

कार्यालय वनमण्डलाधिकारी, सरगुजा वनमण्डल, अम्बिकापुर (छ.ग.)

(प्रतापपुर रोड, फारेस्ट कैंम्पस, अम्बिकापुर, जिला-सरगुजा)

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क्रमांक / तक.अधि. /
प्रति,

3906

अम्बिकापुर, दिनांक / 01 / 10 / 2019

✓ श्री अजय नायक,
प्राधिकृत अधिकारी,
टाटा प्रोजेक्ट्स लिमिटेड,
भारत नेट प्रोजेक्ट, लाभांडी, रायपुर

विषय :- भारत सरकार की महत्वपूर्ण योजना "भारतनेट परियोजना" के सफल क्रियान्वयन हेतु सरगुजा वनमण्डल अंतर्गत मार्ग के समानान्तर वन भूमि 7.967 हे. एवं राजस्व वनभूमि 0.936 हे. कुल वन भूमि 8.903 हे. पर ऑप्टिकल फाईबर केबल बिछाने विषयक वनभूमि के गैर वानिकी परियोजन हेतु व्यपवर्तन प्रस्ताव हेतु डी.जी.पी.एस./लीडार सर्वे रिपोर्ट के सत्यापन बाबत।

संदर्भ :- स्टेट हेड, (आर.ओ.डब्ल्यू.), टाटा प्रोजेक्ट्स लिमिटेड, रायपुर का पत्र क्रमांक/07 दिनांक 20.09.2019

—00—

विषयान्तर्गत भारत सरकार की महत्वपूर्ण योजना "भारतनेट परियोजना" के तहत कार्यालय छ.ग. इन्फोटेक प्रमोशन सोसायटी (CHIPS) रायपुर द्वारा छ.ग. के समस्त जिलों के ग्राम पंचायतों को दूर संचार की आधुनिक सुविधाओं को जोड़ने एवं डिजीटलकृत हेतु मेसर्स टाटा प्रोजेक्ट लिमिटेड को कार्यान्वयन सहभागी नियुक्त किया गया है।

प्रकरण में संदर्भित पत्र द्वारा सरगुजा वनमण्डल के अम्बिकापुर/लखनपुर/लुण्ड्रा/सीतापुर एवं मैनपाट परिक्षेत्र अन्तर्गत आवेदक संस्थान द्वारा ऑप्टिकल फाईबर केबल बिछाने हेतु डी.जी.पी.एस./लीडार सर्वे रिपोर्ट मय मानचित्र प्रस्तुत किया गया, जिसका सत्यापन संबंधित वन परिक्षेत्राधिकारी एवं उप वनमण्डलाधिकारी द्वारा किया गया है।

सरगुजा वनमण्डल अन्तर्गत ऑप्टिकल फाईबर केबल बिछाने हेतु प्रस्तुत डी.जी.पी.एस. रिपोर्ट मय मानचित्र का सत्यापन उपरांत रिपोर्ट प्रेषित है। वनभूमि प्रत्यावर्तन हेतु वन संरक्षण अधिनियम 1980 के अन्तर्गत नियमानुसार प्रस्ताव तैयार करते हुए ऑनलाईन पंजीयन की कार्यवाही पूर्ण करें, ताकि अग्रिम कार्यवाही की जा सके।

संलग्न - डी.जी.पी.एस. रिपोर्ट मय मानचित्र।

वनमण्डलाधिकारी

सरगुजा वनमण्डल, अम्बिकापुर

अम्बिकापुर, दिनांक 01 / 10 / 2019

पृ.क्र. / तक.अधि. /
प्रतिलिपि :-

3907

1. अपर प्रधान मुख्य वन संरक्षक (भू-प्रबंध) छ.ग. अरण्य भवन, नवा रायपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।
2. मुख्य वन संरक्षक, सरगुजा वनवृत्त अम्बिकापुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु सम्प्रेषित।

वनमण्डलाधिकारी

सरगुजा वनमण्डल, अम्बिकापुर

CHHATTISGARH BHARATNET PHASE-II PROJECT

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

Forest Division	:	SURGUJA
Forest Land (RF/PF/OA)	:	7.967 Ha.
Rev. Forest Land	:	0.936 Ha.
Total Proposed Diversion Area	:	8.903 Ha.
Block	:	BATOULI, LAKHANPUR, LUNDRA, AND MAINPAT
District	:	SURGUJA (C.G.)

Applicant -



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

Submitted By -



TATA PROJECTS

Tata Projects Limited, Raipur (Chhattisgarh)



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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 unreached 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.

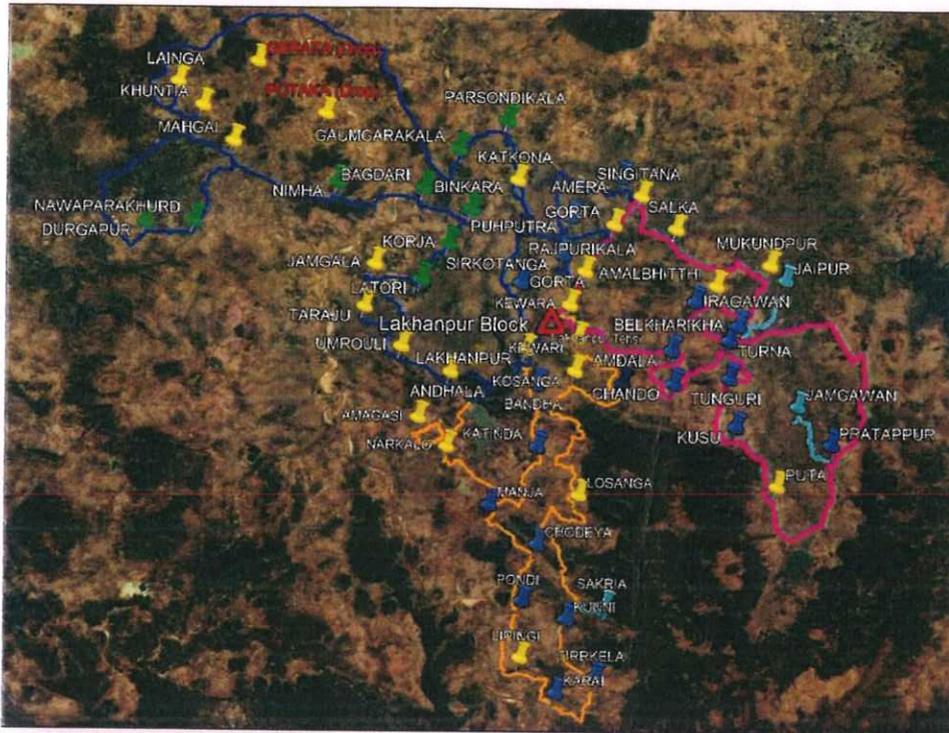
1.2. Proposed Routes

The proposed routes in Batouli, Lakhanpur, Lundra and Mainpat block with in Surguja Forest Division.



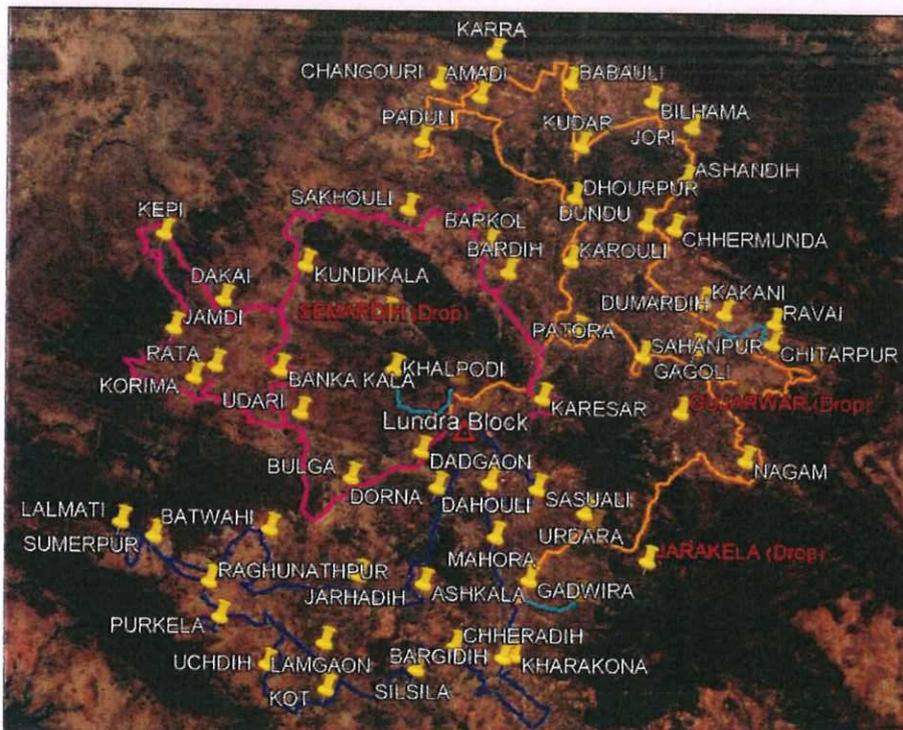
OFC Cable Proposed Routes in Batouli Block in Surguja Forest Division.

Chhattisgarh BharatNet Phase-II Project



OFC Cable Proposed Routes in Lakhanpur Block in Surguja Forest Division.

[Signature]
 Joint D.F.O.
 Udaipur Sub Division
[Signature]
 वन परिक्षेत्राधिकारी
 लखनपुर



OFC Cable Proposed Routes in Lundra Block in Surguja Forest Division.

[Signature]
 वन परिक्षेत्राधिकारी
 लुण्डा
 लुण्डा के वन परिक्षेत्राधिकारी
 लुण्डा के वन परिक्षेत्राधिकारी

[Signature]
 उप वनमण्डलाधिकारी
 अम्बिकापुर उप वनमण्डल



OFC Cable Proposed Routes in Mainpat Block in Surguja Forest Division.

1.3. Location

The proposed OFC Cable route in Surguja Forest Division (The OFC route Batouli, Lakhanpur, Lundra and Mainpat Block; District: Surguja). The Proposed OFC route length is approx. 157.606 in Batouli Block, 302.437 km in Lakhanpur Block. 284.050 km in Lundra Block and 172.282 km in Mainpat Block hence Total route length is 916.375 km. The survey site passes through forest ranges Ambikapur, Lakhanpur, Lundra, Mainpat, Sitapur, of Surguja Forest Division. The OFC Cable route is covered under Survey of India Toposheets 64J16, 64M04, 64M07, 64M08, 64M08, and 64M12, 64N01, 64N05, 64N06, and 64N09 on RF 1:50000.

1.4. Objective

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 radius 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

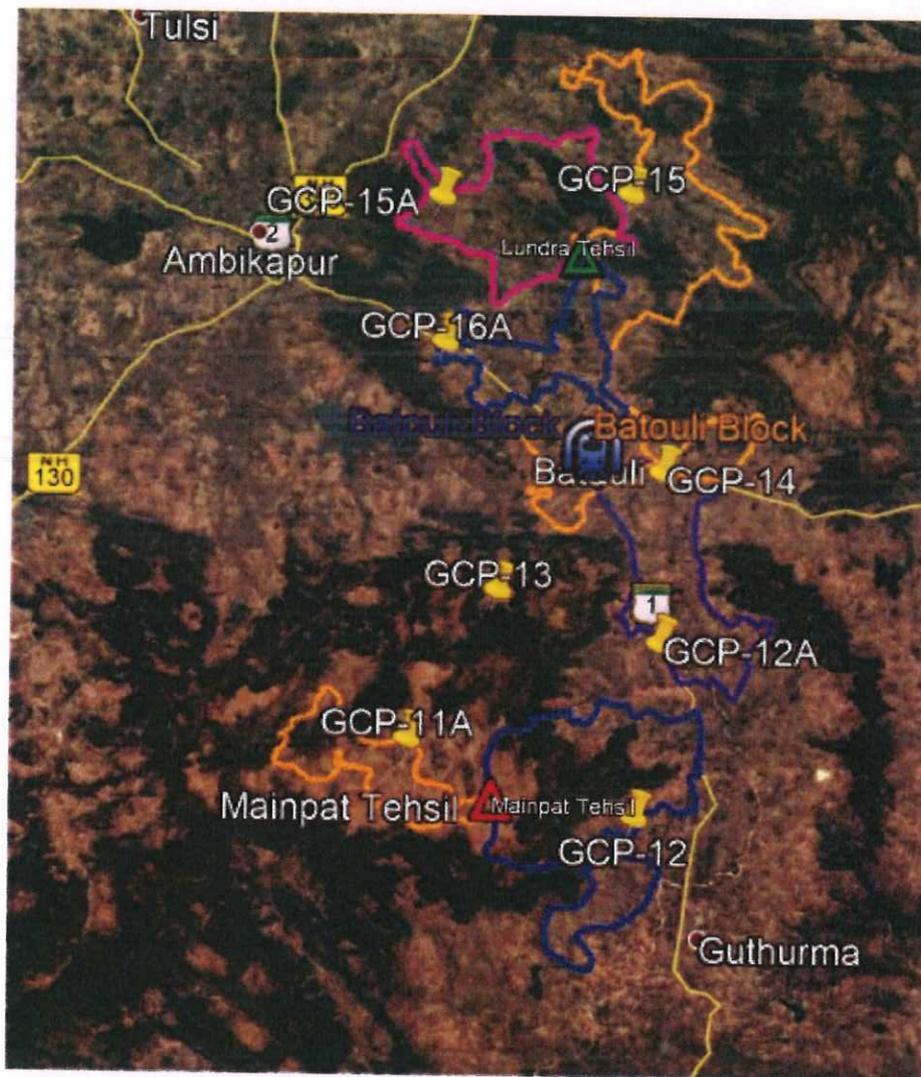
The deliverables envisaged for the assignment are described below -

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.



Leica Geosystems AG
Heinrich-Wild-Strasse
CH-9405 Heerbrugg
St. Gallen, Switzerland

Phone: + 41 71 727 8100
Fax: + 41 71 727 8574

- when it has to be right



GNSS Processing Report - Summary

Report created: 05/26/2019 14:47:28

Project Details

General	Customer Details	Master Coordinate System
Project Name: CHPS	Customer Name: -	Coordinate System Name: UTM44N
Owner: GENESIS INTERNATIONAL CORPORATION LIMITED	Contact Person: -	Transformation Type: Classical 3D
Lead Surveyor: -	Number: -	Residual Distribution: None
Date Created: 07/11/2019 14:21:05	Email: -	Ellipsoid: WGS 1984
LMF Account: 07/11/2019 14:21:06	Skype: -	Projection Type: UTM
Application Software: Infinity 2.1	Website: -	Satellite Model: GGM_2008
		CSCS Model: -
Path: G:\PROJECTS\PROJECTS\CHPS\CHPS.apj		
Size: 5,285.1 MB		
Comments: -		

SPP Point: 9453Base_1

Processing Parameters (05/26/2019 04:43:28 - 05/26/2019 12:53:14)

Data	Selected	Used	Comments
Cut-Off Angle:	15°	15°	
Frequency:	Automatic	L1/L2/L2BAS	
Sampling Rate:	Use All	1 sec	
Satellite System:	GPS/GLONASS/Belidou	GPS/GLONASS/Belidou	
Ephemeris Type:	Broadcast	Broadcast	
Antenna Calibration Set:	Leica Reference	Leica Reference	

Processing Strategy

Solution Type:	Phase Fixed	Navigated
Solution Optimization:	Automatic	None
Frequency to use in Ionosphere Model:	Automatic	Automatic
Tropospheric Model:	VMF with GPT2 model	VMF with GPT2 model
Ionospheric Model:	Automatic	Computed
Allow WideArea Fix:	Automatic	No

General Settings

Min. Distance for Ionosphere Model:	15 km
Possible Ambiguities Fix up to:	100 km
Min. Duration for Fix:	00:05:00
Solution (stack):	

Results SPP Point: 9453Base_1

Acquisition

Time Span:	05/26/2019 04:43:28 - 05/26/2019 12:53:14
Duration:	08:09:46

Antenna

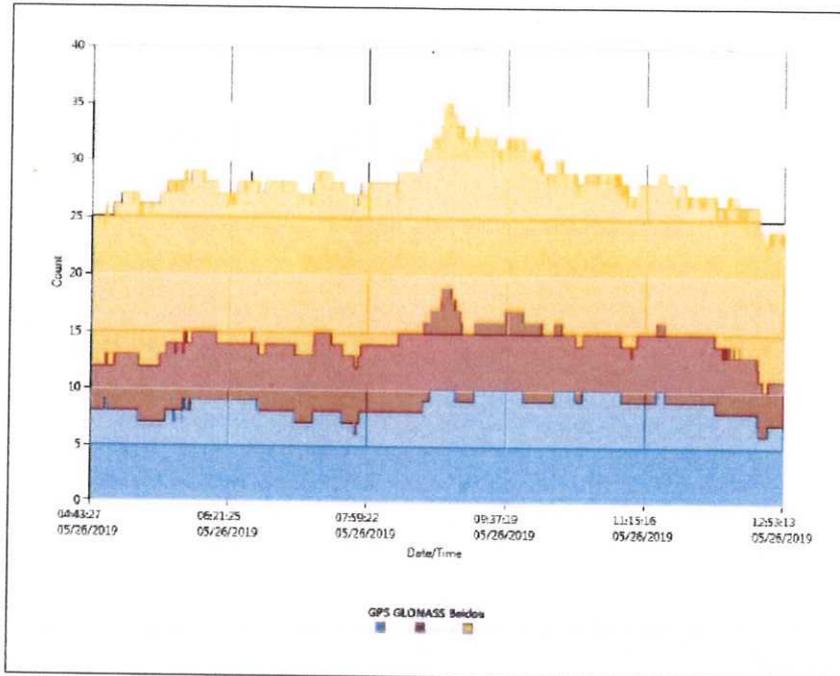
Receiver Name / SN:	LEICA 5516 / 202053
Antenna Name / SN:	LEICA 5516 / -
Center Offset:	0.3602 m
Height Reading:	1.5300 m
Antenna Height:	1.5100 m

