjhar To Lalpur	Tamnar	PF	748P	87.179	0.5	0.004
97	37	Tamnar	Raigarh	Hinjhar To Lalpur	Tamnar	PF	747P	97.401	0.5	0.005
98	37	Tamnar	Raigarh	Pelma To Urba	Tamnar	RF	725	1008.593	0.5	0.05
99	37	Tamnar	Raigarh	Pelma To Urba	Tamnar	PF	752P	447.699	0.5	0.022
100	37	Tamnar	Raigarh	Urba To Hinjhar	Tamnar	PF	749P	1060.425	0.5	0.054
101	38	Tamnar	Raigarh	Kondkel To Milupara	Tamnar	RF	784	1707.793	0.5	0.085
102	38	Tamnar	Raigarh	Kondkel To Milupara	Tamnar	RF	722	690.268	0.5	0.035
103	39	Tamnar	Raigarh	Bazarmuda To Milupara	Tamnar	PF	738P	1457.102	0.5	0.073
104	39	Tamnar	Raigarh	Bazarmuda To Milupara	Tamnar	PF	743P	619.116	0.5	0.031
105	39	Tamnar	Raigarh	Bazarmuda To Milupara	Tamnar	RF	722	238.818	0.5	0.012
106	39	Tamnar	Raigarh	Bazarmuda To Milupara	Tamnar	PF	743P	1323.225	0.5	0.066
107	40	Tamnar	Raigarh	Bazarmuda To Mudagaon	Tamnar	PF	739P	501.207	0.5	0.025
108	40	Tamnar	Raigarh	Bazarmuda To Mudagaon	Tamnar	PF	740	1023.494	0.5	0.051
109	40	Tamnar	Raigarh	Bazarmuda To Mudagaon	Tamnar	PF	739P	11.348	0.5	0.001
110	40	Tamnar	Raigarh	Bazarmuda To Mudagaon	Tamnar	PF	741P	1636.423	0.5	0.082

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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
111	41	Tamnar	Raigarh	Kunjemura To Jhinkabahal	Tamnar	PF	745P	1336.606	0.5	0.067
112	41	Tamnar	Raigarh	Kunjemura To Jhinkabahal	Tamnar	PF	745P	433.457	0.5	0.022
113	41	Tamnar	Raigarh	Kunjemura To Peta	Tamnar	PF	744P	810.035	0.5	0.041
114	41	Tamnar	Raigarh	Kunjemura To Peta	Tamnar	PF	744P	877.746	0.5	0.044
115	42	Tamnar	Raigarh	Libra To Dhourabhantha	Tamnar	PF	796P	1007.7	0.5	0.05
116	42	Tamnar	Raigarh	Janjgir To Aamgaou	Tamnar	PF	793P	990.438	0.5	0.05
117	43	Tamnar	Raigarh	Taraimal To Kasdol	Tamnar	PF	807P	1062.339	0.5	0.053
118	43	Tamnar	Raigarh	Taraimal To Kasdol	Tamnar	PF	810P	2270.69	0.5	0.114
119	44	Tamnar	Raigarh	Taraimal To Gerwani	Tamnar	RF	834	2174.807	0.5	0.109
Total							39	43454.05278	0.5	2.173
Grand Total-							119	169528.273	0.5	8.477

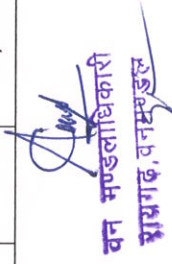


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Table B - Area statement for proposed forest Patches – Revenue Forest land (Chhote / Bade Jhad ka Jangal)										
Sl No.	Patch	District	Block	Route Name	Village	Type	Khasra No	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
1	2	Raigarh	Baramkela	Jhinkipali To Dongaripali	Dongripali	CJJ	183/1	396.575	0.5	0.020
2	2	Raigarh	Baramkela	Jhinkipali To Dongaripali	Jhikipali	CJJ	257	198.723	0.5	0.010
3	4	Raigarh	Baramkela	Ghoghara To Dulopali	Sonbala	CJJ	79/1	18.469	0.5	0.001
4	4	Raigarh	Baramkela	Ghoghara To Dulopali	Sonbala	CJJ	86	35.621	0.5	0.002
5	4	Raigarh	Baramkela	Ghoghara To Dulopali	Sonbala	CJJ	89	136.384	0.5	0.007
6	4	Raigarh	Baramkela	Ghoghara To Dulopali	Sonbala	CJJ	97	161.328	0.5	0.008
7	5	Raigarh	Baramkela	Dhanigaon To Dulopali	Damdama	CJJ	271	102.581	0.5	0.005
8	5	Raigarh	Baramkela	Dhanigaon To Dulopali	Damdama	CJJ	273	20.508	0.5	0.001
9	5	Raigarh	Baramkela	Dhanigaon To Dulopali	Dulapali	CJJ	33	221.964	0.5	0.011
10	7	Raigarh	Baramkela	Chewaripali To Manikpur	Manikpur	CJJ	278/2	272.458	0.5	0.014
11	7	Raigarh	Baramkela	Linjeer To Baramkela	Rohinpani	CJJ	8	48.625	0.5	0.002
12	8	Raigarh	Baramkela	Marodarha To Badeamakoni	Amakoni Bade	CJJ	159/1	186.626	0.5	0.009
13	9	Raigarh	Baramkela	Dabhara To Chantipali	Dabhara	CJJ	445	43.651	0.5	0.002
14	9	Raigarh	Baramkela	Dabhara To Chantipali	Dabhara	CJJ	475/2	255.032	0.5	0.013
15	11	Raigarh	Baramkela	Karpi To Hattapali	Amalipali	CJJ	81/3	45.943	0.5	0.002
16	11	Raigarh	Baramkela	Karpi To Karanpali	Tekapathar	CJJ	73/1	86.055	0.5	0.004
17	11	Raigarh	Baramkela	Karpi To Karanpali	Tekapathar	BIJ	55/1	39.896	0.5	0.002
18	12	Raigarh	Baramkela	Jhinkipali To Tarekela	Tarekela	CJJ	18/1	151.200	0.5	0.008
19	12	Raigarh	Baramkela	Jhinkipali To Tarekela	Tarekela	CJJ	22	172.626	0.5	0.009
Total-							19	2594.265	0.5	0.130
20	15	Raigarh	Raigarh	Kukurda To Jamgaon	Jamgaon	CJJ	712/1	808.237	0.5	0.041


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Table B - Area statement for proposed forest patches – Revenue Forest land (Chhote / Bade Jhad ka Jangal)

Sl No.	Patch	District	Block	Route Name	Village	Type	Khasra No	Length (in m.)	Width (in m.)	Proposed Area (in Ha.)
21	16	Raigarh	Raigarh	Kolaibahal To Manwapali	Jamgaon	CJJ	200/1	336.677	0.5	0.017
22	16	Raigarh	Raigarh	Manwapali To Sapnai	Sapanai	BJJ	163	24.331	0.5	0.001
23	17	Raigarh	Raigarh	Jharguda To Sapnai	Sapanai	CJJ	69	29.868	0.5	0.001
24	17	Raigarh	Raigarh	Jharguda To Sapnai	Sapanai	CJJ	71	17.999	0.5	0.001
25	19	Raigarh	Raigarh	Bhagora To Kotmar	Bhagora	CJJ	340/1	227.610	0.5	0.012
26	22	Raigarh	Raigarh	Lakha To Barlia	Danot	CJJ	191	25.880	0.5	0.001
Total-							7	1470.602	0.5	0.074
27	29	Raigarh	Tamnar	Gadgaon To Rabo	Gadgaon	CJJ	63	289.343	0.5	0.014
28	29	Raigarh	Tamnar	Gadgaon To Rabo	Gadgaon	CJJ	47	219.549	0.5	0.011
29	37	Raigarh	Tamnar	Urba To Pelma	Uraba	BJJ	277/1	345.216	0.5	0.016
30	37	Raigarh	Tamnar	Urba To Pelma	Uraba	CJJ	403/1	1015.746	0.5	0.052
31	37	Raigarh	Tamnar	Urba To Pelma	Uraba	CJJ	415	329.658	0.5	0.016
32	42	Raigarh	Tamnar	Jobro To Padigoan	Jobaro	CJJ	256/9	163.268	0.5	0.008
33	42	Raigarh	Tamnar	Libra To Sarasmal	Libara	CJJ	201/3	156.158	0.5	0.008
Total-							7	2518.938	0.5	0.125
Grand Total-							33	6583.805	0.5	0.329

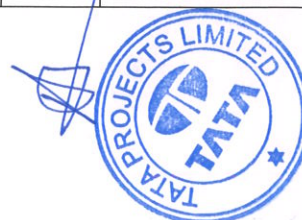

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5.2. LiDAR/DGPS Surveyed coordinates of Forest Patches (Annexure-2)

Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P1	1	21°22'10.54550"	83°21'13.00941"	P51	4	21°26'10.78485"	83°21'15.29334"
P2	1	21°22'16.85121"	83°21'11.40078"	P52	4	21°25'55.88966"	83°21'26.19782"
P3	1	21°22'23.13935"	83°21'09.70742"	P53	4	21°25'55.37959"	83°21'26.53532"
P4	1	21°22'28.94227"	83°21'06.65042"	P54	4	21°25'56.89437"	83°21'25.58355"
P5	1	21°22'34.30066"	83°21'02.72402"	P55	4	21°25'55.88966"	83°21'26.19782"
P6	1	21°22'39.75636"	83°20'58.95077"	P56	4	21°25'53.78869"	83°21'28.88497"
P7	1	21°22'44.26411"	83°20'54.18972"	P57	4	21°25'53.37694"	83°21'33.59189"
P8	1	21°22'47.68661"	83°20'48.54385"	P58	4	21°25'53.21915"	83°21'34.72458"
P9	1	21°22'40.28222"	83°20'58.89763"	P59	4	21°25'53.40928"	83°21'40.45755"
P10	1	21°22'34.80271"	83°21'02.62015"	P60	5	21°27'21.67239"	83°19'22.80912"
P11	1	21°22'29.43408"	83°21'06.53340"	P61	5	21°27'19.85948"	83°19'29.47377"
P12	1	21°22'23.73283"	83°21'09.79658"	P62	5	21°27'18.21438"	83°19'36.19140"
P13	1	21°22'17.44263"	83°21'11.47188"	P63	5	21°27'16.44752"	83°19'42.87375"
P14	1	21°22'11.12218"	83°21'13.03580"	P64	5	21°27'14.87413"	83°19'49.60894"
P15	1	21°22'54.81971"	83°20'58.98106"	P65	5	21°27'10.12922"	83°19'54.09078"
P16	1	21°22'50.20253"	83°20'54.90600"	P66	5	21°27'04.02990"	83°19'54.44602"
P17	1	21°22'44.02647"	83°20'57.05129"	P67	5	21°26'58.21441"	83°19'52.60546"
P18	1	21°22'41.54514"	83°20'57.99203"	P68	5	21°27'30.24360"	83°18'36.95406"
P19	2	21°25'02.98197"	83°19'52.67000"	P69	5	21°27'29.94112"	83°18'43.86834"
P20	2	21°24'56.51115"	83°19'53.28174"	P70	5	21°27'28.78142"	83°18'50.47564"
P21	2	21°24'50.52856"	83°19'51.91533"	P71	5	21°27'23.48720"	83°18'54.47534"
P22	2	21°24'44.65213"	83°19'49.26537"	P72	5	21°27'20.67268"	83°19'00.68408"
P23	2	21°24'38.28516"	83°19'47.92017"	P73	5	21°27'22.15147"	83°19'07.36010"
P24	2	21°24'37.19202"	83°19'47.53859"	P74	5	21°27'23.97212"	83°19'13.83535"
P25	2	21°24'37.19202"	83°19'47.53859"	P75	5	21°27'22.29064"	83°19'20.54235"
P26	2	21°24'33.27503"	83°19'45.85568"	P76	5	21°27'21.67239"	83°19'22.80912"
P27	2	21°24'27.55577"	83°19'42.83119"	P77	5	21°28'57.86584"	83°17'45.46686"
P28	2	21°25'13.03134"	83°19'51.97885"	P78	5	21°28'59.74895"	83°17'50.56399"
P29	2	21°25'06.58053"	83°19'52.14280"	P79	5	21°28'53.76218"	83°17'52.84228"
P30	3	21°25'48.08357"	83°19'42.82887"	P80	5	21°28'47.27126"	83°17'52.47087"
P31	3	21°25'42.13319"	83°19'45.61374"	P81	5	21°28'40.79222"	83°17'51.90636"
P32	3	21°25'35.93115"	83°19'46.59637"	P82	5	21°28'34.30916"	83°17'51.40365"
P33	3	21°25'32.95685"	83°19'46.08592"	P83	5	21°28'27.81041"	83°17'51.25288"
P34	3	21°25'26.60244"	83°19'47.48370"	P84	5	21°28'21.31226"	83°17'51.09172"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P35	3	21°25'25.81698"	83°19'47.76186"	P85	5	21°28'14.84057"	83°17'50.52735"
P36	4	21°26'10.78485"	83°21'15.29334"	P86	5	21°28'08.39216"	83°17'49.64824"
P37	4	21°26'04.63722"	83°21'17.30101"	P87	5	21°28'01.97344"	83°17'48.56282"
P38	4	21°26'00.91031"	83°21'22.60558"	P88	5	21°29'00.01605"	83°17'48.11325"
P39	4	21°25'56.89437"	83°21'25.58355"	P89	5	21°29'00.36740"	83°17'50.33206"
P40	4	21°26'10.49595"	83°20'33.52415"	P90	5	21°27'57.72214"	83°17'47.62678"
P41	4	21°26'10.72623"	83°20'29.30087"	P91	5	21°27'52.10999"	83°17'44.27814"
P42	4	21°26'10.15991"	83°20'36.21068"	P92	5	21°27'46.99766"	83°17'39.99299"
P43	4	21°26'10.29774"	83°20'42.96884"	P93	5	21°27'40.65674"	83°17'39.88785"
P44	4	21°26'14.30816"	83°20'48.38216"	P94	5	21°27'36.01097"	83°17'44.48884"
P45	4	21°26'13.86830"	83°20'54.68810"	P95	5	21°27'31.82142"	83°17'49.79810"
P46	4	21°26'14.00201"	83°21'01.57390"	P96	5	21°27'25.80762"	83°17'51.97176"
P47	4	21°26'10.50386"	83°20'33.35366"	P97	5	21°27'26.77448"	83°17'57.92702"
P48	4	21°26'14.96177"	83°21'03.59365"	P98	5	21°27'32.87290"	83°17'59.74598"
P49	4	21°26'17.06890"	83°21'09.54583"	P99	5	21°27'35.76473"	83°18'05.06518"
P50	4	21°26'12.87342"	83°21'14.23992"	P100	5	21°27'34.54610"	83°18'10.71990"
P101	5	21°27'35.17537"	83°18'15.46351"	P151	9	21°28'56.81841"	83°15'22.59291"
P102	5	21°27'31.66369"	83°18'20.76831"	P152	9	21°28'57.14127"	83°15'29.34103"
P103	5	21°27'29.92618"	83°18'27.27501"	P153	9	21°28'53.44846"	83°15'33.42459"
P104	5	21°27'29.83667"	83°18'34.20401"	P154	9	21°28'48.02154"	83°15'36.76509"
P105	5	21°27'30.24360"	83°18'36.95406"	P155	9	21°28'42.65711"	83°15'40.51644"
P106	5	21°26'41.21657"	83°19'47.18664"	P156	9	21°28'36.63421"	83°15'43.09885"
P107	5	21°26'38.09614"	83°19'49.76257"	P157	9	21°28'58.37161"	83°15'30.98771"
P108	5	21°26'37.55637"	83°19'50.26135"	P158	9	21°35'47.35439"	83°15'29.53908"
P109	5	21°26'48.29030"	83°19'49.45032"	P159	9	21°35'48.31156"	83°15'30.64315"
P110	5	21°26'45.01329"	83°19'48.79360"	P160	9	21°35'48.51007"	83°15'31.22774"
P111	5	21°26'44.44681"	83°19'48.68202"	P161	9	21°35'38.89884"	83°15'20.05735"
P112	5	21°26'43.80139"	83°19'48.51298"	P162	9	21°35'39.87979"	83°15'21.65663"
P113	6	21°29'49.10186"	83°19'02.11597"	P163	11	21°25'01.57410"	83°14'24.76359"
P114	6	21°29'48.69807"	83°18'57.29866"	P164	11	21°25'04.11533"	83°14'19.87287"
P115	6	21°29'46.28470"	83°18'50.87107"	P165	11	21°25'02.88542"	83°14'13.68890"
P116	6	21°29'44.14659"	83°18'44.31445"	P166	11	21°24'56.45571"	83°14'13.46160"
P117	6	21°29'41.47463"	83°18'38.00375"	P167	11	21°24'50.06291"	83°14'14.46409"
P118	6	21°29'36.82638"	83°18'33.22038"	P168	11	21°24'43.76403"	83°14'15.52843"
P119	6	21°29'31.60980"	83°18'29.07582"	P169	11	21°24'47.89543"	83°14'15.53863"
P120	6	21°30'03.88798"	83°19'18.83205"	P170	11	21°24'54.17792"	83°14'13.83581"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P121	6	21°29'58.78389"	83°19'14.99017"	P171	11	21°25'00.62046"	83°14'14.20045"
P122	7	21°41'10.62899"	83°14'13.69985"	P172	11	21°25'06.71359"	83°14'11.75439"
P123	7	21°41'16.73057"	83°14'12.02811"	P173	11	21°25'03.83070"	83°14'51.53711"
P124	7	21°41'23.15098"	83°14'10.98116"	P174	11	21°25'01.97606"	83°14'45.84645"
P125	7	21°41'28.87168"	83°14'07.81918"	P175	11	21°25'00.16729"	83°14'39.53090"
P126	7	21°41'34.30009"	83°14'04.98514"	P176	11	21°25'31.05525"	83°13'52.45462"
P127	7	21°41'39.26406"	83°14'01.29699"	P177	11	21°25'37.39424"	83°13'52.83815"
P128	7	21°41'44.67058"	83°13'58.71132"	P178	11	21°25'43.40643"	83°13'55.18667"
P129	7	21°41'47.54254"	83°13'52.47561"	P179	11	21°25'49.88671"	83°13'55.03367"
P130	7	21°41'48.44441"	83°13'45.64609"	P180	11	21°25'56.23525"	83°13'54.09198"
P131	7	21°41'46.38495"	83°13'39.08392"	P181	11	21°25'56.51218"	83°13'54.05867"
P132	7	21°41'49.33492"	83°13'34.62237"	P182	11	21°25'59.20437"	83°13'53.73475"
P133	7	21°38'40.01245"	83°16'43.74083"	P183	11	21°26'04.61214"	83°13'50.65300"
P134	7	21°40'57.95686"	83°14'31.96864"	P184	11	21°26'11.01945"	83°13'51.49847"
P135	7	21°40'59.22281"	83°14'30.98102"	P185	11	21°26'17.44183"	83°13'50.48611"
P136	7	21°40'59.65592"	83°14'29.96186"	P186	11	21°26'20.75265"	83°13'44.71133"
P137	8	21°36'57.95344"	83°14'44.60233"	P187	11	21°26'21.08911"	83°13'43.51867"
P138	8	21°36'56.91842"	83°14'44.65849"	P188	11	21°26'19.03698"	83°13'37.50793"
P139	9	21°28'36.63213"	83°15'45.03427"	P189	11	21°26'16.59238"	83°13'38.25695"
P140	9	21°28'41.02246"	83°15'41.57926"	P190	11	21°26'21.08911"	83°13'43.51867"
P141	9	21°28'46.51173"	83°15'38.05025"	P191	11	21°26'21.09840"	83°13'42.13593"
P142	9	21°28'51.83009"	83°15'34.47282"	P192	11	21°25'00.46201"	83°14'31.44432"
P143	9	21°28'56.71293"	83°15'31.50818"	P193	11	21°25'01.02867"	83°14'29.96877"
P144	9	21°28'44.48190"	83°15'01.80471"	P194	12	21°24'27.49471"	83°17'05.50729"
P145	9	21°28'50.72875"	83°15'00.07307"	P195	12	21°24'33.94055"	83°17'04.87132"
P146	9	21°28'56.91541"	83°14'58.75624"	P196	12	21°24'39.99173"	83°17'03.64728"
P147	9	21°29'03.29841"	83°15'00.00648"	P197	12	21°24'37.70344"	83°16'42.25277"
P148	9	21°29'04.09640"	83°15'03.70211"	P198	12	21°24'43.50586"	83°16'45.25770"
P149	9	21°29'00.36407"	83°15'09.31573"	P199	12	21°24'41.31494"	83°16'49.89800"
P150	9	21°28'58.17595"	83°15'15.85614"	P200	12	21°24'40.71757"	83°16'55.50273"
P201	12	21°24'46.94779"	83°16'55.24643"	P251	12	21°25'48.74438"	83°18'00.17288"
P202	12	21°24'47.89389"	83°16'58.42425"	P252	12	21°25'46.28336"	83°17'59.16567"
P203	12	21°24'48.37243"	83°16'54.90127"	P253	12	21°25'25.15073"	83°13'55.81747"
P204	12	21°24'42.12591"	83°16'55.55833"	P254	13	21°24'42.70642"	83°18'24.27908"
P205	12	21°24'40.96555"	83°16'50.92958"	P255	13	21°24'48.96825"	83°18'26.07425"
P206	12	21°24'44.66868"	83°16'46.09084"	P256	13	21°24'55.41611"	83°18'26.88306"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P207	12	21°24'39.08208"	83°16'42.74316"	P257	13	21°25'01.76051"	83°18'27.86774"
P208	12	21°24'51.51207"	83°16'51.21494"	P258	13	21°25'08.06585"	83°18'29.29432"
P209	12	21°24'56.51496"	83°16'47.52755"	P259	13	21°25'14.37927"	83°18'30.91397"
P210	12	21°24'57.86168"	83°16'40.93879"	P260	13	21°25'20.41779"	83°18'33.45864"
P211	12	21°24'58.99975"	83°16'34.14522"	P261	13	21°26'08.56623"	83°19'28.82355"
P212	12	21°25'03.43606"	83°16'30.66658"	P262	13	21°26'03.50943"	83°19'33.18661"
P213	12	21°25'30.48335"	83°17'10.56567"	P263	13	21°26'03.39016"	83°19'33.28762"
P214	12	21°25'24.13378"	83°17'09.07752"	P264	14	21°50'42.46355"	83°30'02.96516"
P215	12	21°25'17.90467"	83°17'07.16435"	P265	14	21°50'37.71486"	83°30'07.48255"
P216	12	21°25'11.48687"	83°17'06.31355"	P266	14	21°50'37.03129"	83°30'12.32322"
P217	12	21°25'05.21545"	83°17'04.72255"	P267	14	21°50'12.70962"	83°30'27.90792"
P218	12	21°25'00.29125"	83°17'00.50871"	P268	14	21°50'16.58003"	83°30'22.44101"
P219	12	21°24'54.96880"	83°16'56.83032"	P269	14	21°50'21.11765"	83°30'17.45667"
P220	12	21°24'51.38582"	83°16'55.07481"	P270	14	21°50'25.74857"	83°30'12.57193"
P221	12	21°25'14.65447"	83°15'52.81305"	P271	14	21°50'30.88217"	83°30'08.55449"
P222	12	21°25'14.73940"	83°15'45.88263"	P272	14	21°50'36.97433"	83°30'06.13068"
P223	12	21°25'12.81921"	83°15'39.67135"	P273	14	21°50'36.16371"	83°30'06.07385"
P224	12	21°25'08.55902"	83°15'34.44923"	P274	14	21°50'30.05717"	83°30'08.45491"
P225	12	21°25'08.55416"	83°15'34.43944"	P275	14	21°50'25.00828"	83°30'12.70892"
P226	12	21°25'04.63747"	83°16'30.54347"	P276	14	21°50'20.46414"	83°30'17.68644"
P227	12	21°25'05.80626"	83°16'24.56068"	P277	14	21°50'15.95181"	83°30'22.69705"
P228	12	21°25'04.99395"	83°16'17.68288"	P278	14	21°50'12.42911"	83°30'27.87371"
P229	12	21°25'06.34137"	83°16'11.05039"	P279	15	21°51'27.86687"	83°34'37.78305"
P230	12	21°25'09.30446"	83°16'04.87524"	P280	15	21°51'29.63874"	83°34'41.29472"
P231	12	21°25'12.93166"	83°15'59.16920"	P281	15	21°51'33.69046"	83°34'35.87986"
P232	12	21°25'14.65447"	83°15'52.81305"	P282	15	21°51'36.41969"	83°34'29.60743"
P233	12	21°25'07.50156"	83°15'30.45928"	P283	15	21°51'39.64274"	83°34'23.56499"
P234	12	21°25'06.15767"	83°15'23.67267"	P284	15	21°51'42.49292"	83°34'17.32209"
P235	12	21°25'04.78299"	83°15'16.88761"	P285	15	21°51'46.52106"	83°34'11.95525"
P236	12	21°25'03.44635"	83°15'10.09509"	P286	15	21°51'51.75827"	83°34'07.83353"
P237	12	21°25'02.03675"	83°15'03.31810"	P287	15	21°51'56.79826"	83°34'03.43733"
P238	12	21°25'01.99246"	83°14'56.48962"	P288	15	21°52'02.34462"	83°34'00.49421"
P239	12	21°25'03.81996"	83°14'51.56353"	P289	15	21°52'08.66004"	83°33'59.00574"
P240	12	21°25'44.44189"	83°17'58.74927"	P290	15	21°52'14.83996"	83°33'58.19501"
P241	12	21°25'38.22826"	83°17'57.41126"	P291	15	21°52'16.00742"	83°33'56.55178"
P242	12	21°25'34.96192"	83°17'51.43616"	P292	15	21°51'27.95899"	83°34'42.09984"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P243	12	21°25'38.25347"	83°17'47.65088"	P293	15	21°51'25.28923"	83°34'48.33346"
P244	12	21°25'41.30734"	83°17'42.37695"	P294	15	21°51'23.88183"	83°34'55.09191"
P245	12	21°25'42.17457"	83°17'35.54520"	P295	15	21°51'24.76817"	83°34'52.73864"
P246	12	21°25'44.22052"	83°17'29.30721"	P296	15	21°51'26.18260"	83°34'45.95394"
P247	12	21°25'44.59327"	83°17'22.46930"	P297	15	21°51'27.92026"	83°34'42.38712"
P248	12	21°25'41.97111"	83°17'17.16424"	P298	15	21°51'38.52766"	83°32'27.62718"
P249	12	21°25'37.80501"	83°17'15.17774"	P299	15	21°51'44.90842"	83°32'28.14281"
P250	12	21°25'49.01057"	83°18'05.30522"	P300	15	21°51'45.20845"	83°32'28.48832"
P301	15	21°51'38.82163"	83°32'27.98216"	P351	17	21°54'54.59522"	83°32'58.72808"
P302	15	21°51'45.76164"	83°32'30.59917"	P352	18	21°55'58.94692"	83°32'24.65966"
P303	15	21°51'45.54897"	83°32'30.77334"	P353	18	21°56'04.13752"	83°32'21.33498"
P304	16	21°52'31.62865"	83°33'15.48280"	P354	18	21°56'07.55586"	83°32'15.53880"
P305	16	21°52'35.74827"	83°33'10.17860"	P355	18	21°56'13.78848"	83°32'14.42732"
P306	16	21°52'40.42772"	83°33'05.35180"	P356	18	21°56'19.53119"	83°32'11.43748"
P307	16	21°52'44.59098"	83°33'00.02591"	P357	18	21°56'20.51439"	83°32'07.53597"
P308	16	21°52'48.37408"	83°32'54.69494"	P358	18	21°56'15.44404"	83°32'03.17760"
P309	16	21°52'51.26090"	83°32'48.84766"	P359	18	21°56'09.77537"	83°32'00.11115"
P310	16	21°52'55.27314"	83°32'45.09860"	P360	18	21°56'04.12051"	83°31'57.36301"
P311	16	21°52'59.92809"	83°32'41.89783"	P361	18	21°56'01.69426"	83°31'50.95828"
P312	16	21°53'02.99596"	83°32'43.54278"	P362	18	21°55'59.92582"	83°31'44.25514"
P313	16	21°53'09.37023"	83°32'42.92162"	P363	18	21°55'55.80758"	83°31'40.22864"
P314	16	21°53'15.82231"	83°32'43.65437"	P364	18	21°55'51.73428"	83°31'37.15752"
P315	16	21°53'21.76025"	83°32'46.41601"	P365	18	21°55'51.69967"	83°31'35.93731"
P316	16	21°53'27.58071"	83°32'49.51492"	P366	18	21°56'22.67999"	83°32'09.23993"
P317	16	21°53'33.52625"	83°32'52.31674"	P367	18	21°56'28.58055"	83°32'06.32253"
P318	16	21°53'39.32272"	83°32'55.44168"	P368	18	21°56'34.53645"	83°32'03.53514"
P319	16	21°53'45.50925"	83°32'57.32780"	P369	18	21°56'40.19673"	83°32'00.11115"
