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क्रमांक/मा.चि./ ५४३१

सूरजपुर, दिनांक/ ०३ / ११ / २०१९

प्रति,

प्राधिकृत अधिकारी,
टाटा प्रोजेक्ट्स लिमिटेड,
रायपुर (छ.ग.)।

विषय:-

भारत सरकार की महत्वपूर्ण योजना " भारतनेट प्रोजेक्ट" के सफल क्रियान्वयन हेतु सूरजपुर जिला के सूरजपुर वनमण्डल अंतर्गत विकासखण्ड भैयाथान, ओडगी एवं प्रेमनगर के अंतर्गत सामिल ग्राम पंचायत के सामानान्तर ८.७१२ हे. वनभूमि एवं ०.४२६ हे. राजस्व वनभूमि सकल वनभूमि ९.१३८ हे. पर आष्टिकल फायबर केबल बिछाने विषयक वनभूमि के गैर वानिकी प्रयोजन हेतु व्यपवर्तन प्रस्ताव के लिए डी.जी.पी.एस. /लीडार सर्वे रिपोर्ट सत्यापन विषयक।

संदर्भ:-

आपका पत्र क्रमांक/भानेप्रो/ओएफसी/वनभूमि/प्रस्ताव/२०१९-२०/२२ दिनांक १४.११.२०१९

—००—

विषयान्तर्गत संदर्भित पत्र के परिपेक्ष्य में वनमण्डल अंतर्गत विकासखण्ड भैयाथान, ओडगी एवं प्रेमनगर के अंतर्गत सामिल ग्राम पंचायत के सामानान्तर ८.७१२ हे. वनभूमि एवं ०.४२६ हे. राजस्व वनभूमि सकल वनभूमि ९.१३८ हे. पर आष्टिकल फायबर केबल बिछाने विषयक वनभूमि के गैर वानिकी प्रयोजन हेतु व्यपवर्तन प्रस्ताव के लिए डी.जी.पी.एस. /लीडार सर्वे रिपोर्ट का सत्यापन कर ऑनलाईन पंजीयन किये जाने हेतु मूलतः ०१ प्रतियों में संलग्न प्रस्तुत है।
संलग्न :- उपरोक्तानुसार।


वनमण्डलाधिकारी
सूरजपुर वनमण्डल, सूरजपुर

CHHATTISGARH BHARATNET PHASE-II PROJECT

LIDAR/DGPS SURVEY REPORT FOR SURAJPUR FOREST DIVISION FOR DIVERSION OF PROPOSED OFC ROUTES

Forest Division : SURAJPUR
Forest Land (RF/PF/OA) : 8.712 Ha.
Rev. Forest Land : 0.426 Ha.
Total Proposed Diversion Area : 9.138 Ha.
Block : BHAIYATHAN , ODGI AND
PREMNAGAR
District : SURAJPUR (C.G.)

Applicant -



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

Submitted By -



TATA PROJECTS

Tata Projects Limited, Raipur (Chhattisgarh)



1.3. Location

The proposed OFC Cable route in Surajpur Forest Division (The OFC route Bhaiyathan, Odgi and Premnagar Block; District: Surajpur). The Proposed OFC route length is approx. 256.768 Km in Bhaiyathan, Odgi 337.897 km (out of this 302.914 km covered Surajpur Forest Division (General) and 34.983 km covered Tamor Pingla Sanctuary area), and Premnagar 167.427 km Block hence Total route lengths is 727.109 km. The survey site passes through forest ranges Bhiharpur, Khond, Kudargarh, Ramanuj nagar and Surajpur of Surajpur Forest Division. The OFC Cable route is covered under Survey of India Toposheets 64 I09, 64 I10, 64 I11, 64 I12, 64 I13, 64 I14, 64 I15, 64 I16 and 64 J09, 64 J13, 64 J16 and 64 M03 on RF 1:50000.

1.4. Objectives

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

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

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1. Introduction and Background

1.1. Background

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

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

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

1.2. Proposed Routes

The proposed routes in Bhaiyathan, Odgi and Premnagar block with in Surajpur Forest Division.



OFC Cable Proposed Routes in Bhaiyathan Block in Surajpur Forest Division.

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बिहारपुर

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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.



Chhattisgarh BharatNet Phase-II Project

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- when it has to be right



GNSS Processing Report - Summary

Report created: 07/31/2019 18:47:39

Project Details

General		Customer Details		Master Coordinate System	
Project Name:	CHIPS	Customer Name:	-	Coordinate System Name:	UTM48N
Owner:	GRNADIS INTERNATIONAL CORPORATION LIMITED	Contact Person:	-	Transformation Type:	Classic R2
Lead Surveyor:	-	Number:	-	Residual Distribution:	None
Date Created:	07/11/2019 14:23:08	Email:	-	Wgs84:	WGS 1984
Last Account:	07/11/2019 14:23:08	Skype:	-	Projection Type:	UTM
Application Software:	Infinity 3.1	Website:	-	Satellite Model:	HGM_2008
				CS/CS Model:	-
Path:	D:\INFINITY PROJECTS\CHIPS\CHIPS.gpx				
Size:	5,086.3 MB				
Comments:	-				

SPP Point: 9453Base_1

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

Date	Selected	Used	Comments
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Sampling Rate:	Use A3	1 sec	
Latitude System:	GPS/IGLOONASS/Baidu	GPS/IGLOONASS/Baidu	
Ephemeris Type:	Broadcast	Broadcast	
Antenna Calibration Set:	Leica Relative	Leica Relative	
Processing Strategy			
Solution Type:	Phase Fixed	Fixed	
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 P3:	Automatic	No	
General Settings			
Min. Distance for Ionosphere Model:	15 km		
Postfix Ambiguities Fix up to:	300 km		
Min. Duration for Float Solution (11813):	00:00:00		

Results SPP Point: 9453Base_1

Acquisition

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Duration: 08:09:46

Antenna

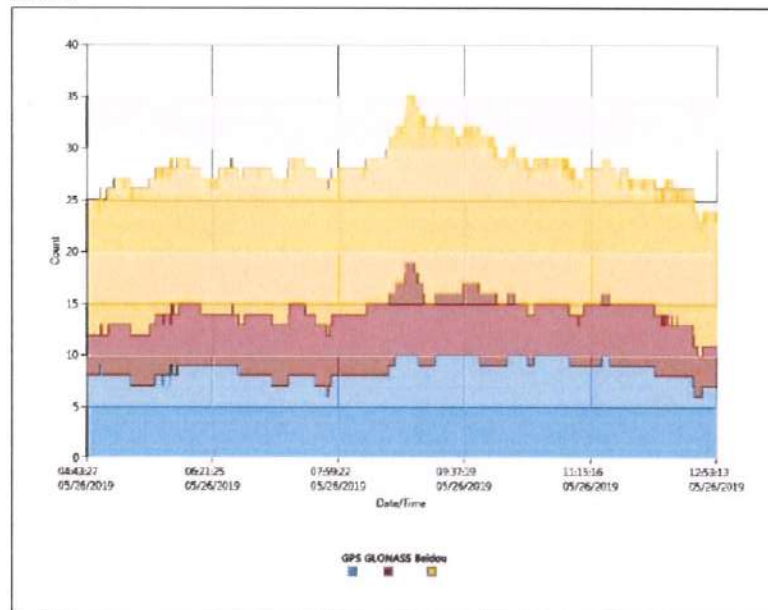
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Antenna Height: 1.1100 m

Chhattisgarh BharatNet Phase-II Project

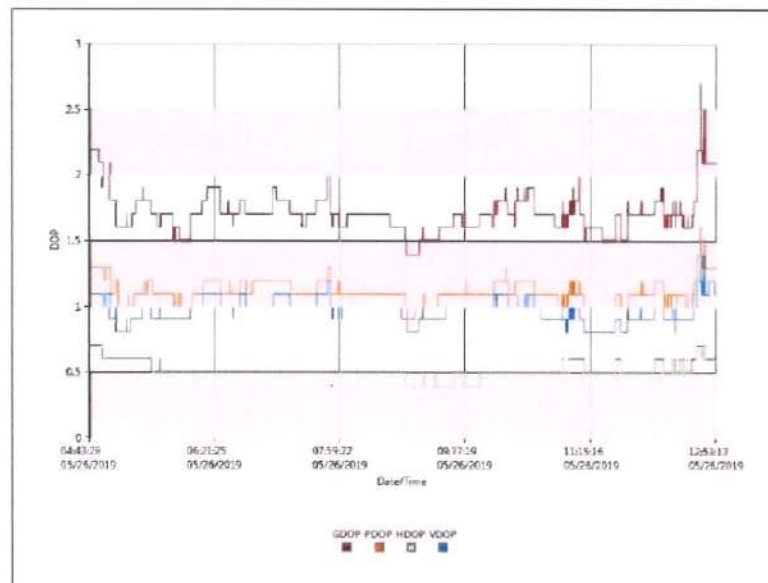
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Processed Date/Time: 07/31/2019 19:36:29

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	Surajpur	GCP-20	N22°56'30.19571"	E82°43'07.11262"	676223.143	2538098.757
2	Surajpur	GCP-20A	N23°00'27.11586"	E82°47'28.86224"	683591.075	2545475.563
3	Surajpur	GCP-20B	N23°01'37.04284"	E82°40'01.30871"	670822.699	2547476.081
4	Surajpur	GCP-20C	N22°50'04.83047"	E82°44'14.73792"	678289.523	2526267.802
5	Surajpur	GCP-20D	N22°56'57.82060"	E82°36'09.70232"	664322.820	2538814.066
6	Surajpur	GCP-21	N23°03'05.64536"	E82°31'54.20361"	656926.692	2550049.834
7	Surajpur	GCP-21A	N23°05'06.15259"	E82°22'54.60995"	641533.371	2553603.271
8	Surajpur	GCP-22	N23°09'44.87695"	E82°21'49.23993"	639593.130	2562158.369
9	Surajpur	GCP-23	N23°01'05.03631"	E82°17'05.12773"	631654.115	2546096.863
10	Surajpur	GCP-23A	N23°03'19.04158"	E82°13'51.93641"	626119.667	2550170.975
11	Surajpur	GCP-24	N23°01'38.50733"	E82°07'06.47473"	614603.991	2546986.457
12	Surajpur	GCP-24A	N22°59'47.95217"	E81°59'21.38101"	601388.180	2543491.272
13	Surajpur	GCP-25	N22°54'03.72923"	E82°00'17.64261"	603062.393	2532916.263
14	Surajpur	GCP-25A	N22°55'54.49708"	E82°06'29.64808"	613635.617	2536398.843
15	Surajpur	GCP-26	N23°15'23.71625"	E82°59'18.37262"	703419.135	2573318.549
16	Surajpur	GCP-26A	N23°20'16.67320"	E82°58'47.11465"	702407.421	2582318.860
17	Surajpur	GCP-27	N23°19'50.90254"	E82°51'46.41248"	690466.848	2581367.271
18	Surajpur	GCP-28	N23°24'42.69423"	E82°57'08.37013"	699491.678	2590464.506
19	Surajpur	GCP-29A	N23°29'49.19227"	E82°48'09.90350"	684086.227	2599693.930
20	Surajpur	GCP-30	N23°37'32.09800"	E82°50'04.62390"	687158.700	2613975.468
21	Surajpur	GCP-30A	N23°38'14.80156"	E82°42'58.53156"	675065.965	2615139.083
22	Surajpur	GCP-30B	N23°44'18.66670"	E82°41'04.13589"	671691.724	2626293.600
23	Surajpur	GCP-30D	N23°46'01.64823"	E82°36'08.09053"	663272.681	2629364.596
24	Surajpur	GCP-31	N23°47'28.47827"	E82°42'35.06337"	674196.401	2632163.340

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4.2. Mobile LiDAR (DGPS) data collection:

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



Mobile LiDAR Van

4.3. DRS / GIS Map Creation Using LiDAR data:

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



Feature Extraction on LiDAR



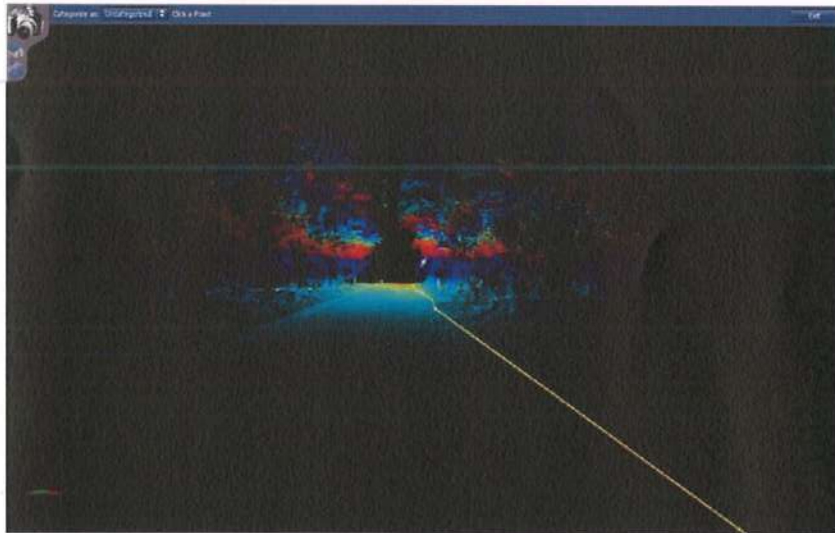
Final DRS / GIS Map

4.4. Demarcation of Proposed OFC on LiDAR data:

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



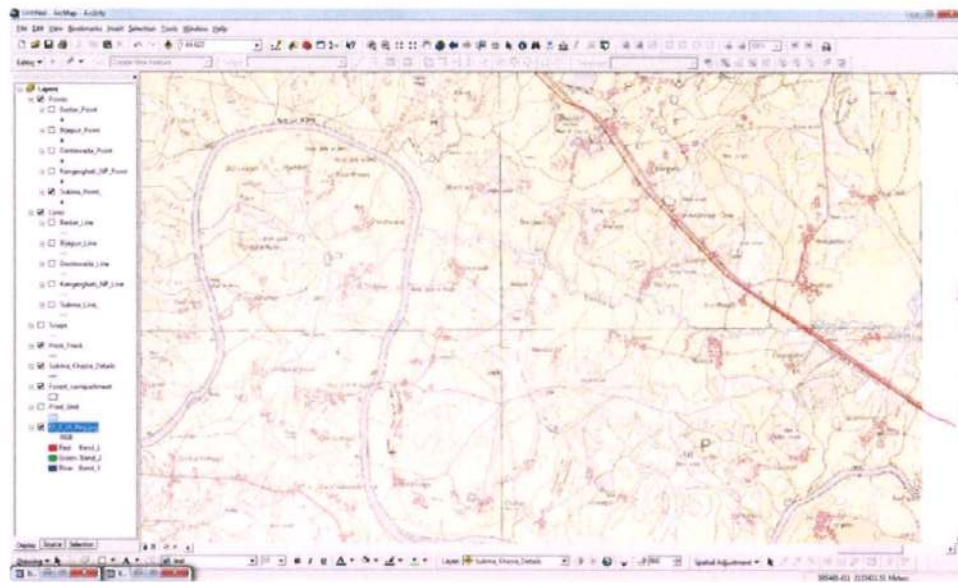
Proposed OFC Line on LiDAR Data (with Panoramic Imagery)



Proposed OFC Line on LiDAR Data only

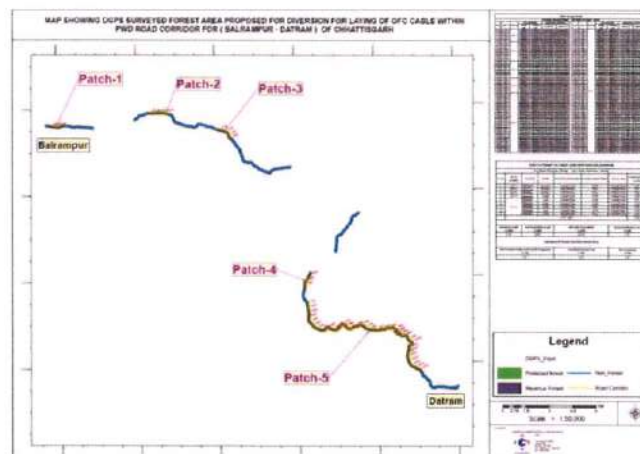
4.5. Geo-referencing of Maps:

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)



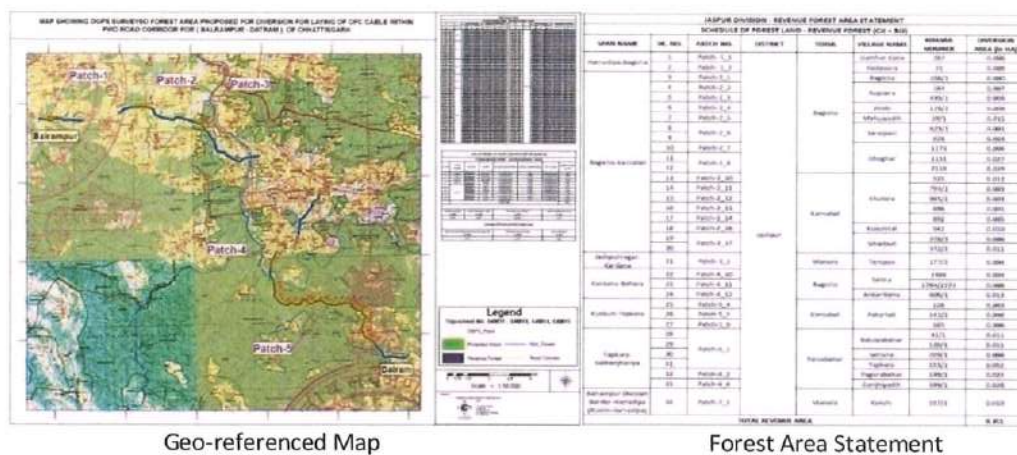
4.6. Creation of Vector Data for Forest Diversion:

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.



