WESTERN PART OF GORHI MAHALOI COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details			
1.	Location				
	Coal Block	Western Part of Gorhi-Mahaloi 22°02'59" N - 22°05'01" N (Provisional) 83°24'03" E- 83°27'55" E (Provisional) F44K14 (old Toposheet Nos. 64 N/8 (R.F. 1:50,000)			
	Latitude				
	Longitude				
	Topo Sheet No.				
	Coalfield	Mand Raigarh Coalfield			
	Villages	Tamnar and Gharghoda are important towns located in the area, Gorhi village in western part and Maholi village lies in the eastern part of the block. Village Amaghat is located outside block is situated near the north western boundary of the block.			
	Tehsil/Taluka	Tamnar, Raigarh			
	District	Raigarh			
	State	Chhattisgarh			
2.	Connectivity with Block				
	Nearest Rail Head	Raigarh railway station on Howrah – Nagpur section of South East Central Railway is located in the southern periphery of the coalfield			
	Road	Gorhi-Mahloi block is about 40 km north of Raigarh township and is close to Tehsil Headquarter at Tamnar which lies on Raigarh-Dhorabhatta State Highway.The two villages Gorhi and Maholi are connected to Tamnar Tahsil by an all-weather road. Tamnar is around 35 kms north of Raigarh Railway Station which is on Mumbai – Howrah main line of South East Central Railway.			
	Airport	Raigarh Airport is located approx. 40Km from the block. The air strip is used mainly for small aircraft and choppers.			
3. Area					
	Geological Block Area	20.3 sq. km. (Approximately)			
	Forest Area	9% (Approximately as per FSI map)			
	Non-Forest Area	91% (Approximately)			
4.	Climate and Topography				
	Average Annual Rainfall	1620 mm approximately.			
	Temperature (Min. — Max.)	18° C-45° C			

	Local Surfac Drainage Ch		The block is traversed by two rivers viz.Pajhar nadi and Kelo river, both flowing from north to south, is located in the western part of the block and constitutes the main drainage system. A few ponds are also located within in the block.				
			The minimum ground level is 240.70m in the northwestern part and maximum ground elevation is 251.25m in the Central part of the block.				
	Rivers		constitute the main d	perennial Mand river w brainage of the area. T drains in the eastern par	he Kelo river, a		
5.	Exploration	n					
_	Status		Explored				
	Exploration	Agency	MECL				
	Total Numbe		I) 1 BH by GSI; 432.0	0m			
	Boreholes w	ith	II) 17 BHs (MECL DE	EC 2015) =8355.30m.			
	meterage		III)169 BHs; 87749.0n	,			
			Total -187 BHs; 96,53	36.30 m			
	Borehole De	ensity	9.2 boreholes per sq. km. (Approx.)				
	General Dip of Seams General Strike Direction		Dip varies south westerly from 2- 4°.				
			The general strike of the beds is NW–SE.				
	Faults -		Ten faults viz. F1-F1 and F10-F10 are deciphered to evolve the structure of Western Part of Gorhi Mahloi Block. The faults are of low to medium intensity with throw ranging from 0 to 160 n. The dip of these faults is assumed as 70° to 80°.				
