

Chainpa BLOCK SUMMARY

PART A

Sr. No	Features	Details
1. Location		
	Coal Block	Chainpa
	Latitude	23° 17' 59" N - 23° 20' 3" N (Provisional)
	Longitude	81° 22' 51" E - 81° 25' 51" E (Provisional)
	Topo Sheet No.	64 E/7 (RF 1:50,000)
	Coalfield	Sohagpur Coalfield
	Villages	Kudri, Jamua, Chainpa, Kakarhai, Amliha and Kotma
	Tehsil/Taluka	Sohagpur
	District	Shahdol
	State	Madhya Pradesh
2. Connectivity with Block		
	Nearest Rail Head	The nearest railway station is Shahdol on Katni-Bilaspur line of South East-Central railway which is about 4 km. from the block.
	Road	District headquarter Shahdol, located on the National Highway 43 (Katni-Shahdol-Ambikapur), is the nearest town at a distance of about 4 km. by road. The state capital Bhopal is about 492 km. from the block and connected through the National Highway 45.
	Airport & Seaport	The Jabalpur Airport is the nearest airport from Chainpa block at about 133 kms away. The nearest port, Paradip at Bay of Bengal is situated at 807 km. from the block.
3. Area		
	Geological Block Area	16.93 sq.km. (As per shape file; Refer Note below)
	Forest Area	0 % (As per FSI plan)
	Non-Forest Area	100 % (As per FSI plan)
4. Climate and Topography		
	Average Annual Rainfall	0.13 to 100 mm
	Temperature (Min. — Max.)	11°C to 40°C
	Local Surface Drainage Channels	A southerly flowing seasonal nala joins Tanki nala in the western part of the area. Small surface water bodies can be seen mostly in the southeastern part of the block.
	Rivers	
5. Exploration		
	Status	Explored
	Exploration Agency	GSI, CMPDI

Total Number of Boreholes with meterage	139 Boreholes; 65926.70 m (APC: 127 Boreholes, 60627.50 m and GSI: 12 Boreholes, 5299.20 m).
Borehole Density	Approx. 8.21 Boreholes/sq.km.
General Dip of Seams	2° SE in southern part S in northern part of the block.
General Strike Direction	N-S in the south and NNE-SSW in the northern part of the block.
Faults	The structure of Chainpa block is simple in the southern part (~13.5 sq. kms area) with only one number of fault (F10) and complex in the extreme north (~3.5 sq. kms area), with 10 number of faults (F1 to F9 & F11). Most of the faults are strike to oblique faults which are curvilinear at places. 8 faults dip towards north whereas 3 faults dip towards south.

6. Coal Seams & Reserve

Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT) (Proved)	Grade
RVIII	1.07-2.16	6.0-65.51	0.56	G15
RL4	0.15-1.32	20.38-135.93	-	G15
RVII	0.07-1.50	15.8-173.18	0.67	G14
RL3	0.15-0.74	31.43-175.44	-	-
RVI	0.52-1.61	29.38-195.03	0.89	G12-G15
RL2	0.25-0.69	41.0-224.04	-	G15
RV	0.28-2.39	39.76-241.95	0.89	G11-G16
RIV	0.38-2.11	42.0-261.60	1.48	G8-G12
RL1	0.15-1.40	59.07-187.29	-	G17
RIIID	0.18-6.56	18.77-269.43	3.45	G12-G13
RIIIC	0.79-15.14	7.86-292.03	6.44	G9-G16
RIIIB	0.30-4.86	5.65-298.27	5.73	G8-UG
RIIIA	0.11-3.42	5.26-304.95	2.32	G6-G17
RIIB	0.17-6.84	4.72-340.47	21.14	G11-G17
RIIA	0.13-4.00	9.51-346.99	2.32	G7-G17
RID	0.05-1.92	23.95-362.82	0.30	G15-G16
RIC	0.10-3.19	28.32-372.60	1.23	G7-UG
RIB	0.06-3.02	12.20-374.82	0.95	G13-UG
RIA	0.06-2.46	17.69-380.00	0.15	G12-UG
V	0.12-2.27	262.52-591.72	5.66	G10-G17
IV	0.10-3.36	200.46-684.83	30.06	G4-G11
L2	0.10-1.69	273.48-599.95	1.99	G4-G13
III	2.34-7.13	261.80-673.82	13.50	G7-G10
IIIT	0.21-7.32	265.72-709.50	111.51	G5-G12
IIIB	0.20-2.63	271.80-714.19	11.02	G4-G17
II	0.10-1.39	328.28-532.01	0.03	G4-G8
I	0.13-1.86	324.90-533.07	0.02	G7-G16
IT	0.10-1.90	324.16-643.66	1.48	G4-G16
IB	0.11-1.76	326.40-646.82	0.91	G5-G15
L1	0.13-2.18	355.47-668.19	0.32	G8-G12
L1T	0.10-1.97	341.56-569.28	1.12	G8-G14
L1M	0.15-0.50	396.27-565.33	1.67	G5
L1B	0.04-1.68	351.00-570.84	5.66	G5-G15
Total			227.80	