5. DGPS Survey Results

The total OFC route length is approx. 727.109 km. covered Bhaiyathan, Premnagar and Odgi Block of Surajpur District. Out of this 544.349 km OFC route length is passing through non-forest Land and 182.760 km OFC route length is passing through Forest Patches hence the proposed forest area for diversion 9.138 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 –Bhaiyathan, Odgi and Premnagar Block with in Surajpur Forest Division, District - Surajpur						
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.)
727.109	544.349	0.0005	27.217	182.760	0.0005	9.138

Surajpur 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	Surajpur	Bhiharpur	58	61652.448	0.5	3.083
2	Surajpur	Kudargarh	60	68768.697	0.5	3.438
3	Surajpur	Ramanuj nagar	24	31537.741	0.5	1.577
4	Surajpur	Surajpur	8	12279.093	0.5	0.614
Total of Table A				174237.979	0.5	8.712
Sl. No.	District	Block	No of Khasra	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
1	Surajpur	Premnagar	34	3015.300	0.5	0.151
2	Surajpur	Bhaiyathan	6	649.839	0.5	0.032
3	Surajpur	Odgi	56	4857.014	0.5	0.243
Total of Table B				8522.153	0.5	0.426
Total Diversion Area (Table A+TableB)				182760.132	0.5	9.138



Chhattisgarh BharatNet Phase-II Project

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.)	ProposedArea (in Ha.)
1	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1394	840.166	0.5	0.042
2	24	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1394	840.166	0.5	0.042
3	24	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1396	2772.218	0.5	0.138
4	24	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1397	493.855	0.5	0.025
5	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1398	203.435	0.5	0.010
6	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1398	1225.467	0.5	0.061
7	24	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1398	1056.578	0.5	0.053
8	24	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1398	1225.467	0.5	0.061
9	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1399	132.254	0.5	0.007
10	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1400	374.839	0.5	0.019
11	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1401	2269.235	0.5	0.113
12	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1403	566.036	0.5	0.028
13	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1403	972.639	0.5	0.048
14	24	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1403	566.036	0.5	0.028
15	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1467	2094.404	0.5	0.105
16	24	Odgi	Surajpur	Bark To Kailashnagar	Bhiharpur	PF	P1471	732.809	0.5	0.037
17	24	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1471	732.809	0.5	0.037
18	25	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P 562	704.780	0.5	0.035
19	25	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P1387	382.604	0.5	0.019



Chhattisgarh BharatNet Phase-II Project

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.)	ProposedArea (In Ha.)
20	25	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P 1388	1259.606	0.5	0.063
21	25	Odgi	Surajpur	Kailashnagar To Moharshop	Bhiharpur	PF	P 1389	2041.093	0.5	0.102
22	26	Odgi	Surajpur	Kachhiya To Khaira	Bhiharpur	PF	P 556	1376.239	0.5	0.069
23	26	Odgi	Surajpur	Moharshop To Kachhiya	Bhiharpur	PF	P 556	574.324	0.5	0.029
24	26	Odgi	Surajpur	Moharshop To Kachhiya	Bhiharpur	PF	P 557	199.862	0.5	0.010
25	26	Odgi	Surajpur	Kachhiya To Khaira	Bhiharpur	PF	P 558	1044.260	0.5	0.052
26	26	Odgi	Surajpur	Moharshop To Kachhiya	Bhiharpur	PF	P 558	1061.087	0.5	0.053
27	26	Odgi	Surajpur	Kachhiya To Khaira	Bhiharpur	PF	P 559	145.939	0.5	0.007
28	26	Odgi	Surajpur	Moharshop To Kachhiya	Bhiharpur	PF	P 559	137.560	0.5	0.007
29	27	Odgi	Surajpur	Ramgarh To Umjhar	Bhiharpur	PF	P 548	1281.168	0.5	0.064
30	28	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 547	1821.490	0.5	0.091
31	28	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 548	275.351	0.5	0.014
32	28	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 550	2526.615	0.5	0.126
33	28	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 551	590.633	0.5	0.030
34	29	Odgi	Surajpur	Mahuli To Khohir	Bhiharpur	PF	P 549	3131.575	0.5	0.157
35	30	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 554	1585.834	0.5	0.079
36	30	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 555	1080.607	0.5	0.054
37	30	Odgi	Surajpur	Karauti To Mahuli	Bhiharpur	PF	P 573	218.724	0.5	0.011
38	30	Odgi	Surajpur	Karauti To Mahuli	Bhiharpur	PF	P 573	756.812	0.5	0.038
39	30	Odgi	Surajpur	Mahuli To Awantikapur	Bhiharpur	PF	P 573	1283.013	0.5	0.064



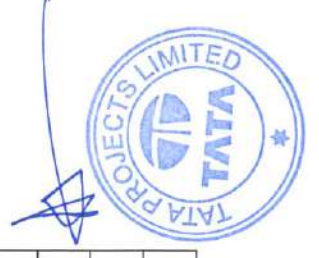
Chhattisgarh BharatNet Phase-II Project

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.)
40	30	Odgi	Surajpur	Mahuli To Khohir	Bhiharpur	PF	P 573	50.632	0.5	0.003
41	30	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 573	204.359	0.5	0.010
42	30	Odgi	Surajpur	Mahuli To Ramgarh	Bhiharpur	PF	P 573	756.812	0.5	0.038
43	31	Odgi	Surajpur	Karauti To Mahuli	Bhiharpur	PF	P 555	1988.804	0.5	0.099
44	32	Odgi	Surajpur	Karauti To Mahuli	Bhiharpur	PF	P 554	901.944	0.5	0.045
45	33	Odgi	Surajpur	Karauti To Mahuli	Bhiharpur	PF	P 568	476.260	0.5	0.024
46	33	Odgi	Surajpur	Khaira To Karaoti	Bhiharpur	PF	P 568	1874.826	0.5	0.094
47	34	Odgi	Surajpur	Awantikapur To Nawatola	Bhiharpur	PF	P 576	135.550	0.5	0.007
48	35	Odgi	Surajpur	Sapaha To Kuberpur	Bhiharpur	PF	P 582	984.651	0.5	0.049
49	36	Odgi	Surajpur	Begaridand To Thadpathar	Bhiharpur	PF	P 581	973.805	0.5	0.049
50	37	Odgi	Surajpur	Pasal To Serma	Bhiharpur	PF	P 578	1192.872	0.5	0.060
51	37	Odgi	Surajpur	Serma To Vishalpur	Bhiharpur	PF	P 578	417.622	0.5	0.021
52	38	Odgi	Surajpur	Thadpathar To Pendar	Bhiharpur	PF	P 576	982.822	0.5	0.049
53	39	Odgi	Surajpur	Pasal To Serma	Bhiharpur	PF	P 566	1157.386	0.5	0.058
54	40	Odgi	Surajpur	Pendar To Khaira	Bhiharpur	PF	P 569	2936.694	0.5	0.147
55	40	Odgi	Surajpur	Pendar To Khaira	Bhiharpur	PF	P 577	1224.839	0.5	0.061
56	40	Odgi	Surajpur	Thadpathar To Pendar	Bhiharpur	PF	P 577	625.665	0.5	0.031
57	41	Odgi	Surajpur	Khaira To Pasal	Bhiharpur	PF	P 567	3276.875	0.5	0.164
58	41	Odgi	Surajpur	Pendar To Khaira	Bhiharpur	PF	P 567	912.441	0.5	0.046
Total-							58	61652.448	0.5	3.083



Chhattisgarh BharatNet Phase-II Project

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.)	ProposedArea (in Ha.)
59	18	Odgi	Surajpur	Khadapara To Dharsedi	Kudargarh	PF	P1620	1097.491	0.5	0.055
60	19	Odgi	Surajpur	Dharsedi To Karri	Kudargarh	PF	P1590	2376.553	0.5	0.119
61	20	Odgi	Surajpur	Kuppi To Bhawarkhoh	Kudargarh	PF	P1585	917.050	0.5	0.046
62	20	Odgi	Surajpur	Kuppi To Bhawarkhoh	Kudargarh	PF	P1586	1360.347	0.5	0.068
63	21	Odgi	Surajpur	Rampur To Bajnathpur	Kudargarh	PF	P1593	434.457	0.5	0.022
64	21	Odgi	Surajpur	Rampur To Bajnathpur	Kudargarh	PF	P1596	866.973	0.5	0.043
65	22	Odgi	Surajpur	Chapda To Dhur	Kudargarh	PF	P1579	872.428	0.5	0.044
66	22	Odgi	Surajpur	Chapda To Dhur	Kudargarh	PF	P1580	717.672	0.5	0.036
67	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1480	1415.082	0.5	0.071
68	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1525	2977.929	0.5	0.149
69	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1527	1903.681	0.5	0.095
70	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1527	68.245	0.5	0.003
71	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1528	1160.975	0.5	0.058
72	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1529	1311.870	0.5	0.066
73	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1529	1311.870	0.5	0.066
74	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1530	645.489	0.5	0.032
75	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1530	645.489	0.5	0.032
76	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1531	38.243	0.5	0.002
77	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1531	802.547	0.5	0.04
78	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1531	37.414	0.5	0.002



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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	ProposedArea (In Ha.)
79	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1531	802.547	0.5	0.04
80	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1533	1750.044	0.5	0.088
81	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1573	369.772	0.5	0.018
82	23	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1578	586.896	0.5	0.029
83	23	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1578	586.896	0.5	0.029
84	24	Odgi	Surajpur	Bark To Kailashnagar	Kudargarh	PF	P1462	2695.878	0.5	0.135
85	24	Odgi	Surajpur	Bark To Kailashnagar	Kudargarh	PF	P1463	1008.863	0.5	0.05
86	24	Odgi	Surajpur	Bark To Kailashnagar	Kudargarh	PF	P1466	2033.261	0.5	0.102
87	24	Odgi	Surajpur	Bark To Kailashnagar	Kudargarh	PF	P1477	1528.157	0.5	0.076
88	24	Odgi	Surajpur	Bark To Kailashnagar	Kudargarh	PF	P1478	1254.178	0.5	0.063
89	24	Odgi	Surajpur	Bark To Kailashnagar	Kudargarh	PF	P1534	2177.824	0.5	0.108
90	24	Odgi	Surajpur	Indarpur To Bark	Kudargarh	PF	P1534	205.785	0.5	0.01
91	24	Odgi	Surajpur	Pasal To Serma	Kudargarh	PF	P1534	194.614	0.5	0.01
92	42	Odgi	Surajpur	Injani To Tamki	Kudargarh	PF	P 257	1357.512	0.5	0.068
93	42	Odgi	Surajpur	Tamki To Karwa	Kudargarh	PF	P 257	3232.235	0.5	0.161
94	43	Odgi	Surajpur	Karwa To Bedmi	Kudargarh	PF	P 256	3073.420	0.5	0.154
95	43	Odgi	Surajpur	Karwa To Bedmi	Kudargarh	PF	P 257	80.956	0.5	0.004
96	44	Odgi	Surajpur	Karwa To Bedmi	Kudargarh	PF	P 255	896.870	0.5	0.045
97	45	Odgi	Surajpur	Bedmi To Masanki	Kudargarh	PF	P 255	2097.690	0.5	0.105
98	46	Odgi	Surajpur	Bedmi To Masanki	Kudargarh	RF	1543	1236.644	0.5	0.062



Chhattisgarh BharatNet Phase-II Project

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.)	ProposedArea (In Ha.)
99	46	Odgi	Surajpur	Bedmi To Masanki	Kudargarh	PF	P1540	1607.988	0.5	0.08
100	46	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1540	173.747	0.5	0.009
101	47	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1539	476.773	0.5	0.024
102	47	Odgi	Surajpur	Kuppa To Kharra	Kudargarh	PF	P1557	602.966	0.5	0.03
103	47	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1557	615.137	0.5	0.031
104	47	Odgi	Surajpur	Kuppa To Kharra	Kudargarh	PF	P1558	1681.000	0.5	0.084
105	47	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1558	1681.320	0.5	0.084
106	47	Odgi	Surajpur	Kuppa To Kharra	Kudargarh	PF	P1560	576.191	0.5	0.029
107	47	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1560	573.259	0.5	0.028
108	47	Odgi	Surajpur	Kuppa To Kharra	Kudargarh	PF	P1561	1156.946	0.5	0.058
109	47	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1561	1153.757	0.5	0.057
110	47	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1562	826.627	0.5	0.041
111	47	Odgi	Surajpur	Masanki To Kuppa	Kudargarh	PF	P1563	893.769	0.5	0.045
112	47	Odgi	Surajpur	Kuppa To Kharra	Kudargarh	PF	P1571	298.428	0.5	0.015
113	47	Odgi	Surajpur	Kuppa To Kharra	Kudargarh	PF	P1572	2072.838	0.5	0.104
114	47	Odgi	Surajpur	Dhur To Paldanuli	Kudargarh	PF	P1575	63.273	0.5	0.003
115	47	Odgi	Surajpur	Paldanuli To Kalamajan	Kudargarh	PF	P1575	1434.525	0.5	0.072
116	48	Odgi	Surajpur	Kharra To Odigai	Kudargarh	PF	P1574	833.475	0.5	0.042
117	49	Odgi	Surajpur	Kuppa To Lanjit	Kudargarh	PF	P1554	2291.685	0.5	0.115
118	50	Odgi	Surajpur	Lanjit To Mayurdhakki	Kudargarh	PF	P 218	1623.146	0.5	0.081



Chhattisgarh BharatNet Phase-II Project

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.)	ProposedArea (in Ha.)
Total-										
119	1	Premnagar	Surajpur	Shivnagar To Salka	Ramanuj nagar	PF	P1858	751.737	0.5	0.038
120	2	Premnagar	Surajpur	Tara To Shivnagar	Ramanuj nagar	RF	1982	2162.037	0.5	0.108
121	2	Premnagar	Surajpur	Tara To Shivnagar	Ramanuj nagar	PF	P1986	550.016	0.5	0.028
122	2	Premnagar	Surajpur	Shivnagar To Tara	Ramanuj nagar	PF	P1997	2871.404	0.5	0.144
123	3	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	RF	1932	873.203	0.5	0.044
124	3	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	RF	1977	809.000	0.5	0.040
125	3	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	RF	1978	864.373	0.5	0.043
126	3	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	RF	1979	1511.996	0.5	0.076
127	3	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	RF	1984	188.421	0.5	0.008
128	3	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	RF	1985	1174.470	0.5	0.058
129	4	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	PF	P1992	945.772	0.5	0.047
130	5	Premnagar	Surajpur	Tara To Chandannagar	Ramanuj nagar	RF	1930	1209.084	0.5	0.060
131	5	Premnagar	Surajpur	Chandannagar To Tara	Ramanuj nagar	RF	1990	1263.197	0.5	0.063
132	5	Premnagar	Surajpur	Chandannagar To Tara	Ramanuj nagar	RF	1991	34.781	0.5	0.002
133	6	Premnagar	Surajpur	Salka To Brindawan	Ramanuj nagar	PF	P1857	1531.757	0.5	0.077
134	7	Premnagar	Surajpur	Namna To Namna	Ramanuj nagar	RF	VVN P1866	2343.029	0.5	0.117
135	8	Premnagar	Surajpur	Premnagar To Koteya	Ramanuj nagar	RF	VVN 1942	593.857	0.5	0.030
136	8	Premnagar	Surajpur	Premnagar To Koteya	Ramanuj nagar	RF	VVN 1944	300.564	0.5	0.015
137	8	Premnagar	Surajpur	Premnagar To Koteya	Ramanuj nagar	RF	VVN P1918	1691.480	0.5	0.085



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Table A - Area statement for proposed forest Patches – Protected /Reserve/Orange Area										
Sl. No.	Patch	Block	Forest Division	Route Name	Forest Range	Type	Comp. No	Length (in m.)	Width (in m.)	ProposedArea (in Ha.)
138	8	Premnagar	Surajpur	Premnagar To Koteya	Ramanuj nagar	RF	VVN P1919	1940.719	0.5	0.097
139	9	Premnagar	Surajpur	Vindhyachal To Koteya	Ramanuj nagar	RF	VVN 1915	318.663	0.5	0.016
140	10	Premnagar	Surajpur	Koteya To Bakirma	Ramanuj nagar	RF	VVN P1920	1330.946	0.5	0.067
141	12	Premnagar	Surajpur	Premnagar To Brahmpur	Ramanuj nagar	RF	VVN 1922	5681.860	0.5	0.284
142	13	Premnagar	Surajpur	Annapura To Kanchanpur	Ramanuj nagar	PF	P1896	595.375	0.5	0.030
Total-							24	31537.741	0.5	1.577
143	14	Bhaiyathan	Surajpur	Sonpur Su To Rai	Surajpur	PF	P1698	1309.131	0.5	0.065
144	14	Bhaiyathan	Surajpur	Sonpur Su To Rai	Surajpur	PF	P1699	2302.905	0.5	0.115
145	15	Bhaiyathan	Surajpur	Barpara To Dharampur	Surajpur	PF	P1692	2398.649	0.5	0.12
146	15	Bhaiyathan	Surajpur	Bundiya To Sudamanagar	Surajpur	PF	P1695	64.617	0.5	0.003
147	16	Bhaiyathan	Surajpur	Karkoti To Sirsi	Surajpur	PF	P1622	236.844	0.5	0.013
148	16	Bhaiyathan	Surajpur	Adthinapur To Satyanagar	Surajpur	PF	P1625	2213.645	0.5	0.111
149	17	Odgi	Surajpur	Bajnathpur To Tarka	Surajpur	PF	P1605	3028.616	0.5	0.151
150	17	Odgi	Surajpur	Bajnathpur To Tarka	Surajpur	PF	P1606	724.686	0.5	0.036
Total-							8	12279.093	0.5	0.614
Grand Total-							150	174237.979	0.5	8.712

वन परिक्षेत्राधिकारी
रामानुजपुर

वन परिक्षेत्राधिकारी
वन परिक्षेत्राधिकारी
सुरजपुर

वन परिक्षेत्राधिकारी
बिहारपुर

वन परिक्षेत्राधिकारी
कुदगाव

वनमण्डलाधिकारी
सुरजपुर वनमण्डल - सुरजपुर
जिला-सुरजपुर (छ.ग.)



