Marki Barka Coal Block Summary

PART A

Sr. No.	Features	Details
1.	**Location**	
	Coal Block	**Marki Barka**
	Latitude	24° 10' 23" N to 24° 12' 13" N (Provisional)
	Longitude	82° 12' 43" E to 82° 14' 42" E (Provisional)
	Topo Sheet No.	SOI Toposheet no 63 L/4
	Coalfield	Singrauli
	Villages	Pindara (As per SOI Topo sheet)
	District	Singrauli
	State	Madhya Pradesh
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest railway station is Saraigram, about 15kms in south from the southern boundary of the block and Bargawa are on the Katni – Chopne Line.
	Road	The block is well connected by road. It is situated at about 25 kms from Bargawa town on Sarai road. The junction point of Sarai road and Bargawa-Sidhi road is about 10 kms from Bargawa. From this junction the block is about 15kms.
3.	**Area**	
	Geological Block Area	6.90 sq. km. (As per shape file. Refer Note No. 3)
	Forest Area	40% (As per FSI Map) (Purail Protected Forest Zone)
	Non-Forest Area	60% (Cultivated Land)
4.	**Climate and Topography**	
	Average Annual Rainfall	125-150cm
	Temperature (Min. — Max.)	5°C to 46°C
	Local Surface Drainage Channels	A number of small nalas travers the block, mainly from south and north towards east. The drainage of the area is controlled by the Mahan Nadi and Dhamar Nadi, a tributary of Mahan Nadi. The Mahan nadi flows from NW-SE direction about 1 - 3km NE of the block and the Dhamar Nadi flows from west to east at about 0.5 – 3km south of the block. Beside these many small seasonal nalas drain the area.
	Rivers	A number of small nalas within the block.
5.	**Exploration**	
	Status	Explored
	Exploration Agency	Shreeram Gemicon (P) Limited for Madhya Pradesh State Mining Corporation Limited Corporation.
	Total Number of Boreholes with meterage	63 boreholes and 14005.25m.

	Borehole Density	9.13 boreholes per sq. km.			
	General Dip of Seams	The amount of dip varies from 15°-20° in the South-Eastern part. 10° in the northern part. 5°-8° in the central, southern and south western part.			
	General Strike Direction	In the north western part it is NW to SE, in the eastern and central part it is nearly east-west and in the southern and SE part it is NE – SW.			
6.	**Coal Seams & Reserve**				
	Number of Coal Seams	Thickness Range (m)	Depth Range (m) (Roof)	Net Proved Reserves (Mt.)	Grade
	VIII	0.25 – 1.52	10.80 – 112.00	0.339	G – F
	VIIT	0.50 – 3.73	21.15 – 146.00	8.754	G – F
	VIIM	0.30 – 0.74	24.00 – 150.22	-	E
	VIIB	0.32 – 5.00	11.00 – 169.20	17.899	F – G
	V	0.50 – 2.30	60.23 – 244.35	2.455	G – F
	IVT	0.28 – 3.36	76.33 – 273.65	14.943	F – G
	IVM	0.35 – 1.15	82.15 – 268.75	-	E – D
	IVB	0.24 – 4.09	85.40 – 279.30	17.333	E – G
	II	0.12 – 2.60	127.20 – 306.75	10.331	F – C
	I	0.15 – 1.40	165.67 – 316.05	-	E – C
			TOTAL	**72.054**	
7.	**Surface Constraints**	NA			

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	Madhya Pradesh State Mining Corporation Ltd. (MPSMC) Paryavas Bhavan Block No. 1(A), Second Floor, Jail Road, Arera Hills, Bhopal – 462 011
2.	**Mine Capacity as per Mining Plan**	**1.0 MTY**
3.	**Status of Clearances/Approvals**	
	Mining Plan/ Mine Closure Plan	Approved vide MoC letter No. 13016/34/2011-CA-I dated 22.02.2013
	Forest Clearance	Stage I clearance granted vide MoEF letter No. 8-64/2012-Fc dated 05.05.2014
	Environmental Clearance	Granted vide MoEF&CC letter No. J-11015/288/2011-IA.II(M) dated 16.07.2014
	Mining Lease	Not granted
	Land Acquisition	Land acquisition for 11.52 Ha was under process at the time of deallocation
	No. of PAFs as per Mining Plan/ Mine Closure Plan	Nil
4.	**Surface Infrastructure already built, if any.**	NO

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 may be 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.