1		Coal Seams & Reserve (Thick Seams: 532.2438MT (Proved+Indicated), Additional for thin Seams: 83.5MT; Total: 615.7438MT)					
6.					d), Additional		
6.		ams: 83.5MT;		Geological Reserve			
6.	for thin Sea		Total: 615.7438MT)	-	d), Additional Grade		
6.	for thin Sea	ms: 83.5MT; Thickness	Total: 615.7438MT)	Geological Reserve			
6.	for thin Sea Coal Seam R8 R7	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43	Total: 615.7438MT) Depth Range (m)	Geological Reserve (Mt)	Grade - G17-G9		
6.	for thin Sea Coal Seam R8 R7 R6	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57	Geological Reserve (Mt) 0	Grade - G17-G9 G17-G12		
6.	for thin SeaCoal SeamR8R7R6R5	Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85	Geological Reserve (Mt) 0 7.1783 2.3681 0	Grade - G17-G9 G17-G12 G17-G14		
6.	for thin SeaCoal SeamR8R7R6R5R4	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15		
6.	for thin SeaCoal SeamR8R7R6R5R4R3	Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0.6697	Grade - G17-G9 G17-G12 G17-G14		
6.	for thin SeaCoal SeamR8R7R6R5R4R3R2 TOP	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.09-0.85	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0 0.6697 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15		
6.	for thin SeaCoal SeamR8R7R6R5R4R3R2 TOPR2 BOT	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0.6697 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - -		
6.	for thin SeaCoal SeamR8R7R6R5R4R3R2 TOPR2 BOTR1 TOP	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3 0.12-0.97	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248 13.3-298.29	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - - G17-G11		
6.	for thin Sea Coal Seam R8 R7 R6 R5 R4 R3 R2 TOP R2 BOT R1 TOP R1 MID	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3 0.12-0.97 0.17-1.54	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248 13.3-298.29 13.93-299.35	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - - G17-G11 G17-G11		
6.	for thin Sea Coal Seam R8 R7 R6 R5 R4 R3 R2 TOP R2 BOT R1 TOP R1 MID R1 BOT	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3 0.12-0.97 0.17-1.54 0.32-1.24	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248 13.3-298.29 13.93-299.35 9-295.45	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0.6697 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - - G17-G11		
6.	for thin Sea Coal Seam R8 R7 R6 R5 R4 R3 R2 TOP R2 BOT R1 TOP R1 MID R1 MID R1 BOT LOCAL-1	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3 0.12-0.97 0.17-1.54 0.32-1.24 0.06-0.17	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248 13.3-298.29 13.93-299.35 9-295.45 111.24-131.87	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - - G17-G11 G17-G11		
