

SONDIHA COAL BLOCK SUMMARY
PART A

Sr. No	Features	Details
1. Location		
	Coal Block	Sondiha
	Latitude	23° 37' 05" - 23° 38' 35" (Provisional)
	Longitude	83° 14' 0" - 83° 16' 56" (Provisional)
	Topo Sheet No.	64 M/2 & M/6
	Coalfield	Tatapani Ramkola
	Villages	Bhgwanpur Khas, Parts of Bartikalan, Sabitripur, Injani and Bhagwanpur Jirat
	Tehsil/Taluka	Ramanuj Ganj
	District	Balrampur
	State	Chhattisgarh
2. Connectivity with Block		
	Nearest Rail Head	Renukut in UP on Chopan-Garwa Station of Eastern Railway is 80km by road from Wardrupnagar, which is at 10 km from the block.
	Road	Bartikalan-Sardapur metalled road passes through the central part of the block. The block is approached by a network of forest roads and un-metalled roads.
	Airport	
3. Area		
	Geological Block Area	10.7 sq.km. (As per shape file; Refer Note 3)
	Forest Area	Approx 10% (As per FSI plan) Pratappur Range PF: 270.238 hectare; Revenue Govt. Land Chhote Jhar Jungle: 160.400 hectare
	Non-Forest Area	Approx 90% (As per FSI plan)
4. Climate and Topography		
	Average Annual Rainfall	1400 mm
	Temperature (Min. — Max.)	4°C-45°C
	Local Surface Drainage Channels	The Moran river, flowing in north of the block, forms the principal drainage of the area. A number of small tributaries, viz. Injani, Kennapar nala of this river, drain the terrain.
	Rivers	
5. Exploration		
	Status	Explored in Detail
	Exploration Agency	Chhattishgarh Sondiha Coal Company Limited
	Total Number of Boreholes with meterage	103 Boreholes; 16951.30 m

	Borehole Density	Approx. 10 Boreholes/sq.km. However in the coal bearing area which is about 4.6 sq.km it is 18.			
	General Dip of Seams	In the south-western part coal seams show both westerly and southerly dip varying 12-18 degree. In the remaining part of the block coal seams mostly show northerly dip of 2-15 degree.			
	General Strike Direction	South-Western part: ENE-WSW to E-W. The strike varies from E-W, NE-SW, ENE-WSW and NW-SE.			
6.	Coal Seams & Reserve				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)	Grade
	VII	0.20-1.85			
	VI	0.27-2.58	11.60-182.50	2.262	C-F
	V	0.30-2.59	30.00-236.00	4.448	D-F
	IVT	0.58-5.55	8.69-208.50	16.247	E-F
	IVB	0.40-5.40	14.80-356.73	18.767	E-F
	IV	1.40-8.89	13.35-273.38		
	III	0.15-3.53	24.40-252.10	3.260	B-E
	II	0.15-2.08	39.10-239.80	1.791	B-E
	I	0.13-1.71	12.20-286.00	3.403	A-G
		Total		50.178	
7.	Surface Constraints	Wani-Chanak branch of Central Railways passes through the block.			
8.	Grade of the block	G10 (Provisional) based on weighted average grade as per data available in GR.			
9.	Decision Support System (DSS) Analysis	Wildlife Info: Polygon touches wildlife habitat- Sloth Bear			
10.	Eco Sensitive Zone (ESZ)	The tiger corridor between kahna-boramdev is located approx.2.7 kms from southern block boundary.			