7.	Surface Constraints	Shahdol Medical College and Hospital over the block.
8.	Grade of coal	G9 (Provisional) based on weighted average grade as per grade-wise data in the Draft GR.
9.	Decision Support System (DSS) Analysis	Hydrology Info: The polygon touches wetland more than 10 hectare area. Reservoirs, Area: 24.12 Ha
10.	Eco Sensitive Zone (ESZ) Analysis	The ESZ boundary of BANDHAV GARH and TR-PA of Bandhavgarh is Approx. 24 km away from N-W block boundary. Also, the Tiger Corridor between BANDHAV GARH & Guru Ghasi Das (Sanjay) is approx.19 km away from the northern boundary of the block and Tiger corridor between BANDHAV GARH & Achanakmar is approx.17 km away from the Western boundary of the block.

PART B

Sr. No.	Features	Details
1.	Tentative PRC	1.0 MTY

Note:

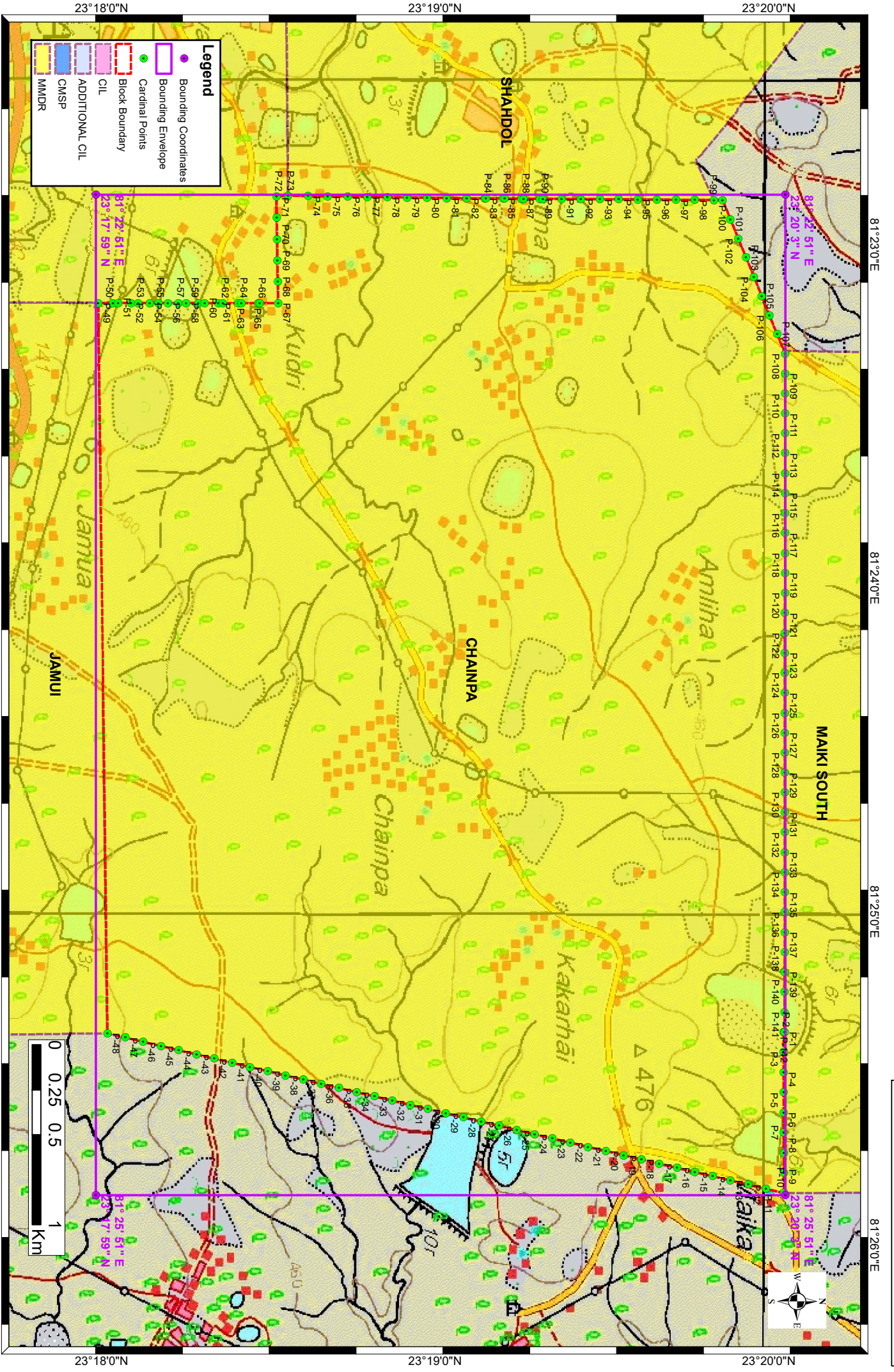
1. The above data is compiled from Geological Report, Mining Plan and the data furnished by the prior allottee in Annexure-I/II, as available. For clarifications with regard to above data, please refer aforesaid source documents.
2. The boundary of the block has been taken from GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.
3. There is a difference in area in the shape file and GR. Area in the shape file is based on feature mapped plan of the block as given in the GR. So, the area is tentative and field DGPS survey is required to ascertain the exact area.