6.	for thin Sea Coal Seam R8 R7 R6 R5 R4 R3 R2 TOP R2 BOT R1 TOP R1 MID R1 BOT LOCAL-1 X LD	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3 0.12-0.97 0.17-1.54 0.32-1.24	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248 13.3-298.29 13.93-299.35 9-295.45	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - - G17-G11 G17-G11 G17-G11 G15-G12 - - - - - - - - - - - - -		
6.	for thin Sea Coal Seam R8 R7 R6 R5 R4 R3 R2 TOP R2 BOT R1 TOP R1 MID R1 MID R1 BOT LOCAL-1	ams: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3 0.12-0.97 0.17-1.54 0.32-1.24 0.06-0.17 0.03-1.58	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248 13.3-298.29 13.93-299.35 9-295.45 111.24-131.87 115.78-362.12	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - - G17-G11 G17-G11		
6.	for thin Sea Coal Seam R8 R7 R6 R5 R4 R3 R2 TOP R2 BOT R1 TOP R1 MID R1 BOT LOCAL-1 X LD X LC	ms: 83.5MT; Thickness range (m) 0.12-0.44 1.03-5.43 0.4-1.75 0.15-1.18 0.14-1.61 0.12-1.2 0.09-0.85 0.2-0.3 0.12-0.97 0.17-1.54 0.32-1.24 0.06-0.17 0.03-1.58 0.05-1.21	Total: 615.7438MT) Depth Range (m) 147.55-154.12 8.03-186.56 10.28-196.57 7.9-210.85 8.7-223.14 13.46-234.89 17.14-246.47 23.77-248 13.93-298.29 13.93-298.35 9-295.45 111.24-131.87 115.78-362.12 123.78-381.09	Geological Reserve (Mt) 0 7.1783 2.3681 0 0 0 0 0.6697 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Grade - G17-G9 G17-G12 G17-G14 G15-G15 G17-G12 - - G17-G11 G17-G11 G17-G11 G15-G12 - - - - - - - - - - - - -		

	х вот	0.1-2.3	2/1	227.09-670	11.0881	G17-G9	
	IX L3	0.1-2.		227.09-670	0		
	IX L2	0.00		241.9-697.94	46.5243	G17-G6	
	IX L2	0.16-1.		250.71-529.58	1.8529	G17-G0	
	IX TOP	0.15-1.		258.27-538.71	5.5678	G10-G5	
	IX BOT	0.06-4.		268.35-556.1	36.7801	G17-08	
	BAND-A	0.63-0.		352.3-366.66	0	-	
		0.05-0.		272.83-370.8	0.8033	G16-G8	
	VIII BOT	0.13-1.		274.44-382.9	0.026	G10-G8	
	VIII COMB	0.05-2.		299.98-569.85	1.9645	G13-G7	
	VIII COIVIB VIII TOP	0.05-2.		299.98-509.85	0	G16-G6	
	VII IOP VII BOT	1.09-6.		298.51-768.2	104.061	G14-G6	
	VI TOP	0.73-7.		307-589.41	44.5946	G14-00 G15-G11	
	VI BOT		-				
		0.32-5.		312.53-591.7	7.5439	G17-G10	
	VICOMB	0.5-9.1		315-781.95	140.5416	G15-G8	
	VIL	0.07-6		316.13-791.36	9.5743	G17-G9	
	VI L1	0.2-9.2		324.04-800.03	58.4278	G17-G9	
	VI L2	0.09-1.	-	329.51-817.26	0	G17-G6	
	BAND-1 TOP	0.14-1		339.87-829	0	G11-G11	
	BAND-1 BOT	0.09-1.	73	346.4-662.48	0	G15-G11	
	BAND-1	3.9-3.	9	369.4-369.4			
	СОМВ				0	-	
	ν τορ	0.09-1.		365.28-847	0.9618	G17-G9	
	V BOT TOP	0.1-1.		378.34-849.13	2.5923	G17-G9	
	V BOT BOT	0.1-1.2		373.66-850.88	0	G17-G7	
	L3 TOP	0.11-1	.4	474.25-849.06	0	G17-G8	
	L3 BOT	0.06-1		477.2-852.07	0	G17-G7	
	L3 COMB	1.42-1.	42	631.82-631.82	0		
	IV	0.66-2.	89	490.63-641.17	0	G12-G12	
	BAND-3 COMB	0.3-0.	3	447.1-447.1	0	-	
	111	0.3-0.	7	493.69-703.46	0	-	
	BAND-4 TOP	0.13-0.	13	533.7-533.7	0	-	