P320	16	21°53'50.02330"	83°33'02.01707"	P370	18	21°56'45.71493"	83°31'56.52404"
P321	16	21°53'55.37191"	83°33'04.74236"	P371	18	21°56'47.67233"	83°31'50.90373"
P322	16	21°53'56.87722"	83°33'08.40048"	P372	18	21°56'45.31404"	83°31'57.23044"
P323	16	21°53'54.51663"	83°33'14.88926"	P373	18	21°56'39.67952"	83°32'00.69962"
P324	16	21°53'52.16356"	83°33'21.38117"	P374	18	21°56'34.00458"	83°32'04.09153"
P325	16	21°53'51.34850"	83°33'26.28544"	P375	18	21°56'28.06695"	83°32'06.91712"
P326	16	21°53'57.44278"	83°33'23.86606"	P376	18	21°56'22.65325"	83°32'09.39704"
P327	16	21°54'03.34360"	83°33'21.04745"	P377	18	21°55'51.69967"	83°31'35.93731"
P328	16	21°54'08.43740"	83°33'16.73173"	P378	18	21°55'51.45872"	83°31'28.97617"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P329	16	21°54'13.71448"	83°33'12.67383"	P379	18	21°55'51.47240"	83°31'22.01932"
P330	16	21°54'19.28818"	83°33'09.14737"	P380	18	21°55'50.73976"	83°31'15.36525"
P331	16	21°54'25.59636"	83°33'07.48986"	P381	18	21°55'47.17349"	83°31'09.75270"
P332	16	21°54'28.16537"	83°33'06.65663"	P382	18	21°55'45.39521"	83°31'03.06196"
P333	16	21°54'30.31275"	83°33'05.58897"	P383	18	21°55'42.22980"	83°30'57.07196"
P334	16	21°54'31.08915"	83°33'05.42861"	P384	18	21°55'40.87553"	83°30'50.39898"
P335	16	21°52'27.67984"	83°33'15.72835"	P385	18	21°55'40.79225"	83°30'43.47051"
P336	16	21°52'27.28439"	83°33'21.57301"	P386	18	21°55'42.19851"	83°30'36.70177"
P337	16	21°52'27.53212"	83°33'16.82189"	P387	18	21°55'37.48097"	83°30'32.51565"
P338	17	21°54'58.23822"	83°32'56.03408"	P388	18	21°55'31.49283"	83°30'30.00023"
P339	17	21°55'01.30792"	83°32'49.95711"	P389	18	21°55'29.77699"	83°30'23.33843"
P340	17	21°55'06.65745"	83°32'46.55958"	P390	18	21°55'27.07735"	83°30'17.00231"
P341	17	21°55'12.67212"	83°32'43.97674"	P391	18	21°55'26.35087"	83°30'10.24077"
P342	17	21°55'18.31730"	83°32'40.53560"	P392	18	21°55'27.36012"	83°30'03.35955"
P343	17	21°55'24.49484"	83°32'38.49970"	P393	18	21°55'26.34668"	83°29'57.20440"
P344	17	21°55'30.91255"	83°32'37.64186"	P394	18	21°55'20.24493"	83°29'54.82711"
P345	17	21°55'37.25495"	83°32'36.39233"	P395	18	21°55'14.47942"	83°29'51.62135"
P346	17	21°55'42.83366"	83°32'32.94978"	P396	18	21°55'09.48334"	83°29'47.16890"
P347	17	21°55'47.12587"	83°32'28.04609"	P397	18	21°55'04.42559"	83°29'44.94412"
P348	17	21°54'57.31508"	83°32'57.93847"	P398	18	21°55'02.13188"	83°29'51.42385"
P349	17	21°54'57.76253"	83°32'57.01541"	P399	18	21°54'57.78283"	83°29'54.20058"
P350	17	21°54'54.02131"	83°32'58.64981"	P400	18	21°55'02.46638"	83°29'50.64929"
P401	18	21°55'08.32843"	83°29'51.42975"	P451	21	21°58'02.53013"	83°28'07.05027"
P402	18	21°55'02.34289"	83°29'50.89568"	P452	21	21°58'08.92479"	83°28'08.29789"
P403	19	21°53'53.98956"	83°30'18.88567"	P453	21	21°58'15.32070"	83°28'09.53811"
P404	19	21°53'47.75645"	83°30'17.86862"	P454	21	21°58'21.71661"	83°28'10.77837"
P405	19	21°53'45.37498"	83°30'16.03131"	P455	21	21°58'28.10998"	83°28'12.03349"
P406	19	21°54'47.09234"	83°29'59.17316"	P456	21	21°58'34.50380"	83°28'13.28513"
P407	19	21°54'41.14551"	83°30'01.98379"	P457	21	21°58'37.96571"	83°28'15.04956"
P408	19	21°54'37.83588"	83°30'07.67388"	P458	21	21°58'33.15114"	83°28'12.69586"
P409	19	21°54'35.51352"	83°30'14.17928"	P459	21	21°58'26.75644"	83°28'11.44903"
P410	19	21°54'33.17330"	83°30'20.67729"	P460	21	21°58'20.35361"	83°28'10.25055"
P411	19	21°54'30.97316"	83°30'27.22818"	P461	21	21°58'13.95881"	83°28'09.00389"
P412	19	21°54'28.96506"	83°30'33.74016"	P462	21	21°58'07.56602"	83°28'07.74540"
P413	19	21°54'25.07861"	83°30'39.31246"	P463	21	21°58'02.57775"	83°28'06.69149"
P414	19	21°54'21.14709"	83°30'44.85431"	P464	21	21°56'12.04752"	83°27'20.11615"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P415	19	21°54'17.47373"	83°30'45.46572"	P465	21	21°56'09.66218"	83°27'24.19147"
P416	19	21°53'35.32134"	83°30'07.82788"	P466	21	21°56'07.26041"	83°27'30.64386"
P417	19	21°53'24.32208"	83°30'05.41316"	P467	21	21°56'09.45159"	83°27'35.12890"
P418	19	21°53'23.45981"	83°30'05.29433"	P468	21	21°56'15.41636"	83°27'37.89601"
P419	20	21°53'23.62209"	83°25'08.95229"	P469	21	21°56'21.58179"	83°27'39.96946"
P420	20	21°53'29.76606"	83°25'10.57179"	P470	21	21°56'27.99212"	83°27'41.12085"
P421	20	21°53'31.05037"	83°25'15.25334"	P471	21	21°56'34.40884"	83°27'42.23074"
P422	20	21°53'27.69127"	83°25'21.15237"	P472	21	21°56'40.73630"	83°27'43.71432"
P423	20	21°53'27.60005"	83°25'21.53539"	P473	21	21°56'46.86959"	83°27'45.98996"
P424	20	21°55'38.75791"	83°25'12.69460"	P474	21	21°56'52.81311"	83°27'48.80995"
P425	20	21°55'43.88750"	83°25'16.94028"	P475	21	21°56'58.75661"	83°27'51.63000"
P426	20	21°55'46.26706"	83°25'23.14101"	P476	21	21°57'04.63609"	83°27'54.59984"
P427	20	21°55'47.39855"	83°25'29.87579"	P477	21	21°57'10.57997"	83°27'57.40450"
P428	20	21°55'51.81405"	83°25'34.94548"	P478	21	21°57'16.99919"	83°27'58.38628"
P429	20	21°55'54.59305"	83°25'37.59066"	P479	21	21°57'17.25293"	83°27'58.41156"
P430	20	21°55'25.91976"	83°25'02.60686"	P480	22	21°56'39.80882"	83°24'34.52576"
P431	20	21°55'29.34265"	83°25'08.45215"	P481	22	21°56'35.44581"	83°24'29.36209"
P432	20	21°55'35.31564"	83°25'10.47457"	P482	22	21°56'31.10826"	83°24'24.17312"
P433	20	21°55'38.75791"	83°25'12.69460"	P483	22	21°56'29.98664"	83°24'22.83620"
P434	21	21°57'17.24372"	83°27'58.41064"	P484	22	21°57'37.80449"	83°26'29.50043"
P435	21	21°57'23.70151"	83°27'59.16901"	P485	22	21°57'36.98911"	83°26'27.46206"
P436	21	21°57'30.10676"	83°28'00.35253"	P486	22	21°57'43.00160"	83°26'24.81487"
P437	21	21°57'36.50642"	83°28'01.56881"	P487	22	21°57'48.98961"	83°26'22.20266"
P438	21	21°57'42.88681"	83°28'02.89774"	P488	22	21°57'55.41429"	83°26'21.51357"
P439	21	21°57'49.26720"	83°28'04.22672"	P489	22	21°58'01.89772"	83°26'21.04505"
P440	21	21°57'55.64781"	83°28'05.55442"	P490	22	21°58'08.37287"	83°26'20.45224"
P441	21	21°58'00.13694"	83°28'03.62808"	P491	22	21°58'14.73724"	83°26'20.58905"
P442	21	21°58'02.17108"	83°27'57.02146"	P492	22	21°57'49.17058"	83°26'37.70255"
P443	21	21°58'03.27466"	83°27'50.21653"	P493	22	21°57'45.82366"	83°26'31.78885"
P444	21	21°58'04.16729"	83°27'43.31669"	P494	22	21°57'40.24130"	83°26'29.02534"
P445	21	21°57'56.64874"	83°26'58.72542"	P495	22	21°57'37.80449"	83°26'29.50043"
P446	21	21°57'53.87964"	83°26'52.62989"	P496	22	21°58'17.00761"	83°26'21.69432"
P447	21	21°57'48.98475"	83°26'48.11558"	P497	22	21°58'22.37325"	83°26'24.01648"
P448	21	21°57'49.12807"	83°26'41.85896"	P498	22	21°58'20.89107"	83°24'43.53815"
P449	21	21°57'59.42022"	83°28'06.22102"	P499	22	21°58'14.43654"	83°24'43.14909"
P450	21	21°57'59.47100"	83°28'06.03512"	P500	22	21°58'07.97806"	83°24'42.37745"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P501	22	21°58'01.53365"	83°24'41.49167"	P551	22	21°59'38.53818"	83°24'37.98721"
P502	22	21°57'55.46506"	83°24'39.13254"	P552	22	21°59'36.44948"	83°24'32.40649"
P503	22	21°57'50.48402"	83°24'37.28562"	P553	22	21°59'30.09062"	83°24'31.36004"
P504	22	21°58'55.28242"	83°24'42.87300"	P554	22	21°59'23.64771"	83°24'31.26261"
P505	22	21°58'48.78654"	83°24'42.96312"	P555	22	21°59'17.41355"	83°24'33.16325"
P506	22	21°58'42.28783"	83°24'42.86318"	P556	22	21°59'10.93521"	83°24'33.61084"
P507	22	21°58'35.81215"	83°24'42.38687"	P557	22	21°59'04.55253"	83°24'34.44798"
P508	22	21°58'29.31235"	83°24'42.35216"	P558	22	21°59'02.44212"	83°24'40.94257"
P509	22	21°58'22.87403"	83°24'43.29909"	P559	22	21°58'56.18580"	83°24'42.81369"
P510	22	21°58'20.89107"	83°24'43.53815"	P560	22	21°58'55.28242"	83°24'42.87300"
P511	22	21°59'15.22077"	83°26'40.65212"	P561	22	21°59'25.45688"	83°24'30.92823"
P512	22	21°59'19.45655"	83°26'35.46214"	P562	22	21°59'22.67719"	83°24'30.26604"
P513	22	21°59'23.81549"	83°26'30.56770"	P563	22	21°59'25.01893"	83°24'30.99374"
P514	22	21°59'28.33526"	83°26'25.64348"	P564	22	21°57'41.30067"	83°24'33.17531"
P515	22	21°59'31.53214"	83°26'19.58584"	P565	22	21°57'40.86181"	83°24'33.94070"
P516	22	21°59'33.72578"	83°26'13.06082"	P566	23	21°58'03.94107"	83°17'29.05415"
P517	22	21°59'34.66972"	83°26'06.17945"	P567	23	21°58'05.42217"	83°17'22.26965"
P518	22	21°59'35.61593"	83°25'59.28720"	P568	23	21°58'06.90949"	83°17'15.48640"
P519	22	21°59'36.89885"	83°25'52.45766"	P569	23	21°58'06.72314"	83°17'10.06386"
P520	22	21°59'36.51018"	83°25'46.03907"	P570	23	21°58'03.63868"	83°17'08.65153"
P521	22	21°59'32.37914"	83°25'40.92581"	P571	23	21°58'04.37715"	83°17'06.74067"
P522	22	21°59'32.15042"	83°25'39.69169"	P572	23	21°57'40.44082"	83°19'05.00726"
P523	22	21°58'22.37325"	83°26'24.01648"	P573	23	21°57'45.47154"	83°19'00.60511"
P524	22	21°58'27.95617"	83°26'27.55115"	P574	23	21°57'49.47423"	83°18'55.30482"
P525	22	21°58'29.37394"	83°26'28.43342"	P575	23	21°57'52.09593"	83°18'48.92875"
P526	22	21°58'29.37394"	83°26'28.43342"	P576	23	21°57'54.49521"	83°18'42.45211"
P527	22	21°58'35.51559"	83°26'30.55582"	P577	23	21°57'56.89441"	83°18'35.97541"
P528	22	21°58'41.94376"	83°26'31.50108"	P578	23	21°57'58.44007"	83°18'29.23158"
P529	22	21°58'48.41404"	83°26'31.65539"	P579	23	21°57'58.59296"	83°18'28.31286"
P530	22	21°58'54.22014"	83°26'34.59260"	P580	23	21°57'36.32974"	83°18'54.50426"
P531	22	21°59'00.07055"	83°26'37.42137"	P581	23	21°57'42.73184"	83°18'55.60915"
P532	22	21°59'06.40748"	83°26'38.46168"	P582	23	21°57'48.50832"	83°18'56.62615"
P533	22	21°59'07.95407"	83°26'44.28671"	P583	23	21°57'42.13743"	83°18'55.24638"
P534	22	21°59'10.34211"	83°26'44.99096"	P584	23	21°57'36.38095"	83°18'54.27382"
P535	22	21°59'15.22077"	83°26'40.65212"	P585	23	21°57'58.59296"	83°18'28.31286"
P536	22	21°55'37.73506"	83°23'23.22725"	P586	23	21°57'58.87734"	83°18'26.60408"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P537	22	21°55'33.30354"	83°23'20.45055"	P587	23	21°57'58.87734"	83°18'26.60408"
P538	22	21°55'35.05417"	83°23'13.75242"	P588	23	21°57'58.99872"	83°18'19.66800"
P539	22	21°55'31.77204"	83°23'08.27162"	P589	23	21°57'58.27003"	83°18'12.80381"
P540	22	21°55'30.98917"	83°23'07.68002"	P590	23	21°57'58.03396"	83°18'05.84737"
P541	22	21°59'32.15042"	83°25'39.69169"	P591	23	21°57'58.56040"	83°17'58.90282"
P542	22	21°59'27.91488"	83°25'37.27612"	P592	23	21°57'59.06280"	83°17'51.95763"
P543	22	21°59'30.45247"	83°25'30.94958"	P593	23	21°58'00.30785"	83°17'45.12529"
P544	22	21°59'32.85509"	83°25'24.52887"	P594	23	21°58'01.81369"	83°17'38.34597"
P545	22	21°59'34.29362"	83°25'17.74372"	P595	23	21°58'03.34199"	83°17'31.57256"
P546	22	21°59'34.54247"	83°25'10.86269"	P596	23	21°58'03.94107"	83°17'29.05415"
P547	22	21°59'37.85555"	83°25'05.21494"	P597	23	21°57'58.74762"	83°18'17.68645"
P548	22	21°59'39.53984"	83°24'58.66502"	P598	23	21°57'58.16872"	83°18'17.85132"
P549	22	21°59'39.60266"	83°24'51.75024"	P599	23	21°57'58.83607"	83°18'17.62753"
P550	22	21°59'39.37443"	83°24'44.81602"	P600	23	21°56'26.05184"	83°20'09.44466"
P601	23	21°56'22.36513"	83°20'04.96780"	P651	25	21°59'15.17150"	83°21'34.48959"
P602	23	21°56'16.84574"	83°20'01.85989"	P652	25	21°59'19.96325"	83°21'30.04585"
P603	23	21°57'13.55235"	83°19'36.03390"	P653	25	21°59'24.52948"	83°21'25.12812"
P604	23	21°57'17.77588"	83°19'30.81111"	P654	25	21°59'28.71865"	83°21'19.79945"
P605	23	21°57'20.60896"	83°19'24.54265"	P655	25	21°59'28.92801"	83°21'19.52705"
P606	23	21°57'23.78435"	83°19'18.49167"	P656	25	21°59'28.92801"	83°21'19.52705"
P607	23	21°57'30.77050"	83°19'11.85793"	P657	25	21°59'31.63676"	83°21'13.19123"
P608	23	21°57'36.28646"	83°19'08.17650"	P658	25	21°59'33.13177"	83°21'06.41858"
P609	23	21°57'39.87503"	83°19'05.46032"	P659	25	21°59'36.40951"	83°21'05.13272"
P610	23	21°56'16.95746"	83°21'09.79333"	P660	25	21°59'42.45918"	83°21'07.66602"
P611	23	21°56'17.64885"	83°21'02.86765"	P661	25	21°59'48.64294"	83°21'09.80357"
P612	23	21°56'19.07225"	83°20'56.06949"	P662	25	21°59'54.89329"	83°21'11.35841"
P613	23	21°56'20.87407"	83°20'49.38059"	P663	25	22°00'01.02561"	83°21'13.66259"
P614	23	21°56'22.78700"	83°20'42.72509"	P664	25	22°00'06.99840"	83°21'16.41277"
P615	23	21°56'25.92776"	83°20'36.62501"	P665	25	22°00'08.59307"	83°21'17.14704"
P616	23	21°56'29.06846"	83°20'30.52485"	P666	26	22°00'38.39522"	83°19'44.96564"
P617	23	21°56'32.22510"	83°20'24.43410"	P667	26	22°00'41.87569"	83°19'39.08007"
P618	23	21°56'35.40679"	83°20'18.39795"	P668	26	22°00'42.40585"	83°19'32.24761"
P619	23	21°56'38.82107"	83°20'12.46916"	P669	26	22°00'42.61235"	83°19'25.29223"
P620	23	21°56'42.83631"	83°20'07.13776"	P670	26	22°00'43.61022"	83°19'18.40579"
P621	23	21°56'48.01780"	83°20'02.93053"	P671	26	22°00'45.06352"	83°19'13.09364"
P622	23	21°56'53.08157"	83°19'58.56642"	P672	27	22°00'39.97481"	83°18'24.04568"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P623	23	21°56'57.92820"	83°19'53.93549"	P673	27	22°00'44.96170"	83°18'25.40575"
P624	23	21°57'02.27145"	83°19'48.75127"	P674	27	22°00'48.04940"	83°18'24.25473"
P625	23	21°57'06.63461"	83°19'43.58697"	P675	27	22°00'41.88184"	83°18'26.22975"
P626	23	21°57'11.17063"	83°19'38.59595"	P676	27	22°00'42.78689"	83°18'20.34648"
P627	23	21°57'13.55235"	83°19'36.03390"	P677	27	22°00'45.29835"	83°18'13.91966"
P628	23	21°56'30.66378"	83°20'22.99543"	P678	27	22°00'47.88977"	83°18'07.52647"
P629	23	21°56'30.84312"	83°20'22.52071"	P679	27	22°00'50.52731"	83°18'01.16091"
P630	24	21°59'30.82477"	83°22'24.49489"	P680	27	22°00'54.08061"	83°17'55.33164"
P631	24	21°59'24.39157"	83°22'25.24190"	P681	27	22°00'57.74130"	83°17'49.58908"
P632	24	21°59'18.00619"	83°22'26.50473"	P682	27	22°01'00.86058"	83°17'43.47285"
P633	24	21°59'11.55092"	83°22'27.31064"	P683	27	22°01'03.97458"	83°17'37.35971"
P634	24	21°59'05.64208"	83°22'29.47123"	P684	27	22°01'06.39146"	83°17'30.94072"
P635	24	21°59'03.63952"	83°22'29.26967"	P685	27	22°01'08.34586"	83°17'24.97490"