Disclaimer:

1. The analysis is done on Beta-version (Trial Version) of Decision Support System (DSS) of FSI/MOEF.
2. The Decision Rules for various parameters of this DSS System are controlled by FSI.
3. CMPDI only runs this DSS to obtain the status of any block based on these Decision Rules.
4. The database of the Decision Rules is updated by FSI from time to time.
5. CMPDI does not own any responsibility for variation in the results which are based on the decision Rules of the FSI DSS in case of any updation of the database at FSI end.
6. ESZ analysis and tiger habitat/ corridor given here is based on the information available in public domain. Bidders are encouraged to verify this information and any other information additionally available.

Chainpa Block, Sohagpur Coalfield

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Note: Coordinates are in WGS84 datum.

Provisional Cardinal Points for CHAINPA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	81° 25' 21.619" E	23° 20' 2.841" N
P-2	81° 25' 21.619" E	23° 20' 2.659" N
P-3	81° 25' 25.241" E	23° 20' 2.666" N
P-4	81° 25' 28.862" E	23° 20' 2.672" N
P-5	81° 25' 32.483" E	23° 20' 2.679" N
P-6	81° 25' 36.104" E	23° 20' 2.685" N
P-7	81° 25' 39.726" E	23° 20' 2.691" N
P-8	81° 25' 43.347" E	23° 20' 2.698" N
P-9	81° 25' 46.968" E	23° 20' 2.704" N
P-10	81° 25' 50.589" E	23° 20' 2.710" N
P-11	81° 25' 49.833" E	23° 19' 59.510" N
P-12	81° 25' 49.078" E	23° 19' 56.309" N
P-13	81° 25' 48.322" E	23° 19' 53.108" N
P-14	81° 25' 47.566" E	23° 19' 49.907" N
P-15	81° 25' 46.810" E	23° 19' 46.706" N
P-16	81° 25' 46.054" E	23° 19' 43.505" N
P-17	81° 25' 45.298" E	23° 19' 40.304" N
P-18	81° 25' 44.543" E	23° 19' 37.103" N
P-19	81° 25' 43.787" E	23° 19' 33.902" N
P-20	81° 25' 43.031" E	23° 19' 30.701" N
P-21	81° 25' 42.275" E	23° 19' 27.500" N
P-22	81° 25' 41.520" E	23° 19' 24.299" N
P-23	81° 25' 40.764" E	23° 19' 21.098" N
P-24	81° 25' 40.008" E	23° 19' 17.897" N
P-25	81° 25' 39.253" E	23° 19' 14.697" N
P-26	81° 25' 38.497" E	23° 19' 11.496" N
P-27	81° 25' 37.741" E	23° 19' 8.295" N
P-28	81° 25' 36.985" E	23° 19' 5.094" N
P-29	81° 25' 36.230" E	23° 19' 1.893" N
P-30	81° 25' 35.474" E	23° 18' 58.692" N
P-31	81° 25' 34.718" E	23° 18' 55.491" N
P-32	81° 25' 33.963" E	23° 18' 52.290" N
P-33	81° 25' 33.207" E	23° 18' 49.089" N
P-34	81° 25' 32.452" E	23° 18' 45.888" N
P-35	81° 25' 31.696" E	23° 18' 42.687" N
P-36	81° 25' 30.940" E	23° 18' 39.486" N