	I	0.33-0.	33	677.78-677.78	0	-	
			Total 532.2438				
Apart from this resource of coal seam thickness computed separately in Western Part of Gorhi M and 'Indicated' of above thickness are calculated tonnes in respectively.				stern Part of Gorhi Ma ckness are calculated a	hloi Block. The resource under 'Proved'		
7.	Surface Constraints Proposed alignment of rail corridor of NTPC MGR passes through block. Grade of the block G12 (Provisional), based on weighted average grade as per grade resources in DGR.			the passes through the			
8.				le as per grade-wise			
9.	Decision Support System (DSS) AnalysisHydrology info: The polygon touches major river(s)- Kelo River- Wildlife info: The polygon touches Wildlife Habitat(s)- Sloth Bea Elephant Grid						
10.	Eco Sensitive Zone (ESZ)SE boundary of the block is approx. 37 km from the boundary of H of Debrigarh. SE boundary of the block is approx. 60 km from boundary of ESZ of Sambalpur Elephant Region and NW bound of the block is approx. 38 km from the boundary of buffer zone unnotified Lemru Elephant Reserve.			ox. 60 km from the and NW boundary			

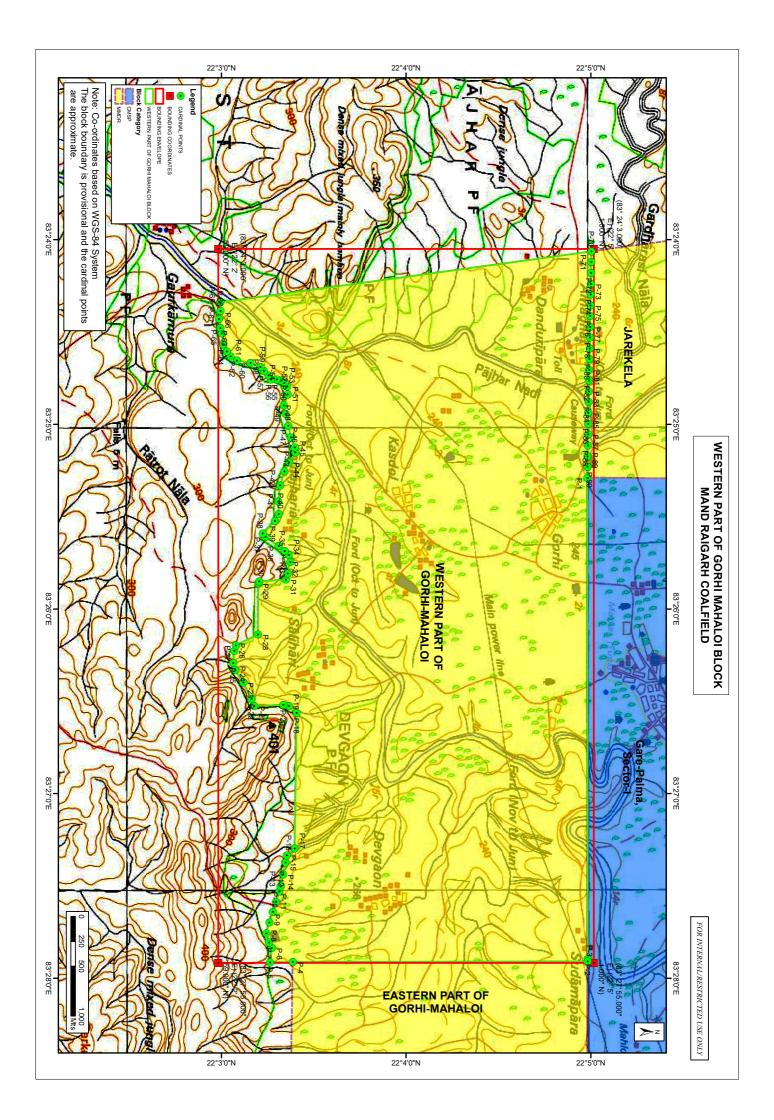
Sr. No.	Features	Details
1	Tentative Peak rated Capacity (Mty)	1.74

Note:

- Summary is compiled from Draft Geological Report on Detailed Exploration for Coal in Western Part of Gorhi Mahloi Block, Mand Raigarh Coalfield, District – Raigarh, Chhattisgarh, MECL, March-2021.
- **2)** The bounding coordinates and cardinal points are extracted from ArcGIS software and on ground DGPS survey is required to ascertain the exact location of the boundary.
- **3)** Weighted average grade is calculated from the grade-wise resource data available in DGR and is subject to change.

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.



Provisional cardina	l points for Western part Mand Raigarh coalfiel	
Point	Longitude	Latitude
P-1	83° 25' 17.333" E	22° 4' 58.848" N
P-2	83° 27' 53.762" E	22° 4' 58.990" N
P-3	83° 27' 54.540" E	22° 4' 58.990" N
P-4	83° 27' 54.802" E	22° 3' 23.236" N
P-5	83° 27' 54.831" E	22° 3' 15.833" N
P-6	83° 27' 50.203" E	22° 3' 16.379" N
P-7	83° 27' 48.339" E	22° 3' 15.495" N
P-8	83° 27' 45.342" E	22° 3' 14.623" N
P-9	83° 27' 41.953" E	22° 3' 15.672" N
P-10	83° 27' 38.565" E	22° 3' 16.722" N
P-11	83° 27' 35.176" E	22° 3' 17.771" N
P-12	83° 27' 31.787" E	22° 3' 18.821" N
P-13	83° 27' 30.215" E	22° 3' 19.222" N
P-14	83° 27' 26.313" E	22° 3' 20.046" N
P-15	83° 27' 22.410" E	22° 3' 20.870" N
P-16	83° 27' 20.106" E	22° 3' 21.220" N
P-17	83° 27' 17.855" E	22° 3' 23.792" N
P-18	83° 26' 33.870" E	22° 3' 24.451" N
P-19	83° 26' 31.462" E	22° 3' 21.863" N
P-20	83° 26' 31.155" E	22° 3' 20.089" N
P-21	83° 26' 31.578" E	22° 3' 10.723" N
P-22	83° 26' 29.278" E	22° 3' 9.836" N