Chhattisgarh BharatNet Phase-II Project

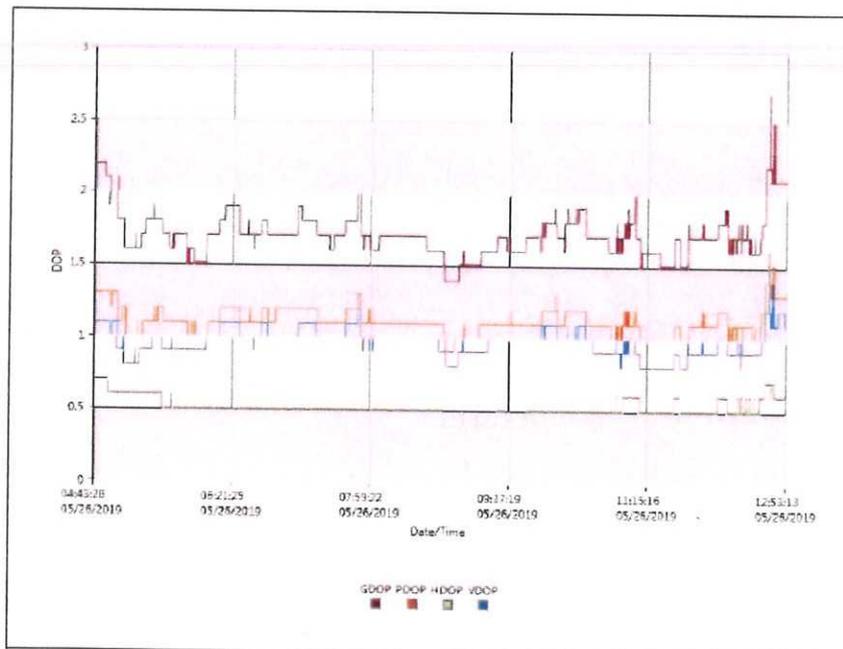
Processing Info (05/26/2019 04:43:28 - 05/26/2019 12:53:14)

Processed Date/Time: 07/31/2019 19:36:23

SVs Tracked



DOP



Chhattisgarh BharatNet Phase-II Project

List of GCP's -

Sr.No	District	GCP No.	Latitude (D:M:S)	Longitude(D:M:S)	Easting	Northing
1	Surguja	GCP-12A	22°53'00.97558"	83°27'29.64102"	22.883604	83.458234
2	Surguja	GCP-13	22°54'57.50990"	83°20'58.25797"	22.915975	83.349516
3	Surguja	GCP-14	22°59'24.63190"	83°27'32.90253"	22.990176	83.459140
9	Surguja	GCP-15	23°09'50.02871"	83°26'09.04796"	23.163897	83.435847
10	Surguja	GCP-15A	23°09'43.25519"	83°18'28.72401"	23.162015	83.307979
11	Surguja	GCP-16A	23°04'14.65117"	83°18'41.04506"	23.070736	83.311401
12	Surguja	GCP-11A	22°49'22.50418"	83°17'20.13728"	22.822918	83.288927
13	Surguja	GCP-12	22°46'31.98861"	83°26'29.73606"	22.775552	83.441593

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


D.F.O.
 Surguja Division
 Ambikapur


Joint D.F.O.
 Udaipur Sub Division


 संयुक्त वनमंडलाधिकारी एवं
 (प्र.) उप वनमंडलाधिकारी
 सीतापुर


 उप वनमंडलाधिकारी
 अम्बिकापुर उप वनमंडल


 वनपरिक्षेत्राधिकारी
 अम्बिकापुर उप वनमंडल


(IC) Range Officer
 Mainpat


Range Officer
 Sitapur


 वन परिक्षेत्राधिकारी
 लखनपुर

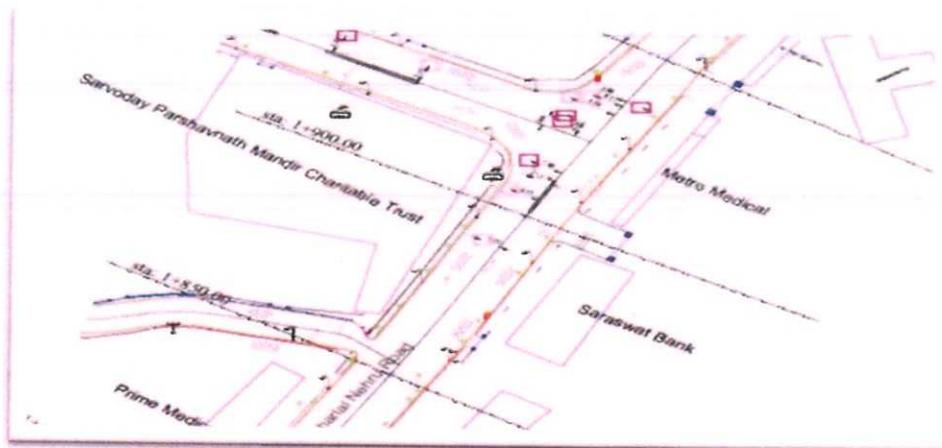

वन परिक्षेत्राधिकारी
 लुण्डा
 Page | 10

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.



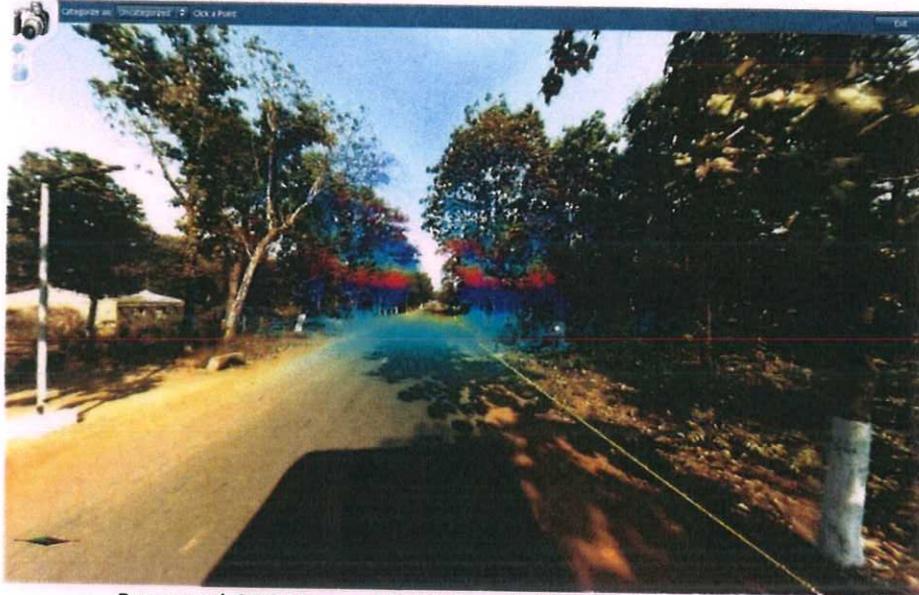
Feature Extraction on LiDAR



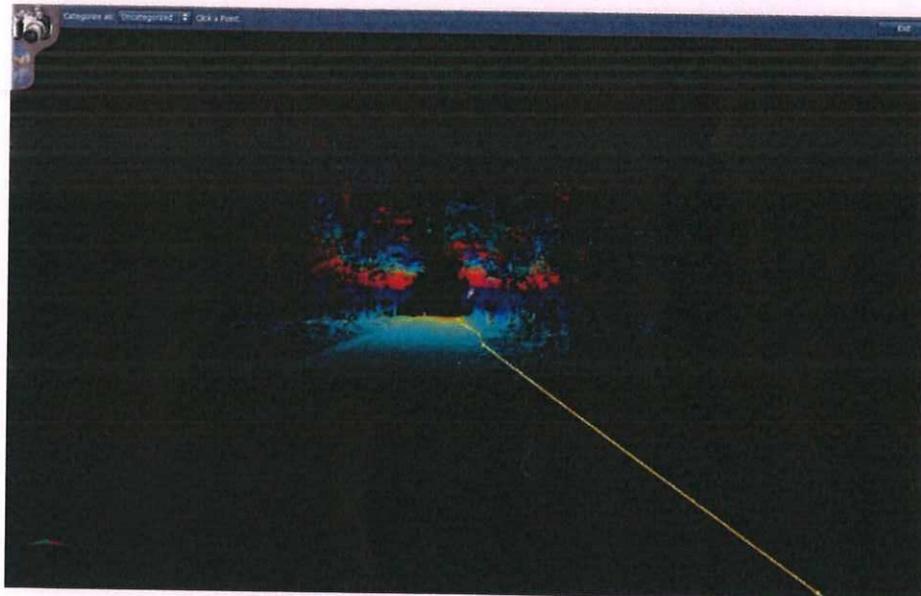
Final DRS / GIS Map

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.



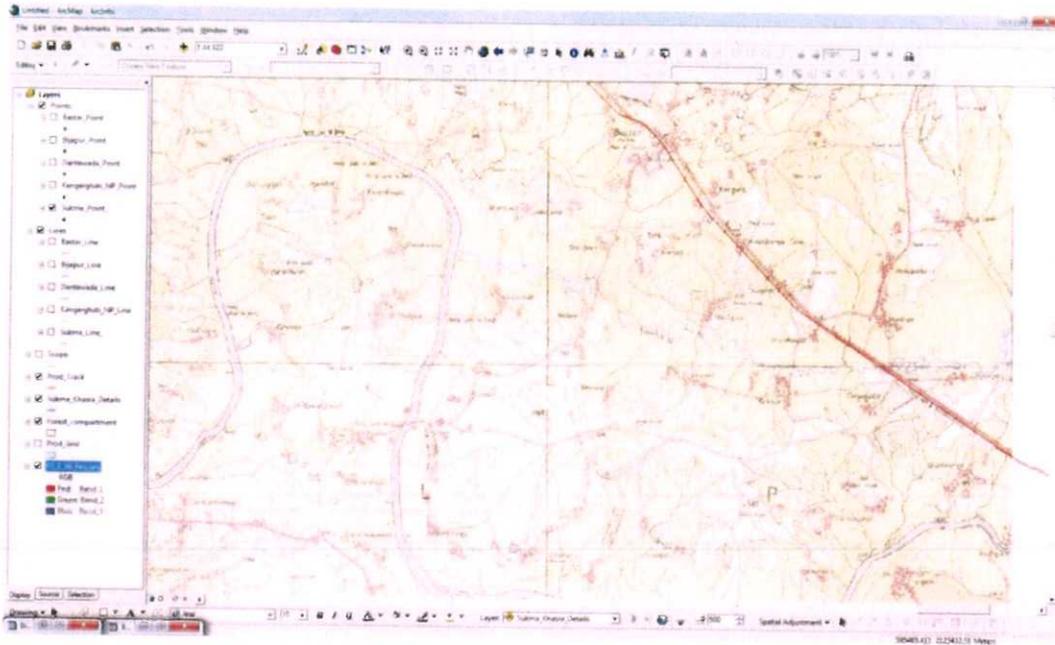
Proposed OFC Line on LiDAR Data (with Panoramic Imagery)



Proposed OFC Line on LiDAR Data only

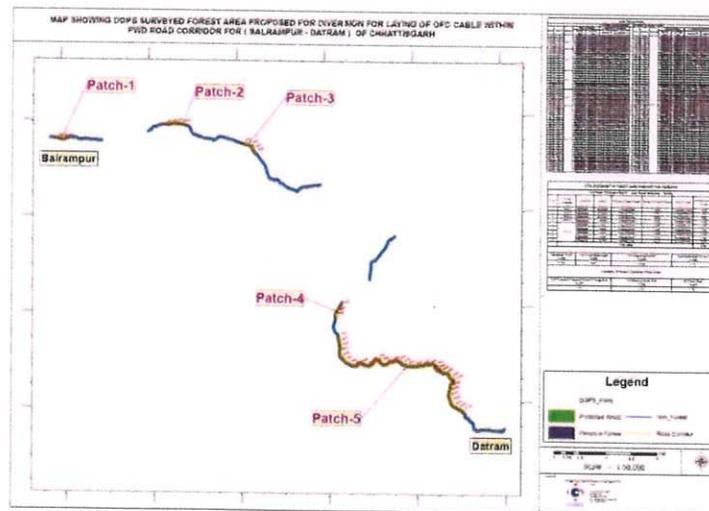
4.5. Geo-referencing of Maps:

Geo-referencing of Revenue Village Maps and SOI Toposheets are to be done. SOI Toposheets would be geo-referenced based on the coordinates provided on the maps whereas Revenue Village Maps would be geo-referenced with the help of GCPs collected on field. (At least 5 GCPs for a village having Government Forest Land are to be collected)



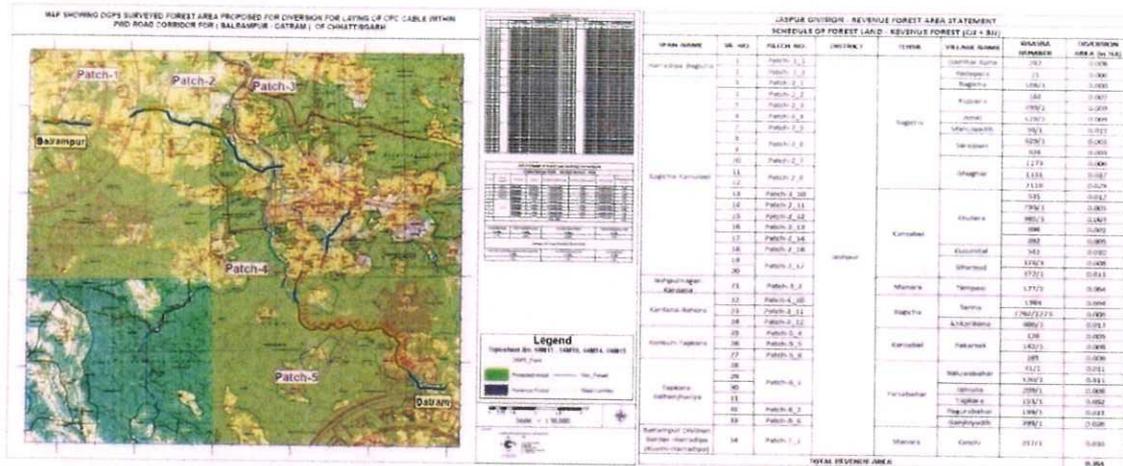
4.6. Creation of Vector Data for Forest Diversion:

Different Layers such as Polygon of Reserved Forest /Protected Forest /Orange Area Patch, Centerline of Proposed OFC Trench, Non-Forest Trench line, Polygons showing Revenue Forest patches etc. are to be created using the Lidar based GDPS Observation, Geo-referenced maps and the information provided by the forest department and Revenue department.



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.



Geo-referenced Map

Forest Area Statement

5. DGPS Survey Results

The total OFC route length is approx. 916.375 km. covered Batouli, Lakhapur, Lundra and Mainpat block of Surguja District. Out of this 738.320 km OFC route length is passing through non-forest Land and 178.055 km OFC route length is passing through Forest Patches hence the proposed forest area for diversion is 8.903 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 – Batouli, Chhuriya, Lakhapur, Lundra and Mainpat Block with in Surguja Forest Division, District - Surguja						
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.)
916.375	738.320	0.0005	36.916	178.055	0.0005	8.903

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D.F.O.
Surguja Division
Ambikapur

Surguja 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	Surguja	Ambikapur	1	1216.906	0.5	0.061
2	Surguja	Lakhapur	47	79620.683	0.5	3.981
3	Surguja	Lundra	37	33545.387	0.5	1.677
5	Surguja	Sitapur	14	4729.608	0.5	0.236
4	Surguja	Mainpat	19	40221.856	0.5	2.012
Total of Table A				159334.440	0.5	7.967
Sl. No.	District	Block	No of Khasra	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
1	Surguja	Batouli	3	206.929	0.5	0.010
2	Surguja	Lakhapur	33	16083.626	0.5	0.806
3	Surguja	Lundra	7	1706.834	0.5	0.085
4	Surguja	Mainpat	6	723.200	0.5	0.035
Total of Table B			49	18720.589	0.5	0.936
Total Diversion Area (Table A+TableB)				178055.029	0.5	8.903

संयुक्त वनमण्डलाधिकारी एवं
(प्र.) उप वनमण्डलाधिकारी
सीतापुर

उप वनमण्डलाधिकारी
अम्बिकापुर उप वनमण्डल

वनपरिक्षेत्राधिकारी
अम्बिकापुर परिक्षेत्र

(I/C) Range Officer
Mainpat

Range Officer
Sitapur

वन परिक्षेत्राधिकारी
लुण्डा

Joint D.F.O.
Ludaipur Sub Division





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	2	Lundra	Surguja	Korima to Jamdi	Ambikapur	PF	P2599	1216.906	0.5	0.061
Total										
2	2	Lakhanpur	Surguja	Khuntia To Gerata	Lakhanpur	PF	VVN P184	8080.054	0.5	0.404
3	3	Lakhanpur	Surguja	Khuntia To Gerata	Lakhanpur	PF	VVN P184	2772.557	0.5	0.139
4	3	Lakhanpur	Surguja	Mahgai To Khuntia	Lakhanpur	PF	VVN P183	1472.977	0.5	0.074
5	3	Lakhanpur	Surguja	Bagdari to Mahgai	Lakhanpur	PF	VVN P184	2717.034	0.5	0.136
6	3	Lakhanpur	Surguja	Bagdari to Mahgai	Lakhanpur	PF	VVN P185	740.056	0.5	0.037
7	3	Lakhanpur	Surguja	khuntia To durgapur	Lakhanpur	PF	VVN P183	2028.816	0.5	0.101
8	3	Lakhanpur	Surguja	Bagdari to Mahgai	Lakhanpur	PF	VVN P185	376.520	0.5	0.019
9	3	Lakhanpur	Surguja	Mahgai To Nimha	Lakhanpur	PF	VVN P183	503.167	0.5	0.025
10	3	Lakhanpur	Surguja	Mahgai To Khuntia	Lakhanpur	PF	VVN P183	15226.824	0.5	0.761
11	4	Lakhanpur	Surguja	Binkara to Gerata	Lakhanpur	PF	P2247	9214.595	0.5	0.461
12	4	Lakhanpur	Surguja	Bagdari to Mahgai	Lakhanpur	PF	VVN P185	2038.476	0.5	0.102
13	4	Lakhanpur	Surguja	Khuntia To Lamga	Lakhanpur	PF	VVN P184	137.680	0.5	0.007
14	5	Lakhanpur	Surguja	Gaumgarakala to Parsondikala	Lakhanpur	PF	P2249	875.792	0.5	0.044
15	5	Lakhanpur	Surguja	Bagdari to Mahgai	Lakhanpur	PF	VVN P185	3022.913	0.5	0.151
16	6	Lakhanpur	Surguja	Banikar to Bagdari	Lakhanpur	PF	P2246	529.640	0.5	0.026
17	7	Lakhanpur	Surguja	katin da to Narkalo	Lakhanpur	PF	P2244	1271.835	0.5	0.064
18	7	Lakhanpur	Surguja	Pondi to Manja	Lakhanpur	PF	P2241	5176.180	0.5	0.259
19	8	Lakhanpur	Surguja	karai to Lipingi	Lakhanpur	PF	P2237	1524.515	0.5	0.076
20	9	Lakhanpur	Surguja	Tirrkela to karai	Lakhanpur	PF	P2235	1833.072	0.5	0.092
21	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	5.434	0.5	0.000