Chhattisgarh BharatNet Phase-II Project

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

Sl No.	Patch	District	Block	Route Name	Village	Type	Khasra No	Length (in m.)	Width (in m.)	Proposed Area (In Ha.)
1	3	Surajpur	Premnagar	Tara To Chandannagar	Kantaroli	BJJ	238	29.473	0.5	0.001
2	4	Surajpur	Premnagar	Tara To Chandannagar	Kantaroli	CJJ	166	86.734	0.5	0.004
3	4	Surajpur	Premnagar	Tara To Chandannagar	Kantaroli	BJJ	105	37.017	0.5	0.002
4	4	Surajpur	Premnagar	Tara To Chandannagar	Kantaroli	BJJ	106	53.376	0.5	0.003
5	4	Surajpur	Premnagar	Tara To Chandannagar	Kantaroli	BJJ	107	28.502	0.5	0.001
6	4	Surajpur	Premnagar	Tara To Chandannagar	Mendra	CJJ	276	50.519	0.5	0.003
7	4	Surajpur	Premnagar	Tara To Chandannagar	Mendra	CJJ	263	40.698	0.5	0.002
8	4	Surajpur	Premnagar	Tara To Chandannagar	Mendra	CJJ	261	94.342	0.5	0.005
9	5	Surajpur	Premnagar	Premnagar To Tara	Abhaypur	CJJ	442	282.241	0.5	0.014
10	5	Surajpur	Premnagar	Premnagar To Tara	Abhaypur	CJJ	362	54.947	0.5	0.003
11	5	Surajpur	Premnagar	Premnagar To Tara	Abhaypur	CJJ	360	30.764	0.5	0.002
12	5	Surajpur	Premnagar	Tara To Chandannagar	Mendra	CJJ	17	74.625	0.5	0.004
13	5	Surajpur	Premnagar	Tara To Chandannagar	Mendra	CJJ	90	74.667	0.5	0.004
14	5	Surajpur	Premnagar	Tara To Chandannagar	Mendra	CJJ	88	104.520	0.5	0.005
15	6	Surajpur	Premnagar	Salka To Umeshwarpur	Kotal	CJJ	516	56.872	0.5	0.003
16	6	Surajpur	Premnagar	Salka To Umeshwarpur	Kotal	CJJ	861	130.236	0.5	0.007
17	6	Surajpur	Premnagar	Salka To Umeshwarpur	Kotal	CJJ	864	209.030	0.5	0.010
18	7	Surajpur	Premnagar	Umeshwarpur To Premnagar	Bakalo	CJJ	365	42.110	0.5	0.002
19	7	Surajpur	Premnagar	Umeshwarpur To Premnagar	Bakalo	CJJ	799	21.680	0.5	0.001
20	7	Surajpur	Premnagar	Umeshwarpur To Premnagar	Bakalo	CJJ	798	19.993	0.5	0.001



Chhattisgarh BharatNet Phase-II Project

Table B - Area statement ent 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.)	ProposedArea (In Ha.)
21	7	Surajpur	Premnagar	Umeshwarpur To Premnagar	Bakalo	CJJ	740	27.383	0.5	0.001
22	7	Surajpur	Premnagar	Umeshwarpur To Premnagar	Bakalo	CJJ	652	82.160	0.5	0.004
23	7	Surajpur	Premnagar	Umeshwarpur To Premnagar	Bakalo	CJJ	679	28.116	0.5	0.001
24	9	Surajpur	Premnagar	Bakirma To Vindhyachal	Vindhyachal	CJJ	67	61.772	0.5	0.003
25	9	Surajpur	Premnagar	Bakirma To Vindhyachal	Vindhyachal	CJJ	69	305.301	0.5	0.016
26	9	Surajpur	Premnagar	Bakirma To Vindhyachal	Vindhyachal	CJJ	31	98.838	0.5	0.005
27	9	Surajpur	Premnagar	Bakirma To Vindhyachal	Vindhyachal	CJJ	40	28.252	0.5	0.001
28	9	Surajpur	Premnagar	Bakirma To Vindhyachal	Vindhyachal	CJJ	41	130.569	0.5	0.007
29	11	Surajpur	Premnagar	Bakirma To Phulkona	Kedarpur	CJJ	809	113.807	0.5	0.006
30	11	Surajpur	Premnagar	Bakirma To Phulkona	Kedarpur	CJJ	813	142.409	0.5	0.007
31	11	Surajpur	Premnagar	Bakirma To Phulkona	Kedarpur	CJJ	434	23.673	0.5	0.001
32	11	Surajpur	Premnagar	Bakirma To Phulkona	Kedarpur	CJJ	436	197.476	0.5	0.010
33	11	Surajpur	Premnagar	Bakirma To Phulkona	Kedarpur	CJJ	291	43.595	0.5	0.002
34	12	Surajpur	Premnagar	Premnagar To Phulkona	Premnagar	CJJ	204	209.603	0.5	0.010
Total-							34	3015.300	0.5	0.151
35	14	Surajpur	Bhaiyathan	Batara To Laxmipur	Batra	CJJ	1549/2	50.072	0.5	0.003
36	15	Surajpur	Bhaiyathan	Barpara To Dharampur	Dharampur	CJJ	111	157.130	0.5	0.008
37	15	Surajpur	Bhaiyathan	Barpara To Dharampur	Dharampur	CJJ	116	118.740	0.5	0.005
38	16	Surajpur	Bhaiyathan	Adthinapur To Satyanagar	Kewtali	CJJ	333	143.639	0.5	0.007
39	16	Surajpur	Bhaiyathan	Adthinapur To Satyanagar	Kewtali	CJJ	335	27.065	0.5	0.001

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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.)	ProposedArea (in Ha.)
40	16	Surajpur	Bhaiyathan	Karkoti To Sirsi	Sirsi	CJJ	1119	153.193	0.5	0.008
Total-							6	649.839	0.5	0.032
41	19	Surajpur	Odgi	Dharsedi To Karri	Dharsedi	CJJ	939	104.809	0.5	0.005
42	19	Surajpur	Odgi	Dharsedi To Karri	Dharsedi	CJJ	986	149.127	0.5	0.007
43	19	Surajpur	Odgi	Dharsedi To Karri	Karri	CJJ	742	81.512	0.5	0.004
44	19	Surajpur	Odgi	Dharsedi To Karri	Karri	CJJ	668	119.397	0.5	0.006
45	19	Surajpur	Odgi	Dharsedi To Karri	Karri	CJJ	659	41.401	0.5	0.002
46	19	Surajpur	Odgi	Dharsedi To Karri	Karri	CJJ	661	139.568	0.5	0.007
47	20	Surajpur	Odgi	Bhawarkhoh To Chapda	Anandpur	CJJ	403	46.237	0.5	0.002
48	20	Surajpur	Odgi	Bhawarkhoh To Chapda	Anandpur	CJJ	300	17.035	0.5	0.001
49	24	Surajpur	Odgi	Kailashnagar To Moharshop	Basnara	CJJ	152	68.651	0.5	0.003
50	24	Surajpur	Odgi	Kailashnagar To Moharshop	Basnara	CJJ	150/1	134.466	0.5	0.007
51	24	Surajpur	Odgi	Kailashnagar To Moharshop	Basnara	CJJ	149	335.075	0.5	0.018
52	24	Surajpur	Odgi	Bark To Kailashnagar	Kailashnagar	CJJ	23	67.950	0.5	0.003
53	24	Surajpur	Odgi	Bark To Kailashnagar	Kailashnagar	CJJ	54	69.092	0.5	0.003
54	26	Surajpur	Odgi	Moharshop To Kachhiya	Kachhiya	CJJ	136	105.135	0.5	0.005
55	26	Surajpur	Odgi	Moharshop To Kachhiya	Kachhiya	CJJ	131	54.692	0.5	0.003
56	26	Surajpur	Odgi	Moharshop To Kachhiya	Kachhiya	CJJ	130	69.686	0.5	0.003
57	26	Surajpur	Odgi	Moharshop To Kachhiya	Kachhiya	CJJ	128	46.685	0.5	0.002
58	26	Surajpur	Odgi	Moharshop To Kachhiya	Nawdiha	CJJ	59	68.679	0.5	0.003

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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.)	ProposedArea (in Ha.)
59	26	Surajpur	Odgi	Moharshop To Kachhiya	Nawdiha	CJJ	58	18.126	0.5	0.001
60	26	Surajpur	Odgi	Moharshop To Kachhiya	Nawdiha	CJJ	61	26.871	0.5	0.001
61	26	Surajpur	Odgi	Moharshop To Kachhiya	Nawdiha	CJJ	66	24.878	0.5	0.001
62	26	Surajpur	Odgi	Moharshop To Kachhiya	Nawdiha	CJJ	65	56.188	0.5	0.003
63	26	Surajpur	Odgi	Moharshop To Kachhiya	Nawdiha	CJJ	89	13.312	0.5	0.001
64	29	Surajpur	Odgi	Mahuli To Khohir	Mahuli	CJJ	72	24.105	0.5	0.001
65	29	Surajpur	Odgi	Mahuli To Khohir	Mahuli	CJJ	67	109.067	0.5	0.005
66	29	Surajpur	Odgi	Mahuli To Khohir	Mahuli	CJJ	84	52.001	0.5	0.003
67	29	Surajpur	Odgi	Mahuli To Khohir	Mahuli	CJJ	83	145.028	0.5	0.007
68	31	Surajpur	Odgi	Kuberpur To Biharpur	Biharpur	CJJ	679	37.458	0.5	0.002
69	31	Surajpur	Odgi	Kuberpur To Biharpur	Biharpur	CJJ	678	31.326	0.5	0.002
70	34	Surajpur	Odgi	Mahuli To Awantikapur	Awantikapur	CJJ	216	43.911	0.5	0.002
71	34	Surajpur	Odgi	Mahuli To Awantikapur	Awantikapur	CJJ	212	129.573	0.5	0.006
72	34	Surajpur	Odgi	Mahuli To Awantikapur	Awantikapur	CJJ	210	112.555	0.5	0.007
73	34	Surajpur	Odgi	Mahuli To Awantikapur	Awantikapur	CJJ	206	37.438	0.5	0.002
74	34	Surajpur	Odgi	Mahuli To Awantikapur	Awantikapur	CJJ	204	43.797	0.5	0.002
75	34	Surajpur	Odgi	Mahuli To Awantikapur	Awantikapur	CJJ	203	48.644	0.5	0.002
76	34	Surajpur	Odgi	Mahuli To Awantikapur	Awantikapur	CJJ	191	42.864	0.5	0.002
77	34	Surajpur	Odgi	Awantikapur To Nawatola	Awantikapur	CJJ	636	131.315	0.5	0.007
78	34	Surajpur	Odgi	Awantikapur To Nawatola	Awantikapur	CJJ	651	106.785	0.5	0.005

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

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.)	ProposedArea (in Ha.)
79	34	Surajpur	Odgi	Awantikapur To Nawatola	Biharpur	CJJ	127/2	346.387	0.5	0.017
80	34	Surajpur	Odgi	Awantikapur To Nawatola	Biharpur	CJJ	158	162.365	0.5	0.011
81	34	Surajpur	Odgi	Awantikapur To Nawatola	Biharpur	CJJ	202	39.466	0.5	0.002
82	34	Surajpur	Odgi	Awantikapur To Nawatola	Biharpur	CJJ	219	41.453	0.5	0.002
83	34	Surajpur	Odgi	Awantikapur To Nawatola	Biharpur	CJJ	232	88.380	0.5	0.004
84	38	Surajpur	Odgi	Pasal To Serma	Pasal	CJJ	30	21.862	0.5	0.001
85	38	Surajpur	Odgi	Pasal To Serma	Pasal	CJJ	33	13.840	0.5	0.001
86	38	Surajpur	Odgi	Pasal To Serma	Pasal	CJJ	87	109.003	0.5	0.005
87	38	Surajpur	Odgi	Pasal To Serma	Pasal	CJJ	462	20.785	0.5	0.001
88	38	Surajpur	Odgi	Thadpathar To Pendari	Pendari	CJJ	563	37.036	0.5	0.002
89	42	Surajpur	Odgi	Injani To Tamki	Tamki	CJJ	183	28.585	0.5	0.001
90	42	Surajpur	Odgi	Injani To Tamki	Tamki	CJJ	182	49.245	0.5	0.002
91	42	Surajpur	Odgi	Injani To Tamki	Tamki	CJJ	179	131.771	0.5	0.007
92	42	Surajpur	Odgi	Injani To Tamki	Tamki	CJJ	138	252.635	0.5	0.013
93	42	Surajpur	Odgi	Injani To Tamki	Tamki	CJJ	91	169.285	0.5	0.009
94	48	Surajpur	Odgi	Kuppa To Kharra	Kharra	CJJ	333	124.943	0.5	0.006
95	48	Surajpur	Odgi	Kharra To Odigai	Kharra	CJJ	332	47.063	0.5	0.002
96	49	Surajpur	Odgi	Kuppa To Lanjit	Kuppa	CJJ	242/1	218.471	0.5	0.011
Total-							56	4857.014	0.5	0.243
Grand Total-							96	8522.153	0.5	0.426