P-23	83° 26' 23.899" E	22° 3' 7.085" N
P-24	83° 26' 19.775" E	22° 3' 4.501" N
P-25	83° 26' 17.474" E	22° 3' 3.858" N
P-26	83° 26' 13.582" E	22° 3' 4.251" N
P-27	83° 26' 11.818" E	22° 3' 4.716" N
P-28	83° 26' 8.282" E	22° 3' 11.876" N
P-29	83° 25' 51.690" E	22° 3' 11.995" N
P-30	83° 25' 51.044" E	22° 3' 12.253" N
P-31	83° 25' 50.379" E	22° 3' 20.935" N
P-32	83° 25' 48.371" E	22° 3' 21.562" N
P-33	83° 25' 44.616" E	22° 3' 22.426" N
P-34	83° 25' 42.437" E	22° 3' 21.882" N
P-35	83° 25' 41.187" E	22° 3' 20.544" N
P-36	83° 25' 39.485" E	22° 3' 18.553" N
P-37	83° 25' 36.625" E	22° 3' 14.282" N
P-38	83° 25' 35.494" E	22° 3' 13.416" N
P-39	83° 25' 31.412" E	22° 3' 17.418" N
P-40	83° 25' 29.035" E	22° 3' 18.629" N
P-41	83° 25' 25.093" E	22° 3' 18.436" N
P-42	83° 25' 19.838" E	22° 3' 19.181" N
P-43	83° 25' 15.331" E	22° 3' 20.449" N
P-44	83° 25' 12.446" E	22° 3' 22.016" N
P-45	83° 25' 9.123" E	22° 3' 24.037" N

Provisional cardina	al points for Western part Mand Raigarh coalfiel	
Point	Longitude	Latitude
P-46	83° 25' 7.484" E	22° 3' 23.852" N
P-47	83° 25' 4.261" E	22° 3' 22.620" N
P-48	83° 25' 0.418" E	22° 3' 21.728" N
P-49	83° 24' 56.575" E	22° 3' 20.835" N
P-50	83° 24' 53.838" E	22° 3' 20.305" N
P-51	83° 24' 50.256" E	22° 3' 21.625" N
P-52	83° 24' 47.692" E	22° 3' 21.388" N
P-53	83° 24' 46.510" E	22° 3' 20.505" N
P-54	83° 24' 45.643" E	22° 3' 19.282" N
P-55	83° 24' 45.386" E	22° 3' 18.061" N
P-56	83° 24' 45.394" E	22° 3' 16.126" N
P-57	83° 24' 44.159" E	22° 3' 15.259" N
P-58	83° 24' 42.526" E	22° 3' 13.822" N
P-59	83° 24' 41.274" E	22° 3' 12.711" N
P-60	83° 24' 39.980" E	22° 3' 9.438" N
P-61	83° 24' 39.179" E	22° 3' 5.011" N
P-62	83° 24' 37.879" E	22° 3' 2.957" N
P-63	83° 24' 36.192" E	22° 3' 1.731" N
P-64	83° 24' 34.121" E	22° 3' 0.617" N
P-65	83° 24' 30.494" E	22° 3' 0.197" N
P-66	83° 24' 28.630" E	22° 2' 59.670" N
P-67	83° 24' 25.683" E	22° 2' 59.252" N
P-68	83° 24' 23.117" E	22° 2' 59.649" N
P-69	83° 24' 20.331" E	22° 2' 59.590" N
P-70	83° 24' 3.753" E	22° 5' 0.245" N
P-71	83° 24' 7.256" E	22° 5' 0.179" N
P-72	83° 24' 10.760" E	22° 5' 0.113" N
P-73	83° 24' 14.264" E	22° 5' 0.046" N
P-74	83° 24' 17.768" E	22° 4' 59.980" N
P-75	83° 24' 21.272" E	22° 4' 59.913" N
P-76	83° 24' 24.776" E	22° 4' 59.847" N
P-77	83° 24' 28.280" E	22° 4' 59.780" N
P-78	83° 24' 31.783" E	22° 4' 59.714" N
P-79	83° 24' 35.287" E	22° 4' 59.647" N
P-80	83° 24' 38.791" E	22° 4' 59.581" N
P-81	83° 24' 42.295" E	22° 4' 59.514" N
P-82	83° 24' 45.799" E	22° 4' 59.448" N
P-83	83° 24' 49.303" E	22° 4' 59.381" N
P-84	83° 24' 52.806" E	22° 4' 59.315" N
P-85	83° 24' 56.310" E	22° 4' 59.248" N
P-86	83° 24' 59.814" E	22° 4' 59.181" N
P-87	83° 25' 3.318" E	22° 4' 59.115" N
P-88	83° 25' 6.822" E	22° 4' 59.048" N
P-89	83° 25' 10.326" E	22° 4' 58.981" N
P-90	83° 25' 13.829" E	22° 4' 58.914" N