P636	25	22°00'02.68580"	83°21'45.52856"	P686	27	22°01'04.13008"	83°17'19.69394"
P637	25	22°00'03.77756"	83°21'38.65796"	P687	27	22°01'01.85430"	83°17'13.33846"
P638	25	22°00'04.97832"	83°21'31.80787"	P688	27	22°01'00.59429"	83°17'06.49991"
P639	25	22°00'06.56014"	83°21'25.05023"	P689	27	22°01'00.28020"	83°16'59.57515"
P640	25	22°00'08.28707"	83°21'18.33048"	P690	27	22°01'01.04743"	83°16'52.68324"
P641	25	22°00'10.28441"	83°21'11.69845"	P691	27	22°01'05.91487"	83°16'48.32427"
P642	25	22°00'12.24517"	83°21'05.05288"	P692	27	22°01'09.81534"	83°16'42.82584"
P643	25	22°00'13.75672"	83°20'58.29235"	P693	27	22°01'11.57876"	83°16'38.94230"
P644	25	22°00'14.65618"	83°20'51.39007"	P694	27	22°01'08.38311"	83°16'44.99865"
P645	25	22°00'14.65153"	83°20'44.43259"	P695	27	22°01'03.67279"	83°16'49.69334"
P646	25	22°00'15.45766"	83°20'37.60034"	P696	27	22°01'00.38848"	83°16'55.15443"
P647	25	22°00'16.91468"	83°20'32.34565"	P697	27	22°01'00.05272"	83°17'02.11366"
P648	25	21°59'06.06854"	83°21'52.70899"	P698	27	22°01'00.87272"	83°17'08.99748"
P649	25	21°59'08.63345"	83°21'46.36983"	P699	27	22°01'02.06215"	83°17'15.85007"
P650	25	21°59'12.12679"	83°21'40.62880"	P700	27	22°01'05.37628"	83°17'21.64290"
P701	27	22°01'08.27959"	83°17'27.28306"	P751	29	22°03'52.86326"	83°15'58.79231"
P702	27	22°01'05.06942"	83°17'33.23473"	P752	29	22°03'52.91540"	83°15'58.76621"
P703	27	22°01'02.59502"	83°17'39.65211"	P753	29	22°03'56.06133"	83°15'59.85863"
P704	27	22°00'59.44539"	83°17'45.75044"	P754	29	22°04'00.11733"	83°16'05.19959"
P705	27	22°00'56.10182"	83°17'51.72856"	P755	29	22°04'04.56730"	83°16'10.22211"
P706	27	22°00'52.36841"	83°17'57.42718"	P756	29	22°04'09.11740"	83°16'15.11972"
P707	27	22°00'49.39385"	83°18'03.60715"	P757	29	22°04'14.60586"	83°16'18.78753"
P708	27	22°00'46.71321"	83°18'09.95775"	P758	29	22°04'19.71788"	83°16'23.00581"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P709	27	22°00'44.10026"	83°18'16.34084"	P759	29	22°04'24.70991"	83°16'27.39814"
P710	27	22°00'41.76317"	83°18'22.84430"	P760	29	22°04'28.45127"	83°16'31.51063"
P711	27	22°00'40.00706"	83°18'23.87306"	P761	29	22°02'52.18909"	83°16'53.70858"
P712	27	22°01'05.71651"	83°16'23.37826"	P762	29	22°02'51.75232"	83°16'53.30549"
P713	27	22°01'12.02686"	83°16'23.83160"	P763	29	22°02'52.18909"	83°16'53.70858"
P714	27	22°01'16.78720"	83°16'26.61556"	P764	29	22°02'55.84998"	83°16'39.73558"
P715	27	22°01'13.00776"	83°16'32.07252"	P765	29	22°02'56.89903"	83°16'39.23392"
P716	27	22°01'12.40668"	83°16'36.59958"	P766	29	22°02'57.47935"	83°16'38.95641"
P717	27	22°01'14.36581"	83°16'30.06684"	P767	30	22°05'53.96255"	83°18'42.09626"
P718	27	22°01'16.36839"	83°16'25.14732"	P768	30	22°05'58.83979"	83°18'46.45979"
P719	27	22°01'10.39598"	83°16'22.88354"	P769	30	22°06'04.61752"	83°18'49.58234"
P720	27	22°01'05.98239"	83°16'22.96327"	P770	30	22°06'09.69467"	83°18'53.93789"
P721	27	22°00'11.90719"	83°18'08.52549"	P771	30	22°06'14.61326"	83°18'58.48329"
P722	27	22°00'17.85824"	83°18'06.99359"	P772	30	22°06'16.74552"	83°19'05.05270"
P723	27	22°00'24.17837"	83°18'07.06428"	P773	30	22°06'18.99833"	83°19'11.58356"
P724	27	22°00'30.16212"	83°18'09.45267"	P774	30	22°06'21.06944"	83°19'14.95832"
P725	27	22°00'34.59820"	83°18'14.52812"	P775	31	22°06'00.93660"	83°20'14.53533"
P726	27	22°00'36.43290"	83°18'19.28456"	P776	31	22°05'54.75926"	83°20'16.70609"
P727	27	22°00'33.78638"	83°18'13.23847"	P777	31	22°05'48.79625"	83°20'19.39620"
P728	27	22°00'29.13611"	83°18'08.43351"	P778	31	22°05'43.14652"	83°20'22.84542"
P729	27	22°00'22.87965"	83°18'06.57047"	P779	31	22°05'37.45770"	83°20'26.21925"
P730	27	22°00'16.61969"	83°18'07.45364"	P780	31	22°05'31.52455"	83°20'29.00983"
P731	27	22°00'12.09401"	83°18'08.37156"	P781	31	22°05'25.38289"	83°20'31.29403"
P732	28	22°02'13.62794"	83°17'59.94338"	P782	31	22°05'25.36429"	83°20'31.30095"
P733	28	22°02'19.58424"	83°17'57.29423"	P783	31	22°05'25.36429"	83°20'31.30095"
P734	28	22°02'24.48405"	83°17'52.72714"	P784	31	22°05'19.22262"	83°20'33.58510"
P735	28	22°02'29.31791"	83°17'48.06950"	P785	31	22°05'18.20043"	83°20'33.96526"
P736	28	22°02'34.74512"	83°17'44.25693"	P786	31	22°06'22.66759"	83°20'05.01721"
P737	28	22°02'38.10210"	83°17'43.24706"	P787	31	22°06'17.26490"	83°20'08.79222"
P738	29	22°03'01.61679"	83°16'36.40165"	P788	31	22°06'11.08856"	83°20'10.96633"
P739	29	22°03'07.61924"	83°16'34.74990"	P789	31	22°06'04.91162"	83°20'13.13848"
P740	29	22°03'13.98344"	83°16'36.04634"	P790	31	22°06'00.93660"	83°20'14.53533"
P741	29	22°03'19.50770"	83°16'39.31136"	P791	32	22°04'42.97154"	83°21'43.42375"
P742	29	22°03'25.65601"	83°16'37.08884"	P792	32	22°04'44.71182"	83°21'49.95471"
P743	29	22°03'31.73689"	83°16'34.62572"	P793	32	22°04'45.73219"	83°21'56.84233"
P744	29	22°03'37.59206"	83°16'31.64292"	P794	32	22°04'44.36982"	83°22'03.20618"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P745	29	22°03'41.41173"	83°16'26.19826"	P795	32	22°04'40.96953"	83°22'08.60186"
P746	29	22°03'44.84429"	83°16'20.34799"	P796	32	22°04'42.31045"	83°22'15.39182"
P747	29	22°03'48.34799"	83°16'14.57111"	P797	32	22°04'42.47722"	83°22'16.22120"
P748	29	22°03'50.57909"	83°16'08.02198"	P798	32	22°04'45.62910"	83°20'39.52330"
P749	29	22°03'52.44752"	83°16'01.35623"	P799	32	22°04'40.11925"	83°20'42.61060"
P750	29	22°03'56.06133"	83°15'59.85863"	P800	32	22°04'35.46447"	83°20'47.47716"
P801	32	22°04'30.68895"	83°20'52.20840"	P851	34	22°12'35.80862"	83°22'47.06960"
P802	32	22°04'25.91040"	83°20'56.93605"	P852	34	22°12'35.47915"	83°22'54.03094"
P803	32	22°04'21.12023"	83°21'01.65011"	P853	34	22°12'34.71164"	83°23'00.96055"
P804	32	22°04'16.33184"	83°21'06.36619"	P854	34	22°12'33.49989"	83°23'07.81340"
P805	32	22°04'11.20543"	83°21'10.54234"	P855	34	22°12'31.90103"	83°23'14.57926"
P806	32	22°04'09.02980"	83°21'12.42787"	P856	34	22°12'29.25558"	83°23'20.93667"
P807	32	22°04'14.91310"	83°21'15.39104"	P857	34	22°12'26.49239"	83°23'27.23136"
P808	32	22°04'20.75286"	83°21'18.44802"	P858	34	22°12'26.29334"	83°23'34.20047"
P809	32	22°04'26.57829"	83°21'21.54184"	P859	34	22°12'26.36721"	83°23'36.56398"
P810	32	22°04'32.38555"	83°21'24.67322"	P860	35	22°14'42.60121"	83°27'26.64322"
P811	32	22°04'37.90347"	83°21'28.32061"	P861	35	22°14'42.40837"	83°27'19.66548"
P812	32	22°04'42.84951"	83°21'32.82937"	P862	35	22°14'42.33980"	83°27'12.68633"
P813	32	22°04'42.43273"	83°21'37.42443"	P863	35	22°14'38.14188"	83°27'07.50340"
P814	32	22°04'41.13677"	83°21'42.40364"	P864	35	22°14'33.71465"	83°27'02.39245"
P815	32	22°04'42.97154"	83°21'43.42375"	P865	35	22°14'29.19575"	83°26'57.38484"
P816	33	22°04'57.15382"	83°23'26.35151"	P866	35	22°14'42.93728"	83°27'32.91255"
P817	33	22°04'56.24663"	83°23'33.25652"	P867	35	22°14'42.90965"	83°27'32.19238"
P818	33	22°04'55.20004"	83°23'39.66732"	P868	35	22°15'40.14733"	83°28'54.67865"
P819	33	22°05'17.64967"	83°24'25.48850"	P869	35	22°15'34.63472"	83°28'52.05825"
P820	33	22°05'22.44131"	83°24'20.86618"	P870	35	22°15'31.99892"	83°28'45.85452"
P821	33	22°05'27.77730"	83°24'17.25331"	P871	35	22°15'27.09161"	83°28'41.99823"
P822	33	22°05'34.06459"	83°24'16.65033"	P872	35	22°15'21.04015"	83°28'39.47700"
P823	33	22°05'40.46228"	83°24'16.41209"	P873	35	22°15'15.30866"	83°28'36.94662"
P824	33	22°05'46.57438"	83°24'14.03954"	P874	35	22°15'11.64910"	83°28'40.37161"
P825	33	22°05'52.41382"	83°24'11.01244"	P875	35	22°15'08.99509"	83°28'46.24766"
P826	33	22°05'57.92203"	83°24'07.31674"	P876	35	22°15'06.48061"	83°28'52.49066"
P827	33	22°06'02.80385"	83°24'02.78916"	P877	35	22°15'00.96926"	83°28'52.29945"
P828	33	22°05'59.39762"	83°24'06.09838"	P878	35	22°15'00.82165"	83°28'52.30840"
P829	33	22°05'53.86204"	83°24'09.74355"	P879	35	22°14'43.24043"	83°28'55.91014"
P830	33	22°05'48.18516"	83°24'13.12708"	P880	35	22°14'37.42634"	83°28'52.85861"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P831	33	22°05'42.08539"	83°24'15.53599"	P881	35	22°14'31.05196"	83°28'51.71125"
P832	33	22°05'35.79536"	83°24'16.62044"	P882	35	22°14'34.23201"	83°28'46.27590"
P833	33	22°05'29.46230"	83°24'16.65930"	P883	35	22°14'34.28775"	83°28'46.17825"
P834	33	22°05'23.75584"	83°24'19.46811"	P884	35	22°14'34.28775"	83°28'46.17825"
P835	33	22°05'18.71741"	83°24'23.81730"	P885	35	22°14'37.85929"	83°28'40.35472"
P836	33	22°05'17.41202"	83°24'25.60371"	P886	35	22°14'39.19137"	83°28'34.62430"
P837	34	22°09'02.39933"	83°25'36.74152"	P887	35	22°14'36.63751"	83°28'28.21596"
P838	34	22°08'56.75555"	83°25'33.32140"	P888	35	22°14'32.08450"	83°28'23.74858"
P839	34	22°08'54.41663"	83°25'32.53711"	P889	35	22°14'32.77126"	83°28'17.36039"
P840	34	22°13'28.25221"	83°23'37.48358"	P890	35	22°14'33.24942"	83°28'15.92655"
P841	34	22°13'23.16001"	83°23'33.24481"	P891	36	22°14'38.85001"	83°30'17.95002"
P842	34	22°13'19.04235"	83°23'28.06911"	P892	36	22°14'45.33103"	83°30'17.61204"
P843	34	22°13'14.76153"	83°23'22.83615"	P893	36	22°14'51.00821"	83°30'16.42949"
P844	34	22°13'10.32907"	83°23'17.73020"	P894	36	22°14'56.69022"	83°30'13.98713"
P845	34	22°13'05.53719"	83°23'13.07706"	P895	36	22°15'00.60659"	83°30'12.59116"
P846	34	22°12'59.86359"	83°23'09.68764"	P896	36	22°14'06.94130"	83°30'27.54154"
P847	34	22°12'55.21315"	83°23'04.84029"	P897	36	22°14'11.33357"	83°30'23.51723"
P848	34	22°12'50.71694"	83°22'59.79991"	P898	36	22°14'13.93110"	83°30'18.63003"
P849	34	22°12'45.81027"	83°22'55.23529"	P899	36	22°14'17.00296"	83°30'14.98421"
P850	34	22°12'40.72529"	83°22'50.88755"	P900	36	22°14'22.48817"	83°30'17.80815"
P901	36	22°14'28.74636"	83°30'19.01987"	P951	38	22°10'10.82008"	83°31'28.27369"
P902	36	22°14'34.76217"	83°30'17.66629"	P952	38	22°10'04.55685"	83°31'30.03478"
P903	36	22°14'38.85001"	83°30'17.95002"	P953	38	22°10'00.03896"	83°31'34.60936"
P904	37	22°12'34.68549"	83°32'13.05380"	P954	38	22°09'53.92419"	83°31'36.73912"
P905	37	22°12'38.42602"	83°32'18.76167"	P955	38	22°09'47.42539"	83°31'36.74871"
P906	37	22°12'42.17019"	83°32'24.46685"	P956	38	22°09'43.92918"	83°31'36.57269"
P907	37	22°12'45.91198"	83°32'30.17386"	P957	38	22°09'43.92918"	83°31'36.57269"
P908	37	22°12'49.89987"	83°32'33.61893"	P958	38	22°09'37.45299"	83°31'35.98477"
P909	37	22°12'52.76739"	83°32'27.61811"	P959	38	22°09'31.05790"	83°31'36.65677"
P910	37	22°12'54.00782"	83°32'20.76667"	P960	38	22°09'26.05867"	83°31'35.76734"
P911	37	22°12'54.11194"	83°32'20.17151"	P961	38	22°09'25.78585"	83°31'33.08251"
P912	37	22°12'49.25087"	83°32'35.58206"	P962	39	22°10'32.30178"	83°29'18.79223"
P913	37	22°12'47.54015"	83°32'39.57291"	P963	39	22°10'31.70153"	83°29'25.73710"
P914	37	22°12'43.63864"	83°32'45.13643"	P964	39	22°10'31.40071"	83°29'32.70656"
P915	37	22°12'41.47652"	83°32'48.88724"	P965	39	22°10'31.11235"	83°29'39.66990"
P916	37	22°12'45.21974"	83°32'43.18303"	P966	39	22°10'32.66811"	83°29'46.41275"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P917	37	22°12'49.10501"	83°32'37.67536"	P967	39	22°10'34.57376"	83°29'53.08398"
P918	37	22°12'49.25087"	83°32'35.58206"	P968	39	22°10'36.27757"	83°29'59.81448"
P919	37	22°12'17.24983"	83°32'01.17302"	P969	39	22°10'37.64447"	83°30'06.63644"
P920	37	22°12'20.02107"	83°32'01.79756"	P970	39	22°10'38.02185"	83°30'08.58716"
P921	37	22°12'10.33334"	83°31'59.26877"	P971	39	22°10'41.13132"	83°30'18.55606"
P922	37	22°12'13.39049"	83°32'00.14647"	P972	39	22°10'42.74376"	83°30'25.27545"
P923	37	22°13'33.90959"	83°31'17.75949"	P973	39	22°10'44.32518"	83°30'31.89666"
P924	37	22°13'35.80157"	83°31'12.21477"	P974	39	22°10'49.28448"	83°30'36.37619"
P925	37	22°13'34.36934"	83°31'05.46732"	P975	39	22°10'49.75330"	83°30'36.81379"
P926	37	22°13'36.32899"	83°30'58.92505"	P976	39	22°10'25.40678"	83°30'18.48337"
P927	37	22°13'35.95205"	83°30'52.47778"	P977	39	22°10'30.60413"	83°30'22.63839"
P928	37	22°13'33.80802"	83°30'45.88933"	P978	39	22°10'36.32096"	83°30'25.95807"
P929	37	22°13'33.72131"	83°30'45.60424"	P979	39	22°10'41.95577"	83°30'29.43124"
P930	37	22°13'25.66472"	83°31'28.09233"	P980	39	22°10'39.74110"	83°30'28.28123"
P931	37	22°13'30.89028"	83°31'25.62787"	P981	39	22°10'33.91780"	83°30'25.18724"
P932	37	22°13'33.06566"	83°31'19.14844"	P982	39	22°10'28.35388"	83°30'21.60029"
P933	37	22°13'33.90959"	83°31'17.75949"	P983	39	22°10'25.32824"	83°30'18.79085"
P934	37	22°13'22.93915"	83°31'46.78868"	P984	39	22°10'49.75330"	83°30'36.81379"
P935	37	22°13'21.99822"	83°31'44.37010"	P985	39	22°10'54.36201"	83°30'41.69236"
P936	37	22°13'21.24361"	83°31'42.48101"	P986	39	22°10'55.00871"	83°30'42.85506"
P937	37	22°13'12.21139"	83°31'47.39758"	P987	40	22°10'16.01002"	83°28'07.09810"
P938	37	22°13'08.69216"	83°31'52.73647"	P988	40	22°10'21.08988"	83°28'03.28171"
P939	37	22°13'07.26255"	83°31'53.69732"	P989	40	22°10'25.60034"	83°28'05.08529"
P940	37	22°13'06.28260"	83°31'55.25344"	P990	40	22°10'27.91201"	83°28'07.58957"
P941	37	22°13'13.12474"	83°31'46.63597"	P991	40	22°10'22.10493"	83°28'01.47336"
P942	37	22°13'09.92517"	83°31'52.67754"	P992	40	22°10'22.33763"	83°28'01.78056"
P943	37	22°13'10.40261"	83°31'52.47985"	P993	40	22°09'40.67279"	83°28'06.77200"
P944	37	22°13'04.93052"	83°31'57.85751"	P994	40	22°09'46.95499"	83°28'08.25685"
P945	37	22°13'05.68656"	83°31'57.25675"	P995	40	22°09'53.11429"	83°28'09.80544"
P946	37	22°13'04.91592"	83°31'57.91856"	P996	40	22°09'57.88419"	83°28'05.99391"
P947	38	22°10'35.18278"	83°31'30.49571"	P997	40	22°10'00.89506"	83°28'04.09124"
P948	38	22°10'29.07049"	83°31'32.17482"	P998	40	22°10'06.49853"	83°28'05.61062"
P949	38	22°10'23.53092"	83°31'30.68950"	P999	40	22°10'07.25773"	83°28'05.52368"
P950	38	22°10'17.18432"	83°31'29.29424"	P1000	40	22°09'11.87985"	83°28'39.12296"
P1001	40	22°09'16.00185"	83°28'33.72898"	P1051	42	22°06'46.58529"	83°30'40.12994"
P1002	40	22°09'19.98973"	83°28'28.21949"	P1052	42	22°02'31.31696"	83°29'55.32046"