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

Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-1	1	82°47'26.05700"	22°52'39.38923"	P-51	3	82°43'00.91882"	22°50'40.87734"
P-2	1	82°47'32.94906"	22°52'40.60740"	P-52	3	82°42'40.94866"	22°51'26.74615"
P-3	1	82°47'39.84448"	22°52'41.80734"	P-53	3	82°42'41.14635"	22°51'20.24871"
P-4	1	82°47'46.78193"	22°52'41.39659"	P-54	3	82°42'42.65437"	22°51'14.07498"
P-5	1	82°47'51.92421"	22°52'40.12276"	P-55	3	82°42'44.88528"	22°51'07.99746"
P-6	2	82°46'07.69382"	22°52'27.14572"	P-56	3	82°42'45.74766"	22°51'01.54728"
P-7	2	82°46'14.51905"	22°52'28.61543"	P-57	3	82°42'45.78857"	22°51'01.25720"
P-8	2	82°46'21.39300"	22°52'29.91702"	P-58	3	82°43'52.02663"	22°50'17.48028"
P-9	2	82°46'28.30941"	22°52'31.00264"	P-59	3	82°43'58.27318"	22°50'14.52407"
P-10	2	82°46'35.26195"	22°52'31.87704"	P-60	3	82°44'04.47871"	22°50'11.49414"
P-11	2	82°46'42.21360"	22°52'32.75784"	P-61	3	82°44'10.62581"	22°50'08.36491"
P-12	2	82°45'17.67963"	22°51'50.91008"	P-62	3	82°44'13.56248"	22°50'04.36921"
P-13	2	82°45'20.97659"	22°51'56.64440"	P-63	3	82°44'16.94705"	22°50'02.14779"
P-14	2	82°45'26.08536"	22°52'01.03399"	P-64	3	82°44'15.18110"	22°50'06.57251"
P-15	2	82°45'31.89116"	22°52'04.68432"	P-65	3	82°43'05.57815"	22°50'36.53633"
P-16	2	82°45'37.69581"	22°52'08.33626"	P-66	3	82°43'11.08457"	22°50'32.86141"
P-17	2	82°45'43.50673"	22°52'11.97969"	P-67	3	82°43'18.09777"	22°50'32.94459"
P-18	2	82°45'49.27816"	22°52'15.67665"	P-68	3	82°43'24.70940"	22°50'31.13396"
P-19	2	82°45'55.02059"	22°52'19.41216"	P-69	3	82°43'29.84562"	22°50'26.78794"
P-20	2	82°46'00.68651"	22°52'23.10616"	P-70	3	82°43'34.90166"	22°50'22.39073"
P-21	2	82°46'02.75197"	22°52'24.41668"	P-71	3	82°43'41.64526"	22°50'20.62269"
P-22	2	82°44'55.81850"	22°50'44.18974"	P-72	3	82°43'48.39074"	22°50'18.84316"
P-23	2	82°44'58.17799"	22°50'50.30533"	P-73	3	82°43'52.02663"	22°50'17.48028"
P-24	2	82°45'00.55661"	22°50'56.39347"	P-74	3	82°42'42.11994"	22°51'54.79115"
P-25	2	82°45'01.20183"	22°51'02.86572"	P-75	3	82°42'41.77331"	22°51'53.88912"
P-26	2	82°45'01.83383"	22°51'09.34008"	P-76	4	82°43'18.56144"	22°52'44.27602"
P-27	2	82°45'02.85671"	22°51'15.77175"	P-77	4	82°43'15.11519"	22°52'38.86170"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-28	2	82°45'04.37572"	22°51'22.11658"	P-78	4	82°43'09.36449"	22°52'35.16057"
P-29	2	82°45'06.50458"	22°51'28.30903"	P-79	4	82°43'04.82387"	22°52'30.33805"
P-30	2	82°45'09.22582"	22°51'34.29928"	P-80	4	82°43'02.12508"	22°52'24.33689"
P-31	2	82°45'12.10829"	22°51'40.22675"	P-81	4	82°43'00.24350"	22°52'19.93605"
P-32	2	82°45'15.07591"	22°51'46.11752"	P-82	4	82°43'17.13737"	22°52'59.19617"
P-33	2	82°45'17.63209"	22°51'50.82124"	P-83	4	82°43'17.88647"	22°52'57.71910"
P-34	2	82°44'46.75498"	22°50'28.83214"	P-84	4	82°43'18.20338"	22°52'54.46382"
P-35	2	82°44'51.54536"	22°50'33.56285"	P-85	4	82°43'18.17001"	22°52'53.14119"
P-36	2	82°44'54.21576"	22°50'39.55209"	P-86	4	82°43'18.17001"	22°52'53.14119"
P-37	2	82°44'55.81850"	22°50'44.18974"	P-87	4	82°43'18.63966"	22°52'50.11978"
P-38	3	82°42'41.75171"	22°51'53.85162"	P-88	4	82°42'51.38307"	22°52'11.12178"
P-39	3	82°42'39.66897"	22°51'47.64843"	P-89	4	82°42'49.64918"	22°52'08.80643"
P-40	3	82°42'37.53658"	22°51'41.45800"	P-90	4	82°42'58.75834"	22°52'17.66873"
P-41	3	82°42'38.93805"	22°51'35.30802"	P-91	4	82°42'57.87614"	22°52'16.78864"
P-42	3	82°42'40.90304"	22°51'29.12466"	P-92	4	82°42'59.78266"	22°52'19.11447"
P-43	3	82°42'40.94866"	22°51'26.74615"	P-93	4	82°42'58.75834"	22°52'17.66873"
P-44	3	82°43'00.91882"	22°50'40.87734"	P-94	4	82°43'00.24350"	22°52'19.93605"
P-45	3	82°43'05.57815"	22°50'36.53633"	P-95	4	82°42'59.78266"	22°52'19.11447"
P-46	3	82°42'45.78857"	22°51'01.25720"	P-96	5	82°43'31.63826"	22°53'52.05528"
P-47	3	82°42'45.58942"	22°50'54.80880"	P-97	5	82°43'27.55886"	22°53'47.15133"
P-48	3	82°42'47.88693"	22°50'49.12832"	P-98	5	82°43'25.80627"	22°53'40.85643"
P-49	3	82°42'54.26769"	22°50'46.59992"	P-99	5	82°43'24.13870"	22°53'34.54159"
P-50	3	82°42'59.50063"	22°50'42.50530"	P-100	5	82°43'20.51015"	22°53'29.13307"
P-101	5	82°43'18.91786"	22°53'23.23109"	P-151	7	82°44'34.41493"	22°58'03.43308"
P-102	5	82°43'16.82083"	22°53'17.32749"	P-152	7	82°44'30.25919"	22°57'58.20911"
P-103	5	82°43'16.62831"	22°53'17.09217"	P-153	7	82°44'25.03492"	22°57'53.87250"
P-104	5	82°43'32.60716"	22°53'52.74262"	P-154	7	82°44'19.94496"	22°57'49.40448"
P-105	5	82°43'31.63826"	22°53'52.05528"	P-155	7	82°44'16.02360"	22°57'46.53669"
P-106	5	82°43'45.27278"	22°54'30.63221"	P-156	7	82°45'20.52830"	22°59'18.05651"
P-107	5	82°43'42.14501"	22°54'24.81553"	P-157	7	82°45'20.99347"	22°59'16.75733"