P-37	81° 25' 30.185" E	23° 18' 36.285" N
P-38	81° 25' 29.429" E	23° 18' 33.084" N
P-39	81° 25' 28.674" E	23° 18' 29.883" N
P-40	81° 25' 27.918" E	23° 18' 26.682" N
P-41	81° 25' 27.162" E	23° 18' 23.481" N
P-42	81° 25' 26.407" E	23° 18' 20.280" N
P-43	81° 25' 25.651" E	23° 18' 17.079" N
P-44	81° 25' 24.896" E	23° 18' 13.878" N
P-45	81° 25' 24.140" E	23° 18' 10.677" N
P-46	81° 25' 23.385" E	23° 18' 7.476" N
P-47	81° 25' 22.629" E	23° 18' 4.276" N

Provisional Cardinal Points for CHAINPA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	81° 25' 21.874" E	23° 18' 1.075" N
P-49	81° 23' 10.467" E	23° 17' 59.414" N
P-50	81° 23' 10.474" E	23° 18' 2.028" N
P-51	81° 23' 10.477" E	23° 18' 3.009" N
P-52	81° 23' 10.483" E	23° 18' 5.333" N
P-53	81° 23' 10.487" E	23° 18' 6.604" N
P-54	81° 23' 10.493" E	23° 18' 8.638" N
P-55	81° 23' 10.497" E	23° 18' 10.200" N
P-56	81° 23' 10.502" E	23° 18' 11.943" N
P-57	81° 23' 10.507" E	23° 18' 13.795" N
P-58	81° 23' 10.512" E	23° 18' 15.248" N
P-59	81° 23' 10.518" E	23° 18' 17.391" N
P-60	81° 23' 10.521" E	23° 18' 18.553" N
P-61	81° 23' 10.528" E	23° 18' 20.986" N
P-62	81° 23' 10.530" E	23° 18' 21.858" N
P-63	81° 23' 10.538" E	23° 18' 24.581" N
P-64	81° 23' 10.540" E	23° 18' 25.162" N
P-65	81° 23' 10.548" E	23° 18' 28.177" N
P-66	81° 23' 10.549" E	23° 18' 28.467" N
P-67	81° 23' 10.558" E	23° 18' 31.772" N
P-68	81° 23' 6.716" E	23° 18' 31.707" N
P-69	81° 23' 2.874" E	23° 18' 31.642" N
P-70	81° 22' 59.032" E	23° 18' 31.577" N
P-71	81° 22' 55.190" E	23° 18' 31.511" N
P-72	81° 22' 51.348" E	23° 18' 31.446" N
P-73	81° 22' 51.223" E	23° 18' 33.547" N
P-74	81° 22' 51.273" E	23° 18' 37.115" N
P-75	81° 22' 51.323" E	23° 18' 40.682" N
P-76	81° 22' 51.374" E	23° 18' 44.250" N
P-77	81° 22' 51.424" E	23° 18' 47.818" N
P-78	81° 22' 51.474" E	23° 18' 51.386" N
P-79	81° 22' 51.525" E	23° 18' 54.954" N
P-80	81° 22' 51.575" E	23° 18' 58.522" N
P-81	81° 22' 51.625" E	23° 19' 2.090" N
P-82	81° 22' 51.676" E	23° 19' 5.657" N
P-83	81° 22' 51.699" E	23° 19' 8.947" N
P-84	81° 22' 51.699" E	23° 19' 9.078" N
P-85	81° 22' 51.722" E	23° 19' 12.236" N
P-86	81° 22' 51.723" E	23° 19' 12.498" N
P-87	81° 22' 51.745" E	23° 19' 15.526" N
P-88	81° 22' 51.747" E	23° 19' 15.918" N
P-89	81° 22' 51.768" E	23° 19' 18.816" N
P-90	81° 22' 51.771" E	23° 19' 19.338" N
P-91	81° 22' 51.795" E	23° 19' 22.758" N
P-92	81° 22' 51.819" E	23° 19' 26.179" N
P-93	81° 22' 51.843" E	23° 19' 29.599" N
P-94	81° 22' 51.867" E	23° 19' 33.019" N