PART B

Sr. no.	Features	Details
1.	Previous Allocation	
	Name of Allocatee	M/s Chhattisgarh Mineral Development Corporation Ltd.
	Address	Sonkhan Bhawan, Ring Road-1, Purenna, Raipur, Chhattisgarh-492006
	Nature of End Use	Commercial Use
2.	Status of Mineral Exploitation	
	Method of Mining	Opencast & Underground Mining
	Coal Extracted	-Nil-
	Mine Plan Extraction Rate	1.00 MTY (OC+UG), UG will start from 16 th year @0.25 MTY
	Average Stripping Ratio	1:13.79
	Mining Agency	Not Available
3.	Status of Clearances/Approvals	
	Mining Plan (Reference to Grant)	No: 13016/8/2007-CA-1 dated 6/07/2011
	Forest Clearance (Reference to Grant)	No: 8-50/2012-FC dated 4/3/2013 (Stage-I)
	Environmental Clearance (Reference to Grant)	No: J-11015/331/2010-IA.II (M) dated 16-09-2013
	Mining Lease	Not granted
	Land Required	810 Ha
	Land Acquired	405.60 Ha
	R&R Plan Approval & Details	R&R Plan approved vide F 7-17/2011/12 dated 28/6/2014 (number of PAFs-436 as per data provided by CMDC)
	R&R Plan Achievement	-Nil-

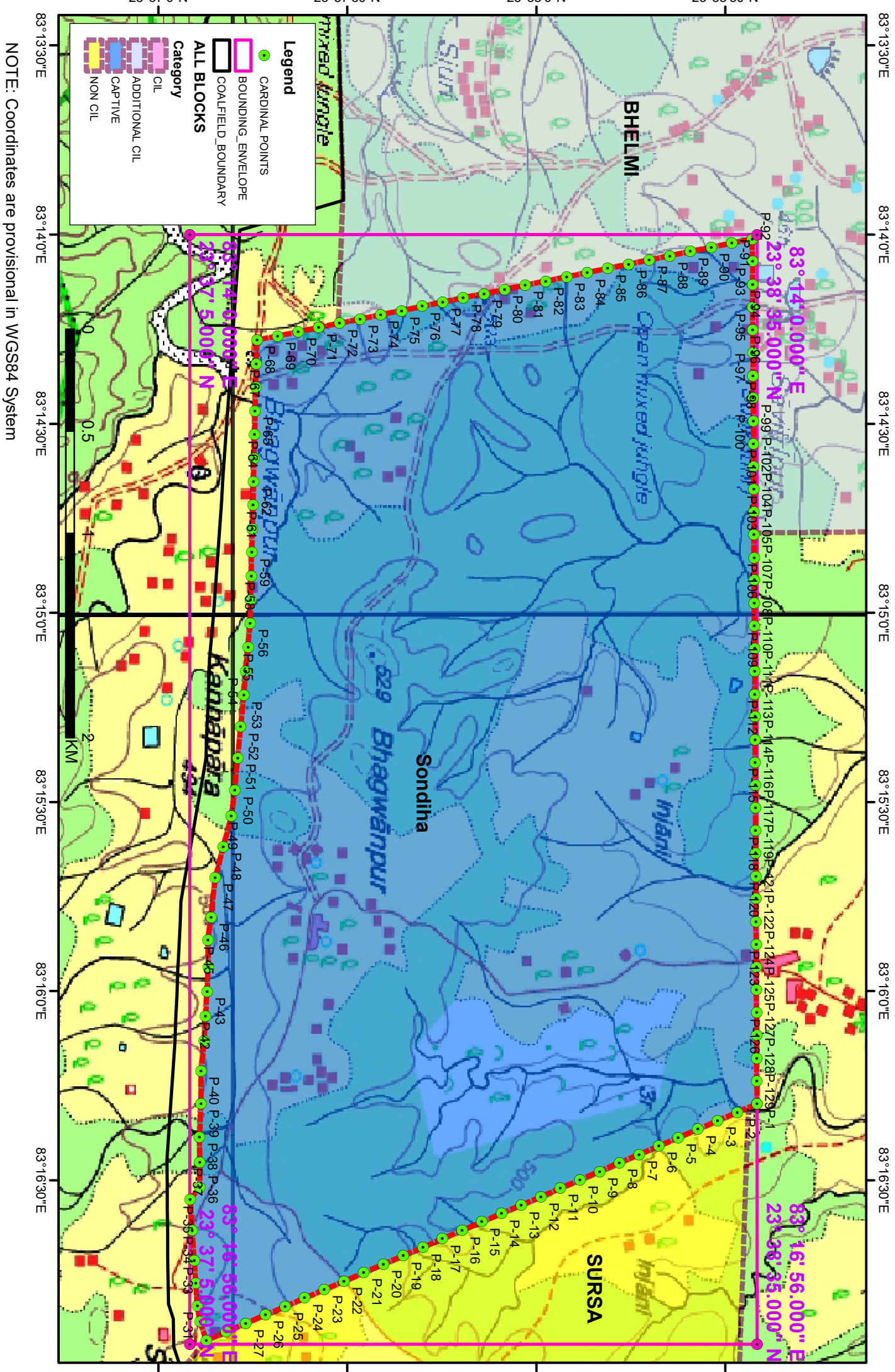
Note:

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.

Sondiha Block, Tatapani-Ramkola Coalfield



NOTE: Coordinates are provisional in WGS84 System

23°37'0"N 23°37'30"N 23°38'0"N 23°38'30"N

83°13'30"E 83°14'0"E 83°14'30"E 83°15'0"E 83°15'30"E 83°16'0"E 83°16'30"E

Legend

- CARDINAL POINTS
- BOUNDING_ENVELOPE
- COALFIELD_BOUNDARY

ALL BLOCKS

Category	Color
CIL	Green
ADDITIONAL CIL	Yellow
CAPTIVE	Blue
NON CIL	Red

0 0.5 2 KM

83°14'0"000"E
23°37'50000"N

83°16'56.000"E
23°37'50000"N

P-92 P-91 P-90 P-89 P-88 P-87 P-86 P-85 P-84 P-83 P-82 P-81 P-80 P-79 P-78 P-77 P-76 P-75 P-74 P-73 P-72 P-71 P-70 P-69 P-68 P-67 P-66 P-65 P-64 P-63 P-62 P-61 P-60 P-59 P-58 P-57 P-56 P-55 P-54 P-53 P-52 P-51 P-50 P-49 P-48 P-47 P-46 P-45 P-44 P-43 P-42 P-41 P-40 P-39 P-38 P-37 P-36 P-35 P-34 P-33 P-32 P-31 P-30 P-29 P-28 P-27