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P-108	5	82°43'39.21653"	22°54'18.90736"	P-158	7	82°45'23.50612"	22°59'19.04334"
P-109	5	82°43'38.43776"	22°54'12.46845"	P-159	7	82°45'22.78008"	22°59'19.25294"
P-110	5	82°43'37.92251"	22°54'05.98452"	P-160	7	82°45'24.18457"	22°59'18.87838"
P-111	5	82°43'37.06658"	22°53'59.54301"	P-161	7	82°45'23.50612"	22°59'19.04334"
P-112	5	82°43'34.37260"	22°53'53.98560"	P-162	7	82°45'46.49777"	22°59'06.81532"
P-113	5	82°43'32.60716"	22°53'52.74262"	P-163	7	82°45'46.27580"	22°59'05.96016"
P-114	5	82°43'47.42787"	22°54'39.34483"	P-164	7	82°45'48.10016"	22°59'09.03098"
P-115	5	82°43'46.51889"	22°54'33.04325"	P-165	7	82°45'46.49777"	22°59'06.81532"
P-116	5	82°43'45.27277"	22°54'30.63221"	P-166	7	82°45'51.88405"	22°59'15.09054"
P-117	5	82°43'47.18054"	22°54'43.42178"	P-167	7	82°45'51.51467"	22°59'14.24342"
P-118	5	82°43'47.28966"	22°54'41.63856"	P-168	8	82°41'37.40663"	22°56'27.61994"
P-119	5	82°43'48.77156"	22°54'47.77979"	P-169	8	82°41'32.65139"	22°56'22.88368"
P-120	5	82°43'48.24411"	22°54'46.90721"	P-170	8	82°41'26.39158"	22°56'21.67253"
P-121	5	82°43'13.84439"	22°53'14.81952"	P-171	8	82°41'19.94343"	22°56'23.62197"
P-122	5	82°43'12.43997"	22°53'12.80757"	P-172	8	82°40'16.72858"	22°56'42.32160"
P-123	5	82°43'12.48193"	22°53'10.93822"	P-173	8	82°40'09.76509"	22°56'41.87994"
P-124	5	82°43'13.25623"	22°53'08.62502"	P-174	8	82°40'06.26458"	22°56'41.51407"
P-125	5	82°43'13.25623"	22°53'08.62502"	P-175	8	82°39'21.10859"	22°57'17.47283"
P-126	5	82°43'14.48908"	22°53'05.42550"	P-176	8	82°39'16.67713"	22°57'22.49169"
P-127	6	82°47'07.70293"	22°56'13.52429"	P-177	8	82°39'11.41876"	22°57'24.78572"
P-128	6	82°47'07.02389"	22°56'19.83549"	P-178	8	82°39'05.09824"	22°57'26.88011"
P-129	6	82°47'07.09070"	22°56'26.20810"	P-179	8	82°38'59.33096"	22°57'23.48864"
P-130	6	82°47'07.52261"	22°56'32.61674"	P-180	8	82°38'54.66774"	22°57'19.05813"
P-131	6	82°47'12.59542"	22°56'36.12816"	P-181	8	82°38'47.90100"	22°57'18.98250"
P-132	6	82°47'18.80709"	22°56'36.36237"	P-182	8	82°38'41.62342"	22°57'21.89388"
P-133	6	82°47'15.17216"	22°56'40.24638"	P-183	8	82°38'36.77539"	22°57'26.22416"
P-134	6	82°47'08.72743"	22°56'42.77222"	P-184	8	82°38'34.53126"	22°57'28.19989"
P-135	6	82°47'04.38339"	22°56'44.23420"	P-185	8	82°40'06.26458"	22°56'41.51407"
P-136	6	82°47'08.55161"	22°58'57.39321"	P-186	8	82°39'59.40384"	22°56'42.17955"
P-137	6	82°47'09.94094"	22°58'58.71372"	P-187	8	82°39'52.63177"	22°56'43.87861"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-138	6	82°46'22.01708"	22°57'58.48660"	P-188	8	82°39'46.53888"	22°56'46.76495"
P-139	6	82°46'22.67337"	22°58'02.67621"	P-189	8	82°39'41.48571"	22°56'51.25488"
P-140	6	82°46'20.99341"	22°57'51.75820"	P-190	8	82°39'37.23421"	22°56'56.22849"
P-141	6	82°46'21.96698"	22°57'58.19674"	P-191	8	82°39'31.09560"	22°56'58.72489"
P-142	6	82°46'22.01708"	22°57'58.48660"	P-192	8	82°39'30.34415"	22°57'04.38601"
P-143	7	82°45'10.45354"	22°58'41.10233"	P-193	8	82°39'28.80699"	22°57'09.80633"
P-144	7	82°45'07.51920"	22°58'35.29803"	P-194	8	82°39'23.32744"	22°57'13.51150"
P-145	7	82°45'04.54482"	22°58'29.46007"	P-195	8	82°39'21.10859"	22°57'17.47283"
P-146	7	82°44'59.24034"	22°58'25.37256"	P-196	9	82°36'18.76520"	22°57'20.86332"
P-147	7	82°44'55.33709"	22°58'20.15535"	P-197	9	82°36'16.08865"	22°57'14.86031"
P-148	7	82°44'49.86589"	22°58'16.36296"	P-198	9	82°36'13.93325"	22°57'12.92435"
P-149	7	82°44'44.40956"	22°58'12.29569"	P-199	9	82°35'55.43701"	22°56'59.56949"
P-150	7	82°44'38.86240"	22°58'08.41434"	P-200	9	82°35'53.82879"	22°57'00.28456"
P-201	9	82°35'53.01804"	22°57'09.43166"	P-251	12	82°40'46.44292"	22°58'25.63072"
P-202	9	82°35'57.54167"	22°57'04.46277"	P-252	12	82°40'53.32961"	22°58'24.37349"
P-203	9	82°35'58.43176"	22°57'01.41567"	P-253	12	82°40'59.53183"	22°58'21.53617"
P-204	9	82°36'00.44996"	22°57'18.85489"	P-254	12	82°41'06.06802"	22°58'19.48697"
P-205	9	82°35'57.73653"	22°57'17.20036"	P-255	12	82°41'11.17442"	22°58'15.20502"
P-206	9	82°35'56.06160"	22°57'12.67860"	P-256	12	82°41'16.19527"	22°58'10.84666"
P-207	9	82°35'55.08597"	22°57'12.72001"	P-257	12	82°41'18.05747"	22°58'08.81994"
P-208	9	82°35'55.08597"	22°57'12.72001"	P-258	12	82°41'33.63291"	22°57'58.91039"
P-209	9	82°35'53.01804"	22°57'09.43166"	P-259	12	82°41'33.15224"	22°57'58.72716"
P-210	10	82°38'01.78714"	22°59'04.55888"	P-260	12	82°41'33.45678"	22°57'58.59328"
P-211	10	82°37'55.49255"	22°59'01.71612"	P-261	13	82°40'54.62759"	23°02'40.37279"
P-212	10	82°37'48.69616"	22°59'00.11085"	P-262	13	82°40'57.83093"	23°02'46.08831"
P-213	10	82°37'43.73368"	22°58'55.77947"	P-263	13	82°41'02.52288"	23°02'50.63425"
P-214	10	82°37'37.53450"	22°58'52.83554"	P-264	13	82°41'08.69187"	23°02'53.28999"
P-215	10	82°37'31.33877"	22°58'54.53033"	P-265	14	82°58'28.45877"	23°15'29.44983"
P-216	10	82°37'24.80629"	22°58'54.57710"	P-266	14	82°58'32.35724"	23°15'34.85123"
P-217	10	82°37'21.17541"	22°58'52.06535"	P-267	14	82°58'33.33764"	23°15'41.13730"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-218	11	82°39'56.37750"	22°58'42.32223"	P-268	14	82°58'31.02921"	23°15'47.26093"
P-219	11	82°40'00.08601"	22°58'41.01141"	P-269	14	82°58'42.38049"	23°15'25.58969"
P-220	11	82°39'48.94354"	22°58'44.30881"	P-270	14	82°59'27.72904"	23°15'23.29709"
P-221	11	82°39'53.78369"	22°58'43.26012"	P-271	14	82°59'20.84306"	23°15'24.62514"
P-222	11	82°39'44.39384"	22°58'44.97815"	P-272	14	82°59'17.01806"	23°15'24.88341"
P-223	11	82°39'45.20003"	22°58'44.80217"	P-273	14	83°00'48.24101"	23°15'20.14217"
P-224	11	82°39'37.21727"	22°58'43.81779"	P-274	14	83°00'41.27757"	23°15'19.21580"
P-225	11	82°39'43.99194"	22°58'44.97730"	P-275	14	83°00'34.32444"	23°15'18.22758"
P-226	11	82°39'29.32154"	22°58'46.06300"	P-276	14	83°00'27.35836"	23°15'17.31917"
P-227	11	82°39'30.71845"	22°58'45.49846"	P-277	14	83°00'20.33332"	23°15'17.15776"
P-228	12	82°41'18.39802"	22°58'08.98750"	P-278	14	83°00'13.29847"	23°15'17.19094"
P-229	12	82°41'14.00694"	22°58'14.04974"	P-279	14	83°00'06.29434"	23°15'17.21083"
P-230	12	82°41'08.18802"	22°58'17.55288"	P-280	14	82°59'59.26577"	23°15'17.36210"
P-231	12	82°41'02.72784"	22°58'21.14780"	P-281	14	82°59'52.35166"	23°15'18.54187"
P-232	12	82°40'56.24574"	22°58'23.46944"	P-282	14	82°59'45.46496"	23°15'19.86946"
P-233	12	82°40'49.68263"	22°58'25.42623"	P-283	14	82°59'38.57413"	23°15'21.18012"
P-234	12	82°40'42.76917"	22°58'26.52847"	P-284	14	82°59'31.69414"	23°15'22.53777"
P-235	12	82°40'37.77377"	22°58'30.84246"	P-285	14	82°59'28.17830"	23°15'23.21128"
P-236	12	82°40'36.18259"	22°58'36.94048"	P-286	14	82°57'57.46721"	23°17'54.72010"
P-237	12	82°40'32.06266"	22°58'41.66387"	P-287	14	82°57'57.68243"	23°17'53.10482"
P-238	12	82°40'32.13696"	22°58'47.96602"	P-288	15	83°01'48.33558"	23°17'48.84166"
P-239	12	82°40'27.93697"	22°58'53.16204"	P-289	15	83°01'48.23290"	23°17'46.77075"
P-240	12	82°40'25.43560"	22°58'58.83176"	P-290	15	83°00'19.00256"	23°20'18.10501"
P-241	12	82°40'26.84406"	22°59'04.52157"	P-291	15	83°00'25.90034"	23°20'18.78246"
P-242	12	82°40'31.43529"	22°59'09.15600"	P-292	15	83°00'32.87956"	23°20'18.76127"
P-243	12	82°40'35.01434"	22°59'14.48175"	P-293	15	83°00'53.09556"	23°20'17.59761"
P-244	12	82°40'30.63451"	22°59'18.46260"	P-294	15	83°00'57.94407"	23°20'13.78708"
P-245	12	82°40'13.65841"	22°58'41.55145"	P-295	15	83°01'01.47147"	23°20'08.16267"
P-246	12	82°40'20.58116"	22°58'41.73555"	P-296	15	83°01'05.09189"	23°20'02.59906"
P-247	12	82°40'27.48901"	22°58'40.63057"	P-297	15	83°01'10.68391"	23°19'58.99154"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-248	12	82°40'33.34081"	22°58'38.11580"	P-298	15	83°01'17.57598"	23°19'57.67018"
P-249	12	82°40'37.21257"	22°58'33.33583"	P-299	15	83°01'24.49214"	23°19'56.46049"
P-250	12	82°40'39.91644"	22°58'27.65653"	P-300	15	83°01'31.38531"	23°19'55.14639"
P-301	15	83°01'38.30084"	23°19'53.93743"	P-351	18	82°46'21.00854"	23°22'46.93340"
P-302	15	83°01'44.21945"	23°19'50.99656"	P-352	18	82°46'14.29972"	23°22'46.18169"
P-303	15	83°02'25.14887"	23°18'53.83929"	P-353	18	82°46'11.39541"	23°22'51.11887"
P-304	15	83°02'25.10189"	23°18'53.56928"	P-354	18	82°46'08.03871"	23°22'56.74493"
P-305	15	83°02'32.52709"	23°18'53.09520"	P-355	18	82°46'03.74506"	23°23'01.54450"
P-306	15	83°02'32.47020"	23°18'52.77351"	P-356	18	82°45'57.05630"	23°23'03.17897"
P-307	16	82°54'53.34542"	23°22'05.37797"	P-357	18	82°45'57.73000"	23°23'06.24794"
P-308	16	82°54'46.55103"	23°22'07.01628"	P-358	19	82°43'18.74999"	23°25'10.71199"
P-309	16	82°54'40.26144"	23°22'04.49066"	P-359	19	82°43'15.90462"	23°25'05.20127"
P-310	16	82°54'33.78434"	23°22'02.30156"	P-360	19	82°43'12.90015"	23°24'59.38115"
P-311	16	82°54'27.40310"	23°21'59.82368"	P-361	19	82°43'10.12671"	23°24'53.58353"
P-312	16	82°54'20.96735"	23°22'01.00476"	P-362	19	82°43'07.78886"	23°24'47.58689"
P-313	16	82°54'14.05230"	23°22'02.03879"	P-363	19	82°43'04.76144"	23°24'42.17225"
P-314	16	82°54'07.27898"	23°22'02.09788"	P-364	19	82°42'58.38364"	23°24'44.25010"
P-315	16	82°54'00.82299"	23°22'04.56687"	P-365	19	82°42'55.84568"	23°24'50.16506"
P-316	16	82°53'56.06170"	23°22'09.27433"	P-366	19	82°42'50.30681"	23°24'53.03860"
P-317	16	82°53'49.68001"	23°22'11.98090"	P-367	19	82°42'44.01891"	23°24'55.88660"
P-318	16	82°53'43.19671"	23°22'14.51697"	P-368	19	82°42'37.06141"	23°24'56.21616"
P-319	16	82°53'42.74744"	23°22'14.67366"	P-369	19	82°42'30.10665"	23°24'57.02556"
P-320	16	82°51'26.03989"	23°21'54.42219"	P-370	19	82°42'27.43326"	23°24'51.99167"
P-321	16	82°51'30.22633"	23°21'49.19684"	P-371	19	82°43'24.55227"	23°24'46.28513"
P-322	16	82°51'30.96912"	23°21'48.21509"	P-372	19	82°43'21.78868"	23°24'47.64961"
P-323	16	82°54'58.39857"	23°22'05.30086"	P-373	19	82°43'43.65522"	23°24'44.49913"
P-324	16	82°54'53.34542"	23°22'05.37796"	P-374	19	82°43'38.43862"	23°24'44.75927"
P-325	16	82°54'59.35138"	23°22'05.29566"	P-375	19	82°42'21.69318"	23°24'41.93948"
P-326	16	82°54'58.39857"	23°22'05.30086"	P-376	19	82°42'20.93214"	23°24'39.38618"
P-327	16	82°51'23.27167"	23°20'49.83269"	P-377	19	82°42'20.93214"	23°24'39.38618"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-328	16	82°51'17.96271"	23°20'50.67539"	P-378	19	82°42'19.23983"	23°24'35.83968"
P-329	17	82°47'26.60993"	23°25'29.26033"	P-379	19	82°42'23.16753"	23°24'47.65547"
P-330	17	82°47'33.02011"	23°25'26.64400"	P-380	19	82°42'22.85761"	23°24'46.34105"
P-331	17	82°47'39.14416"	23°25'23.46910"	P-381	19	82°42'22.85754"	23°24'46.34060"
P-332	17	82°47'40.97795"	23°25'18.02313"	P-382	19	82°42'21.69318"	23°24'41.93948"
P-333	17	82°47'44.87270"	23°25'13.07554"	P-383	20	82°42'09.93006"	23°26'19.04157"
P-334	17	82°47'48.92970"	23°25'08.32810"	P-384	20	82°42'11.54972"	23°26'24.72170"
P-335	17	82°47'50.03271"	23°25'01.91169"	P-385	20	82°42'12.80227"	23°26'28.22114"
P-336	17	82°47'53.36914"	23°24'56.52230"	P-386	20	82°42'12.16205"	23°26'34.60675"
P-337	17	82°47'55.70614"	23°24'50.96273"	P-387	20	82°42'11.85878"	23°26'41.08984"
P-338	17	82°47'57.60391"	23°24'44.73881"	P-388	20	82°42'11.71400"	23°26'47.56825"
P-339	17	82°47'58.39166"	23°24'38.41135"	P-389	20	82°42'11.61461"	23°26'53.90643"
P-340	17	82°47'58.32144"	23°24'31.95829"	P-390	20	82°42'10.19520"	23°26'58.84269"
P-341	17	82°47'57.50116"	23°24'25.53972"	P-391	20	82°42'00.59147"	23°26'00.50349"
P-342	17	82°47'55.95612"	23°24'19.27018"	P-392	20	82°42'05.22025"	23°26'03.46951"
P-343	17	82°47'58.22481"	23°24'14.24981"	P-393	20	82°42'09.02822"	23°26'07.29490"
P-344	17	82°48'02.66025"	23°24'09.83284"	P-394	20	82°42'11.62010"	23°26'10.75973"
P-345	17	82°48'03.00805"	23°24'08.96038"	P-395	20	82°42'09.86330"	23°26'15.24527"
P-346	17	82°47'13.55925"	23°25'48.87412"	P-396	20	82°42'09.93006"	23°26'19.04157"
P-347	17	82°47'16.21777"	23°25'43.12668"	P-397	20	82°42'53.67050"	23°27'08.34015"
P-348	17	82°47'20.08224"	23°25'37.69243"	P-398	20	82°42'55.16260"	23°27'07.75606"
P-349	17	82°47'23.38977"	23°25'31.95660"	P-399	20	82°42'39.97297"	23°27'13.33769"
P-350	17	82°47'26.60993"	23°25'29.26033"	P-400	20	82°42'40.42297"	23°27'12.97144"
P-401	21	82°45'55.89496"	23°27'43.35087"	P-451	23	82°46'56.83172"	23°32'13.03576"
P-402	21	82°45'58.78541"	23°27'37.42661"	P-452	23	82°47'03.03355"	23°32'10.44733"
P-403	21	82°45'58.47731"	23°27'31.09463"	P-453	23	82°47'09.62697"	23°32'09.74797"
P-404	21	82°45'59.77459"	23°27'24.78859"	P-454	23	82°47'14.41800"	23°32'08.29272"
P-405	21	82°46'04.53263"	23°27'20.01581"	P-455	23	82°47'18.20630"	23°32'03.03909"
P-406	21	82°46'06.21613"	23°27'18.49199"	P-456	23	82°47'24.72170"	23°32'00.80363"
P-407	21	82°45'53.17854"	23°27'56.66295"	P-457	23	82°47'30.16122"	23°31'58.43055"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-408	21	82°45'55.87456"	23°27'50.73558"	P-458	23	82°47'33.36921"	23°31'52.71051"
P-409	21	82°45'55.47657"	23°27'44.40118"	P-459	23	82°47'35.95897"	23°31'46.68927"
P-410	21	82°45'55.89496"	23°27'43.35087"	P-460	23	82°47'36.07696"	23°31'40.92446"
P-411	22	82°44'45.93441"	23°28'56.89450"	P-461	23	82°46'23.24384"	23°33'42.72773"
P-412	22	82°44'50.27960"	23°29'01.91346"	P-462	23	82°46'19.58632"	23°33'37.28981"
P-413	22	82°44'53.67750"	23°29'07.54478"	P-463	23	82°46'15.66072"	23°33'31.89067"
P-414	22	82°44'56.12963"	23°29'13.35141"	P-464	23	82°46'12.04442"	23°33'26.34472"
P-415	22	82°44'55.79169"	23°29'17.12203"	P-465	23	82°46'09.45816"	23°33'20.38019"
P-416	22	82°45'11.04860"	23°29'28.98107"	P-466	23	82°46'12.15406"	23°33'15.52487"
P-417	22	82°45'13.18759"	23°29'35.11306"	P-467	23	82°46'14.80460"	23°33'09.55510"
P-418	22	82°45'18.79786"	23°29'38.12349"	P-468	23	82°46'17.46749"	23°33'03.55341"
P-419	22	82°45'25.69367"	23°29'37.91475"	P-469	23	82°46'22.13745"	23°32'59.33173"
P-420	22	82°45'32.72730"	23°29'37.51618"	P-470	23	82°46'24.15386"	23°32'55.18505"
P-421	22	82°45'35.27670"	23°29'37.39833"	P-471	23	82°46'24.15386"	23°32'55.18505"
P-422	23	82°48'02.91640"	23°30'22.89201"	P-472	23	82°46'28.89531"	23°32'50.38922"
P-423	23	82°48'03.11485"	23°30'16.80920"	P-473	23	82°46'31.79448"	23°32'44.90119"
P-424	23	82°48'06.61469"	23°30'12.35071"	P-474	23	82°46'29.34144"	23°32'38.93357"
P-425	23	82°47'36.07696"	23°31'40.92446"	P-475	23	82°46'24.66218"	23°32'34.10164"
P-426	23	82°47'38.87865"	23°31'35.05358"	P-476	23	82°46'21.12210"	23°32'28.64959"
P-427	23	82°47'42.05164"	23°31'29.25459"	P-477	23	82°46'19.88088"	23°32'22.58407"
P-428	23	82°47'43.82646"	23°31'22.97857"	P-478	23	82°46'19.57495"	23°32'17.11138"
P-429	23	82°47'44.57081"	23°31'16.59022"	P-479	23	82°46'19.90133"	23°32'16.74200"
P-430	23	82°47'42.23076"	23°31'10.47558"	P-480	23	82°46'36.34592"	23°30'27.57198"
P-431	23	82°47'38.61776"	23°31'04.90096"	P-481	23	82°46'35.96433"	23°30'26.41104"
P-432	23	82°47'36.71166"	23°31'01.52006"	P-482	23	82°46'08.87277"	23°30'03.04661"
P-433	23	82°47'39.13159"	23°30'55.53069"	P-483	23	82°46'14.04789"	23°30'07.45480"
P-434	23	82°47'42.94998"	23°30'50.07759"	P-484	23	82°46'19.96247"	23°30'10.97769"
P-435	23	82°47'44.48478"	23°30'47.03669"	P-485	23	82°46'23.97857"	23°30'15.72953"
P-436	23	82°47'44.48478"	23°30'47.03669"	P-486	23	82°46'08.87277"	23°30'03.04661"
P-437	23	82°47'44.73644"	23°30'40.59884"	P-487	23	82°46'14.04789"	23°30'07.45480"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-438	23	82°47'43.92930"	23°30'34.14194"	P-488	23	82°46'19.96247"	23°30'10.97769"
P-439	23	82°47'45.84740"	23°30'28.03035"	P-489	23	82°46'23.97857"	23°30'15.72953"
P-440	23	82°47'51.10781"	23°30'23.86657"	P-490	23	82°47'05.11293"	23°30'36.42548"
P-441	23	82°47'57.85101"	23°30'24.30733"	P-491	23	82°47'11.28240"	23°30'38.09938"
P-442	23	82°48'02.91640"	23°30'22.89201"	P-492	23	82°47'18.22699"	23°30'38.55167"
P-443	23	82°46'35.96433"	23°30'26.41104"	P-493	23	82°47'24.58650"	23°30'41.34445"
P-444	23	82°46'36.34592"	23°30'27.57198"	P-494	23	82°47'30.45752"	23°30'44.60735"
P-445	23	82°46'19.90133"	23°32'16.74200"	P-495	23	82°47'32.69653"	23°30'50.71286"
P-446	23	82°46'26.34094"	23°32'18.19921"	P-496	23	82°47'33.93628"	23°30'57.10541"
P-447	23	82°46'32.68789"	23°32'19.88935"	P-497	23	82°47'34.58514"	23°31'00.62350"
P-448	23	82°46'39.44598"	23°32'18.34511"	P-498	23	82°47'05.11293"	23°30'36.42548"
P-449	23	82°46'46.28855"	23°32'17.79708"	P-499	23	82°47'11.28240"	23°30'38.09938"
P-450	23	82°46'52.75661"	23°32'16.36708"	P-500	23	82°47'18.22699"	23°30'38.55167"
P-501	23	82°47'24.58650"	23°30'41.34445"	P-551	24	82°45'56.41426"	23°36'46.52305"
P-502	23	82°47'30.45752"	23°30'44.60735"	P-552	24	82°45'53.68730"	23°36'40.58041"
P-503	23	82°47'32.69653"	23°30'50.71286"	P-553	24	82°45'49.37995"	23°36'36.21561"
P-504	23	82°47'33.93628"	23°30'57.10541"	P-554	24	82°45'46.22509"	23°36'30.47413"
P-505	23	82°47'34.58514"	23°31'00.62350"	P-555	24	82°45'44.55582"	23°36'24.71860"
P-506	23	82°46'45.58588"	23°30'33.17895"	P-556	24	82°45'39.44822"	23°36'15.93825"
P-507	23	82°46'49.66216"	23°30'36.09704"	P-557	24	82°45'38.46398"	23°36'09.85031"
P-508	23	82°46'56.55243"	23°30'35.94500"	P-558	24	82°45'37.84018"	23°36'00.76817"
P-509	23	82°47'03.53003"	23°30'36.28422"	P-559	24	82°45'38.04759"	23°35'59.70544"
P-510	23	82°47'05.11293"	23°30'36.42548"	P-560	24	82°45'24.62004"	23°39'00.60817"
P-511	23	82°46'45.58588"	23°30'33.17895"	P-561	24	82°45'24.40137"	23°38'54.42566"
P-512	23	82°46'49.66216"	23°30'36.09704"	P-562	24	82°45'24.30947"	23°38'48.06920"
P-513	23	82°46'56.55243"	23°30'35.94500"	P-563	24	82°45'24.42579"	23°38'41.72148"
P-514	23	82°47'03.53003"	23°30'36.28422"	P-564	24	82°45'26.28921"	23°38'35.45525"
P-515	23	82°47'05.11293"	23°30'36.42548"	P-565	24	82°45'28.27135"	23°38'29.22085"
P-516	23	82°47'34.58514"	23°31'00.62350"	P-566	24	82°45'29.38680"	23°38'22.80587"
P-517	23	82°47'36.52503"	23°31'01.92564"	P-567	24	82°45'30.94621"	23°38'16.48867"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-518	23	82°46'36.34592"	23°30'27.57198"	P-568	24	82°45'31.73244"	23°38'10.03977"
P-519	23	82°46'41.77661"	23°30'31.31394"	P-569	24	82°45'35.04372"	23°38'04.35145"
P-520	23	82°46'25.61283"	23°30'17.73946"	P-570	24	82°45'38.22082"	23°37'58.55199"
P-521	23	82°46'30.03751"	23°30'22.79200"	P-571	24	82°45'37.08774"	23°37'52.16203"
P-522	23	82°46'35.90995"	23°30'26.34519"	P-572	24	82°45'37.15302"	23°37'50.17566"
P-523	23	82°46'35.96433"	23°30'26.41104"	P-573	24	82°45'17.73465"	23°39'47.71095"
P-524	23	82°46'36.34592"	23°30'27.57198"	P-574	24	82°45'14.12637"	23°39'42.43680"
P-525	23	82°46'41.77661"	23°30'31.31394"	P-575	24	82°45'14.13870"	23°39'42.32574"
P-526	23	82°46'25.61283"	23°30'17.73946"	P-576	24	82°45'11.62418"	23°39'27.74999"
P-527	23	82°46'30.03751"	23°30'22.79200"	P-577	24	82°45'12.04046"	23°39'22.08822"
P-528	23	82°46'35.90995"	23°30'26.34519"	P-578	24	82°45'15.60963"	23°39'16.48549"
P-529	23	82°46'35.96433"	23°30'26.41104"	P-579	24	82°45'19.88766"	23°39'11.32101"
P-530	24	82°46'38.47859"	23°34'00.50921"	P-580	24	82°45'23.94977"	23°39'06.04674"
P-531	24	82°46'33.75502"	23°34'02.11241"	P-581	24	82°45'24.62004"	23°39'00.60817"
P-532	24	82°46'33.76986"	23°34'01.92490"	P-582	24	82°45'26.82271"	23°35'36.62547"
P-533	24	82°45'13.47049"	23°39'38.26278"	P-583	24	82°45'20.56365"	23°35'33.63212"
P-534	24	82°45'13.66243"	23°39'32.05448"	P-584	24	82°45'14.33534"	23°35'30.58172"
P-535	24	82°45'11.62418"	23°39'27.74999"	P-585	24	82°45'08.26128"	23°35'27.32179"
P-536	24	82°45'37.15302"	23°37'50.17566"	P-586	24	82°45'02.91247"	23°35'23.11699"
P-537	24	82°45'37.26796"	23°37'44.05510"	P-587	24	82°45'00.19944"	23°35'17.28668"
P-538	24	82°45'35.68680"	23°37'37.89096"	P-588	24	82°45'02.53815"	23°35'11.17813"
P-539	24	82°45'38.39664"	23°37'32.02581"	P-589	24	82°45'06.10454"	23°35'05.70219"
P-540	24	82°45'38.40628"	23°37'25.71641"	P-590	24	82°45'08.31375"	23°35'02.32287"
P-541	24	82°45'40.05473"	23°37'19.50393"	P-591	24	82°45'38.04759"	23°35'59.70544"
P-542	24	82°45'40.78632"	23°37'13.04884"	P-592	24	82°45'40.47353"	23°35'54.22805"
P-543	24	82°45'43.27795"	23°37'07.02934"	P-593	24	82°45'39.36341"	23°35'48.10021"
P-544	24	82°45'46.32475"	23°37'01.79418"	P-594	24	82°45'39.18491"	23°35'41.77296"
P-545	24	82°45'36.75478"	23°36'06.37495"	P-595	24	82°45'39.31259"	23°35'36.44165"
P-546	24	82°45'29.82252"	23°35'37.94754"	P-596	24	82°45'32.73012"	23°35'38.33640"
P-547	24	82°45'26.82271"	23°35'36.62547"	P-597	24	82°45'39.99017"	23°34'34.54392"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-548	24	82°45'47.16038"	23°37'01.40782"	P-598	24	82°45'14.13870"	23°39'42.32574"
P-549	24	82°45'52.72858"	23°36'57.44132"	P-599	24	82°45'13.47049"	23°39'38.26278"
P-550	24	82°45'57.29097"	23°36'52.64367"	P-600	24	82°46'06.70179"	23°34'39.06976"
P-601	24	82°46'11.75754"	23°34'34.63085"	P-651	24	82°45'01.02493"	23°41'23.97562"
P-602	24	82°46'27.55717"	23°34'26.54988"	P-652	24	82°45'04.19108"	23°41'18.22375"
P-603	24	82°46'44.54865"	23°34'25.50957"	P-653	24	82°45'07.59973"	23°41'12.70170"
P-604	24	82°46'52.41779"	23°34'24.36467"	P-654	24	82°45'06.87282"	23°41'07.00951"
P-605	24	82°46'58.83018"	23°34'22.87388"	P-655	24	82°45'11.50814"	23°41'02.16343"
P-606	24	82°46'55.26857"	23°34'18.84354"	P-656	24	82°45'21.68662"	23°40'42.97053"
P-607	24	82°46'49.01535"	23°34'16.14552"	P-657	24	82°45'22.37168"	23°40'36.50055"
P-608	24	82°46'42.78193"	23°34'13.84500"	P-658	24	82°45'22.73407"	23°40'30.05541"
P-609	24	82°46'36.03101"	23°34'13.91259"	P-659	24	82°45'22.20549"	23°40'23.65170"
P-610	24	82°46'32.64445"	23°34'08.28602"	P-660	24	82°45'19.92739"	23°40'18.61537"
P-611	24	82°46'33.63086"	23°34'02.81276"	P-661	24	82°46'33.64419"	23°34'02.78954"
P-612	24	82°45'08.31375"	23°35'02.32287"	P-662	24	82°46'33.64419"	23°34'02.78954"
P-613	24	82°45'13.68205"	23°34'58.10805"	P-663	24	82°44'06.71487"	23°39'05.12144"
P-614	24	82°45'18.88375"	23°34'53.71872"	P-664	24	82°44'02.80741"	23°38'59.78700"
P-615	24	82°45'23.98176"	23°34'49.22776"	P-665	24	82°43'59.71621"	23°38'53.95301"
P-616	24	82°45'29.57905"	23°34'45.30494"	P-666	24	82°43'55.03533"	23°38'49.62362"
P-617	24	82°45'33.37984"	23°34'39.85084"	P-667	24	82°43'50.43583"	23°38'48.81925"
P-618	24	82°45'37.97001"	23°34'35.04329"	P-668	24	82°44'06.71487"	23°39'05.12144"
P-619	24	82°45'39.78898"	23°34'34.53646"	P-669	24	82°44'02.80741"	23°38'59.78700"
P-620	24	82°45'39.99017"	23°34'34.54392"	P-670	24	82°43'59.71621"	23°38'53.95301"
P-621	24	82°45'46.85812"	23°34'35.64059"	P-671	24	82°43'55.03533"	23°38'49.62362"
P-622	24	82°45'53.00930"	23°34'38.59219"	P-672	24	82°43'50.43583"	23°38'48.81925"
P-623	24	82°45'59.40223"	23°34'41.24440"	P-673	24	82°44'26.49609"	23°39'25.11318"
P-624	24	82°46'06.08508"	23°34'39.41133"	P-674	24	82°44'22.87044"	23°39'19.53764"
P-625	24	82°46'19.10211"	23°34'30.84651"	P-675	24	82°44'17.78395"	23°39'15.07983"
P-626	24	82°46'33.83625"	23°34'28.66804"	P-676	24	82°44'13.07654"	23°39'10.26861"
P-627	24	82°46'40.22088"	23°34'30.52579"	P-677	24	82°44'07.77334"	23°39'05.98956"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-628	24	82°46'43.89208"	23°34'28.63313"	P-678	24	82°44'06.71487"	23°39'05.12144"
P-629	24	82°46'54.25925"	23°34'27.03036"	P-679	24	82°44'26.49609"	23°39'25.11318"
P-630	24	82°47'00.83815"	23°34'28.18192"	P-680	24	82°44'22.87044"	23°39'19.53764"
P-631	24	82°46'59.24954"	23°34'24.81749"	P-681	24	82°44'17.78395"	23°39'15.07983"
P-632	24	82°46'49.38206"	23°34'26.70170"	P-682	24	82°44'13.07654"	23°39'10.26861"
P-633	24	82°47'01.03714"	23°34'25.44438"	P-683	24	82°44'07.77334"	23°39'05.98956"
P-634	24	82°47'00.26314"	23°34'22.76576"	P-684	24	82°44'06.71487"	23°39'05.12144"
P-635	24	82°45'19.92739"	23°40'18.61537"	P-685	24	82°45'17.50656"	23°39'47.77736"
P-636	24	82°45'16.55187"	23°40'13.01081"	P-686	24	82°45'11.65799"	23°39'44.28772"
P-637	24	82°45'20.41220"	23°40'07.76062"	P-687	24	82°45'06.02852"	23°39'40.40779"
P-638	24	82°45'21.78167"	23°40'01.43411"	P-688	24	82°44'59.53530"	23°39'38.01999"
P-639	24	82°45'20.97924"	23°39'55.03680"	P-689	24	82°44'52.64434"	23°39'36.67879"
P-640	24	82°45'18.91254"	23°39'48.91619"	P-690	24	82°44'35.95939"	23°39'38.88953"
P-641	24	82°45'17.50656"	23°39'47.77736"	P-691	24	82°44'26.91553"	23°39'25.84500"
P-642	24	82°45'14.17462"	23°40'59.75288"	P-692	24	82°44'26.49609"	23°39'25.11318"
P-643	24	82°45'19.27109"	23°40'55.25787"	P-693	24	82°45'17.50656"	23°39'47.77736"
P-644	24	82°45'20.58799"	23°40'49.01159"	P-694	24	82°45'11.65799"	23°39'44.28772"
P-645	24	82°45'20.89367"	23°40'45.98874"	P-695	24	82°45'06.02852"	23°39'40.40779"
P-646	24	82°44'36.62188"	23°41'46.62201"	P-696	24	82°44'59.53530"	23°39'38.01999"
P-647	24	82°44'42.35802"	23°41'42.84056"	P-697	24	82°44'52.64434"	23°39'36.67879"
P-648	24	82°44'47.22797"	23°41'38.22342"	P-698	24	82°44'35.95939"	23°39'38.88953"
P-649	24	82°44'52.65977"	23°41'34.09991"	P-699	24	82°44'26.91553"	23°39'25.84500"
P-650	24	82°44'56.72456"	23°41'28.91866"	P-700	24	82°44'26.49609"	23°39'25.11318"
P-701	24	82°44'47.22268"	23°39'37.52740"	P-751	26	82°41'55.64269"	23°46'01.40343"
P-702	24	82°44'40.25556"	23°39'38.56474"	P-752	26	82°42'36.08280"	23°46'04.16116"
P-703	24	82°44'31.24634"	23°39'34.78031"	P-753	26	82°42'45.28662"	23°45'55.33849"
P-704	24	82°44'28.74746"	23°39'29.89978"	P-754	26	82°43'10.72647"	23°45'35.55890"
P-705	24	82°44'47.22268"	23°39'37.52740"	P-755	26	82°43'06.14672"	23°45'40.30327"
P-706	24	82°44'40.25556"	23°39'38.56474"	P-756	26	82°42'59.48670"	23°45'41.85109"
P-707	24	82°44'31.24634"	23°39'34.78031"	P-757	26	82°42'56.71467"	23°45'47.78426"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-708	24	82°44'28.74746"	23°39'29.89978"	P-758	26	82°42'55.92521"	23°45'49.63180"
P-709	24	82°44'31.68178"	23°41'48.56970"	P-759	26	82°41'49.39956"	23°45'40.22817"
P-710	24	82°44'33.94870"	23°41'47.78406"	P-760	26	82°41'45.71335"	23°45'34.94746"
P-711	24	82°44'18.96648"	23°41'51.16218"	P-761	26	82°42'26.97203"	23°46'04.95256"
P-712	24	82°44'22.45158"	23°41'48.70269"	P-762	26	82°42'22.33271"	23°46'06.21013"
P-713	24	82°44'11.70341"	23°41'59.57605"	P-763	26	82°42'15.80772"	23°46'43.69256"
P-714	24	82°44'16.45500"	23°41'54.87395"	P-764	26	82°42'12.68145"	23°46'37.86342"
P-715	24	82°44'18.96648"	23°41'51.16218"	P-765	26	82°42'09.55243"	23°46'32.03792"
P-716	24	82°43'27.43621"	23°38'40.50205"	P-766	26	82°42'06.81085"	23°46'26.05229"
P-717	24	82°43'27.43621"	23°38'40.50205"	P-767	26	82°42'03.94605"	23°46'20.11291"
P-718	24	82°43'48.73423"	23°38'48.43491"	P-768	26	82°42'01.01845"	23°46'14.20130"
P-719	24	82°43'48.73423"	23°38'48.43491"	P-769	26	82°42'01.89876"	23°46'10.59195"
P-720	25	82°42'16.26710"	23°43'13.17745"	P-770	26	82°42'08.05863"	23°46'10.15883"
P-721	25	82°42'22.56428"	23°43'14.81540"	P-771	26	82°42'28.91737"	23°46'04.81752"
P-722	25	82°42'28.06766"	23°43'17.17176"	P-772	26	82°42'35.96302"	23°46'04.42043"
P-723	25	82°42'28.06766"	23°43'17.17176"	P-773	26	82°42'58.13978"	23°45'45.38555"
P-724	25	82°42'32.72511"	23°43'17.30324"	P-774	26	82°43'02.52116"	23°45'41.41836"
P-725	25	82°42'38.46556"	23°43'16.14515"	P-775	26	82°43'08.25972"	23°45'38.44907"
P-726	25	82°42'43.01716"	23°43'11.20854"	P-776	26	82°43'13.03459"	23°45'35.80657"
P-727	25	82°42'45.95945"	23°43'05.31657"	P-777	26	82°43'13.82063"	23°45'37.04715"
P-728	25	82°42'50.75648"	23°43'00.76422"	P-778	26	82°42'22.29471"	23°46'06.48626"
P-729	25	82°43'24.34802"	23°42'27.79985"	P-779	26	82°42'27.22151"	23°46'05.14807"
P-730	25	82°43'27.18288"	23°42'21.86514"	P-780	26	82°43'22.96828"	23°45'44.78711"
P-731	25	82°43'31.36417"	23°42'16.71962"	P-781	26	82°43'22.21378"	23°45'45.10156"
P-732	25	82°43'37.39496"	23°42'14.43388"	P-782	26	82°43'25.78052"	23°45'44.37987"
P-733	25	82°43'43.72295"	23°42'12.58960"	P-783	26	82°43'25.96710"	23°45'44.56021"
P-734	25	82°43'45.11740"	23°42'12.91397"	P-784	26	82°43'27.15601"	23°45'43.73271"
P-735	25	82°42'33.93602"	23°43'19.17216"	P-785	26	82°43'26.78821"	23°45'44.18742"
P-736	25	82°42'58.60741"	23°42'53.00014"	P-786	26	82°43'28.80420"	23°45'43.33908"
P-737	25	82°43'03.16327"	23°42'48.18806"	P-787	26	82°43'28.68887"	23°45'43.11443"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-738	25	82°43'08.76907"	23°42'44.86659"	P-788	26	82°41'50.11136"	23°45'42.97217"
P-739	25	82°43'14.26248"	23°42'40.93912"	P-789	26	82°41'49.56093"	23°45'40.79848"
P-740	25	82°43'18.89204"	23°42'36.05018"	P-790	26	82°41'49.56093"	23°45'40.79848"
P-741	25	82°43'23.07295"	23°42'30.87201"	P-791	26	82°41'49.39960"	23°45'40.22831"
P-742	25	82°43'23.82920"	23°42'29.06415"	P-792	26	82°41'51.64869"	23°45'46.99946"
P-743	25	82°41'22.07884"	23°43'22.93081"	P-793	26	82°41'51.28674"	23°45'46.19211"
P-744	25	82°42'02.33235"	23°43'17.67185"	P-794	26	82°41'53.18536"	23°45'50.04974"
P-745	25	82°42'08.09920"	23°43'15.51924"	P-795	26	82°41'52.80998"	23°45'49.31866"
P-746	25	82°42'13.22384"	23°43'11.39290"	P-796	26	82°41'53.98629"	23°45'52.22924"
P-747	25	82°42'16.26710"	23°43'13.17745"	P-797	26	82°41'53.39152"	23°45'50.48876"
P-748	26	82°41'59.05764"	23°46'10.81301"	P-798	26	82°41'55.39994"	23°46'00.81091"
P-749	26	82°42'01.05104"	23°46'10.38317"	P-799	26	82°41'55.23407"	23°46'00.40602"
P-750	26	82°41'57.37707"	23°46'06.83630"	P-800	27	82°36'06.53495"	23°45'58.96840"
P-801	27	82°36'04.98202"	23°45'53.32229"	P-851	29	82°37'03.28100"	23°47'36.17732"
P-802	27	82°36'03.74292"	23°45'46.94627"	P-852	29	82°36'56.84405"	23°47'38.60500"
P-803	27	82°36'04.30122"	23°45'40.47590"	P-853	29	82°36'50.80975"	23°47'36.17060"
P-804	27	82°36'03.66953"	23°45'34.08373"	P-854	29	82°36'44.28035"	23°47'34.08373"
P-805	27	82°36'01.14686"	23°45'28.05179"	P-855	29	82°36'37.65077"	23°47'32.15731"
P-806	27	82°36'01.99620"	23°45'22.01686"	P-856	29	82°36'33.04306"	23°47'32.56736"
P-807	27	82°36'03.79550"	23°45'19.96735"	P-857	29	82°38'03.93849"	23°48'14.26481"
P-808	28	82°36'26.76189"	23°46'21.10723"	P-858	29	82°38'03.47835"	23°48'13.60570"
P-809	28	82°36'21.16863"	23°46'17.56350"	P-859	29	82°38'06.14582"	23°48'17.16195"
P-810	28	82°36'06.53495"	23°45'58.96840"	P-860	29	82°38'03.93849"	23°48'14.26481"
P-811	28	82°37'21.42650"	23°46'38.36649"	P-861	29	82°38'00.23293"	23°48'09.50552"
P-812	28	82°37'15.37675"	23°46'35.84575"	P-862	29	82°37'59.56003"	23°48'07.96789"
P-813	28	82°37'08.93515"	23°46'33.96624"	P-863	29	82°38'03.16374"	23°48'13.18171"
P-814	28	82°37'01.95252"	23°46'33.11681"	P-864	29	82°38'00.23293"	23°48'09.50552"
P-815	28	82°36'55.17378"	23°46'31.44823"	P-865	30	82°38'41.10157"	23°48'35.35411"
P-816	28	82°36'48.39913"	23°46'32.10373"	P-866	30	82°38'14.69009"	23°48'34.14385"
P-817	28	82°36'41.40178"	23°46'32.74850"	P-867	30	82°38'14.97167"	23°48'34.60096"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-818	28	82°36'34.60546"	23°46'31.20575"	P-868	30	82°38'41.10157"	23°48'35.35411"
P-819	28	82°36'28.71570"	23°46'27.72585"	P-869	30	82°38'14.84133"	23°48'34.49532"
P-820	28	82°36'26.96776"	23°46'21.77760"	P-870	30	82°38'14.89309"	23°48'34.62874"
P-821	28	82°36'26.76189"	23°46'21.10723"	P-871	30	82°38'47.31324"	23°48'00.60878"
P-822	28	82°38'53.66630"	23°47'11.30874"	P-872	30	82°38'42.66811"	23°47'55.75236"
P-823	28	82°38'51.69063"	23°47'05.25278"	P-873	30	82°38'37.11883"	23°47'51.82753"
P-824	28	82°38'45.19377"	23°47'02.76296"	P-874	30	82°38'34.97263"	23°47'46.22152"
P-825	28	82°38'38.89040"	23°46'59.84073"	P-875	30	82°38'39.25196"	23°47'41.20160"
P-826	28	82°38'33.92832"	23°46'55.47902"	P-876	30	82°38'45.34675"	23°47'38.11911"
P-827	28	82°38'27.79676"	23°46'52.49977"	P-877	30	82°38'48.43630"	23°47'32.65163"
P-828	28	82°38'20.88279"	23°46'51.86395"	P-878	30	82°38'51.84797"	23°47'27.03903"
P-829	28	82°38'13.92282"	23°46'52.48812"	P-879	30	82°39'00.88660"	23°47'21.52070"
P-830	28	82°38'07.59622"	23°46'49.78687"	P-880	30	82°38'44.84671"	23°48'30.97774"
P-831	28	82°38'00.87874"	23°46'48.17408"	P-881	30	82°38'43.60327"	23°48'24.67455"
P-832	28	82°37'53.94128"	23°46'47.64809"	P-882	30	82°38'47.85691"	23°48'19.61137"
P-833	28	82°37'49.22914"	23°46'43.39789"	P-883	30	82°38'52.64262"	23°48'15.07940"
P-834	28	82°37'25.09000"	23°46'40.23760"	P-884	30	82°38'51.46820"	23°48'08.72086"
P-835	28	82°37'21.42650"	23°46'38.36649"	P-885	30	82°38'48.95853"	23°48'02.74571"
P-836	28	82°37'48.96347"	23°46'42.92257"	P-886	30	82°38'47.31324"	23°48'00.60878"
P-837	28	82°37'44.39683"	23°46'38.95200"	P-887	30	82°38'14.71022"	23°48'34.12407"
P-838	28	82°37'37.34205"	23°46'39.11505"	P-888	30	82°38'15.97373"	23°48'34.27460"
P-839	28	82°37'30.63768"	23°46'38.84930"	P-889	30	82°38'10.89583"	23°49'10.25733"
P-840	29	82°37'59.56003"	23°48'07.96789"	P-890	30	82°38'11.56730"	23°49'03.84018"
P-841	29	82°37'56.49127"	23°48'02.15275"	P-891	30	82°38'06.82019"	23°48'52.08426"
P-842	29	82°37'53.08591"	23°47'56.60449"	P-892	30	82°38'04.24099"	23°48'46.20646"
P-843	29	82°37'52.25049"	23°47'50.21418"	P-893	30	82°38'01.07472"	23°48'40.44284"
P-844	29	82°37'47.54923"	23°47'45.49604"	P-894	30	82°38'05.82087"	23°48'36.73739"
P-845	29	82°37'43.14237"	23°47'40.55159"	P-895	30	82°38'12.74794"	23°48'35.52777"
P-846	29	82°37'36.63461"	23°47'38.96310"	P-896	30	82°38'14.65438"	23°48'34.11318"
P-847	29	82°37'29.67480"	23°47'38.22224"	P-897	30	82°38'14.97167"	23°48'34.60096"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-848	29	82°37'22.83305"	23°47'37.11824"	P-898	30	82°38'21.57196"	23°48'36.47308"
P-849	29	82°37'15.90361"	23°47'38.07652"	P-899	30	82°38'28.61387"	23°48'36.68708"
P-850	29	82°37'10.15135"	23°47'34.89435"	P-900	30	82°38'35.59980"	23°48'35.91602"
P-901	30	82°38'41.10157"	23°48'35.35411"	P-951	34	82°38'48.76112"	23°50'31.70169"
P-902	30	82°38'14.97167"	23°48'34.60096"	P-952	34	82°38'47.44664"	23°50'31.83509"
P-903	30	82°38'21.57196"	23°48'36.47308"	P-953	34	82°38'45.57755"	23°50'31.48630"
P-904	30	82°38'28.61387"	23°48'36.68708"	P-954	34	82°38'44.10859"	23°50'31.03818"
P-905	30	82°38'35.59980"	23°48'35.91602"	P-955	34	82°38'44.10859"	23°50'31.03818"
P-906	30	82°38'41.10157"	23°48'35.35411"	P-956	34	82°38'42.48843"	23°50'30.51232"
P-907	31	82°38'52.44996"	23°48'39.64847"	P-957	34	82°38'35.26176"	23°50'22.79464"
P-908	31	82°38'58.96282"	23°48'41.68746"	P-958	34	82°38'34.18280"	23°50'21.81903"
P-909	31	82°39'04.56366"	23°48'45.28692"	P-959	34	82°40'04.53780"	23°50'31.45893"
P-910	31	82°39'11.31290"	23°48'44.03947"	P-960	34	82°40'00.40378"	23°50'29.59162"
P-911	31	82°39'18.36936"	23°48'43.91295"	P-961	34	82°39'54.38724"	23°50'26.09431"
P-912	31	82°39'25.15290"	23°48'42.42244"	P-962	34	82°39'50.71057"	23°50'26.35996"
P-913	31	82°39'32.05599"	23°48'41.61532"	P-963	34	82°40'46.93793"	23°51'21.41492"
P-914	31	82°39'37.99562"	23°48'38.47561"	P-964	34	82°40'51.42221"	23°51'26.40026"
P-915	31	82°39'42.14322"	23°48'34.04033"	P-965	34	82°40'55.42283"	23°51'29.41316"
P-916	31	82°39'46.05930"	23°48'29.64928"	P-966	34	82°40'46.93793"	23°51'21.41492"
P-917	31	82°39'52.36985"	23°48'28.11713"	P-967	34	82°40'43.91080"	23°51'16.94227"
P-918	31	82°41'24.94684"	23°51'44.03607"	P-968	34	82°40'43.91080"	23°51'16.94227"
P-919	31	82°41'23.81442"	23°51'44.65854"	P-969	34	82°40'43.25549"	23°51'15.80990"
P-920	31	82°41'23.81442"	23°51'44.65854"	P-970	34	82°40'25.61502"	23°51'00.72057"
P-921	31	82°41'22.75683"	23°51'44.92549"	P-971	34	82°40'24.63133"	23°50'59.72290"
P-922	32	82°40'21.23559"	23°48'29.87492"	P-972	34	82°40'24.63133"	23°50'59.72290"
P-923	32	82°40'28.02179"	23°48'31.17018"	P-973	34	82°40'22.18415"	23°50'57.96886"
P-924	32	82°40'33.40882"	23°48'34.54725"	P-974	35	82°41'12.90336"	23°53'24.67866"
P-925	32	82°40'36.27778"	23°48'30.33639"	P-975	35	82°41'06.95397"	23°53'27.77570"
P-926	32	82°40'38.04328"	23°48'24.06888"	P-976	35	82°41'00.06387"	23°53'29.00527"
P-927	32	82°40'40.20880"	23°48'22.09810"	P-977	35	82°40'53.08850"	23°53'28.08422"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-928	33	82°41'10.45467"	23°48'02.87366"	P-978	35	82°41'29.45052"	23°53'25.31725"
P-929	33	82°41'17.38687"	23°48'03.60626"	P-979	35	82°41'23.30318"	23°53'25.64962"
P-930	33	82°41'23.99546"	23°48'04.43576"	P-980	36	82°43'33.95720"	23°51'23.77072"
P-931	33	82°41'30.55617"	23°48'05.50522"	P-981	36	82°43'30.04292"	23°51'28.56204"
P-932	33	82°41'36.60535"	23°48'03.85245"	P-982	36	82°43'22.99275"	23°51'28.87791"
P-933	33	82°41'42.66661"	23°48'01.26386"	P-983	36	82°43'16.10122"	23°51'30.20560"
P-934	33	82°41'45.33095"	23°47'55.83361"	P-984	36	82°43'09.30509"	23°51'31.97708"
P-935	33	82°41'48.49974"	23°47'52.49567"	P-985	36	82°43'03.45893"	23°51'33.65926"
P-936	33	82°41'58.43959"	23°47'44.89411"	P-986	37	82°45'08.61524"	23°51'24.92682"
P-937	33	82°42'05.38283"	23°47'43.79878"	P-987	37	82°45'03.58985"	23°51'20.75993"
P-938	33	82°42'07.99956"	23°47'43.46014"	P-988	37	82°44'59.72267"	23°51'17.14452"
P-939	33	82°41'01.07044"	23°48'09.24367"	P-989	37	82°44'52.66149"	23°51'17.33336"
P-940	33	82°41'07.82655"	23°48'08.19212"	P-990	37	82°44'45.67047"	23°51'16.57827"
P-941	33	82°41'12.03359"	23°48'04.19920"	P-991	37	82°44'39.20649"	23°51'16.13671"
P-942	33	82°41'10.13985"	23°48'03.01549"	P-992	37	82°44'34.59320"	23°51'12.16213"
P-943	34	82°39'58.30036"	23°50'28.52263"	P-993	37	82°45'02.07302"	23°51'16.86989"
P-944	34	82°39'54.38724"	23°50'26.09431"	P-994	37	82°45'05.15123"	23°51'22.67424"
P-945	34	82°39'04.96939"	23°50'32.86633"	P-995	37	82°45'02.68268"	23°51'16.75344"
P-946	34	82°39'03.48828"	23°50'32.49585"	P-996	37	82°45'02.07302"	23°51'16.86989"
P-947	34	82°38'57.69788"	23°50'31.65282"	P-997	38	82°43'36.89788"	23°50'05.98559"
P-948	34	82°38'53.15363"	23°50'31.94527"	P-998	38	82°43'36.75051"	23°49'59.71778"
P-949	34	82°38'52.66180"	23°50'31.82915"	P-999	38	82°43'33.50880"	23°49'54.55664"
P-950	34	82°38'48.76112"	23°50'31.70169"	P-1000	38	82°43'32.70217"	23°49'48.53734"
P-1001	38	82°43'34.09763"	23°49'42.17740"	P-1051	41	82°42'44.85378"	23°48'20.74061"
P-1002	38	82°43'31.62583"	23°49'36.78739"	P-1052	41	82°42'51.48325"	23°48'20.82035"
P-1003	38	82°44'07.82240"	23°50'02.40117"	P-1053	41	82°42'58.28446"	23°48'22.23758"
P-1004	38	82°44'07.89872"	23°50'03.10661"	P-1054	41	82°43'05.31664"	23°48'22.13568"
P-1005	38	82°44'05.11019"	23°49'57.87185"	P-1055	41	82°43'09.45902"	23°48'17.05301"
P-1006	38	82°44'05.34350"	23°49'58.26717"	P-1056	41	82°43'15.99397"	23°48'14.66682"
P-1007	38	82°44'02.49516"	23°49'52.80336"	P-1057	41	82°43'22.96110"	23°48'15.14978"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-1008	38	82°44'04.11373"	23°49'55.99395"	P-1058	41	82°43'29.79146"	23°48'13.90069"
P-1009	38	82°43'59.76903"	23°49'38.49229"	P-1059	41	82°43'36.27573"	23°48'15.61427"
P-1010	38	82°43'59.69049"	23°49'39.16353"	P-1060	41	82°43'42.31222"	23°48'18.86598"
P-1011	38	82°43'31.41130"	23°49'36.58740"	P-1061	41	82°43'47.50071"	23°48'23.09152"
P-1012	38	82°43'30.33057"	23°49'35.91121"	P-1062	41	82°43'53.98293"	23°48'25.08514"
P-1013	39	82°44'21.39568"	23°49'10.63952"	P-1063	41	82°43'59.19798"	23°48'28.87917"
P-1014	39	82°44'15.89049"	23°49'13.64955"	P-1064	41	82°42'45.71330"	23°48'18.25807"
P-1015	39	82°44'08.96483"	23°49'13.40603"	P-1065	41	82°42'47.48184"	23°48'12.18287"
P-1016	39	82°44'02.07254"	23°49'12.14196"	P-1066	41	82°42'47.28714"	23°48'09.78023"
P-1017	39	82°43'55.33825"	23°49'14.02064"	P-1067	41	82°42'47.28692"	23°48'09.78029"
P-1018	39	82°43'50.43526"	23°49'17.74054"	P-1068	41	82°42'46.83265"	23°48'16.04457"
P-1019	39	82°43'51.03365"	23°49'22.64643"	P-1069	41	82°42'44.98170"	23°48'22.00650"
P-1020	40	82°43'15.30857"	23°49'23.53721"	P-1070	41	82°42'45.47566"	23°48'28.41378"
P-1021	40	82°43'09.55604"	23°49'24.62884"	P-1071	41	82°42'44.74396"	23°48'24.33766"
P-1022	40	82°43'03.70641"	23°49'28.24483"	P-1072	41	82°42'44.77584"	23°48'20.74971"
P-1023	40	82°42'37.92801"	23°49'27.70847"	P-1073	42	82°49'07.23135"	23°38'22.47465"
P-1024	40	82°42'37.42091"	23°49'27.37894"	P-1074	42	82°49'08.87822"	23°38'28.76797"
P-1025	40	82°43'14.53200"	23°49'21.36416"	P-1075	42	82°50'04.44155"	23°37'34.26409"
P-1026	40	82°43'08.20426"	23°49'19.88910"	P-1076	42	82°49'59.65461"	23°37'37.60904"
P-1027	40	82°43'04.60145"	23°49'18.13190"	P-1077	42	82°49'52.91326"	23°37'39.42908"
P-1028	40	82°43'11.02808"	23°49'20.63852"	P-1078	42	82°49'47.59825"	23°37'43.68724"
P-1029	40	82°42'58.27464"	23°49'08.37022"	P-1079	42	82°49'44.83374"	23°37'49.55416"
P-1030	40	82°42'57.37385"	23°49'07.01413"	P-1080	42	82°49'42.56178"	23°37'54.15792"
P-1031	40	82°42'53.62961"	23°48'38.10521"	P-1081	42	82°50'18.14140"	23°36'44.43689"
P-1032	40	82°42'56.80468"	23°48'43.86000"	P-1082	42	82°50'24.37787"	23°36'41.98287"
P-1033	40	82°42'53.74478"	23°48'49.69947"	P-1083	42	82°50'30.46315"	23°36'39.11182"
P-1034	40	82°42'51.43889"	23°48'55.74861"	P-1084	42	82°50'34.97965"	23°36'34.94128"
P-1035	40	82°42'53.84333"	23°49'01.67160"	P-1085	42	82°50'40.95188"	23°36'32.31375"
P-1036	40	82°42'52.35437"	23°48'59.56794"	P-1086	42	82°50'47.80636"	23°36'32.86844"
P-1037	40	82°42'51.95002"	23°48'53.32532"	P-1087	42	82°50'53.71308"	23°36'29.73462"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-1038	40	82°42'54.92242"	23°48'47.43402"	P-1088	42	82°50'59.95745"	23°36'27.37548"
P-1039	40	82°42'55.75156"	23°48'41.57479"	P-1089	42	82°50'03.88374"	23°37'30.62043"
P-1040	40	82°42'53.43098"	23°48'37.69046"	P-1090	42	82°50'02.03841"	23°37'24.37088"
P-1041	40	82°42'56.60886"	23°49'29.10222"	P-1091	42	82°49'59.12617"	23°37'18.46899"
P-1042	40	82°43'03.40904"	23°49'28.18110"	P-1092	42	82°49'59.96111"	23°37'12.15931"
P-1043	40	82°43'09.27146"	23°49'24.57268"	P-1093	42	82°50'04.14031"	23°37'06.92540"
P-1044	40	82°42'37.85119"	23°49'27.52425"	P-1094	42	82°50'08.19842"	23°37'01.61300"
P-1045	40	82°43'01.23895"	23°49'15.68051"	P-1095	42	82°50'12.71731"	23°36'56.76413"
P-1046	40	82°43'01.02805"	23°49'14.87169"	P-1096	42	82°50'15.58975"	23°36'52.00308"
P-1047	40	82°42'54.39513"	23°49'04.34691"	P-1097	42	82°50'16.06689"	23°36'45.62673"
P-1048	40	82°42'54.41626"	23°49'03.54010"	P-1098	42	82°50'16.88696"	23°36'44.91489"
P-1049	41	82°44'11.48902"	23°48'40.92192"	P-1099	42	82°49'42.56178"	23°37'54.15792"
P-1050	41	82°44'13.58990"	23°48'46.83064"	P-1100	42	82°49'42.00106"	23°37'54.93019"
P-1101	42	82°49'42.00106"	23°37'54.93019"	P-1151	46	82°51'02.73391"	23°34'22.90847"
P-1102	42	82°49'40.95933"	23°37'56.21049"	P-1152	46	82°51'05.36659"	23°34'27.38415"
P-1103	42	82°49'39.55669"	23°37'57.76625"	P-1153	46	82°51'10.89115"	23°34'23.50251"
P-1104	42	82°49'36.40891"	23°38'00.91199"	P-1154	46	82°51'12.04408"	23°34'23.58920"
P-1105	42	82°49'20.71660"	23°38'10.43927"	P-1155	46	82°50'13.94626"	23°34'12.88274"
P-1106	42	82°49'16.47042"	23°38'15.62212"	P-1156	46	82°50'13.81687"	23°34'18.61983"
P-1107	42	82°49'15.18663"	23°38'16.85814"	P-1157	46	82°50'16.30565"	23°34'24.60379"
P-1108	42	82°49'15.18663"	23°38'16.85814"	P-1158	46	82°50'21.37189"	23°34'23.99622"
P-1109	42	82°49'10.88852"	23°38'20.65858"	P-1159	46	82°50'26.02888"	23°34'19.14820"
P-1110	43	82°51'12.81170"	23°36'29.79560"	P-1160	46	82°50'28.54354"	23°34'13.21252"
P-1111	43	82°51'10.05294"	23°36'30.41879"	P-1161	46	82°50'30.26070"	23°34'07.02892"
P-1112	43	82°52'40.09373"	23°35'54.51643"	P-1162	46	82°50'47.92036"	23°33'59.74708"
P-1113	43	82°52'37.80603"	23°36'00.62797"	P-1163	46	82°50'51.06216"	23°34'04.87987"
P-1114	43	82°52'34.58773"	23°36'06.02038"	P-1164	46	82°50'51.16259"	23°34'05.12243"
P-1115	43	82°52'28.60321"	23°36'09.37539"	P-1165	46	82°50'13.05627"	23°34'10.89586"
P-1116	43	82°52'23.94062"	23°36'13.96255"	P-1166	46	82°50'24.19314"	23°34'06.18494"
P-1117	43	82°52'18.71592"	23°36'17.88133"	P-1167	47	82°48'20.51630"	23°29'41.63487"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-1118	43	82°52'13.64523"	23°36'22.30672"	P-1168	47	82°48'21.99785"	23°29'42.04953"
P-1119	43	82°52'07.71447"	23°36'25.61622"	P-1169	47	82°48'21.99785"	23°29'42.04953"
P-1120	43	82°52'01.73233"	23°36'29.01189"	P-1170	47	82°48'27.57266"	23°29'41.08822"
P-1121	43	82°51'54.81937"	23°36'29.13068"	P-1171	47	82°48'34.13932"	23°29'38.82692"
P-1122	43	82°51'48.09490"	23°36'27.23787"	P-1172	47	82°48'37.92643"	23°29'35.41029"
P-1123	43	82°51'41.54477"	23°36'24.87839"	P-1173	47	82°48'37.00232"	23°29'28.97104"
P-1124	43	82°51'34.58007"	23°36'24.02981"	P-1174	47	82°48'40.14871"	23°29'23.64626"
P-1125	43	82°51'28.19328"	23°36'24.53953"	P-1175	47	82°48'37.29214"	23°29'17.89313"
P-1126	43	82°51'21.78387"	23°36'27.16953"	P-1176	47	82°48'36.85320"	23°29'11.64982"
P-1127	43	82°51'15.40030"	23°36'29.78620"	P-1177	47	82°48'37.33898"	23°29'10.62115"
P-1128	43	82°51'12.81170"	23°36'29.79560"	P-1178	47	82°50'30.05926"	23°33'07.13130"
P-1129	44	82°53'03.54891"	23°35'19.10819"	P-1179	47	82°50'35.97035"	23°33'10.58940"
P-1130	44	82°52'59.05330"	23°35'23.74692"	P-1180	47	82°50'39.07658"	23°33'16.34964"
P-1131	44	82°52'58.25116"	23°35'30.10323"	P-1181	47	82°50'14.84160"	23°32'48.47189"
P-1132	44	82°52'54.40727"	23°35'35.15040"	P-1182	47	82°50'10.95671"	23°32'43.05815"
P-1133	44	82°52'50.68973"	23°35'40.61194"	P-1183	47	82°50'10.99790"	23°32'43.92264"
P-1134	44	82°52'48.09668"	23°35'42.56323"	P-1184	47	82°50'46.12681"	23°30'50.07610"
P-1135	45	82°53'01.72083"	23°35'13.14002"	P-1185	47	82°50'45.47946"	23°30'56.42548"
P-1136	45	82°52'46.96334"	23°35'07.39776"	P-1186	47	82°50'44.81680"	23°31'02.87039"
P-1137	45	82°51'46.76904"	23°34'31.70484"	P-1187	47	82°50'45.50129"	23°31'08.99955"
P-1138	45	82°51'51.58017"	23°34'33.73999"	P-1188	47	82°50'45.23319"	23°31'09.40996"
P-1139	45	82°51'58.15802"	23°34'31.62716"	P-1189	47	82°50'45.23319"	23°31'09.40996"
P-1140	45	82°52'05.09456"	23°34'30.47304"	P-1190	47	82°50'42.48741"	23°31'15.12470"
P-1141	45	82°51'18.62692"	23°34'28.40897"	P-1191	47	82°50'42.37637"	23°31'21.26021"
P-1142	45	82°51'24.28723"	23°34'26.12220"	P-1192	47	82°50'43.18601"	23°31'26.89635"
P-1143	45	82°51'29.04139"	23°34'22.69934"	P-1193	47	82°50'37.95986"	23°31'28.00086"
P-1144	45	82°51'36.03572"	23°34'22.97523"	P-1194	47	82°50'32.41321"	23°31'31.11987"
P-1145	45	82°51'42.27738"	23°34'23.89216"	P-1195	47	82°50'29.41406"	23°31'36.86457"
P-1146	45	82°51'44.10382"	23°34'26.58431"	P-1196	47	82°50'30.05008"	23°31'43.30056"
P-1147	46	82°50'51.16259"	23°34'05.12243"	P-1197	47	82°50'27.86999"	23°31'49.29226"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-1148	46	82°50'54.20485"	23°34'10.93170"	P-1198	47	82°50'27.79479"	23°31'51.88961"
P-1149	46	82°50'58.02660"	23°34'12.52823"	P-1199	47	82°50'27.79479"	23°31'51.88961"
P-1150	46	82°50'57.97714"	23°34'18.69790"	P-1200	47	82°50'26.13244"	23°31'58.17639"
P-1201	47	82°50'23.86095"	23°32'04.16268"	P-1251	47	82°49'50.29843"	23°30'48.08294"
P-1202	47	82°50'18.19798"	23°32'05.27920"	P-1252	47	82°49'52.13331"	23°30'54.25943"
P-1203	47	82°50'42.58415"	23°33'19.43244"	P-1253	47	82°49'53.58207"	23°31'00.56731"
P-1204	47	82°50'42.59070"	23°33'25.79550"	P-1254	47	82°49'56.81514"	23°31'06.34038"
P-1205	47	82°50'41.79089"	23°33'32.24379"	P-1255	47	82°49'59.88285"	23°31'12.18435"
P-1206	47	82°50'41.36160"	23°33'34.70459"	P-1256	47	82°50'01.30645"	23°31'18.53910"
P-1207	47	82°50'15.19747"	23°32'49.04785"	P-1257	47	82°50'03.81948"	23°31'24.58808"
P-1208	47	82°50'18.45272"	23°32'54.66371"	P-1258	47	82°50'04.92326"	23°31'30.64692"
P-1209	47	82°50'20.18089"	23°33'00.77908"	P-1259	47	82°50'05.38533"	23°31'36.60097"
P-1210	47	82°50'25.33029"	23°33'05.14044"	P-1260	47	82°50'06.46343"	23°31'38.74966"
P-1211	47	82°50'11.19074"	23°32'44.81163"	P-1261	48	82°50'07.93954"	23°29'42.29091"
P-1212	47	82°50'13.49719"	23°32'46.92675"	P-1262	48	82°50'03.07411"	23°29'46.04940"
P-1213	47	82°50'18.19798"	23°32'05.27920"	P-1263	48	82°50'00.70429"	23°29'51.84915"
P-1214	47	82°50'13.32118"	23°32'08.78052"	P-1264	48	82°49'57.21707"	23°29'56.56519"
P-1215	47	82°50'08.86094"	23°32'13.00757"	P-1265	48	82°49'51.67132"	23°30'00.09625"
P-1216	47	82°50'09.84472"	23°32'19.36547"	P-1266	48	82°49'51.33650"	23°30'01.13925"
P-1217	47	82°50'09.84725"	23°32'25.86298"	P-1267	48	82°49'52.46601"	23°30'09.69236"
P-1218	47	82°50'10.68805"	23°32'32.31006"	P-1268	48	82°49'52.92691"	23°30'09.64191"
P-1219	47	82°50'10.88235"	23°32'37.23421"	P-1269	48	82°49'50.68331"	23°30'07.64265"
P-1220	47	82°50'45.05277"	23°31'09.27093"	P-1270	48	82°49'51.88304"	23°30'08.68816"
P-1221	47	82°50'44.57939"	23°31'03.14795"	P-1271	49	82°51'49.02737"	23°30'13.88134"
P-1222	47	82°50'45.18552"	23°30'56.69148"	P-1272	49	82°51'54.82424"	23°30'17.55084"
P-1223	47	82°50'45.91524"	23°30'50.33989"	P-1273	49	82°52'01.66604"	23°30'18.91982"
P-1224	47	82°50'45.91411"	23°30'50.24350"	P-1274	49	82°52'07.56997"	23°30'19.83242"
P-1225	47	82°50'27.51083"	23°31'51.79506"	P-1275	49	82°52'14.35665"	23°30'19.94597"
P-1226	47	82°50'29.65175"	23°31'45.82327"	P-1276	49	82°52'14.75641"	23°30'24.65308"
P-1227	47	82°50'29.17183"	23°31'39.39826"	P-1277	49	82°52'18.10356"	23°30'28.08621"