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22	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	5.280	0.5	0.000
23	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	6.893	0.5	0.000
24	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	6.923	0.5	0.000
25	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	229.257	0.5	0.011
26	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	232.403	0.5	0.012
27	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	3.536	0.5	0.000
28	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	3.753	0.5	0.000
29	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	529.515	0.5	0.026
30	10	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	532.902	0.5	0.027
31	11	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2242	2990.556	0.5	0.150
32	11	Lakhanpur	Surguja	Kunni to Losanga	Lakhanpur	PF	P2240	850.781	0.5	0.043
33	12	Lakhanpur	Surguja	Losanga to Kosanga	Lakhanpur	PF	P2259	445.874	0.5	0.022
34	12	Lakhanpur	Surguja	Losanga to Kosanga	Lakhanpur	PF	P2260	2302.299	0.5	0.115
35	13	Lakhanpur	Surguja	katinda to Bandha	Lakhanpur	PF	P2262	1093.105	0.5	0.055
36	13	Lakhanpur	Surguja	katinda to Bandha	Lakhanpur	PF	P2261	1079.104	0.5	0.054
37	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2251	741.388	0.5	0.037
38	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2251	736.676	0.5	0.037
39	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2251	632.276	0.5	0.032
40	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2262	207.508	0.5	0.010
41	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2262	201.100	0.5	0.010
42	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2262	181.739	0.5	0.009
43	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2262	0.747	0.5	0.000
44	14	Lakhanpur	Surguja	Lakhanpur to Andhala	Lakhanpur	PF	P2262	0.746	0.5	0.000
45	15	Lakhanpur	Surguja	Beldagi to Kewari	Lakhanpur	PF	P2516	1439.728	0.5	0.072
46	15	Lakhanpur	Surguja	Amdala to chando	Lakhanpur	PF	P2252	177.918	0.5	0.009
47	16	Lakhanpur	Surguja	Lakhanpur to Amdala	Lakhanpur	PF	P2516	3031.874	0.5	0.152
48	17	Lakhanpur	Surguja	Salka to Mukundpur	Lakhanpur	PF	P2520	2408.665	0.5	0.120



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		Total-						47	79620.683	0.5	3.981
49	18	Lundra	Surguja	Kot to Silsila	Lundra	PF	P2622	557.478	0.5	0.028	
50	19	Lundra	Surguja	Purkela to Lamgaon	Lundra	PF	P2630	279.955	0.5	0.014	
51	19	Lundra	Surguja	Purkela to Lamgaon	Lundra	PF	P2630	705.735	0.5	0.035	
52	20	Lundra	Surguja	Raghuunathpur to Sumerpur	Lundra	PF	P2607	451.156	0.5	0.023	
53	20	Lundra	Surguja	Sumerpur to Lalmati	Lundra	PF	2589	1243.822	0.5	0.062	
54	20	Lundra	Surguja	Raghuunathpur to Sumerpur	Lundra	RF	2591	459.350	0.5	0.023	
55	20	Lundra	Surguja	Sumerpur to Lalmati	Lundra	RF	P2606	197.719	0.5	0.010	
56	21	Lundra	Surguja	Ashkala to dorna	Lundra	PF	P2618	1886.194	0.5	0.094	
57	22	Lundra	Surguja	Lundra Tehsil to dorna	Lundra	PF	P2686	421.850	0.5	0.021	
58	23	Lundra	Surguja	Lundra Tehsil to dorna	Lundra	PF	P2686	364.570	0.5	0.018	
59	24	Lundra	Surguja	Lundra Tehsil to dorna	Lundra	PF	P2686	1560.796	0.5	0.078	
60	25	Lundra	Surguja	Bulga to Udari	Lundra	PF	P2613	2195.460	0.5	0.110	
61	25	Lundra	Surguja	Bulga to Udari	Lundra	PF	P2612	595.602	0.5	0.030	
62	26	Lundra	Surguja	Korima to Rata	Lundra	PF	P2604	559.264	0.5	0.028	
63	26	Lundra	Surguja	Korima to Udari	Lundra	PF	P2604	1098.984	0.5	0.055	
64	27	Lundra	Surguja	Jamdi to Kepi	Lundra	PF	P2601	1252.517	0.5	0.063	
65	27	Lundra	Surguja	Jamdi to Kepi	Lundra	PF	P2600	325.088	0.5	0.016	
66	28	Lundra	Surguja	kundikala to Banka Kala	Lundra	PF	P2610	767.682	0.5	0.038	
67	28	Lundra	Surguja	Korima to Jamdi	Lundra	PF	P2605	1306.647	0.5	0.065	
68	29	Lundra	Surguja	kundikala to Banka Kala	Lundra	PF	P2698	634.627	0.5	0.032	
69	30	Lundra	Surguja	Sakehouli to kundikala	Lundra	PF	P2697	881.585	0.5	0.044	
70	31	Lundra	Surguja	Sakehouli to kundikala	Lundra	PF	P2699	311.616	0.5	0.016	
71	32	Lundra	Surguja	Amadi to Paduli	Lundra	RF	2701	1079.475	0.5	0.054	
72	32	Lundra	Surguja	Amadi to Paduli	Lundra	RF	2701	749.121	0.5	0.037	
73	33	Lundra	Surguja	Amadi to dhourpur	Lundra	RF	2700	1375.330	0.5	0.069	
74	34	Lundra	Surguja	Amadi to dhourpur	Lundra	PF	P2717	931.872	0.5	0.047	



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75	34	Lundra	Surguja	Amadi to dhourpur	Lundra	PF	P2716	707.726	0.5	0.035	
76	35	Lundra	Surguja	Kudar to Bilhama	Lundra	PF	P2673	62.164	0.5	0.003	
77	35	Lundra	Surguja	kudar to Babauli	Lundra	PF	P2715	1620.925	0.5	0.081	
78	36	Lundra	Surguja	Kakani to Chhermunda	Lundra	PF	P2678	360.090	0.5	0.018	
79	36	Lundra	Surguja	Ashandih to Jori	Lundra	PF	P2672	797.880	0.5	0.040	
80	37	Lundra	Surguja	Jamdh to Nagam	Lundra	PF	P2679	1758.779	0.5	0.088	
81	38	Lundra	Surguja	Jamdh to Nagam	Lundra	PF	P2680	1205.016	0.5	0.060	
82	39	Lundra	Surguja	Lundra to Sasuali	Lundra	PF	P2685	531.088	0.5	0.027	
83	39	Lundra	Surguja	Lundra to Sasuali	Lundra	PF	P2685	368.979	0.5	0.018	
84	40	Lundra	Surguja	Chiranga to Karesar	Lundra	PF	P2687	2234.722	0.5	0.112	
85	40	Lundra	Surguja	Chiranga to Karesar	Lundra	PF	P2687	1704.323	0.5	0.085	
Total-								37	33545.387	0.5	1.677
86	41	Batouli	Surguja	Batouli Block to Belkota	Sitapur	PF	P2625	771.196	0.5	0.039	
87	41	Batouli	Surguja	Batouli Block to Belkota	Sitapur	PF	P2625	39.041	0.5	0.002	
88	41	Batouli	Surguja	Batouli Block to Belkota	Sitapur	PF	P2625	40.044	0.5	0.002	
89	42	Batouli	Surguja	Jhargaon to Gahila	Sitapur	PF	P2628	140.851	0.5	0.007	
90	43	Batouli	Surguja	Jhargaon to Manja	Sitapur	PF	P2631	279.212	0.5	0.014	
91	43	Batouli	Surguja	Manja to Jhargaon	Sitapur	PF	P2631	279.212	0.5	0.014	
92	44	Batouli	Surguja	Bilaspur to Batauli	Sitapur	RF	2643	768.090	0.5	0.038	
93	44	Batouli	Surguja	Bilaspur to Batauli	Sitapur	RF	2643	762.984	0.5	0.038	
94	45	Batouli	Surguja	Tirang to Bansajhal	Sitapur	PF	P2649	218.743	0.5	0.011	
95	46	Batouli	Surguja	Tirang to Boda	Sitapur	RF	2647	263.707	0.5	0.013	
96	47	Batouli	Surguja	Sarmana to Tarani	Sitapur	PF	P2639	229.295	0.5	0.011	
97	48	Batouli	Surguja	Basen to kunkuri	Sitapur	PF	P2636	317.203	0.5	0.016	
98	49	Batouli	Surguja	Batoli to Mangari	Sitapur	PF	P2453	267.836	0.5	0.013	
99	49	Batouli	Surguja	Sarmana to Ghutrapara	Sitapur	RF	2638	352.194	0.5	0.018	
Total								14	4729.608	0.5	0.236



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100	50	Mainpat	Surguja	Mainpat Tehsil to Udumkela	Mainpat	PF	P2350	2249.520	0.5	0.112	
101	50	Mainpat	Surguja	Mainpat Tehsil to Udumkela	Mainpat	PF	P2354	178.435	0.5	0.009	
102	50	Mainpat	Surguja	Mainpat Tehsil to Udumkela	Mainpat	PF	P2352	3605.570	0.5	0.180	
103	50	Mainpat	Surguja	Mainpat Tehsil to Udumkela	Mainpat	PF	P2363	1695.130	0.5	0.085	
104	50	Mainpat	Surguja	Mainpat Tehsil to Udumkela	Mainpat	PF	P2353	2351.043	0.5	0.118	
105	51	Mainpat	Surguja	Mainpat Tehsil to Barima	Mainpat	PF	P2381	1014.505	0.5	0.051	
106	52	Mainpat	Surguja	Ropakhn to kuniya	Mainpat	PF	P2347	1084.459	0.5	0.054	
107	53	Mainpat	Surguja	Paiga to Kamleshwarbpur	Mainpat	PF	P2323	871.565	0.5	0.044	
108	53	Mainpat	Surguja	Paiga to Kamleshwarbpur	Mainpat	PF	P2329	2477.271	0.5	0.124	
109	53	Mainpat	Surguja	Paiga to Kamleshwarbpur	Mainpat	PF	P2342	5335.985	0.5	0.267	
110	53	Mainpat	Surguja	Paiga to Kamleshwarbpur	Mainpat	PF	P2328	681.628	0.5	0.034	
111	54	Mainpat	Surguja	Sarbhanya to paiga	Mainpat	PF	P2333	1146.818	0.5	0.057	
112	54	Mainpat	Surguja	Sarbhanya to paiga	Mainpat	PF	P2340	449.158	0.5	0.022	
113	54	Mainpat	Surguja	Sarbhanya to paiga	Mainpat	PF	P2339	1590.447	0.5	0.080	
114	54	Mainpat	Surguja	Sarbhanya to paiga	Mainpat	PF	P2331	622.489	0.5	0.031	
115	54	Mainpat	Surguja	Sarbhanya to paiga	Mainpat	PF	P2332	4823.946	0.5	0.241	
116	55	Mainpat	Surguja	Pent To Mainpat Tehsil	Mainpat	PF	P2382	3792.976	0.5	0.190	
117	55	Mainpat	Surguja	Pent To Mainpat Tehsil	Mainpat	PF	P2374	5679.984	0.5	0.284	
118	55	Mainpat	Surguja	Pent To Mainpat Tehsil	Mainpat	PF	P2376	570.927	0.5	0.029	
Total-								19	40221.856	0.5	2.012
Grand Total-								118	159334.440	0.5	7.967



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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.)
2	57	Surguja	Batouli	Tarani to sarmana	Saraswatipur	BJJ	307	55.308	0.5	0.003
3	58	Surguja	Batouli	Tarani to sarmana	Saraswatipur	CJJ	566/3	27.248	0.5	0.001
Total-							3	206.929	0.5	0.010
4	59	Surguja	Lakhanpur	Karai to argoti	Tirkela	BJJ	221/1	1241.389	0.5	0.062
5	60	Surguja	Lakhanpur	Turma to amdala	Amdala	CJJ	474/1	1199.112	0.5	0.061
6	61	Surguja	Lakhanpur	Turma to amdala	Amdala	CJJ	494	707.472	0.5	0.036
7	62	Surguja	Lakhanpur	Belkharikha to turma	Kusu	BJJ	1401/1	121.508	0.5	0.006
8	63	Surguja	Lakhanpur	Belkharikha to turma	Kusu	BJJ	1/1	253.877	0.5	0.013
9	64	Surguja	Lakhanpur	Belkharikha to turma	Kusu	BJJ	3/1	203.967	0.5	0.010
10	65	Surguja	Lakhanpur	Belkharikha to turma	Goreyapipar	BJJ	214/8	303.519	0.5	0.015
11	66	Surguja	Lakhanpur	Amdala to lakhampur	Amdala	CJJ	54/5	367.068	0.5	0.018
12	67	Surguja	Lakhanpur	Amdala to lakhampur	Amdala	CJJ	86/1	581.771	0.5	0.029
13	68	Surguja	Lakhanpur	Pondi to lipingi	Kunni	BJJ	306/1	1434.370	0.5	0.072
14	69	Surguja	Lakhanpur	Kunni to sakria	Kunni	CJJ	344/1	1071.941	0.5	0.054
15	70	Surguja	Lakhanpur	Jarkalo to manja	Manja	CJJ	303/1	407.353	0.5	0.020
16	71	Surguja	Lakhanpur	Jarkalo to manja	Manja	CJJ	278/9	313.599	0.5	0.016
17	72	Surguja	Lakhanpur	Jarkalo to manja	Katinda	CJJ	133/1	364.026	0.5	0.018
18	73	Surguja	Lakhanpur	Jarkalo to manja	Katinda	CJJ	135/1	1367.894	0.5	0.068
19	74	Surguja	Lakhanpur	Tirkela to kunni	Tirkela	CJJ	3/3	536.732	0.5	0.027
20	75	Surguja	Lakhanpur	Tirkela to kunni	Tirkela	CJJ	184/1	328.627	0.5	0.016



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21	76	Surguja	Lakhanpur	Lakhanpur to amagasi	Junadh	CJJ	38/2	772.143	0.5	0.039
22	77	Surguja	Lakhanpur	Karai to tirkela	Tirkela	CJJ	197/32	438.707	0.5	0.022
23	78	Surguja	Lakhanpur	Karai to tirkela	Karai	CJJ	123/10	299.876	0.5	0.015
24	79	Surguja	Lakhanpur	Tirkela to kuni	Kuni	CJJ	1125/1	476.947	0.5	0.024
25	80	Surguja	Lakhanpur	Tirkela to kuni	Kuni	CJJ	1046/18	199.566	0.5	0.010
26	81	Surguja	Lakhanpur	Karai to argoti	Karai	CJJ	15/1	179.389	0.5	0.009
27	82	Surguja	Lakhanpur	Karai to argoti	Karai	CJJ	149/5	47.312	0.5	0.002
28	83	Surguja	Lakhanpur	Katinda to bandha	Bandha	CJJ	23/1	102.379	0.5	0.005
29	84	Surguja	Lakhanpur	Katinda to bandha	Bandha	CJJ	148	57.900	0.5	0.003
30	85	Surguja	Lakhanpur	Katinda to bandha	Katinda	CJJ	657/1	11.357	0.5	0.001
31	86	Surguja	Lakhanpur	Katinda to bandha	Katinda	CJJ	26/14	190.859	0.5	0.010
32	87	Surguja	Lakhanpur	Katinda to bandha	Katinda	CJJ	136/8	270.509	0.5	0.014
33	88	Surguja	Lakhanpur	Katinda to bandha	Katinda	CJJ	183/1	726.957	0.5	0.036
34	89	Surguja	Lakhanpur	tuma to amdala	Amdala	CJJ	790/1	567.929	0.5	0.028
35	90	Surguja	Lakhanpur	Gaugarakala to parsondikala	Gumgara Kalan	CJJ	392/1	618.890	0.5	0.031
36	91	Surguja	Lakhanpur	Binkara to gaungarakala	Gumgara Kalan	CJJ	843/3	318.681	0.5	0.016
Total-								16083.626	0.5	0.806
37	92	Surguja	Lundra	Lamgaon to purkela	Sayarrai	BJJ	422/1	83.522	0.5	0.004
38	93	Surguja	Lundra	Purkela to raghunathpur	Purkela	CJJ	214/1	153.445	0.5	0.008
39	94	Surguja	Lundra	Sumerpur to lalmati	Lalmati	BJJ	351/77	623.308	0.5	0.031
40	95	Surguja	Lundra	Sumerpur to lalmati	Lalmati	BJJ	321/2	157.419	0.5	0.008
41	96	Surguja	Lundra	Sumerpur to lalmati	Lalmati	BJJ	289/1	447.829	0.5	0.022
42	97	Surguja	Lundra	Chherumunda to kakani	Deori	BJJ	507/1	47.637	0.5	0.002
43	98	Surguja	Lundra	Udari to bankakala	Udari	CJJ	642/1	193.674	0.5	0.010
Total-								1706.834	0.5	0.085
44	99	Surguja	Mainpat	Lurena to sarbhanya	Sarbhanya	BJJ	1242	43.149	0.5	0.002



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45	100	Surguja	Mainpat	Lurena to sarbhanja	Sarbhanja	BJJ	1245	28.045	0.5	0.001
46	101	Surguja	Mainpat	Lurena to sarbhanja	Sarbhanja	BJJ	1306	184.000	0.5	0.009
47	102	Surguja	Mainpat	Lurena to sarbhanja	Sarbhanja	BJJ	1090	40.759	0.5	0.002
48	103	Surguja	Mainpat	Udumkela to kot	Udumkela	CJJ	408/1	365.421	0.5	0.018
49	104	Surguja	Mainpat	Parpatiya to paiga	Asgawan	CJJ	8/1	61.826	0.5	0.003
Total-							6	723.200	0.5	0.035
Total-Grand Total-							49	18720.589	0.5	0.936



RR
D.F.O.
Surguja Division
& Ambikapur

[Signature]
संयुक्त वनमण्डलाधिकारी एवं
(प्र.) उप वनमण्डलाधिकारी
सीतापुर

[Signature]
Joint D.F.O.
Udaipur Sub Division
उप वनमण्डलाधिकारी
अम्बिकापुर उप वनमण्डल