Provisional Cardinal Points for Sondiha Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	83° 16' 17.848" E	23° 38' 34.978" N
P-2	83° 16' 19.188" E	23° 38' 31.858" N
P-3	83° 16' 20.528" E	23° 38' 28.737" N
P-4	83° 16' 21.868" E	23° 38' 25.617" N
P-5	83° 16' 23.207" E	23° 38' 22.497" N
P-6	83° 16' 24.547" E	23° 38' 19.377" N
P-7	83° 16' 25.887" E	23° 38' 16.257" N
P-8	83° 16' 27.227" E	23° 38' 13.137" N
P-9	83° 16' 28.566" E	23° 38' 10.016" N
P-10	83° 16' 29.906" E	23° 38' 6.896" N
P-11	83° 16' 31.246" E	23° 38' 3.776" N
P-12	83° 16' 32.586" E	23° 38' 0.656" N
P-13	83° 16' 33.925" E	23° 37' 57.535" N
P-14	83° 16' 35.265" E	23° 37' 54.415" N
P-15	83° 16' 36.604" E	23° 37' 51.295" N
P-16	83° 16' 37.944" E	23° 37' 48.175" N
P-17	83° 16' 39.284" E	23° 37' 45.054" N
P-18	83° 16' 40.623" E	23° 37' 41.934" N
P-19	83° 16' 41.963" E	23° 37' 38.814" N
P-20	83° 16' 43.302" E	23° 37' 35.694" N
P-21	83° 16' 44.642" E	23° 37' 32.573" N
P-22	83° 16' 45.981" E	23° 37' 29.453" N
P-23	83° 16' 47.321" E	23° 37' 26.333" N
P-24	83° 16' 48.660" E	23° 37' 23.213" N
P-25	83° 16' 50.000" E	23° 37' 20.092" N
P-26	83° 16' 51.339" E	23° 37' 16.972" N
P-27	83° 16' 52.679" E	23° 37' 13.852" N
P-28	83° 16' 54.018" E	23° 37' 10.732" N
P-29	83° 16' 55.357" E	23° 37' 7.611" N
P-30	83° 16' 52.441" E	23° 37' 6.613" N
P-31	83° 16' 49.894" E	23° 37' 6.197" N
P-32	83° 16' 46.313" E	23° 37' 5.928" N
P-33	83° 16' 42.732" E	23° 37' 5.660" N
P-34	83° 16' 37.892" E	23° 37' 5.355" N
P-35	83° 16' 33.052" E	23° 37' 5.050" N
P-36	83° 16' 31.114" E	23° 37' 6.565" N
P-37	83° 16' 27.108" E	23° 37' 6.547" N
P-38	83° 16' 23.102" E	23° 37' 6.529" N
P-39	83° 16' 17.826" E	23° 37' 6.787" N
P-40	83° 16' 12.662" E	23° 37' 6.764" N
P-41	83° 16' 7.803" E	23° 37' 7.281" N
P-42	83° 16' 3.925" E	23° 37' 7.485" N
P-43	83° 16' 0.048" E	23° 37' 7.689" N
P-44	83° 15' 56.170" E	23° 37' 7.893" N
P-45	83° 15' 51.945" E	23° 37' 7.874" N
P-46	83° 15' 48.257" E	23° 37' 8.337" N
P-47	83° 15' 42.028" E	23° 37' 9.012" N
P-48	83° 15' 37.107" E	23° 37' 10.287" N
P-49	83° 15' 32.186" E	23° 37' 11.562" N

Provisional Cardinal Points for Sondiha Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-50	83° 15' 28.179" E	23° 37' 12.101" N
P-51	83° 15' 22.961" E	23° 37' 12.556" N
P-52	83° 15' 18.018" E	23° 37' 13.052" N
P-53	83° 15' 13.075" E	23° 37' 13.548" N
P-54	83° 15' 9.267" E	23° 37' 13.880" N
P-55	83° 15' 5.459" E	23° 37' 14.211" N
P-56	83° 15' 1.650" E	23° 37' 14.543" N
P-57	83° 14' 57.907" E	23° 37' 14.633" N
P-58	83° 14' 54.163" E	23° 37' 14.722" N
P-59	83° 14' 50.419" E	23° 37' 14.812" N
P-60	83° 14' 46.675" E	23° 37' 14.901" N
P-61	83° 14' 42.932" E	23° 37' 14.991" N
P-62	83° 14' 39.188" E	23° 37' 15.080" N
P-63	83° 14' 35.444" E	23° 37' 15.170" N
P-64	83° 14' 31.700" E	23° 37' 15.259" N
P-65	83° 14' 27.957" E	23° 37' 15.349" N
P-66	83° 14' 24.213" E	23° 37' 15.438" N
P-67	83° 14' 20.469" E	23° 37' 15.527" N
P-68	83° 14' 16.725" E	23° 37' 15.617" N
P-69	83° 14' 16.057" E	23° 37' 18.893" N
P-70	83° 14' 15.389" E	23° 37' 22.169" N
P-71	83° 14' 14.720" E	23° 37' 25.445" N
P-72	83° 14' 14.052" E	23° 37' 28.721" N
P-73	83° 14' 13.384" E	23° 37' 31.996" N
P-74	83° 14' 12.715" E	23° 37' 35.272" N
P-75	83° 14' 12.047" E	23° 37' 38.548" N
P-76	83° 14' 11.379" E	23° 37' 41.824" N
P-77	83° 14' 10.710" E	23° 37' 45.100" N
P-78	83° 14' 10.042" E	23° 37' 48.376" N
P-79	83° 14' 9.373" E	23° 37' 51.652" N
P-80	83° 14' 8.705" E	23° 37' 54.928" N
P-81	83° 14' 8.037" E	23° 37' 58.204" N
P-82	83° 14' 7.368" E	23° 38' 1.480" N
P-83	83° 14' 6.700" E	23° 38' 4.756" N
P-84	83° 14' 6.031" E	23° 38' 8.032" N
P-85	83° 14' 5.363" E	23° 38' 11.308" N
P-86	83° 14' 4.695" E	23° 38' 14.584" N
P-87	83° 14' 4.026" E	23° 38' 17.860" N
P-88	83° 14' 3.358" E	23° 38' 21.136" N
P-89	83° 14' 2.689" E	23° 38' 24.412" N
P-90	83° 14' 2.021" E	23° 38' 27.688" N
P-91	83° 14' 1.352" E	23° 38' 30.964" N
P-92	83° 14' 0.684" E	23° 38' 34.240" N
P-93	83° 14' 4.293" E	23° 38' 34.259" N
P-94	83° 14' 7.903" E	23° 38' 34.279" N
P-95	83° 14' 11.512" E	23° 38' 34.299" N
P-96	83° 14' 15.122" E	23° 38' 34.319" N
P-97	83° 14' 18.732" E	23° 38' 34.339" N
P-98	83° 14' 22.341" E	23° 38' 34.358" N