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Point	Patch	Longitud in D:M:S	Latitud in D:M:S	Point	Patch	Longitud in D:M:S	Latitud in D:M:S
P-1228	47	82°50'30.63956"	23°31'33.16751"	P-1278	49	82°52'22.96760"	23°30'31.22274"
P-1229	47	82°50'35.11609"	23°31'28.27521"	P-1279	49	82°52'29.17058"	23°30'33.44849"
P-1230	47	82°50'41.81187"	23°31'28.41231"	P-1280	49	82°52'34.66434"	23°30'35.52741"
P-1231	47	82°50'41.21557"	23°31'23.42426"	P-1281	49	82°52'41.67961"	23°30'35.17479"
P-1232	47	82°50'42.13965"	23°31'17.58036"	P-1282	49	82°52'48.66171"	23°30'34.97250"
P-1233	47	82°50'43.31697"	23°31'11.32047"	P-1283	49	82°52'51.89143"	23°30'35.01342"
P-1234	47	82°50'45.05277"	23°31'09.27093"	P-1284	49	82°51'16.31308"	23°30'14.09481"
P-1235	47	82°50'17.78468"	23°32'05.11399"	P-1285	49	82°51'23.30982"	23°30'13.59678"
P-1236	47	82°50'24.15336"	23°32'03.49294"	P-1286	49	82°51'23.95142"	23°30'13.49516"
P-1237	47	82°50'26.10989"	23°31'57.35327"	P-1287	50	82°56'05.17692"	23°31'12.22856"
P-1238	47	82°50'27.51083"	23°31'51.79506"	P-1288	50	82°56'11.79346"	23°31'14.25775"
P-1239	47	82°50'05.13298"	23°31'59.40040"	P-1289	50	82°56'18.11078"	23°31'14.14021"
P-1240	47	82°50'05.93565"	23°32'05.83776"	P-1290	50	82°56'24.50809"	23°31'12.44013"
P-1241	47	82°50'06.78774"	23°32'08.93111"	P-1291	50	82°56'30.19835"	23°31'16.13406"
P-1242	47	82°50'06.78774"	23°32'08.93111"	P-1292	50	82°56'37.19246"	23°31'16.73760"
P-1243	47	82°50'11.22186"	23°32'11.26021"	P-1293	50	82°56'44.22627"	23°31'16.51539"
P-1244	47	82°50'14.74792"	23°32'05.77514"	P-1294	50	82°56'51.19194"	23°31'15.81326"
P-1245	47	82°50'08.02199"	23°31'41.99196"	P-1295	50	82°56'58.02208"	23°31'16.19817"
P-1246	47	82°50'07.85643"	23°31'48.40609"	P-1296	50	82°56'58.71043"	23°31'16.60066"
P-1247	47	82°50'05.21807"	23°31'54.30976"				
P-1248	47	82°50'05.13298"	23°31'59.40040"				
P-1249	47	82°49'42.13356"	23°30'37.51351"				
P-1250	47	82°49'46.38900"	23°30'42.67635"				