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Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P1003	40	22°09'23.92290"	83°28'22.66566"	P1053	42	22°02'30.40346"	83°29'56.35208"
P1004	40	22°09'27.73947"	83°28'17.01818"	P1054	43	22°02'19.13111"	83°24'26.10517"
P1005	40	22°09'24.98055"	83°28'21.53477"	P1055	43	22°02'14.20867"	83°24'29.92998"
P1006	40	22°09'20.98701"	83°28'27.03671"	P1056	43	22°02'11.60070"	83°24'36.15289"
P1007	40	22°09'17.05599"	83°28'32.59130"	P1057	43	22°02'06.61821"	83°24'40.46920"
P1008	40	22°09'12.98775"	83°28'38.03260"	P1058	43	22°02'02.38151"	83°24'45.58511"
P1009	40	22°09'12.25858"	83°28'39.03332"	P1059	43	22°01'56.13460"	83°24'46.99199"
P1010	41	22°06'48.46210"	83°29'25.12229"	P1060	43	22°01'49.72179"	83°24'47.70213"
P1011	41	22°06'51.88185"	83°29'19.20029"	P1061	43	22°01'43.41413"	83°24'47.01672"
P1012	41	22°06'55.54685"	83°29'13.43974"	P1062	43	22°01'42.17398"	83°24'45.93848"
P1013	41	22°06'59.03707"	83°29'07.55738"	P1063	43	22°01'42.17398"	83°24'45.93848"
P1014	41	22°07'02.44760"	83°29'01.61946"	P1064	43	22°01'39.31498"	83°24'39.92395"
P1015	41	22°07'03.68701"	83°28'33.43244"	P1065	43	22°01'37.79354"	83°24'33.26525"
P1016	41	22°07'02.30139"	83°28'26.63731"	P1066	43	22°01'34.91368"	83°24'27.02291"
P1017	41	22°07'01.48795"	83°28'21.95351"	P1067	43	22°01'32.43863"	83°24'20.65087"
P1018	41	22°07'01.75648"	83°28'22.02215"	P1068	43	22°01'28.61219"	83°24'15.01693"
P1019	41	22°07'02.95547"	83°28'28.87785"	P1069	43	22°01'24.60590"	83°24'09.56149"
P1020	41	22°07'05.06566"	83°28'35.40051"	P1070	43	22°01'21.90665"	83°24'08.24553"
P1021	41	22°07'05.60895"	83°28'36.41128"	P1071	43	22°01'23.23993"	83°24'05.19515"
P1022	41	22°07'48.92772"	83°27'58.67299"	P1072	43	22°03'32.07322"	83°24'52.37201"
P1023	41	22°07'55.06309"	83°28'00.97540"	P1073	43	22°03'27.17660"	83°24'47.80841"
P1024	41	22°08'01.18870"	83°28'03.30149"	P1074	43	22°03'22.10281"	83°24'43.46361"
P1025	41	22°08'07.56872"	83°28'03.96739"	P1075	43	22°03'16.96616"	83°24'39.25104"
P1026	41	22°08'11.56247"	83°27'59.69342"	P1076	43	22°03'11.34222"	83°24'35.80874"
P1027	41	22°08'11.83915"	83°27'59.50814"	P1077	43	22°03'05.76595"	83°24'32.37091"
P1028	41	22°08'13.19098"	83°27'45.06105"	P1078	43	22°03'01.14029"	83°24'27.49908"
P1029	41	22°08'12.13278"	83°27'51.94189"	P1079	43	22°02'57.68606"	83°24'21.77820"
P1030	41	22°08'11.14214"	83°27'58.83474"	P1080	43	22°02'51.73653"	83°24'19.21633"
P1031	41	22°08'11.59773"	83°27'54.44947"	P1081	43	22°02'48.87439"	83°24'17.46491"
P1032	41	22°08'12.52148"	83°27'47.54574"	P1082	43	22°02'48.87439"	83°24'17.46491"
P1033	41	22°08'12.94570"	83°27'44.87228"	P1083	43	22°02'42.59459"	83°24'17.08796"
P1034	42	22°02'38.61866"	83°29'45.76965"	P1084	43	22°02'36.31265"	83°24'18.60504"
P1035	42	22°02'34.82012"	83°29'51.12775"	P1085	43	22°02'29.99614"	83°24'17.18847"
P1036	42	22°02'32.26318"	83°29'54.28191"	P1086	43	22°02'25.06739"	83°24'20.02999"
P1037	42	22°05'59.46863"	83°32'00.49404"	P1087	43	22°02'20.91084"	83°24'25.37985"
P1038	42	22°06'02.07782"	83°31'54.32795"	P1088	43	22°02'19.13111"	83°24'26.10517"