Provisional Cardinal Points for Sondiha Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-99	83° 14' 25.951" E	23° 38' 34.378" N
P-100	83° 14' 29.560" E	23° 38' 34.398" N
P-101	83° 14' 33.170" E	23° 38' 34.417" N
P-102	83° 14' 36.780" E	23° 38' 34.437" N
P-103	83° 14' 40.389" E	23° 38' 34.457" N
P-104	83° 14' 43.999" E	23° 38' 34.476" N
P-105	83° 14' 47.608" E	23° 38' 34.496" N
P-106	83° 14' 51.218" E	23° 38' 34.515" N
P-107	83° 14' 54.828" E	23° 38' 34.535" N
P-108	83° 14' 58.437" E	23° 38' 34.554" N
P-109	83° 15' 2.047" E	23° 38' 34.574" N
P-110	83° 15' 5.656" E	23° 38' 34.593" N
P-111	83° 15' 9.266" E	23° 38' 34.613" N
P-112	83° 15' 12.875" E	23° 38' 34.632" N
P-113	83° 15' 16.485" E	23° 38' 34.652" N
P-114	83° 15' 20.095" E	23° 38' 34.671" N
P-115	83° 15' 23.704" E	23° 38' 34.690" N
P-116	83° 15' 27.314" E	23° 38' 34.710" N
P-117	83° 15' 30.923" E	23° 38' 34.729" N
P-118	83° 15' 34.533" E	23° 38' 34.748" N
P-119	83° 15' 38.143" E	23° 38' 34.768" N
P-120	83° 15' 41.752" E	23° 38' 34.787" N
P-121	83° 15' 45.362" E	23° 38' 34.806" N
P-122	83° 15' 48.971" E	23° 38' 34.825" N
P-123	83° 15' 52.581" E	23° 38' 34.844" N
P-124	83° 15' 56.191" E	23° 38' 34.863" N
P-125	83° 15' 59.800" E	23° 38' 34.883" N
P-126	83° 16' 3.410" E	23° 38' 34.902" N
P-127	83° 16' 7.019" E	23° 38' 34.921" N
P-128	83° 16' 10.629" E	23° 38' 34.940" N
P-129	83° 16' 14.239" E	23° 38' 34.959" N