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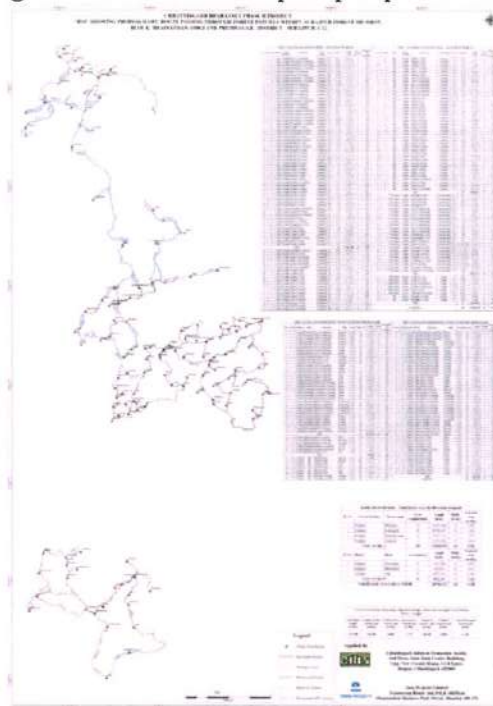
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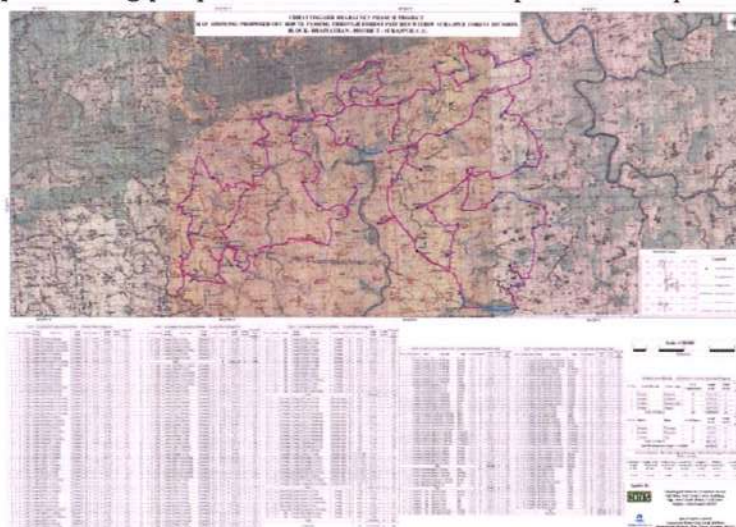
5.3. Geo-Referenced Maps of the Proposed Route (Annexure-3)