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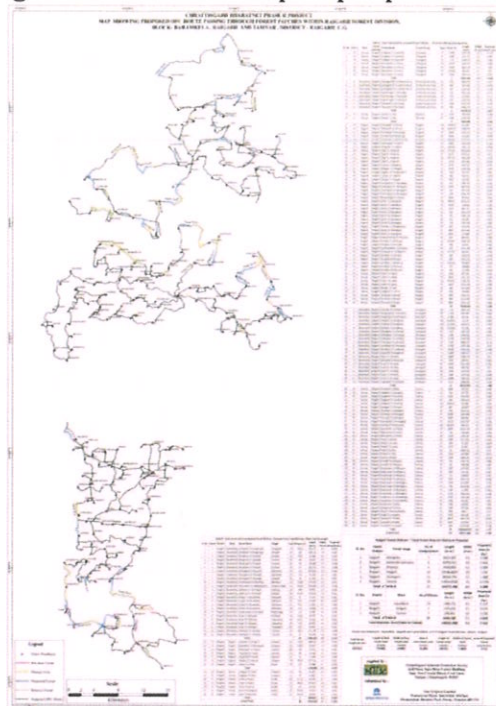
Point	Patch	Latitud in D:M:S	Longitud in D:M:S	Point	Patch	Latitud in D:M:S	Longitud in D:M:S
P1039	42	22°06'06.23812"	83°31'48.96964"	P1089	43	22°01'23.23993"	83°24'05.19515"
P1040	42	22°06'09.67269"	83°31'43.07673"	P1090	43	22°01'26.98295"	83°24'01.14112"
P1041	42	22°06'09.79873"	83°31'36.35112"	P1091	43	22°01'32.19643"	83°23'57.65504"
P1042	42	22°06'09.47461"	83°31'29.38535"	P1092	43	22°01'34.95152"	83°23'51.40664"
P1043	42	22°06'09.46252"	83°31'29.11715"	P1093	43	22°01'38.17025"	83°23'45.35003"
P1044	42	22°06'45.22957"	83°34'08.78089"	P1094	43	22°01'40.10680"	83°23'39.21509"
P1045	42	22°06'51.72625"	83°34'08.70088"	P1095	43	22°01'39.02733"	83°23'32.47327"
P1046	42	22°06'57.44287"	83°34'05.63838"	P1096	43	22°01'39.87721"	83°23'25.63752"
P1047	42	22°07'03.78547"	83°34'04.19427"	P1097	43	22°01'39.74110"	83°23'18.84444"
P1048	42	22°07'08.57387"	83°33'59.92347"	P1098	43	22°01'40.50872"	83°23'12.09452"
P1049	42	22°07'11.14360"	83°33'54.04622"	P1099	43	22°01'40.81175"	83°23'05.26706"
P1050	42	22°06'45.35630"	83°30'40.46543"	P1100	43	22°01'42.01040"	83°22'58.44686"
P1101	43	22°01'42.80597"	83°22'56.14964"				
P1102	44	22°01'42.56422"	83°22'29.94227"				
P1103	44	22°01'43.35734"	83°22'23.08498"				
P1104	44	22°01'39.31491"	83°22'22.88580"				
P1105	44	22°01'33.72451"	83°22'26.43807"				
P1106	44	22°01'29.11516"	83°22'29.19537"				
P1107	44	22°01'23.41830"	83°22'32.52669"				
P1108	44	22°01'17.21910"	83°22'34.30308"				
P1109	44	22°01'11.09582"	83°22'36.54134"				
P1110	44	22°01'05.00657"	83°22'38.86262"				
P1111	44	22°00'58.62336"	83°22'40.16593"				
P1112	44	22°00'52.15942"	83°22'40.86237"				
P1113	44	22°00'46.50913"	83°22'41.49767"				