Provisional Cardinal Points for CHAINPA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	81° 22' 51.891" E	23° 19' 36.439" N
P-96	81° 22' 51.915" E	23° 19' 39.859" N
P-97	81° 22' 51.939" E	23° 19' 43.280" N
P-98	81° 22' 51.963" E	23° 19' 46.700" N
P-99	81° 22' 51.987" E	23° 19' 50.120" N
P-100	81° 22' 51.998" E	23° 19' 51.711" N
P-101	81° 22' 55.446" E	23° 19' 53.114" N
P-102	81° 22' 58.895" E	23° 19' 54.517" N
P-103	81° 23' 2.343" E	23° 19' 55.919" N
P-104	81° 23' 5.791" E	23° 19' 57.322" N
P-105	81° 23' 9.240" E	23° 19' 58.725" N
P-106	81° 23' 12.688" E	23° 20' 0.128" N
P-107	81° 23' 16.136" E	23° 20' 1.530" N
P-108	81° 23' 19.585" E	23° 20' 2.933" N
P-109	81° 23' 23.174" E	23° 20' 2.931" N
P-110	81° 23' 26.763" E	23° 20' 2.928" N
P-111	81° 23' 30.352" E	23° 20' 2.926" N
P-112	81° 23' 33.942" E	23° 20' 2.924" N
P-113	81° 23' 37.531" E	23° 20' 2.921" N
P-114	81° 23' 41.120" E	23° 20' 2.919" N
P-115	81° 23' 44.709" E	23° 20' 2.916" N
P-116	81° 23' 48.299" E	23° 20' 2.914" N
P-117	81° 23' 51.888" E	23° 20' 2.911" N
P-118	81° 23' 55.477" E	23° 20' 2.909" N
P-119	81° 23' 59.066" E	23° 20' 2.906" N
P-120	81° 24' 2.656" E	23° 20' 2.904" N
P-121	81° 24' 6.245" E	23° 20' 2.901" N
P-122	81° 24' 9.834" E	23° 20' 2.898" N
P-123	81° 24' 13.423" E	23° 20' 2.896" N
P-124	81° 24' 17.013" E	23° 20' 2.893" N
P-125	81° 24' 20.602" E	23° 20' 2.890" N
P-126	81° 24' 24.191" E	23° 20' 2.887" N
P-127	81° 24' 27.780" E	23° 20' 2.885" N
P-128	81° 24' 31.370" E	23° 20' 2.882" N
P-129	81° 24' 34.959" E	23° 20' 2.879" N
P-130	81° 24' 38.548" E	23° 20' 2.876" N
P-131	81° 24' 42.137" E	23° 20' 2.873" N
P-132	81° 24' 45.727" E	23° 20' 2.871" N
P-133	81° 24' 49.316" E	23° 20' 2.868" N
P-134	81° 24' 52.905" E	23° 20' 2.865" N
P-135	81° 24' 56.494" E	23° 20' 2.862" N
P-136	81° 25' 0.083" E	23° 20' 2.859" N
P-137	81° 25' 3.673" E	23° 20' 2.856" N
P-138	81° 25' 7.262" E	23° 20' 2.853" N
P-139	81° 25' 10.851" E	23° 20' 2.850" N
P-140	81° 25' 14.440" E	23° 20' 2.847" N
P-141	81° 25' 18.030" E	23° 20' 2.844" N