[Signature]
वनपरिक्षेत्राधिकारी
धम्बिकापुर परिक्षेत्र

[Signature]
Range Officer
Mainpat

[Signature]
Range Officer
Sitapur

[Signature]
वन परिक्षेत्राधिकारी
लखनपुर

Chhattisgarh BharatNet Phase-II Project

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

Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-1	1	21°04'33.23560"	80°36'24.31226"	P-51	3	23°06'41.57173"	82°52'33.73694"
P-2	1	21°04'26.96714"	80°36'25.10387"	P-52	3	23°06'35.27664"	82°52'35.39608"
P-3	1	21°04'20.75609"	80°36'26.79272"	P-53	3	23°06'29.06460"	82°52'33.66853"
P-4	1	21°04'16.39623"	80°36'30.38006"	P-54	3	23°06'22.68614"	82°52'32.68185"
P-5	1	21°04'14.17478"	80°36'36.89441"	P-55	3	23°06'16.77261"	82°52'35.27379"
P-6	1	21°04'11.85848"	80°36'43.37098"	P-56	3	23°06'12.05593"	82°52'31.60536"
P-7	1	21°04'09.52714"	80°36'49.84154"	P-57	3	23°06'08.80384"	82°52'25.53108"
P-8	1	21°04'07.12452"	80°36'56.28203"	P-58	3	23°06'06.09326"	82°52'19.17217"
P-9	1	21°04'04.80699"	80°37'02.66578"	P-59	3	23°06'03.74648"	82°52'12.63418"
P-10	1	21°04'01.27679"	80°37'08.19714"	P-60	3	23°05'56.46010"	82°52'09.52586"
P-11	1	21°03'59.12623"	80°37'14.28419"	P-61	3	23°05'50.03158"	82°52'10.54234"
P-12	1	21°04'39.27623"	80°36'26.60102"	P-62	3	23°05'43.80889"	82°52'11.97155"
P-13	1	21°03'56.97906"	80°37'17.02037"	P-63	3	23°05'37.63921"	82°52'14.18036"
P-14	2	21°05'10.91045"	80°35'36.34912"	P-64	3	23°05'31.59137"	82°52'16.75737"
P-15	2	21°05'09.10565"	80°35'42.99121"	P-65	3	23°05'26.83123"	82°52'21.15076"
P-16	2	21°05'06.95717"	80°35'49.53389"	P-66	3	23°05'23.18375"	82°52'26.77184"
P-17	2	21°05'04.87882"	80°35'56.10224"	P-67	3	23°05'19.77305"	82°52'32.71947"
P-18	2	21°05'02.59412"	80°36'02.59006"	P-68	3	23°05'17.28774"	82°52'39.19999"
P-19	2	21°05'00.40133"	80°36'09.11574"	P-69	3	23°05'15.38639"	82°52'45.91646"
P-20	2	21°04'57.96188"	80°36'15.54017"	P-70	3	23°05'13.57321"	82°52'52.66424"
P-21	2	21°05'11.74050"	80°35'22.63441"	P-71	3	23°05'11.19572"	82°52'59.19327"
P-22	2	21°05'11.28247"	80°35'29.42931"	P-72	3	23°05'07.11358"	82°53'04.49840"
P-23	2	21°05'11.28247"	80°35'29.42931"	P-73	3	23°04'29.76495"	82°53'27.14897"
P-24	2	21°04'57.33717"	80°36'17.00757"	P-74	3	23°04'30.22467"	82°53'20.32135"
P-25	3	23°07'42.82977"	82°54'58.86593"	P-75	3	23°04'36.43580"	82°53'18.27851"
P-26	3	23°07'40.16975"	82°54'52.68731"	P-76	3	23°04'42.64264"	82°53'16.98156"
P-27	3	23°07'35.71601"	82°54'47.56744"	P-77	3	23°04'48.93800"	82°53'15.24534"
P-28	3	23°07'31.90317"	82°54'41.99597"	P-78	3	23°04'55.09091"	82°53'12.98164"
P-29	3	23°07'29.05652"	82°54'35.68911"	P-79	3	23°05'00.64596"	82°53'09.48041"
P-30	3	23°07'25.75926"	82°54'29.64547"	P-80	3	23°03'05.79050"	82°58'33.80012"
P-31	3	23°07'21.99867"	82°54'24.00916"	P-81	3	23°03'06.70576"	82°58'40.38473"
P-32	3	23°07'19.42010"	82°54'17.58603"	P-82	3	23°03'05.92039"	82°58'47.34996"
P-33	3	23°07'15.15699"	82°54'12.40224"	P-83	3	23°02'59.98884"	82°57'35.30213"
P-34	3	23°07'13.76466"	82°54'05.73241"	P-84	3	23°02'57.23540"	82°57'41.64962"
P-35	3	23°07'09.67832"	82°54'00.64768"	P-85	3	23°02'54.78590"	82°57'47.98149"
P-36	3	23°07'05.90836"	82°53'54.95740"	P-86	3	23°02'54.08782"	82°57'54.93995"
P-37	3	23°07'00.84652"	82°53'50.64343"	P-87	3	23°02'53.23213"	82°58'01.75259"
P-38	3	23°06'55.51224"	82°53'46.89612"	P-88	3	23°02'52.01267"	82°58'08.60958"



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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-39	3	23°06'51.39725"	82°53'41.74629"	P-89	3	23°02'50.86517"	82°58'15.50025"
P-40	3	23°06'50.63075"	82°53'34.93095"	P-90	3	23°02'50.33620"	82°58'22.47424"
P-41	3	23°06'51.34839"	82°53'28.04600"	P-91	3	23°02'53.15625"	82°58'27.36750"
P-42	3	23°06'52.60016"	82°53'21.14960"	P-92	3	23°02'58.54022"	82°58'30.85118"
P-43	3	23°06'53.87223"	82°53'14.25727"	P-93	3	23°03'03.48113"	82°57'21.93082"
P-44	3	23°06'55.17969"	82°53'07.37324"	P-94	3	23°03'02.84326"	82°57'14.95896"
P-45	3	23°06'56.35322"	82°53'00.46131"	P-95	3	23°03'01.60868"	82°57'08.67733"
P-46	3	23°06'56.12476"	82°52'53.52451"	P-96	3	23°03'01.34501"	82°57'01.71603"
P-47	3	23°06'55.89645"	82°52'46.50705"	P-97	3	23°03'01.38277"	82°56'54.85195"
P-48	3	23°06'53.25327"	82°52'40.35339"	P-98	3	23°03'02.42926"	82°56'47.91875"
P-49	3	23°06'51.69662"	82°52'33.61694"	P-99	3	23°03'03.56696"	82°56'41.01409"
P-50	3	23°06'47.77379"	82°52'31.63198"	P-100	3	23°03'05.33291"	82°56'34.32162"
P-101	3	23°03'06.46930"	82°56'27.42620"	P-151	3	23°02'04.34845"	82°51'23.00537"
P-102	3	23°03'07.73435"	82°56'20.63086"	P-152	3	23°01'59.13272"	82°51'27.10015"
P-103	3	23°03'10.19068"	82°56'14.12717"	P-153	3	23°01'54.57920"	82°51'31.22934"
P-104	3	23°03'12.93195"	82°56'07.77606"	P-154	3	23°01'49.85920"	82°51'34.74693"
P-105	3	23°03'16.48965"	82°56'01.89698"	P-155	3	23°01'47.77123"	82°51'40.55183"
P-106	3	23°03'19.68814"	82°55'55.85088"	P-156	3	23°01'52.15491"	82°51'45.42614"
P-107	3	23°03'20.66532"	82°55'48.90821"	P-157	3	23°01'55.97788"	82°51'50.59817"
P-108	3	23°04'20.12743"	82°52'19.79301"	P-158	3	23°02'00.50356"	82°51'55.63859"
P-109	3	23°04'22.17593"	82°52'26.37728"	P-159	3	23°02'04.10762"	82°51'59.14157"
P-110	3	23°04'26.49753"	82°52'31.57703"	P-160	3	23°02'08.60005"	82°52'04.21881"
P-111	3	23°04'31.58955"	82°52'35.81628"	P-161	3	23°02'09.73182"	82°52'10.83247"
P-112	3	23°04'34.08520"	82°52'42.19488"	P-162	3	23°02'08.50125"	82°52'17.72776"
P-113	3	23°04'35.03801"	82°52'49.05472"	P-163	3	23°02'07.69106"	82°52'24.68982"
P-114	3	23°04'35.12622"	82°52'56.05894"	P-164	3	23°02'08.21306"	82°52'31.53892"
P-115	3	23°04'35.59899"	82°53'03.00764"	P-165	3	23°02'08.67948"	82°52'37.64607"
P-116	3	23°04'37.16585"	82°53'09.71268"	P-166	3	23°02'07.18266"	82°52'44.21346"
P-117	3	23°04'37.55493"	82°53'16.69913"	P-167	3	23°02'08.39651"	82°52'50.54722"
P-118	3	23°03'07.71550"	82°57'16.68370"	P-168	3	23°02'10.14820"	82°52'56.81566"
P-119	3	23°03'57.35255"	82°54'31.96562"	P-169	3	23°02'10.34946"	82°53'03.81966"
P-120	3	23°03'51.87727"	82°54'35.74174"	P-170	3	23°02'09.02391"	82°53'10.65155"
P-121	3	23°04'10.82197"	82°52'11.46174"	P-171	3	23°02'07.59501"	82°53'17.47404"
P-122	3	23°04'07.33796"	82°52'05.53704"	P-172	3	23°02'08.82476"	82°53'22.61084"
P-123	3	23°04'05.34353"	82°51'59.97942"	P-173	3	23°02'14.24750"	82°53'26.31704"
P-124	3	23°04'03.20460"	82°51'53.46906"	P-174	3	23°02'19.24273"	82°53'30.73954"
P-125	3	23°03'58.42012"	82°51'48.73352"	P-175	3	23°02'25.05607"	82°53'33.29201"
P-126	3	23°03'54.42671"	82°51'43.32837"	P-176	3	23°02'30.91058"	82°53'35.11278"
P-127	3	23°03'50.43598"	82°51'37.82991"	P-177	3	23°02'35.87917"	82°53'39.57857"
P-128	3	23°03'46.28018"	82°51'32.81758"	P-178	3	23°02'41.19390"	82°53'43.43717"
P-129	3	23°03'41.80100"	82°51'28.32685"	P-179	3	23°02'47.46541"	82°53'45.26266"