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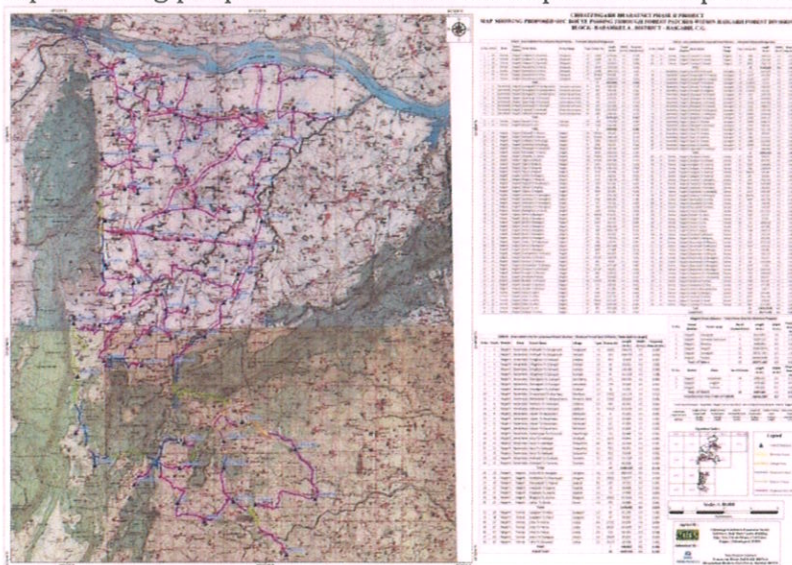
5.3. Geo-Referenced Maps of the Proposed Route (Annexure-3)