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



Geo-Referenced Maps of Forest Patched with in Surajpur Forest Division

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



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

By
वन परिक्षेत्राधिकारी
रामानन्द भार

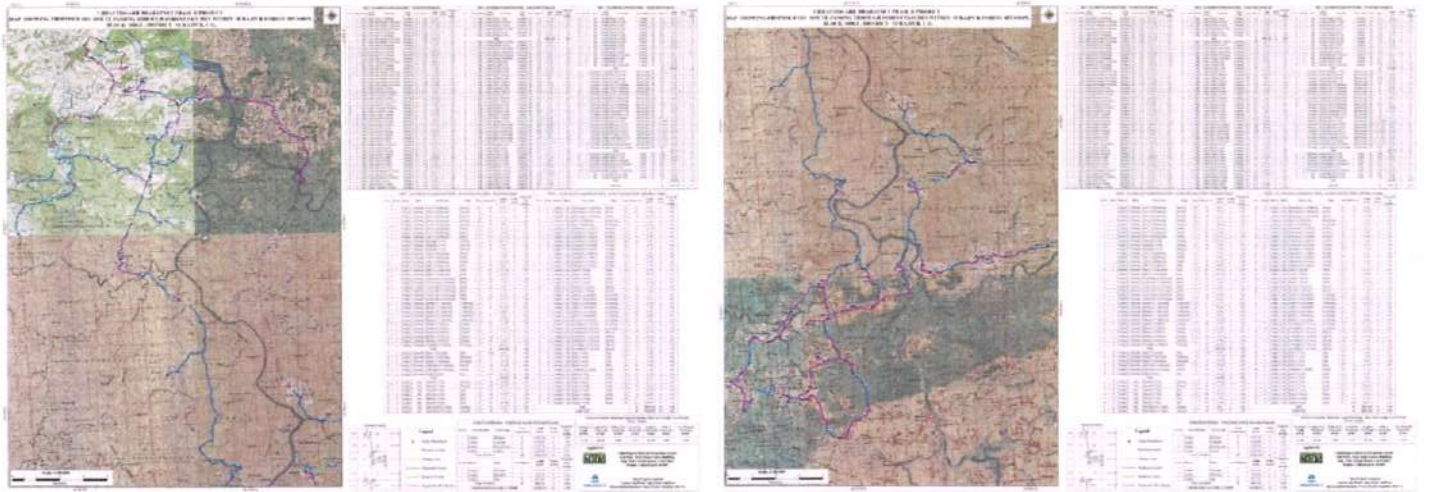
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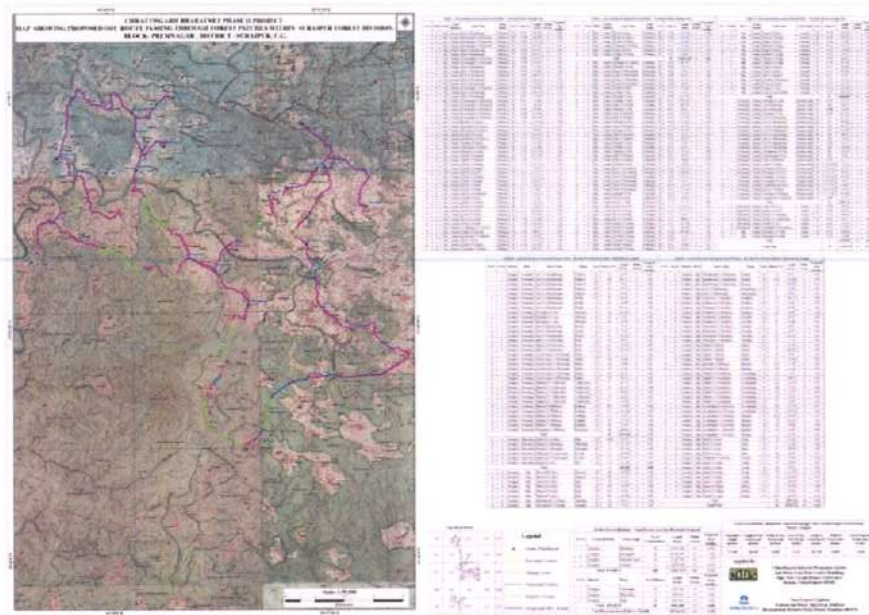


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Chhattisgarh BharatNet Phase-II Project



Geo-Referenced Toposheet Map of Forest Patched Odgi Block (Part1 & Part2) in Surajpur Forest Division.



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

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