Chhattisgarh BharatNet Phase-II Project

Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-130	3	23°03'39.13289"	82°51'22.06686"	P-180	3	23°02'53.86173"	82°53'46.45388"
P-131	3	23°03'38.18548"	82°51'15.27812"	P-181	3	23°03'00.33990"	82°53'47.02013"
P-132	3	23°03'36.45492"	82°51'08.70081"	P-182	3	23°03'06.01224"	82°53'44.07241"
P-133	3	23°03'34.99161"	82°51'01.88163"	P-183	3	23°03'10.89266"	82°53'39.45447"
P-134	3	23°03'33.97932"	82°50'55.02202"	P-184	3	23°03'16.59881"	82°53'39.06968"
P-135	3	23°03'31.49084"	82°50'48.54303"	P-185	3	23°03'21.96920"	82°53'42.98993"
P-136	3	23°03'26.27855"	82°50'47.48629"	P-186	3	23°03'27.38770"	82°53'46.83279"
P-137	3	23°03'20.13175"	82°50'49.74499"	P-187	3	23°03'33.04900"	82°53'50.28629"
P-138	3	23°03'14.92979"	82°50'53.59552"	P-188	3	23°03'38.75973"	82°53'53.63907"
P-139	3	23°03'08.54901"	82°50'52.58117"	P-189	3	23°03'40.14172"	82°54'00.25270"
P-140	3	23°03'02.15241"	82°50'52.30977"	P-190	3	23°03'45.49162"	82°54'03.99885"
P-141	3	23°02'56.05857"	82°50'50.83964"	P-191	3	23°03'46.57902"	82°54'10.50856"
P-142	3	23°02'50.06373"	82°50'50.30770"	P-192	3	23°03'46.06969"	82°54'17.44866"
P-143	3	23°02'43.58022"	82°50'50.04179"	P-193	3	23°03'45.65908"	82°54'24.42884"
P-144	3	23°02'37.17118"	82°50'51.10934"	P-194	3	23°03'48.30488"	82°54'28.29453"
P-145	3	23°02'31.89703"	82°50'54.87074"	P-195	3	23°03'54.78777"	82°54'28.79424"
P-146	3	23°02'26.55263"	82°50'58.71927"	P-196	3	23°04'00.99947"	82°54'28.46326"
P-147	3	23°02'23.29193"	82°51'04.42835"	P-197	3	23°04'20.25259"	82°53'56.38300"
P-148	3	23°02'17.98309"	82°51'08.24061"	P-198	3	23°04'23.17297"	82°53'50.10579"
P-149	3	23°02'13.31094"	82°51'13.01788"	P-199	3	23°04'26.06886"	82°53'43.81571"
P-150	3	23°02'08.47169"	82°51'17.59346"	P-200	3	23°04'28.71206"	82°53'37.40232"
P-201	3	23°03'37.54866"	82°55'08.91498"	P-251	4	23°04'05.47836"	82°59'55.93864"
P-202	3	23°03'40.21601"	82°55'02.51864"	P-252	4	23°04'11.54586"	82°59'53.42099"
P-203	3	23°03'43.02369"	82°54'56.18254"	P-253	4	23°04'17.50772"	82°59'50.62044"
P-204	3	23°03'45.80696"	82°54'49.83438"	P-254	4	23°04'23.72700"	82°59'48.67127"
P-205	3	23°03'21.23969"	82°55'47.53914"	P-255	4	23°04'30.06576"	82°59'47.11319"
P-206	3	23°03'23.16574"	82°55'40.93923"	P-256	4	23°04'36.40931"	82°59'45.57982"
P-207	3	23°03'26.87676"	82°55'35.17162"	P-257	4	23°04'42.75761"	82°59'44.07258"
P-208	3	23°03'30.61081"	82°55'29.42118"	P-258	4	23°04'48.64501"	82°59'41.25633"
P-209	3	23°03'33.13726"	82°55'22.97512"	P-259	4	23°04'54.05241"	82°59'37.35648"
P-210	3	23°07'44.15129"	82°55'40.47893"	P-260	4	23°04'59.45979"	82°59'33.45654"
P-211	3	23°06'02.67510"	82°52'10.13842"	P-261	4	23°05'04.86714"	82°59'29.55652"
P-212	3	23°06'02.67510"	82°52'10.13842"	P-262	4	23°05'10.25967"	82°59'25.63281"
P-213	3	23°05'02.46888"	82°53'07.86196"	P-263	4	23°05'15.61452"	82°59'21.64895"
P-214	3	23°04'29.63060"	82°53'33.70662"	P-264	4	23°05'20.96934"	82°59'17.66501"
P-215	3	23°05'02.46888"	82°53'07.86196"	P-265	4	23°05'26.32414"	82°59'13.68098"
P-216	3	23°02'59.70686"	82°58'31.33799"	P-266	4	23°05'31.92969"	82°59'10.24291"
P-217	3	23°03'07.28004"	82°58'51.91725"	P-267	4	23°05'38.20579"	82°59'08.45580"
P-218	3	23°03'02.56222"	82°57'28.86238"	P-268	4	23°05'44.46656"	82°59'06.57025"
P-219	3	23°02'59.70686"	82°58'31.33799"	P-269	4	23°05'50.80765"	82°59'05.02345"
P-220	3	23°03'02.56222"	82°57'28.86238"	P-270	4	23°05'57.05634"	82°59'03.08846"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-221	3	23°03'20.77559"	82°55'48.11226"	P-271	4	23°06'03.29935"	82°59'01.12959"
P-222	3	23°04'15.29108"	82°52'16.20978"	P-272	4	23°06'09.24785"	82°58'58.62896"
P-223	3	23°04'37.71858"	82°53'17.69443"	P-273	4	23°06'12.14880"	82°58'52.34006"
P-224	3	23°03'02.74175"	82°57'14.52381"	P-274	4	23°06'15.02890"	82°58'46.04031"
P-225	3	23°03'02.67578"	82°57'14.21642"	P-275	4	23°06'18.38171"	82°58'40.26103"
P-226	3	23°03'02.73300"	82°57'14.51987"	P-276	4	23°06'24.71121"	82°58'39.26452"
P-227	3	23°03'02.74175"	82°57'14.52381"	P-277	4	23°06'31.21033"	82°58'39.10986"
P-228	3	23°05'45.75180"	82°52'13.80918"	P-278	4	23°06'37.70955"	82°58'39.17278"
P-229	3	23°05'45.92026"	82°52'11.35744"	P-279	4	23°06'44.08162"	82°58'39.85992"
P-230	3	23°05'15.86361"	82°52'44.34999"	P-280	4	23°06'49.82469"	82°58'43.15063"
P-231	3	23°05'17.95176"	82°52'45.06174"	P-281	4	23°06'52.40626"	82°58'38.07517"
P-232	3	23°05'15.80756"	82°52'44.33081"	P-282	4	23°06'53.89027"	82°58'31.43337"
P-233	3	23°05'15.86361"	82°52'44.34999"	P-283	4	23°06'51.87339"	82°58'24.75447"
P-234	3	23°04'02.92555"	82°54'28.34860"	P-284	4	23°06'49.88489"	82°58'18.06421"
P-235	3	23°03'50.52002"	82°54'38.71393"	P-285	4	23°06'48.97342"	82°58'11.12433"
P-236	3	23°04'15.29108"	82°52'16.20978"	P-286	4	23°06'49.44795"	82°58'04.27643"
P-237	3	23°04'01.79690"	82°54'28.83830"	P-287	4	23°06'53.39717"	82°57'58.74816"
P-238	3	23°04'17.35823"	82°54'02.67394"	P-288	4	23°06'58.72497"	82°57'54.79412"
P-239	3	23°04'29.63060"	82°53'33.70662"	P-289	4	23°07'03.18139"	82°57'49.71378"
P-240	3	23°03'36.63132"	82°55'11.94437"	P-290	4	23°03'28.22872"	83°00'32.73273"
P-241	3	23°03'48.23922"	82°54'44.11243"	P-291	4	23°07'03.47544"	82°57'49.31133"
P-242	3	23°03'21.14861"	82°55'48.25970"	P-292	5	23°04'31.24784"	83°01'11.29863"
P-243	3	23°03'34.42310"	82°55'19.08609"	P-293	5	23°04'28.47818"	83°01'05.52804"
P-244	4	23°03'31.25015"	83°00'27.43353"	P-294	5	23°04'22.95974"	83°01'01.82311"
P-245	4	23°03'35.80363"	83°00'22.45281"	P-295	5	23°04'17.01059"	83°00'59.18635"
P-246	4	23°03'40.42134"	83°00'17.50862"	P-296	5	23°04'37.55894"	83°01'12.94456"
P-247	4	23°03'45.05659"	83°00'12.58312"	P-297	5	23°04'15.14269"	83°00'57.47296"
P-248	4	23°03'49.65824"	80°32'51.59017"	P-298	6	23°02'43.74707"	83°00'22.17701"
P-249	4	23°03'54.24209"	80°32'50.33592"	P-299	6	23°02'45.15640"	83°00'15.33321"
P-250	4	23°03'59.45882"	80°32'51.90408"	P-300	6	23°02'42.99731"	83°00'29.14801"
P-301	6	23°02'46.48406"	83°00'11.01343"	P-351	9	22°49'45.98762"	83°04'13.05144"
P-302	7	22°56'03.17817"	83°01'13.74382"	P-352	9	22°49'50.88866"	83°04'09.48621"
P-303	7	22°56'07.19345"	83°01'08.22468"	P-353	9	22°49'54.89269"	83°04'04.36376"
P-304	7	22°56'12.44163"	83°01'04.17157"	P-354	9	22°49'53.26475"	83°03'59.79276"
P-305	7	22°56'16.98033"	83°00'59.34486"	P-355	9	22°49'53.99022"	83°03'52.83389"
P-306	7	22°56'20.95259"	83°00'55.41111"	P-356	9	22°49'56.07845"	83°03'46.94059"
P-307	7	22°56'23.03694"	83°00'51.97985"	P-357	9	22°49'57.02331"	83°04'23.21997"
P-308	7	22°52'47.31124"	83°02'25.11203"	P-358	9	22°49'57.11190"	83°03'47.10187"
P-309	7	22°52'53.79523"	83°02'25.11755"	P-359	10	22°52'15.09385"	83°03'54.61148"
P-310	7	22°53'00.27045"	83°02'25.39941"	P-360	10	22°52'11.86248"	83°03'49.97595"
P-311	7	22°53'06.07537"	83°02'28.04723"	P-361	10	22°52'21.89394"	83°03'57.45459"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-312	7	22°53'12.13897"	83°02'29.81458"	P-362	10	22°52'26.50711"	83°04'02.15524"
P-313	7	22°53'18.04457"	83°02'32.46689"	P-363	10	22°52'25.30409"	83°04'00.05188"
P-314	7	22°53'24.05839"	83°02'35.12031"	P-364	10	22°52'20.03598"	83°03'56.23209"
P-315	7	22°53'29.66325"	83°02'38.30819"	P-365	10	22°52'10.63600"	83°03'49.13766"
P-316	7	22°53'35.15238"	83°02'39.35903"	P-366	10	22°52'10.77936"	83°03'49.24896"
P-317	7	22°53'37.87609"	83°02'45.34295"	P-367	10	22°52'10.77936"	83°03'49.24896"
P-318	7	22°53'42.58902"	83°02'49.77180"	P-368	10	22°52'10.65710"	83°03'49.11902"
P-319	7	22°53'48.60289"	83°02'52.02688"	P-369	10	22°52'10.77936"	83°03'49.24896"
P-320	7	22°53'51.27831"	83°02'57.33302"	P-370	10	22°52'10.96122"	83°03'49.39014"
P-321	7	22°53'54.60749"	83°02'55.16496"	P-371	10	22°52'10.96122"	83°03'49.39014"
P-322	7	22°54'00.43115"	83°02'56.66457"	P-372	10	22°52'10.77936"	83°03'49.24896"
P-323	7	22°54'04.28045"	83°02'51.45685"	P-373	10	22°52'10.96122"	83°03'49.39014"
P-324	7	22°54'06.86729"	83°02'45.05907"	P-374	10	22°52'15.86182"	83°03'55.18359"
P-325	7	22°54'10.37138"	83°02'39.21111"	P-375	10	22°52'15.86182"	83°03'55.18359"
P-326	7	22°54'12.55509"	83°02'32.69081"	P-376	10	22°52'10.96122"	83°03'49.39014"
P-327	7	22°54'16.46387"	83°02'27.44141"	P-377	10	22°52'15.86182"	83°03'55.18359"
P-328	7	22°54'22.56803"	83°02'25.83937"	P-378	10	22°52'15.96976"	83°03'55.22611"
P-329	7	22°54'28.76112"	83°02'24.40800"	P-379	10	22°52'15.96976"	83°03'55.22611"
P-330	7	22°54'32.24218"	83°02'18.52133"	P-380	10	22°52'15.86182"	83°03'55.18359"
P-331	7	22°54'35.30785"	83°02'12.33347"	P-381	10	22°52'15.96976"	83°03'55.22611"
P-332	7	22°54'38.86906"	83°02'06.51647"	P-382	10	22°52'30.12288"	83°04'04.44668"
P-333	7	22°55'58.14150"	83°01'18.07866"	P-383	10	22°52'30.27706"	83°04'04.30596"
P-334	7	22°56'22.88861"	83°00'49.46421"	P-384	10	22°52'15.96976"	83°03'55.22611"
P-335	7	22°52'41.09869"	83°02'23.78518"	P-385	11	22°54'38.41156"	83°03'12.41483"
P-336	7	22°54'42.78809"	83°02'02.09777"	P-386	11	22°54'33.95402"	83°03'17.51974"
P-337	8	22°50'18.02532"	83°03'12.04569"	P-387	11	22°54'30.34291"	83°03'23.35417"
P-338	8	22°50'23.78648"	83°03'14.84347"	P-388	11	22°54'26.39061"	83°03'28.87919"
P-339	8	22°50'29.99319"	83°03'13.37807"	P-389	11	22°54'20.64139"	83°03'31.35061"
P-340	8	22°50'35.33332"	83°03'16.58849"	P-390	11	22°54'15.97971"	83°03'35.66578"
P-341	8	22°50'40.15217"	83°03'21.26974"	P-391	11	22°54'11.11251"	83°03'40.07201"
P-342	8	22°50'46.52074"	83°03'22.52075"	P-392	11	22°54'04.89725"	83°03'42.09567"
P-343	8	22°50'47.76362"	83°03'17.27749"	P-393	11	22°53'58.43855"	83°03'42.58925"
P-344	8	22°51'11.37801"	83°03'57.03952"	P-394	11	22°53'52.31453"	83°03'44.51501"
P-345	8	22°51'07.89203"	83°04'02.59848"	P-395	11	22°53'46.65515"	83°03'47.58901"
P-346	8	22°50'17.96474"	83°03'12.04070"	P-396	11	22°53'41.57610"	83°03'50.88682"
P-347	8	22°50'47.36699"	83°03'12.93516"	P-397	11	22°53'36.12693"	83°03'51.24433"
P-348	9	22°49'51.27619"	83°04'23.30192"	P-398	11	22°53'33.22366"	83°03'46.13487"
P-349	9	22°49'45.58915"	83°04'22.35588"	P-399	11	22°53'11.79466"	83°03'52.22520"
P-350	9	22°49'42.70372"	83°04'18.90777"	P-400	11	22°53'06.83353"	83°03'56.22038"
P-401	11	22°53'01.69318"	83°04'00.13903"	P-451	14	22°58'12.66088"	83°01'44.57805"
P-402	11	22°52'58.15515"	83°04'05.92795"	P-452	14	22°58'13.63563"	83°01'45.59295"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-403	11	22°54'43.94574"	83°03'12.52048"	P-453	14	22°58'11.52491"	83°01'39.82831"
P-404	11	22°53'27.43120"	83°03'48.46111"	P-454	14	22°58'12.66088"	83°01'44.57805"
P-405	11	22°53'16.70088"	83°03'48.43505"	P-455	14	22°58'11.34335"	83°01'38.91938"
P-406	11	22°52'56.73932"	83°04'06.84349"	P-456	14	22°58'11.52491"	83°01'39.82831"
P-407	12	22°57'25.01803"	83°04'07.99959"	P-457	14	22°58'09.92464"	83°01'37.68542"
P-408	12	22°57'20.67573"	83°04'13.17395"	P-458	14	22°58'11.34335"	83°01'38.91938"
P-409	12	22°57'13.48251"	83°04'10.92211"	P-459	14	22°58'02.62578"	83°01'36.03384"
P-410	12	22°57'10.44195"	83°04'15.97850"	P-460	14	22°58'09.92464"	83°01'37.68542"
P-411	12	22°57'06.32567"	83°04'19.52712"	P-461	14	22°58'00.68565"	83°01'34.76938"
P-412	12	22°57'00.60178"	83°04'18.59637"	P-462	14	22°58'02.62578"	83°01'36.03384"
P-413	12	22°56'59.09612"	83°04'12.12215"	P-463	14	22°58'00.61926"	83°01'34.63573"
P-414	12	22°57'01.01685"	83°04'05.44628"	P-464	14	22°58'00.68565"	83°01'34.76938"
P-415	12	22°57'00.75708"	83°04'01.34728"	P-465	14	22°58'00.75023"	83°01'29.64651"
P-416	12	22°56'54.43587"	83°04'02.12303"	P-466	14	22°58'00.74654"	83°01'29.66084"
P-417	12	22°56'48.26594"	83°03'59.92613"	P-467	14	22°58'00.74654"	83°01'29.66084"
P-418	12	22°56'45.09367"	83°03'55.60368"	P-468	14	22°58'00.33867"	83°01'33.03091"
P-419	12	22°56'38.77951"	83°03'55.37993"	P-469	14	22°58'00.45594"	83°01'33.96332"
P-420	12	22°57'27.67245"	83°04'01.59782"	P-470	14	22°58'00.61926"	83°01'34.63573"
P-421	12	22°57'19.29769"	83°04'13.41466"	P-471	14	22°58'00.33867"	83°01'33.03091"
P-422	12	22°57'19.29769"	83°04'13.41466"	P-472	14	22°58'00.45594"	83°01'33.96332"
P-423	12	22°56'35.68118"	83°03'54.08203"	P-473	14	22°58'13.63563"	83°01'45.59295"
P-424	13	22°57'20.86334"	83°02'55.65573"	P-474	14	22°58'13.95885"	83°01'45.81389"
P-425	13	22°57'26.12147"	83°02'58.94464"	P-475	14	22°58'12.66088"	83°01'44.57805"
P-426	13	22°57'29.75676"	83°02'59.60247"	P-476	14	22°58'13.63563"	83°01'45.59295"
P-427	13	22°57'33.23769"	83°03'03.42914"	P-477	14	22°58'11.52491"	83°01'39.82831"
P-428	13	22°57'38.49606"	83°03'02.49535"	P-478	14	22°58'12.66088"	83°01'44.57805"
P-429	13	22°56'48.44569"	83°03'01.80798"	P-479	14	22°58'11.34335"	83°01'38.91938"
P-430	13	22°56'54.56948"	83°03'00.53222"	P-480	14	22°58'11.52491"	83°01'39.82831"
P-431	13	22°57'00.14364"	83°02'58.01469"	P-481	14	22°58'09.92464"	83°01'37.68542"
P-432	13	22°57'05.70777"	83°02'54.72627"	P-482	14	22°58'11.34335"	83°01'38.91938"
P-433	13	22°57'12.01360"	83°02'55.34372"	P-483	14	22°58'02.62578"	83°01'36.03384"
P-434	13	22°57'14.42520"	83°02'54.81178"	P-484	14	22°58'09.92464"	83°01'37.68542"
P-435	13	22°57'41.22964"	83°03'02.89304"	P-485	14	22°58'00.68565"	83°01'34.76938"
P-436	13	22°56'42.15461"	83°03'03.51577"	P-486	14	22°58'02.62578"	83°01'36.03384"
P-437	13	22°57'14.42520"	83°02'54.81178"	P-487	14	22°58'00.61926"	83°01'34.63573"
P-438	14	22°58'11.38510"	83°01'38.99795"	P-488	14	22°58'00.68565"	83°01'34.76938"
P-439	14	22°58'06.46984"	83°01'36.07755"	P-489	14	22°58'00.74839"	83°01'29.65060"
P-440	14	22°58'00.71980"	83°01'29.76467"	P-490	14	22°58'00.74654"	83°01'29.66084"
P-441	14	22°58'11.36728"	83°01'39.03922"	P-491	14	22°58'00.74654"	83°01'29.66084"
P-442	14	22°58'06.43645"	83°01'36.24987"	P-492	14	22°58'00.33867"	83°01'33.03091"
P-443	14	22°58'00.70077"	83°01'29.91344"	P-493	14	22°58'00.45594"	83°01'33.96332"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-444	14	22°58'20.95748"	83°01'39.88652"	P-494	14	22°58'00.61926"	83°01'34.63573"
P-445	14	22°58'19.63553"	83°01'43.48179"	P-495	14	22°58'00.33867"	83°01'33.03091"
P-446	14	22°58'22.74914"	83°01'37.34497"	P-496	14	22°58'00.45594"	83°01'33.96332"
P-447	14	22°58'25.19188"	83°02'05.34144"	P-497	14	22°58'16.98364"	83°01'45.06919"
P-448	14	22°58'25.38668"	83°02'05.26181"	P-498	14	22°58'23.28613"	83°01'36.34162"
P-449	14	22°58'13.63563"	83°01'45.59295"	P-499	14	22°58'17.57412"	83°01'44.89523"
P-450	14	22°58'13.91688"	83°01'45.82408"	P-500	14	22°58'23.43286"	83°01'36.48780"
P-501	14	22°58'21.63830"	83°02'09.64044"	P-551	17	23°01'23.58287"	83°08'35.88447"
P-502	14	22°58'25.41972"	83°02'05.24708"	P-552	17	23°01'32.23174"	83°07'17.72270"
P-503	14	22°58'21.63830"	83°02'09.64044"	P-553	18	23°02'06.46856"	83°22'17.47517"
P-504	14	22°58'25.41972"	83°02'05.24708"	P-554	18	23°02'00.41063"	83°22'14.93231"
P-505	14	22°58'21.63830"	83°02'09.64044"	P-555	18	23°02'12.24318"	83°22'20.53095"
P-506	14	22°58'21.63830"	83°02'09.64044"	P-556	18	23°01'55.64039"	83°22'12.93046"
P-507	14	22°58'25.41972"	83°02'05.24708"	P-557	19	23°03'10.07535"	83°20'02.76480"
P-508	14	22°58'25.44215"	83°02'05.23707"	P-558	19	23°03'09.45856"	83°19'59.51953"