5.3.1. Map showing Geo-reference map of proposed OFC Route



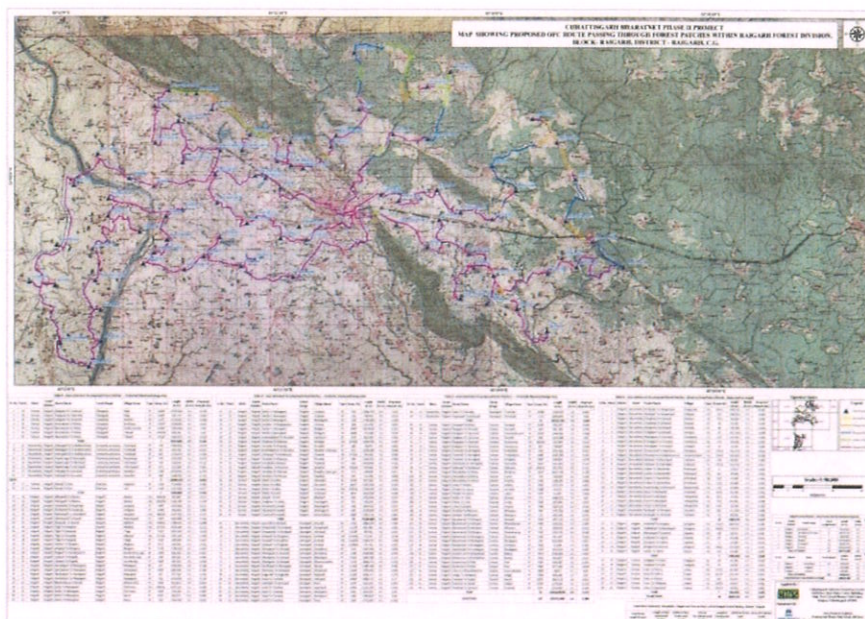
Geo-Referenced Maps of Forest Patched with in Raigarh Forest Division.

5.3.2. Map showing proposed OFC Route on Toposheet map on 1:50,000 scale.

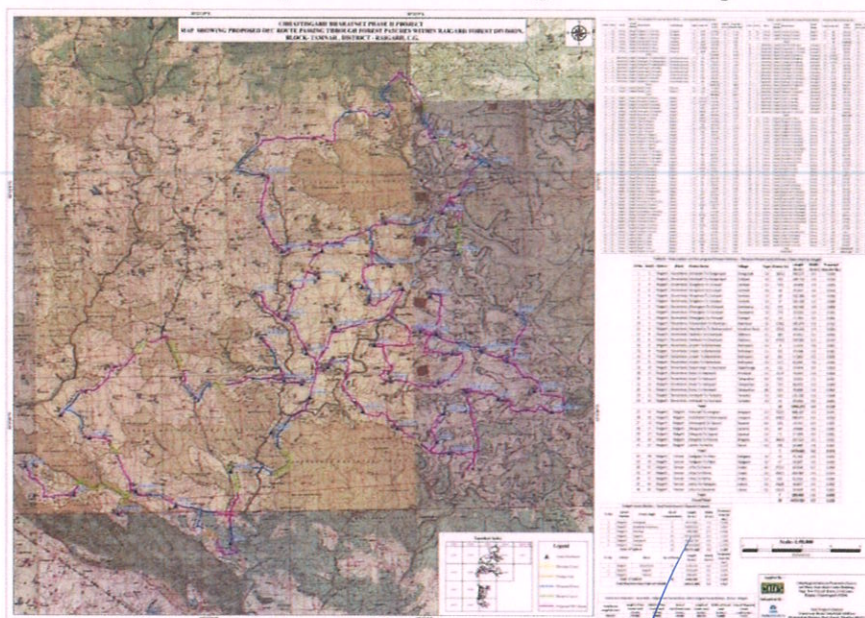


Geo-Referenced Toposheet Map of Forest Patched Baramkela Block in Raigarh Forest Division.

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Geo-Referenced Toposheet Map of Forest Patched Raigarh Block in Raigarh Forest Division.



Geo-Referenced Toposheet Map of Forest Patched Tamnar Block in Raigarh Forest Division.



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