P-509	14	22°58'25.41972"	83°02'05.24708"	P-559	19	23°03'14.22589"	83°19'57.10047"
P-510	14	22°58'25.44234"	83°02'05.23771"	P-560	19	23°03'17.73526"	83°19'51.24135"
P-511	15	22°58'45.48887"	83°05'12.35293"	P-561	19	23°03'11.81047"	83°20'00.53818"
P-512	15	22°58'46.01576"	83°05'05.37663"	P-562	19	23°03'09.06415"	83°20'04.50112"
P-513	15	22°58'46.14150"	83°04'58.55268"	P-563	19	23°03'08.95565"	83°20'04.44615"
P-514	15	22°58'47.69930"	83°04'52.10042"	P-564	19	23°03'11.56774"	83°20'00.46639"
P-515	15	22°58'51.88260"	83°04'49.44271"	P-565	19	23°03'03.18431"	83°19'57.70086"
P-516	15	22°58'53.85860"	83°04'42.81854"	P-566	19	23°03'19.06860"	83°19'47.82225"
P-517	15	22°58'57.45710"	83°04'37.02141"	P-567	20	23°04'31.77329"	83°17'27.48062"
P-518	15	22°58'41.21695"	83°05'13.86467"	P-568	20	23°04'27.43878"	83°17'32.71517"
P-519	15	22°58'58.44611"	83°04'36.14195"	P-569	20	23°05'17.79743"	83°16'22.49647"
P-520	15	22°58'31.80567"	83°06'15.94512"	P-570	20	23°05'15.00839"	83°16'28.84227"
P-521	15	22°58'36.35358"	83°06'12.43267"	P-571	20	23°05'12.30586"	83°16'35.23124"
P-522	16	22°59'12.60471"	83°05'43.60311"	P-572	20	23°05'09.54155"	83°16'41.58821"
P-523	16	22°59'13.22613"	83°05'36.61428"	P-573	20	23°05'05.78400"	83°16'47.25512"
P-524	16	22°59'12.84069"	83°05'29.63003"	P-574	20	23°05'01.39258"	83°16'52.43347"
P-525	16	22°59'12.16470"	83°05'22.64711"	P-575	20	23°04'37.80759"	83°17'34.21454"
P-526	16	22°59'11.86093"	83°05'15.64218"	P-576	20	23°04'39.30913"	83°17'27.57104"
P-527	16	22°59'12.21310"	83°05'08.66002"	P-577	20	23°04'36.10775"	83°17'22.24598"
P-528	16	22°59'15.90037"	83°05'02.92195"	P-578	20	23°04'26.34489"	83°17'34.06807"
P-529	16	22°59'21.26569"	83°04'59.17106"	P-579	20	23°05'19.97525"	83°16'15.88238"
P-530	16	22°59'27.18441"	83°04'56.26792"	P-580	20	23°05'00.44640"	83°16'53.58389"
P-531	16	22°59'33.05822"	83°04'53.26841"	P-581	20	23°04'35.44501"	83°17'40.41150"
P-532	16	22°59'38.74208"	83°04'49.86137"	P-582	20	23°04'39.11427"	83°17'25.49709"
P-533	16	22°59'42.89134"	83°04'44.50205"	P-583	20	23°05'19.97525"	83°16'15.88238"
P-534	16	22°59'43.65285"	83°04'37.82825"	P-584	20	23°05'14.22952"	83°16'12.98336"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-535	16	22°59'43.44976"	83°04'30.81019"	P-585	21	23°04'34.26068"	83°22'52.82344"
P-536	16	22°59'43.24659"	83°04'23.79213"	P-586	21	23°04'39.28839"	83°22'56.38899"
P-537	16	22°59'11.92096"	83°05'50.58497"	P-587	21	23°04'40.36340"	83°23'03.31343"
P-538	16	22°59'43.21421"	83°04'22.67368"	P-588	21	23°04'41.30111"	83°23'09.99898"
P-539	17	23°01'19.84788"	83°08'30.20412"	P-589	21	23°04'40.79168"	83°23'16.28136"
P-540	17	23°01'17.73385"	83°08'24.18704"	P-590	21	23°04'46.76696"	83°23'16.81729"
P-541	17	23°01'17.14972"	83°08'17.20515"	P-591	21	23°04'53.10166"	83°23'18.38777"
P-542	17	23°01'17.09274"	83°08'11.00488"	P-592	21	23°04'59.47298"	83°23'18.68739"
P-543	17	23°01'19.37728"	83°08'04.43050"	P-593	21	23°05'05.93240"	83°23'18.10780"
P-544	17	23°01'20.79053"	83°07'57.62791"	P-594	21	23°04'28.29201"	83°22'50.09433"
P-545	17	23°01'21.27867"	83°07'50.62529"	P-595	21	23°05'08.65825"	83°23'18.59692"
P-546	17	23°01'21.96752"	83°07'43.65598"	P-596	22	23°06'28.83213"	83°23'50.60423"
P-547	17	23°01'24.05465"	83°07'37.00926"	P-597	22	23°06'34.27203"	83°23'54.43647"
P-548	17	23°01'26.31696"	83°07'30.42997"	P-598	22	23°06'23.00334"	83°23'47.50222"
P-549	17	23°01'29.07123"	83°07'24.07082"	P-599	22	23°06'34.85169"	83°23'54.87971"
P-550	17	23°01'32.02504"	83°07'17.83845"	P-600	23	23°07'01.97288"	83°24'05.66729"
P-601	23	23°06'56.13192"	83°24'07.62075"	P-651	28	23°08'56.29064"	83°19'41.57398"
P-602	23	23°07'06.07558"	83°24'04.31949"	P-652	28	23°09'01.31781"	83°19'45.88241"
P-603	24	23°07'17.73850"	83°23'35.37523"	P-653	28	23°09'04.20794"	83°19'52.14438"
P-604	24	23°07'13.70225"	83°23'29.86786"	P-654	28	23°08'51.36489"	83°19'36.99982"
P-605	24	23°07'09.72665"	83°23'24.30918"	P-655	28	23°09'08.42798"	83°19'55.64088"
P-606	24	23°07'05.95929"	83°23'18.58636"	P-656	29	23°10'22.75699"	83°20'08.28325"
P-607	24	23°07'01.37233"	83°23'13.72297"	P-657	29	23°10'16.45592"	83°20'06.58885"
P-608	24	23°06'55.80881"	83°23'10.09620"	P-658	29	23°10'10.57490"	83°20'03.64015"
P-609	24	23°06'50.07891"	83°23'06.81335"	P-659	29	23°10'28.46995"	83°20'11.59272"
P-610	24	23°07'23.10918"	83°23'39.21009"	P-660	29	23°10'09.62037"	83°20'02.99591"
P-611	24	23°06'45.20899"	83°23'04.76651"	P-661	30	23°11'02.49669"	83°20'12.08696"
P-612	25	23°05'35.32493"	83°20'49.15313"	P-662	30	23°11'08.83586"	83°20'13.31966"
P-613	25	23°05'31.92236"	83°20'43.16922"	P-663	30	23°11'14.80064"	83°20'11.88702"
P-614	25	23°05'29.19231"	83°20'37.66960"	P-664	30	23°11'19.31335"	83°20'06.84286"
P-615	25	23°05'33.64982"	83°20'32.56201"	P-665	30	23°10'56.00892"	83°20'12.32959"
P-616	25	23°05'38.33238"	83°20'27.68988"	P-666	30	23°11'20.50205"	83°20'04.28115"
P-617	25	23°05'43.65129"	83°20'24.25501"	P-667	31	23°11'51.61789"	83°22'07.78805"
P-618	25	23°05'50.00290"	83°20'25.66694"	P-668	31	23°11'49.29459"	83°22'01.67194"
P-619	25	23°05'56.25255"	83°20'27.59197"	P-669	31	23°11'51.13164"	83°22'11.24083"
P-620	25	23°06'02.59077"	83°20'29.06673"	P-670	32	23°13'41.82091"	83°23'40.94760"
P-621	25	23°06'09.06947"	83°20'29.62403"	P-671	32	23°13'40.22875"	83°23'34.13799"
P-622	25	23°06'21.31584"	83°20'25.94299"	P-672	32	23°13'41.67920"	83°23'27.42606"
P-623	25	23°06'27.68712"	83°20'24.59465"	P-673	32	23°13'43.60293"	83°23'20.70889"
P-624	25	23°05'39.73113"	83°20'54.20705"	P-674	32	23°13'45.51396"	83°23'13.98738"
P-625	25	23°06'15.24319"	83°20'28.41925"	P-675	32	23°13'40.22223"	83°23'09.91182"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-626	25	23°06'15.24319"	83°20'28.41925"	P-676	32	23°13'35.35879"	83°23'08.78661"
P-627	25	23°06'34.02071"	83°20'24.33792"	P-677	32	23°13'41.59894"	83°23'10.74266"
P-628	26	23°08'06.55303"	83°18'08.14690"	P-678	32	23°13'40.80248"	83°23'47.65952"
P-629	26	23°08'05.04027"	83°18'08.35268"	P-679	32	23°13'46.63780"	83°23'11.47359"
P-630	26	23°07'57.71695"	83°18'28.83633"	P-680	32	23°13'46.41642"	83°23'11.83860"
P-631	26	23°08'00.64072"	83°18'22.57054"	P-681	32	23°13'34.68644"	83°23'08.33946"
P-632	26	23°08'01.51844"	83°18'15.64711"	P-682	32	23°13'34.62778"	83°23'08.72563"
P-633	26	23°08'00.09116"	83°18'08.88580"	P-683	32	23°13'46.23781"	83°23'12.25841"
P-634	26	23°07'57.29119"	83°18'02.54494"	P-684	33	23°12'51.13853"	83°25'03.69586"
P-635	26	23°08'00.07816"	83°18'08.47555"	P-685	33	23°12'53.91902"	83°24'57.35364"
P-636	26	23°08'08.55109"	83°18'09.61913"	P-686	33	23°12'57.73200"	83°24'51.73382"
P-637	26	23°08'08.51624"	83°18'09.73961"	P-687	33	23°13'03.47504"	83°24'48.55065"
P-638	26	23°08'00.02045"	83°18'08.48615"	P-688	33	23°13'09.31341"	83°24'45.46900"
P-639	26	23°07'55.69637"	83°18'35.48125"	P-689	33	23°13'15.60645"	83°24'43.95853"
P-640	26	23°07'56.34818"	83°17'59.24159"	P-690	33	23°12'46.30013"	83°25'08.33805"
P-641	27	23°10'16.95765"	83°17'22.03543"	P-691	33	23°13'21.18753"	83°24'42.70497"
P-642	27	23°10'22.10024"	83°17'18.04092"	P-692	34	23°12'29.86451"	83°26'09.84082"
P-643	27	23°10'27.46017"	83°17'14.34177"	P-693	34	23°12'33.34366"	83°26'04.18759"
P-644	27	23°10'32.97506"	83°17'10.78156"	P-694	34	23°12'36.46525"	83°25'58.50147"
P-645	27	23°09'58.69248"	83°17'38.41523"	P-695	34	23°12'35.70473"	83°25'51.63725"
P-646	27	23°10'04.90143"	83°17'37.15121"	P-696	34	23°12'34.70273"	83°25'40.14710"
P-647	27	23°10'11.86138"	83°17'26.22774"	P-697	34	23°12'35.99196"	83°25'33.34936"
P-648	27	23°10'37.74226"	83°17'08.09823"	P-698	34	23°12'38.69307"	83°25'26.95433"
P-649	27	23°09'58.24654"	83°17'38.58583"	P-699	34	23°12'25.86502"	83°26'14.91795"
P-650	27	23°10'05.89705"	83°17'35.65240"	P-700	34	23°12'34.58456"	83°25'47.17227"
P-701	34	23°12'34.58456"	83°25'47.17227"	P-751	39	23°07'05.16439"	83°24'42.04919"
P-702	34	23°12'40.09149"	83°25'23.48409"	P-752	39	23°07'05.16439"	83°24'42.04919"
P-703	35	23°13'59.45118"	83°26'29.37521"	P-753	39	23°07'04.01706"	83°24'43.06633"
P-704	35	23°13'53.01144"	83°26'28.42864"	P-754	39	23°07'04.01706"	83°24'43.06633"
P-705	35	23°13'46.55751"	83°26'27.68126"	P-755	39	23°07'03.56320"	83°24'43.78638"
P-706	35	23°13'40.06304"	83°26'27.55671"	P-756	39	23°07'03.56320"	83°24'43.78638"
P-707	35	23°13'33.58880"	83°26'27.36130"	P-757	39	23°07'03.18527"	83°24'44.59119"
P-708	35	23°13'27.12541"	83°26'27.92512"	P-758	39	23°07'03.18527"	83°24'44.59119"
P-709	35	23°13'21.48066"	83°26'25.86448"	P-759	39	23°07'02.92333"	83°24'45.32652"
P-710	35	23°13'16.09157"	83°26'27.79893"	P-760	39	23°07'12.07028"	83°24'38.85458"
P-711	35	23°13'34.86751"	83°27'06.26872"	P-761	39	23°07'12.61548"	83°24'38.64592"
P-712	35	23°13'35.79225"	83°27'08.21190"	P-762	39	23°07'11.31555"	83°24'39.30549"
P-713	35	23°14'04.71823"	83°26'25.47335"	P-763	39	23°07'12.07028"	83°24'38.85458"
P-714	35	23°13'15.72849"	83°26'28.42095"	P-764	39	23°07'05.30447"	83°24'41.96460"
P-715	36	23°10'31.74616"	83°28'13.38623"	P-765	39	23°07'11.31555"	83°24'39.30549"
P-716	36	23°13'10.85581"	83°29'07.70118"	P-766	39	23°07'05.16439"	83°24'42.04919"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-717	36	23°13'07.98214"	83°29'09.28840"	P-767	39	23°07'05.30447"	83°24'41.96460"
P-718	36	23°13'01.71975"	83°29'09.46110"	P-768	39	23°07'04.01706"	83°24'43.06633"
P-719	36	23°10'35.75080"	83°28'08.67738"	P-769	39	23°07'05.16439"	83°24'42.04919"
P-720	36	23°10'28.66522"	83°28'17.91129"	P-770	39	23°07'03.56320"	83°24'43.78638"
P-721	36	23°13'15.88180"	83°29'04.44526"	P-771	39	23°07'04.01706"	83°24'43.06633"
P-722	36	23°12'55.40940"	83°29'09.38354"	P-772	39	23°07'03.18527"	83°24'44.59119"
P-723	37	23°06'28.47796"	83°28'46.54546"	P-773	39	23°07'03.56320"	83°24'43.78638"
P-724	37	23°06'26.09130"	83°28'43.02380"	P-774	39	23°07'02.83231"	83°24'45.26733"
P-725	37	23°06'20.11278"	83°28'40.76592"	P-775	39	23°07'03.18527"	83°24'44.59119"
P-726	37	23°06'18.46025"	83°28'34.04913"	P-776	40	23°08'22.81084"	83°24'52.60517"
P-727	37	23°06'19.09062"	83°28'27.42769"	P-777	40	23°08'20.27646"	83°24'59.07528"
P-728	37	23°06'13.81989"	83°28'24.81621"	P-778	40	23°08'17.04442"	83°25'05.17201"
P-729	37	23°06'08.35493"	83°28'26.00949"	P-779	40	23°08'14.91174"	83°25'11.68809"
P-730	37	23°06'02.69868"	83°28'24.05487"	P-780	40	23°08'14.21731"	83°25'18.67466"
P-731	37	23°06'32.81719"	83°28'51.20810"	P-781	40	23°08'13.52526"	83°25'25.66210"
P-732	37	23°05'58.37476"	83°28'21.10026"	P-782	40	23°08'16.15963"	83°25'30.78739"
P-733	38	23°04'58.04273"	83°27'52.86513"	P-783	40	23°08'21.98852"	83°25'31.53196"
P-734	38	23°04'55.45246"	83°27'46.48259"	P-784	40	23°08'27.30042"	83°25'34.82332"
P-735	38	23°04'56.59176"	83°27'41.51477"	P-785	40	23°08'31.58194"	83°25'40.09377"
P-736	38	23°04'59.86210"	83°27'35.52244"	P-786	40	23°08'37.27465"	83°25'42.98479"
P-737	38	23°05'01.53030"	83°27'28.82009"	P-787	40	23°08'04.74677"	83°25'41.88911"
P-738	38	23°05'03.09173"	83°27'22.08396"	P-788	40	23°08'08.34440"	83°25'36.05386"
P-739	38	23°05'03.26365"	83°27'56.72548"	P-789	40	23°08'10.91783"	83°25'29.69677"
P-740	38	23°05'03.15605"	83°27'21.92210"	P-790	40	23°08'14.31253"	83°25'29.69918"
P-741	39	23°07'11.50584"	83°24'39.22161"	P-791	40	23°08'20.11375"	83°25'31.55867"
P-742	39	23°07'05.48610"	83°24'41.87007"	P-792	40	23°08'25.95884"	83°25'32.75461"
P-743	39	23°07'10.05958"	83°24'40.12400"	P-793	40	23°08'30.06500"	83°25'38.17868"
P-744	39	23°07'14.78747"	83°24'33.30235"	P-794	40	23°08'35.10341"	83°25'42.31184"
P-745	39	23°07'12.07028"	83°24'38.85458"	P-795	40	23°08'20.63990"	83°24'46.48154"
P-746	39	23°07'12.07028"	83°24'38.85458"	P-796	40	23°08'38.38182"	83°25'43.21964"
P-747	39	23°07'11.31555"	83°24'39.30549"	P-797	40	23°08'03.69350"	83°25'48.73139"
P-748	39	23°07'11.31555"	83°24'39.30549"	P-798	40	23°08'38.41072"	83°25'43.11522"
P-749	39	23°07'05.30447"	83°24'41.96460"	P-799	41	23°00'37.48002"	83°23'16.21473"
P-750	39	23°07'05.30447"	83°24'41.96460"	P-800	41	23°00'31.82545"	83°23'19.05198"
P-801	41	23°00'25.66399"	83°23'21.27457"	P-851	50	22°49'33.63952"	83°20'59.19657"
P-802	41	23°00'42.78580"	83°23'12.19087"	P-852	50	22°49'27.66368"	83°20'56.45437"
P-803	41	23°00'20.54807"	83°23'23.62339"	P-853	50	22°49'22.33427"	83°20'52.49038"
P-804	41	23°00'32.76862"	83°23'18.89382"	P-854	50	22°49'16.48032"	83°20'49.44389"
P-805	41	23°00'33.74169"	83°23'19.76909"	P-855	50	22°49'10.63333"	83°20'46.38185"
P-806	41	23°00'33.10877"	83°23'18.73408"	P-856	50	22°50'02.04573"	83°22'27.80948"
P-807	41	23°00'34.02361"	83°23'19.71434"	P-857	50	22°50'03.08970"	83°22'32.46556"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-808	42	22°59'59.66371"	83°22'14.77486"	P-858	50	22°50'08.97442"	83°22'34.81258"
P-809	42	22°59'55.35539"	83°22'16.32670"	P-859	50	22°50'08.67825"	83°22'41.68830"
P-810	43	22°58'36.56506"	83°22'00.60066"	P-860	50	22°50'06.89344"	83°22'48.36222"
P-811	43	22°58'36.56506"	83°22'00.60066"	P-861	50	22°50'02.03350"	83°22'50.31180"
P-812	43	22°58'40.40297"	83°22'04.62012"	P-862	50	22°50'07.54977"	83°22'52.09935"
P-813	43	22°58'33.99465"	83°22'00.45382"	P-863	50	22°50'11.95518"	83°22'47.39071"
P-814	43	22°58'40.40297"	83°22'04.62012"	P-864	50	22°50'12.15649"	83°22'48.31167"
P-815	43	22°58'33.99465"	83°22'00.45382"	P-865	50	22°50'10.40114"	83°22'54.89274"
P-816	44	22°59'08.11995"	83°26'32.07452"	P-866	50	22°50'06.62028"	83°22'59.93454"
P-817	44	22°59'14.36395"	83°26'33.87615"	P-867	50	22°50'08.21231"	83°23'06.49935"
P-818	44	22°59'20.62727"	83°26'35.73672"	P-868	50	22°50'09.49122"	83°23'12.83286"
P-819	44	22°59'08.76606"	83°26'32.40266"	P-869	50	22°50'11.45618"	83°23'14.42488"
P-820	44	22°59'14.88236"	83°26'34.00656"	P-870	50	22°50'11.87087"	83°23'09.46197"
P-821	44	22°59'21.12983"	83°26'35.92542"	P-871	50	22°49'43.05475"	83°22'17.25825"
P-822	44	22°59'01.96128"	83°26'30.27589"	P-872	50	22°49'45.99921"	83°22'23.32193"
P-823	44	22°59'25.90862"	83°26'36.99718"	P-873	50	22°49'51.72764"	83°22'22.36710"
P-824	44	22°59'02.61129"	83°26'30.39576"	P-874	50	22°50'15.91848"	83°23'16.78509"
P-825	44	22°59'26.26266"	83°26'36.97072"	P-875	50	22°50'15.48707"	83°23'22.56489"
P-826	45	23°01'30.01135"	83°31'18.10836"	P-876	50	22°50'15.52353"	83°23'27.74596"
P-827	45	23°01'25.04352"	83°31'21.27821"	P-877	50	22°50'17.23343"	83°23'32.80927"
P-828	45	23°01'29.91684"	83°31'17.45835"	P-878	50	22°50'19.76001"	83°23'37.16356"
P-829	46	23°00'22.65520"	83°30'57.33606"	P-879	50	22°50'17.74528"	83°23'41.86766"
P-830	46	23°00'16.49299"	83°30'56.02678"	P-880	50	22°50'16.85427"	83°23'48.67238"
P-831	46	23°00'24.65797"	83°30'57.57822"	P-881	50	22°50'11.59298"	83°23'18.05531"
P-832	47	22°57'12.18498"	83°28'27.20288"	P-882	50	22°49'57.17301"	83°22'21.59299"
P-833	47	22°57'09.49047"	83°28'24.75216"	P-883	50	22°50'02.44539"	83°22'18.06470"
P-834	47	22°57'12.18498"	83°28'27.20288"	P-884	50	22°50'05.60384"	83°22'13.29900"
P-835	47	22°57'09.49047"	83°28'24.75216"	P-885	50	22°50'07.40007"	83°22'18.79886"
P-836	48	22°56'45.73086"	83°26'07.35856"	P-886	50	22°50'05.92822"	83°22'24.58737"
P-837	48	22°56'51.15525"	83°26'03.51260"	P-887	50	22°49'27.11128"	83°21'46.50784"
P-838	48	22°56'42.14134"	83°26'08.71021"	P-888	50	22°49'31.15026"	83°21'49.54896"
P-839	49	22°51'59.71022"	83°27'51.91409"	P-889	50	22°49'36.51419"	83°21'52.92801"
P-840	49	22°56'13.22092"	83°28'47.23076"	P-890	50	22°49'42.33529"	83°21'55.91145"
P-841	49	22°52'06.02820"	83°27'50.28942"	P-891	50	22°49'42.03402"	83°22'02.57481"
P-842	49	22°51'57.69880"	83°27'52.87412"	P-892	50	22°49'40.40316"	83°22'09.34030"
P-843	49	22°56'07.56976"	83°28'50.46837"	P-893	50	22°49'33.17265"	83°21'45.11277"
P-844	49	22°56'17.97011"	83°28'45.77076"	P-894	50	22°49'33.21692"	83°21'45.08714"
P-845	50	22°49'37.97397"	83°21'34.21710"	P-895	50	22°49'36.71132"	83°21'40.98860"
P-846	50	22°49'35.96699"	83°21'27.85478"	P-896	50	22°49'09.18563"	83°20'45.62371"
P-847	50	22°49'34.46586"	83°21'22.05830"	P-897	50	22°49'36.71132"	83°21'40.98860"
P-848	50	22°49'38.09791"	83°21'18.56357"	P-898	50	22°49'33.21692"	83°21'45.08714"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-849	50	22°49'36.15339"	83°21'11.87327"	P-899	50	22°50'05.82338"	83°22'24.65823"
P-850	50	22°49'34.19901"	83°21'05.18973"	P-900	50	22°50'10.61611"	83°23'17.11919"
P-901	50	22°50'10.98133"	83°23'16.40053"	P-951	53	22°49'05.68517"	83°16'30.55394"
P-902	50	22°50'12.32352"	83°23'12.73383"	P-952	53	22°49'06.96312"	83°16'37.39758"
P-903	50	22°49'41.50639"	83°22'14.21576"	P-953	53	22°49'08.54257"	83°16'44.19012"
P-904	50	22°49'51.90713"	83°22'22.34196"	P-954	53	22°49'09.83139"	83°16'51.05049"
P-905	50	22°50'12.32352"	83°23'12.73383"	P-955	53	22°49'10.95836"	83°16'57.83457"
P-906	50	22°50'12.82752"	83°23'46.84231"	P-956	53	22°49'05.87025"	83°17'01.89668"
P-907	50	22°50'10.61611"	83°23'17.11919"	P-957	53	22°49'00.21203"	83°17'04.39637"
P-908	50	22°50'10.98133"	83°23'16.40053"	P-958	53	22°48'57.45758"	83°17'10.73494"
P-909	50	22°49'51.90713"	83°22'22.34196"	P-959	53	22°48'59.73038"	83°17'15.27581"
P-910	50	22°50'05.82338"	83°22'24.65823"	P-960	53	22°49'05.25095"	83°17'17.21624"
P-911	50	22°49'33.17265"	83°21'45.11277"	P-961	53	22°49'10.73723"	83°17'18.27124"
P-912	50	22°49'41.50639"	83°22'14.21576"	P-962	53	22°49'11.44741"	83°17'24.91680"
P-913	51	22°46'55.72490"	83°19'48.09556"	P-963	53	22°49'11.22002"	83°17'29.02628"
P-914	51	22°46'56.46322"	83°19'54.93255"	P-964	53	22°49'11.96929"	83°17'28.18591"
P-915	51	22°47'00.48100"	83°20'00.12028"	P-965	53	22°49'15.68486"	83°17'23.50945"
P-916	51	22°47'05.57906"	83°20'04.46693"	P-966	53	22°49'21.06427"	83°17'22.35213"
P-917	51	22°47'09.30155"	83°20'09.79401"	P-967	53	22°49'18.55121"	83°17'22.23604"
P-918	51	22°46'57.34490"	83°19'41.31480"	P-968	53	22°49'18.95430"	83°17'22.24657"
P-919	51	22°47'09.32203"	83°20'10.30188"	P-969	53	22°49'13.44286"	83°15'14.86936"
P-920	52	22°49'40.83925"	83°19'04.82414"	P-970	53	22°49'11.13125"	83°15'21.25473"
P-921	52	22°49'42.51883"	83°19'11.59789"	P-971	53	22°49'08.32736"	83°15'27.56563"
P-922	52	22°49'45.22736"	83°19'17.97125"	P-972	53	22°50'40.90055"	83°14'25.61836"
P-923	52	22°49'47.72101"	83°19'24.44661"	P-973	53	22°50'18.85179"	83°14'27.58070"
P-924	52	22°49'50.69121"	83°19'30.66888"	P-974	53	22°50'18.85179"	83°14'27.58070"
P-925	52	22°49'39.31284"	83°18'58.01005"	P-975	53	22°49'19.09050"	83°15'13.32001"
P-926	52	22°49'52.08362"	83°19'33.22069"	P-976	53	22°49'07.73662"	83°15'30.35487"
P-927	53	22°50'35.94571"	83°14'29.55403"	P-977	53	22°49'14.82998"	83°17'24.62944"
P-928	53	22°50'30.41816"	83°14'27.75509"	P-978	53	22°49'09.52605"	83°17'31.11496"
P-929	53	22°50'25.82965"	83°14'23.69362"	P-979	53	22°49'13.73427"	83°17'25.96769"
P-930	53	22°50'20.62255"	83°14'25.96951"	P-980	53	22°49'13.73427"	83°17'25.96769"
P-931	53	22°50'13.72392"	83°14'30.92817"	P-981	53	22°49'09.58166"	83°17'31.18665"
P-932	53	22°50'07.80986"	83°14'32.88646"	P-982	53	22°49'13.73427"	83°17'25.96769"
P-933	53	22°50'02.30926"	83°14'36.48104"	P-983	53	22°49'14.82998"	83°17'24.62944"
P-934	53	22°49'56.12026"	83°14'37.81765"	P-984	53	22°49'14.79817"	83°17'24.31805"
P-935	53	22°49'50.49658"	83°14'40.97698"	P-985	53	22°49'21.42199"	83°17'22.54620"
P-936	53	22°49'46.71526"	83°14'45.60459"	P-986	53	22°49'14.82998"	83°17'24.62944"
P-937	53	22°49'41.31641"	83°14'49.12121"	P-987	53	22°49'13.73427"	83°17'25.96769"
P-938	53	22°49'36.39612"	83°14'53.66529"	P-988	53	22°49'14.82998"	83°17'24.62944"
P-939	53	22°49'31.31621"	83°14'57.88092"	P-989	53	22°49'21.42199"	83°17'22.54620"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-940	53	22°49'27.45531"	83°15'03.30302"	P-990	53	22°49'21.42199"	83°17'22.54620"
P-941	53	22°49'26.66819"	83°15'08.89686"	P-991	53	22°49'15.03536"	83°17'24.40306"
P-942	53	22°49'21.48842"	83°15'12.51975"	P-992	53	22°49'21.42199"	83°17'22.54620"
P-943	53	22°49'07.17242"	83°15'37.31325"	P-993	53	22°49'21.43251"	83°17'22.55117"
P-944	53	22°49'05.27352"	83°15'43.97445"	P-994	53	22°49'19.09050"	83°15'13.32001"
P-945	53	22°49'01.92954"	83°15'49.68316"	P-995	53	22°49'07.73662"	83°15'30.35487"
P-946	53	22°49'01.66473"	83°15'56.65992"	P-996	54	22°48'22.21317"	83°11'50.70873"
P-947	53	22°49'01.35958"	83°16'03.49713"	P-997	54	22°48'27.82370"	83°11'53.76904"
P-948	53	22°49'01.42203"	83°16'10.12414"	P-998	54	22°48'34.12759"	83°11'54.68620"
P-949	53	22°49'03.54447"	83°16'16.74818"	P-999	54	22°48'40.30044"	83°11'56.85855"
P-950	53	22°49'04.91104"	83°16'23.59804"	P-1000	54	22°48'46.20750"	83°11'59.22312"
P-1001	54	22°48'11.06775"	83°12'11.22004"	P-1051	55	22°44'45.85727"	83°21'12.35238"
P-1002	54	22°48'12.63796"	83°12'04.50257"	P-1052	55	22°44'43.88731"	83°21'18.99490"
P-1003	54	22°48'00.74688"	83°12'45.65656"	P-1053	55	22°44'37.89125"	83°21'21.23070"
P-1004	54	22°47'56.57174"	83°12'50.82297"	P-1054	55	22°44'34.27059"	83°21'26.52779"
P-1005	54	22°47'54.47319"	83°12'57.07353"	P-1055	55	22°45'32.56369"	83°20'43.65890"
P-1006	54	22°47'50.87338"	83°13'02.91101"	P-1056	55	22°45'26.54168"	83°20'41.13225"
P-1007	54	22°47'46.46307"	83°13'08.01705"	P-1057	55	22°45'22.30696"	83°20'35.82275"
P-1008	54	22°48'12.82733"	83°12'02.65279"	P-1058	55	22°45'17.30167"	83°20'31.38172"
P-1009	54	22°48'12.19688"	83°11'55.90158"	P-1059	55	22°45'11.68913"	83°20'27.85765"
P-1010	54	22°50'03.72283"	83°13'18.21945"	P-1060	55	22°45'06.29354"	83°20'23.98714"
P-1011	54	22°50'06.28400"	83°13'22.76371"	P-1061	55	22°45'00.12102"	83°20'24.69346"
P-1012	54	22°50'11.57254"	83°13'25.32660"	P-1062	55	22°44'54.33095"	83°20'27.84544"
P-1013	54	22°48'51.24903"	83°12'10.09690"	P-1063	55	22°44'50.84488"	83°20'33.46445"
P-1014	54	22°48'56.67799"	83°12'13.51888"	P-1064	55	22°44'48.82356"	83°20'40.12162"
P-1015	54	22°49'02.11343"	83°12'17.28158"	P-1065	55	22°44'47.12347"	83°20'46.88379"
P-1016	54	22°49'08.28548"	83°12'18.72567"	P-1066	55	22°44'48.05811"	83°20'53.77682"
P-1017	54	22°49'14.04316"	83°12'21.42777"	P-1067	55	22°44'26.90063"	83°22'05.94143"
P-1018	54	22°49'18.92856"	83°12'18.31224"	P-1068	55	22°44'27.95111"	83°22'12.78413"
P-1019	54	22°49'17.28189"	83°12'13.78386"	P-1069	55	22°44'30.02796"	83°22'19.28360"
P-1020	54	22°49'15.69200"	83°12'07.37776"	P-1070	55	22°44'30.23341"	83°22'26.28398"
P-1021	54	22°49'20.31022"	83°12'06.48968"	P-1071	55	22°44'30.89106"	83°22'33.25205"
P-1022	54	22°49'23.66747"	83°12'12.34995"	P-1072	55	22°44'31.67409"	83°22'40.20825"
P-1023	54	22°49'26.81811"	83°12'18.25931"	P-1073	55	22°44'31.78679"	83°22'47.18708"
P-1024	54	22°49'30.22129"	83°12'23.94207"	P-1074	55	22°44'31.39844"	83°22'54.18179"
P-1025	54	22°49'31.21341"	83°12'29.54249"	P-1075	55	22°44'31.65645"	83°23'01.11148"
P-1026	54	22°49'36.35452"	83°12'32.85425"	P-1076	55	22°44'32.59363"	83°23'04.34248"
P-1027	54	22°49'40.67296"	83°12'34.54031"	P-1077	55	22°44'39.03261"	83°23'03.61880"
P-1028	54	22°49'41.00621"	83°12'31.95194"	P-1078	55	22°44'43.87532"	83°23'04.55821"
P-1029	54	22°49'45.76571"	83°12'30.66968"	P-1079	55	22°44'42.05482"	83°23'08.72041"
P-1030	54	22°49'51.08984"	83°12'33.35637"	P-1080	55	22°44'37.54735"	83°23'11.38606"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-1031	54	22°49'52.98271"	83°12'39.75313"	P-1081	55	22°44'40.25528"	83°23'11.34622"
P-1032	54	22°49'55.69840"	83°12'45.49557"	P-1082	55	22°44'38.15149"	83°23'17.06550"
P-1033	54	22°49'56.58973"	83°12'52.15486"	P-1083	55	22°44'39.45538"	83°23'23.55388"
P-1034	54	22°49'58.59393"	83°12'58.15162"	P-1084	55	22°44'39.75042"	83°23'27.75939"
P-1035	54	22°50'00.92607"	83°13'04.31377"	P-1085	55	22°44'37.67518"	83°23'34.29593"
P-1036	54	22°50'02.86100"	83°13'10.69838"	P-1086	55	22°44'40.44874"	83°23'37.30157"
P-1037	54	22°48'15.93541"	83°11'50.62424"	P-1087	55	22°44'40.11902"	83°23'43.76933"
P-1038	54	22°48'48.37307"	83°12'03.80966"	P-1088	55	22°44'42.40059"	83°23'49.12802"
P-1039	54	22°48'10.05954"	83°12'17.90540"	P-1089	55	22°44'43.60901"	83°23'55.81939"
P-1040	54	22°48'12.81331"	83°12'02.78972"	P-1090	55	22°44'43.29549"	83°24'01.10800"
P-1041	54	22°48'05.64491"	83°12'41.63172"	P-1091	55	22°44'41.15676"	83°24'05.50074"
P-1042	54	22°47'42.02270"	83°13'12.82980"	P-1092	55	22°44'41.93867"	83°24'11.94240"
P-1043	54	22°48'12.81331"	83°12'02.78972"	P-1093	55	22°44'40.95109"	83°24'18.30821"
P-1044	54	22°48'15.93541"	83°11'50.62424"	P-1094	55	22°44'37.93294"	83°24'23.06006"
P-1045	54	22°50'02.88974"	83°13'11.53740"	P-1095	55	22°44'47.12294"	83°24'30.63471"
P-1046	54	22°50'12.29843"	83°13'25.38779"	P-1096	55	22°44'42.78287"	83°24'27.26809"
P-1047	54	22°48'48.37307"	83°12'03.80966"	P-1097	55	22°44'26.81552"	83°21'58.93481"
P-1048	54	22°50'02.88974"	83°13'11.53740"	P-1098	55	22°44'29.92401"	83°21'44.73282"
P-1049	55	22°44'28.15190"	83°21'52.82152"	P-1099	55	22°44'46.07756"	83°21'09.95776"
P-1050	55	22°44'31.05779"	83°21'49.02209"	P-1100	55	22°44'34.41780"	83°21'28.91859"
P-1101	55	22°45'36.40593"	83°20'45.65771"	P-1151	63	22°57'14.88473"	83°08'02.27474"
P-1102	55	22°44'47.34268"	83°21'00.44879"	P-1152	64	22°57'13.13558"	83°08'02.20523"
P-1103	55	22°44'26.81552"	83°21'58.93481"	P-1153	64	22°57'08.85352"	83°08'07.36892"
P-1104	55	22°44'38.08704"	83°24'24.15101"	P-1154	64	22°57'08.94318"	83°08'07.26888"
P-1105	55	22°44'47.86564"	83°24'37.51797"	P-1155	65	22°56'26.81503"	83°09'19.33733"
P-1106	55	22°44'38.08704"	83°24'24.15101"	P-1156	65	22°56'19.41031"	83°09'25.46480"
P-1107	56	22°59'53.43756"	83°30'40.56887"	P-1157	65	22°56'22.54643"	83°09'24.47272"
P-1108	56	22°59'53.70445"	83°30'43.67108"	P-1158	66	22°59'11.92096"	83°05'50.58497"
P-1109	57	22°56'47.63110"	83°28'43.14594"	P-1159	66	22°59'11.00565"	83°06'00.59999"
P-1110	57	22°56'45.83559"	83°28'43.22131"	P-1160	66	22°59'12.86423"	83°05'40.68454"
P-1111	58	22°56'06.97007"	83°28'51.17144"	P-1161	66	22°59'13.11355"	83°05'37.88046"
P-1112	58	22°56'07.56976"	83°28'50.46837"	P-1162	66	22°59'11.32172"	83°05'57.57452"
P-1113	59	22°49'40.59948"	83°04'20.80894"	P-1163	67	22°59'09.92048"	83°06'06.67574"
P-1114	59	22°49'44.26400"	83°04'16.54949"	P-1164	67	22°59'10.78223"	83°06'26.72116"
P-1115	59	22°49'16.38357"	83°04'07.63172"	P-1165	67	22°59'09.30448"	83°06'13.53760"
P-1116	59	22°49'37.34180"	83°04'18.11551"	P-1166	67	22°59'10.73862"	83°06'20.38132"
P-1117	59	22°49'11.17587"	83°04'08.01157"	P-1167	68	22°52'18.29317"	83°03'40.71885"
P-1118	59	22°49'12.78265"	83°04'06.59719"	P-1168	68	22°52'18.40900"	83°03'55.33556"
P-1119	59	22°49'49.46357"	83°04'11.18688"	P-1169	68	22°52'30.12288"	83°04'04.44668"
P-1120	59	22°49'51.58432"	83°04'08.14314"	P-1170	68	22°52'31.32328"	83°04'05.18252"
P-1121	59	22°49'46.06478"	83°04'13.05200"	P-1171	68	22°52'30.27706"	83°04'04.30596"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-1122	59	22°49'49.39678"	83°04'11.24183"	P-1172	68	22°52'31.32295"	83°04'04.90457"
P-1123	59	22°49'16.51957"	83°04'07.84420"	P-1173	68	22°52'13.35496"	83°03'51.84731"
P-1124	59	22°49'21.16011"	83°04'12.48007"	P-1174	68	22°52'14.07231"	83°03'53.24212"
P-1125	59	22°49'27.51016"	83°04'13.37269"	P-1175	68	22°52'12.38865"	83°03'50.49835"
P-1126	59	22°49'33.26758"	83°04'16.42002"	P-1176	68	22°52'13.10174"	83°03'51.38134"
P-1127	59	22°49'12.71998"	83°04'06.60112"	P-1177	68	22°52'14.85733"	83°03'54.03760"
P-1128	59	22°49'48.30697"	83°04'12.07627"	P-1178	68	22°52'13.80640"	83°03'51.98447"
P-1129	60	22°59'07.52625"	83°07'09.48281"	P-1179	68	22°52'13.21644"	83°03'50.70348"
P-1130	60	22°59'04.85933"	83°07'07.57443"	P-1180	68	22°52'12.80349"	83°03'50.48159"
P-1131	60	22°59'12.03016"	83°06'30.86873"	P-1181	68	22°52'16.19314"	83°03'55.31408"
P-1132	60	22°59'04.70289"	83°07'07.29209"	P-1182	68	22°52'26.22945"	83°04'01.82067"
P-1133	60	22°59'12.81931"	83°06'34.24591"	P-1183	68	22°52'26.43060"	83°04'01.87341"
P-1134	60	22°59'12.26171"	83°06'41.23742"	P-1184	68	22°52'18.40900"	83°03'55.33556"
P-1135	60	22°59'11.58590"	83°06'48.21447"	P-1185	68	22°52'18.40900"	83°03'55.33556"
P-1136	60	22°59'09.50499"	83°06'54.84643"	P-1186	68	22°52'16.10089"	83°03'55.22742"
P-1137	60	22°59'07.03875"	83°07'01.34010"	P-1187	68	22°52'18.34572"	83°03'47.67301"
P-1138	61	22°59'08.47118"	83°07'12.04129"	P-1188	68	22°52'18.63539"	83°03'54.54706"
P-1139	61	22°59'07.52625"	83°07'09.48281"	P-1189	68	22°52'14.56684"	83°03'53.49183"
P-1140	61	22°59'02.90822"	83°07'06.03416"	P-1190	68	22°52'20.21840"	83°03'56.71723"
P-1141	61	22°58'54.85108"	83°06'59.49203"	P-1191	68	22°52'25.34121"	83°04'00.65566"
P-1142	61	22°59'03.01628"	83°07'05.78020"	P-1192	68	22°52'23.12210"	83°03'57.77085"
P-1143	61	22°58'54.85810"	83°06'59.10543"	P-1193	68	22°52'17.21796"	83°03'55.23859"
P-1144	61	22°58'59.65568"	83°07'03.75189"	P-1194	69	22°52'31.32328"	83°04'05.18252"
P-1145	61	22°59'02.79595"	83°07'05.60287"	P-1195	69	22°52'40.74101"	83°04'17.92253"
P-1146	61	22°58'57.48845"	83°07'01.58255"	P-1196	69	22°52'46.31188"	83°04'13.08795"
P-1147	62	22°56'28.60687"	83°09'15.53999"	P-1197	69	22°52'31.32295"	83°04'04.90457"
P-1148	62	22°56'26.81503"	83°09'19.33733"	P-1198	69	22°52'36.54326"	83°04'09.29189"
P-1149	63	22°57'20.72262"	83°08'03.33913"	P-1199	69	22°52'40.17737"	83°04'14.98488"
P-1150	63	22°57'13.13558"	83°08'02.20523"	P-1200	69	22°52'42.79726"	83°04'14.33398"
P-1201	69	22°52'37.91048"	83°04'11.06671"	P-1251	79	22°51'36.54214"	83°03'44.74823"
P-1202	69	22°52'33.31324"	83°04'06.21649"	P-1252	79	22°51'29.09235"	83°03'47.27154"
P-1203	70	22°55'07.04958"	83°01'53.29472"	P-1253	79	22°51'34.14073"	83°03'44.20590"
P-1204	70	22°54'56.39028"	83°01'45.39296"	P-1254	80	22°51'17.45951"	83°03'52.53508"
P-1205	70	22°55'01.21879"	83°01'50.23341"	P-1255	80	22°51'23.24519"	83°03'50.07613"
P-1206	70	22°54'56.53020"	83°01'45.60197"	P-1256	81	22°50'13.11394"	83°03'23.02572"
P-1207	71	22°54'45.11147"	83°01'45.32123"	P-1257	81	22°50'15.17429"	83°03'17.49216"
P-1208	71	22°54'45.20963"	83°01'56.20744"	P-1258	82	22°50'15.17429"	83°03'17.49216"
P-1209	71	22°54'45.33317"	83°01'52.26100"	P-1259	82	22°50'15.53754"	83°03'15.88046"
P-1210	72	22°55'44.14817"	83°01'47.12872"	P-1260	83	22°58'25.40806"	83°02'47.11253"
P-1211	72	22°55'37.09879"	83°01'57.37866"	P-1261	83	22°58'28.37839"	83°02'45.52216"
P-1212	72	22°55'40.38650"	83°01'52.85067"	P-1262	84	22°57'58.26849"	83°02'54.75152"

Chhattisgarh BharatNet Phase-II Project

Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-1213	73	22°55'37.09879"	83°01'57.37866"	P-1263	84	22°57'59.77607"	83°02'54.45413"
P-1214	73	22°55'26.42092"	83°02'11.81293"	P-1264	85	22°56'36.67376"	83°03'06.56054"
P-1215	73	22°55'26.42092"	83°02'11.81293"	P-1265	85	22°56'36.34780"	83°03'06.74758"
P-1216	73	22°55'25.55824"	83°02'11.45262"	P-1266	86	22°56'42.15461"	83°03'03.51577"
P-1217	73	22°55'36.34857"	83°02'43.59120"	P-1267	86	22°56'36.67376"	83°03'06.56054"
P-1218	73	22°55'18.16212"	83°02'35.10603"	P-1268	87	22°55'45.02723"	83°02'44.61920"
P-1219	73	22°55'23.67744"	83°02'17.74164"	P-1269	87	22°55'36.34857"	83°02'43.59120"
P-1220	73	22°55'26.42092"	83°02'11.81293"	P-1270	87	22°55'38.58143"	83°02'44.14854"
P-1221	73	22°55'32.83399"	83°02'02.67465"	P-1271	88	22°56'10.30996"	83°02'48.43941"
P-1222	73	22°55'28.60537"	83°02'08.00477"	P-1272	88	22°56'08.98599"	83°02'47.63524"
P-1223	73	22°55'34.97474"	83°02'43.24829"	P-1273	88	22°56'08.98599"	83°02'47.63524"
P-1224	73	22°55'28.64734"	83°02'41.64168"	P-1274	88	22°56'08.96923"	83°02'47.62304"
P-1225	73	22°55'22.96283"	83°02'38.50559"	P-1275	88	22°56'08.96923"	83°02'47.62304"
P-1226	73	22°55'23.99539"	83°02'17.08373"	P-1276	88	22°56'03.10630"	83°02'42.54072"
P-1227	74	22°50'59.03184"	83°04'18.67173"	P-1277	88	22°56'03.10630"	83°02'42.54072"
P-1228	74	22°51'07.89203"	83°04'02.59848"	P-1278	88	22°56'03.08668"	83°02'42.52658"
P-1229	74	22°51'02.32012"	83°04'12.63229"	P-1279	88	22°56'03.08668"	83°02'42.52658"
P-1230	74	22°51'05.31219"	83°04'06.40666"	P-1280	88	22°55'51.75202"	83°02'38.15726"
P-1231	75	22°50'33.95388"	83°04'35.95840"	P-1281	88	22°55'51.75202"	83°02'38.15726"
P-1232	75	22°50'35.90071"	83°04'35.74954"	P-1282	88	22°55'51.70172"	83°02'38.15689"
P-1233	75	22°50'28.02424"	83°04'35.77883"	P-1283	88	22°55'51.70172"	83°02'38.15689"
P-1234	75	22°50'19.48801"	83°04'34.21939"	P-1284	88	22°55'49.49253"	83°02'38.64151"
P-1235	75	22°50'23.57390"	83°04'35.01053"	P-1285	88	22°56'05.14485"	83°02'44.22675"
P-1236	76	22°58'26.73269"	83°02'04.63286"	P-1286	88	22°55'59.60553"	83°02'40.66684"
P-1237	76	22°58'27.51910"	83°01'54.51310"	P-1287	88	22°55'53.50194"	83°02'38.26321"
P-1238	76	22°58'26.73304"	83°02'04.63387"	P-1288	89	22°58'31.80567"	83°06'15.94512"
P-1239	76	22°58'27.52078"	83°01'54.50947"	P-1289	89	22°58'22.09572"	83°06'31.64398"
P-1240	76	22°58'30.54856"	83°02'00.15692"	P-1290	89	22°58'27.65467"	83°06'21.33053"
P-1241	76	22°58'27.14558"	83°02'04.42366"	P-1291	89	22°58'25.96549"	83°06'28.10415"
P-1242	76	22°58'30.35009"	83°01'59.71927"	P-1292	90	23°03'49.52210"	83°00'38.48135"
P-1243	77	22°50'17.51260"	83°04'34.20623"	P-1293	90	23°04'05.29159"	83°00'47.96249"
P-1244	77	22°50'06.91084"	83°04'26.63987"	P-1294	90	23°03'55.29258"	83°00'41.65624"
P-1245	77	22°50'11.32157"	83°04'33.11559"	P-1295	90	23°03'59.31278"	83°00'43.90957"
P-1246	77	22°50'07.88787"	83°04'27.48717"	P-1296	90	23°04'04.83335"	83°00'47.52082"
P-1247	78	22°49'57.10986"	83°03'47.12984"	P-1297	91	23°03'39.12583"	83°00'35.66322"
P-1248	78	22°50'01.56322"	83°03'40.22597"	P-1298	91	23°03'49.15248"	83°00'38.27666"
P-1249	78	22°50'00.76731"	83°03'43.50694"	P-1299	91	23°03'45.50479"	83°00'37.01475"
P-1250	79	22°51'23.24519"	83°03'50.07613"	P-1300	92	23°03'19.06860"	83°19'47.82225"
P-1301	92	23°03'21.29065"	83°19'46.21059"	P-1320	96	23°05'09.02092"	83°16'12.55784"
P-1302	92	23°03'19.06860"	83°19'47.82225"	P-1321	97	23°10'28.66522"	83°28'17.91129"
P-1303	92	23°03'19.06860"	83°19'47.82225"	P-1322	97	23°10'27.62574"	83°28'19.15188"

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Point	Patch	Longitude in D:M:S	Latitude in D:M:S	Point	Patch	Longitude in D:M:S	Latitude in D:M:S
P-1304	93	23°03'17.29470"	83°18'13.56287"	P-1323	98	23°07'26.03432"	83°20'04.89756"
P-1305	93	23°03'19.75231"	83°18'09.05622"	P-1324	98	23°07'25.76975"	83°20'11.66979"
P-1306	94	23°04'39.45632"	83°16'26.51397"	P-1325	99	22°47'45.65975"	83°14'08.01183"
P-1307	94	23°04'48.94022"	83°16'15.25430"	P-1326	99	22°47'44.81994"	83°14'06.80285"
P-1308	94	23°04'45.17310"	83°16'27.44031"	P-1327	100	22°47'46.96480"	83°14'09.91720"
P-1309	94	23°04'48.22350"	83°16'22.85877"	P-1328	100	22°47'46.47559"	83°14'09.08867"
P-1310	94	23°04'48.67268"	83°16'15.86872"	P-1329	101	22°47'39.56664"	83°13'58.18253"
P-1311	95	23°04'49.16853"	83°16'15.43438"	P-1330	101	22°47'38.76019"	83°13'51.82974"
P-1312	95	23°04'54.22148"	83°16'16.24001"	P-1331	102	22°47'40.04839"	83°13'28.09709"
P-1313	96	23°05'03.52799"	83°16'17.09140"	P-1332	102	22°47'39.05582"	83°13'27.15094"
P-1314	96	23°05'07.55757"	83°16'12.89492"	P-1333	103	22°49'51.36786"	83°24'27.79507"
P-1315	96	23°05'07.55757"	83°16'12.89492"	P-1334	103	22°49'58.99829"	83°24'37.45809"
P-1316	96	23°05'07.55757"	83°16'12.89492"	P-1335	103	22°49'55.91297"	83°24'32.76516"
P-1317	96	23°05'14.22952"	83°16'12.98336"	P-1336	104	22°50'49.70277"	83°13'41.27786"
P-1318	96	23°05'07.55757"	83°16'12.89492"	P-1337	104	22°50'50.61788"	83°13'43.20388"
P-1319	96	23°05'07.53892"	83°16'12.87128"				

RS
D.F.O.
Surguja Division
Ambikapur

Shubh
Joint D.F.O.
Udaipur Sub Division



RS
संयुक्त वनमंडलाधिकारी एवं
(प्र.) उप वनमंडलाधिकारी
सी.ए.ए.

RS
उप वनमंडलाधिकारी
अम्बिकापुर उप वनमंडल

RS
वनपरिक्षेत्राधिकारी
अम्बिकापुर परिक्षेत्र

RS
(MC) Range Officer
Mainpat

RS
Range Officer
Sitapur

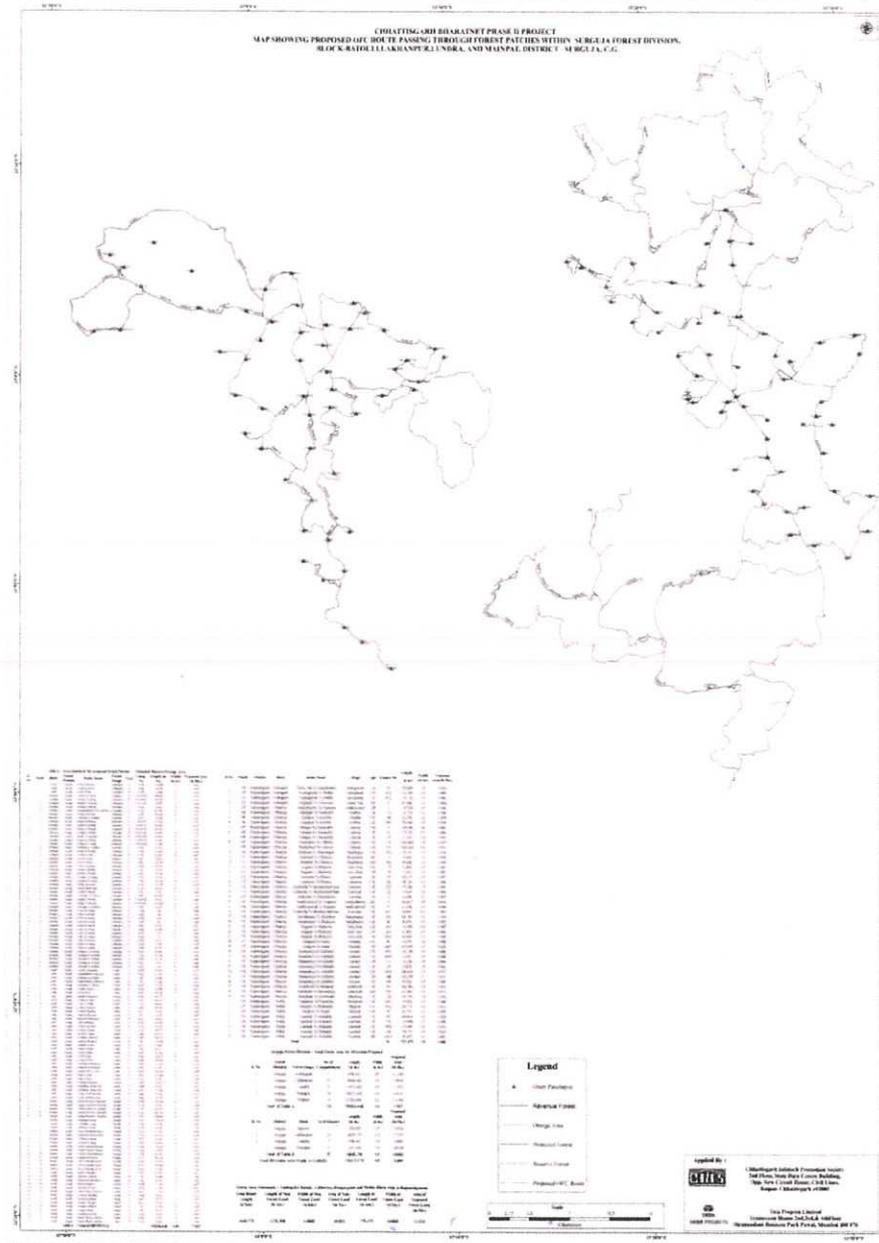
RS
वन परिक्षेत्राधिकारी
लखनपुर

RS
वन परिक्षेत्राधिकारी
लुण्डा

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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 Surguja Forest Division


Joint D.F.O.
Udaipur Sub Division


उप वनमण्डलाधिकारी
अम्बिकापुर उप वनमण्डल


वन परिक्षेत्राधिकारी
लुण्डा


वन परिक्षेत्राधिकारी
लखनपुर

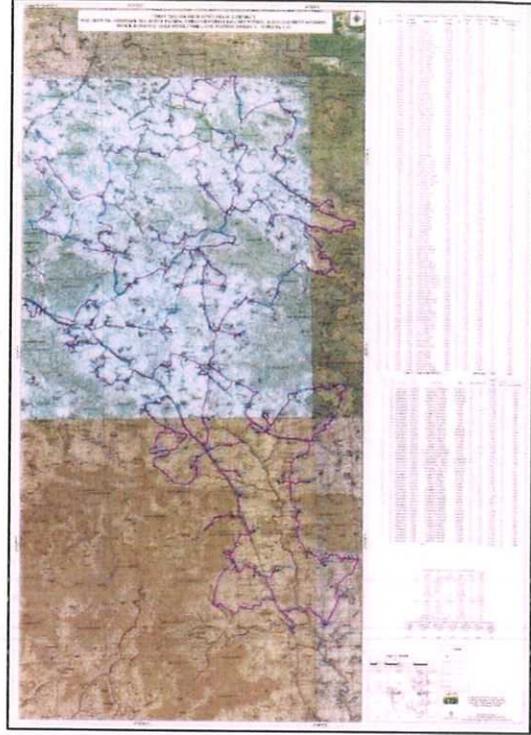
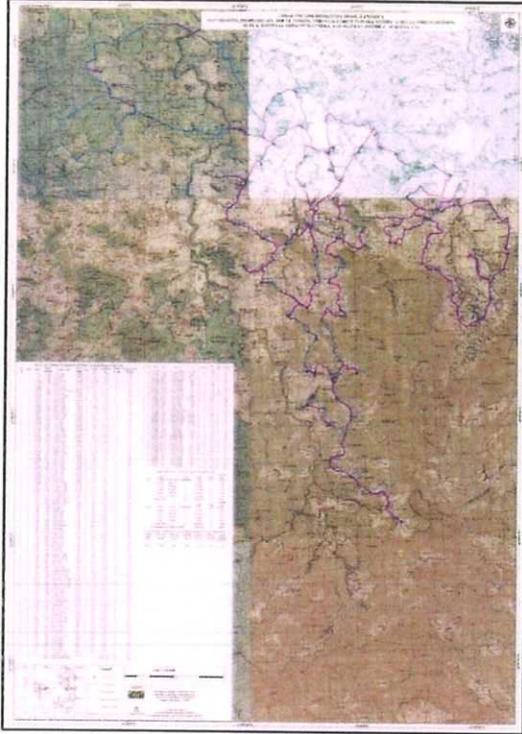

Range Officer
Sitapur


(I/C) Range Officer
Mainpat

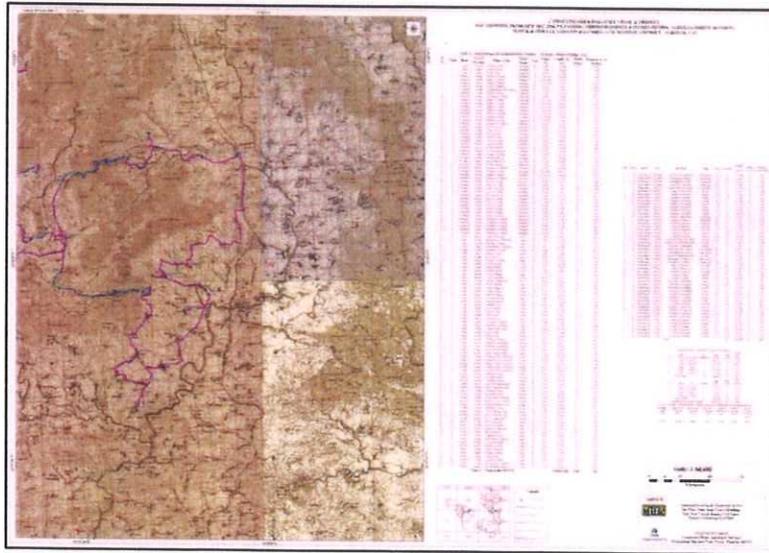

संयुक्त परिक्षेत्राधिकारी
अम्बिकापुर परिक्षेत्र


संयुक्त वनमण्डलाधिकारी एवं
(प्र.) उप वनमण्डलाधिकारी
सीतापुर

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



Geo-Referenced Toposheet Map of Forest Patched of Lakhanpur block (Part – 1), Batouli and Lundra (Part - 2) within in Forest Patched of Surguja Forest Division.



[Signature]
 Joint D.F.O.
 Udaipur Sub Division

Geo-Referenced Toposheet Map of Forest Patched of Mainpat block (Part-3) within in Forest Patched of Surguja Forest Division.

[Signature]
 वन परिक्षेत्राधिकारी
 लुण्डा

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 संयुक्त वनमण्डलाधिकारी एवं उप वनमण्डलाधिकारी
 (प्र.) उप वनमण्डलाधिकारी अम्बिकापुर उप वनमण्डल
 सीतापुर
 वन परिक्षेत्राधिकारी
 सीतापुर
 Range Officer
 Sitapur

[Signature]
 (IC) Range Officer
 Mainpat

[Signature]
 वनपरिक्षेत्राधिकारी
 अम्बिकापुर पारक्षेत्र