Marki Barka Block, Singrauli Coalfield

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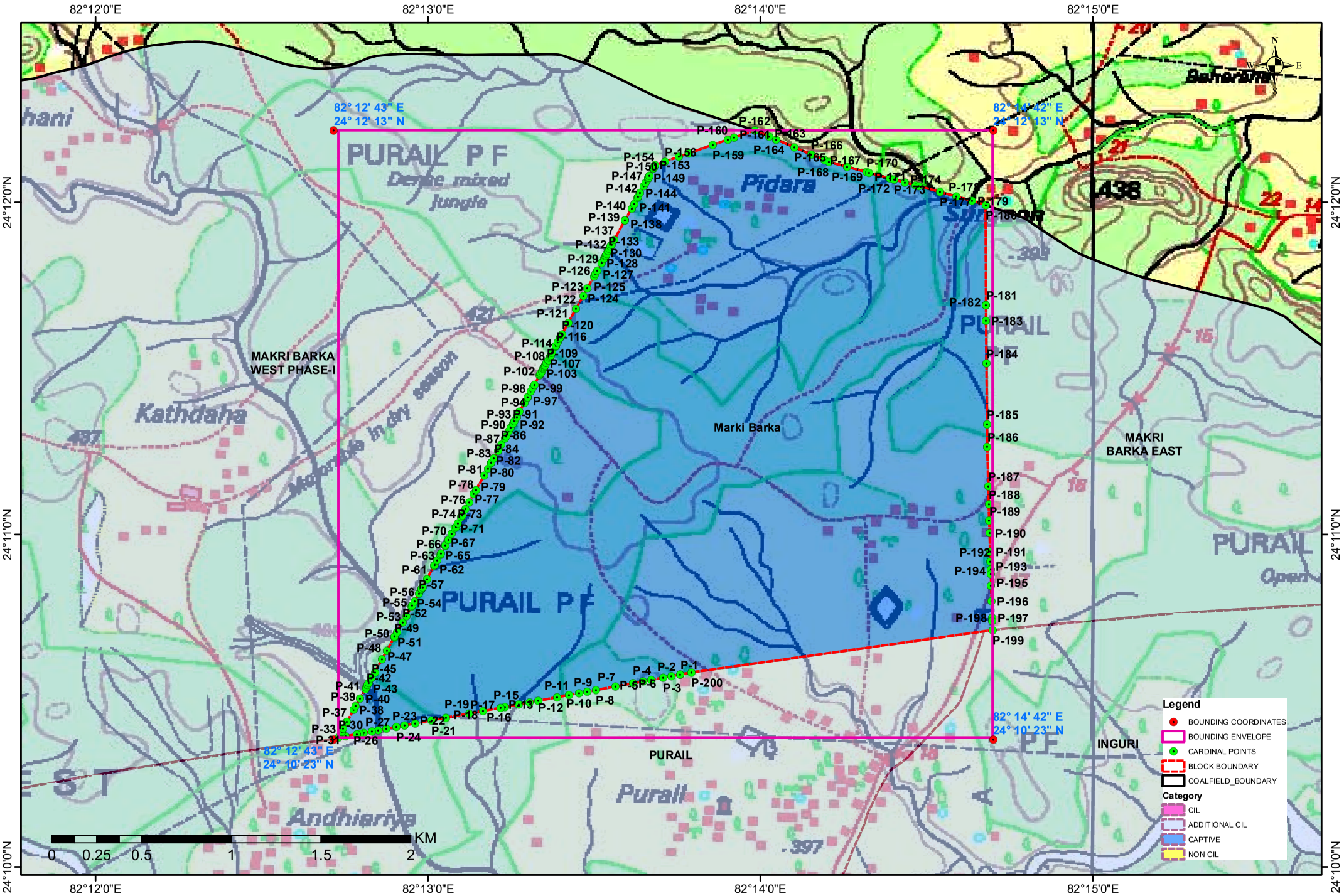

NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Marki Barka Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	82° 13' 45.522" E	24° 10' 34.738" N
P-2	82° 13' 43.865" E	24° 10' 34.426" N
P-3	82° 13' 42.421" E	24° 10' 34.175" N
P-4	82° 13' 40.293" E	24° 10' 33.768" N
P-5	82° 13' 38.800" E	24° 10' 33.498" N
P-6	82° 13' 36.980" E	24° 10' 33.165" N
P-7	82° 13' 33.867" E	24° 10' 32.582" N
P-8	82° 13' 30.289" E	24° 10' 31.929" N
P-9	82° 13' 28.754" E	24° 10' 31.640" N
P-10	82° 13' 27.232" E	24° 10' 31.356" N
P-11	82° 13' 25.425" E	24° 10' 31.018" N
P-12	82° 13' 23.246" E	24° 10' 30.612" N
P-13	82° 13' 19.924" E	24° 10' 30.002" N
P-14	82° 13' 18.257" E	24° 10' 29.697" N
P-15	82° 13' 16.345" E	24° 10' 29.337" N
P-16	82° 13' 13.866" E	24° 10' 28.877" N
P-17	82° 13' 13.074" E	24° 10' 28.723" N
P-18	82° 13' 9.983" E	24° 10' 28.151" N
P-19	82° 13' 7.459" E	24° 10' 27.688" N
P-20	82° 13' 3.218" E	24° 10' 26.912" N
P-21	82° 13' 0.620" E	24° 10' 26.420" N
P-22	82° 12' 57.637" E	24° 10' 25.882" N
P-23	82° 12' 55.775" E	24° 10' 25.537" N
P-24	82° 12' 54.251" E	24° 10' 25.267" N
P-25	82° 12' 52.491" E	24° 10' 24.935" N
P-26	82° 12' 50.982" E	24° 10' 24.665" N
P-27	82° 12' 49.815" E	24° 10' 24.454" N
P-28	82° 12' 48.443" E	24° 10' 24.187" N
P-29	82° 12' 47.651" E	24° 10' 24.053" N
P-30	82° 12' 47.123" E	24° 10' 23.950" N
P-31	82° 12' 45.143" E	24° 10' 23.594" N
P-32	82° 12' 43.824" E	24° 10' 23.360" N
P-33	82° 12' 44.387" E	24° 10' 24.390" N
P-34	82° 12' 44.391" E	24° 10' 24.397" N
P-35	82° 12' 44.391" E	24° 10' 24.398" N
P-36	82° 12' 44.711" E	24° 10' 24.983" N
P-37	82° 12' 45.380" E	24° 10' 26.198" N
P-38	82° 12' 46.594" E	24° 10' 28.390" N
P-39	82° 12' 46.971" E	24° 10' 29.041" N
P-40	82° 12' 47.747" E	24° 10' 30.384" N
P-41	82° 12' 48.704" E	24° 10' 32.104" N
P-42	82° 12' 48.888" E	24° 10' 32.430" N
P-43	82° 12' 49.124" E	24° 10' 32.871" N
P-44	82° 12' 49.321" E	24° 10' 33.226" N
P-45	82° 12' 49.793" E	24° 10' 34.092" N
P-46	82° 12' 50.368" E	24° 10' 35.111" N
P-47	82° 12' 51.692" E	24° 10' 37.483" N

Provisional Cardinal Points for Marki Barka Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	82° 12' 52.561" E	24° 10' 39.031" N
P-49	82° 12' 53.891" E	24° 10' 41.422" N
P-50	82° 12' 53.982" E	24° 10' 41.587" N
P-51	82° 12' 54.420" E	24° 10' 42.393" N
P-52	82° 12' 55.372" E	24° 10' 44.121" N
P-53	82° 12' 56.042" E	24° 10' 45.285" N
P-54	82° 12' 57.031" E	24° 10' 47.021" N
P-55	82° 12' 57.129" E	24° 10' 47.197" N
P-56	82° 12' 57.543" E	24° 10' 47.946" N
P-57	82° 12' 58.363" E	24° 10' 49.349" N
P-58	82° 12' 58.819" E	24° 10' 50.174" N
P-59	82° 12' 58.824" E	24° 10' 50.182" N
P-60	82° 12' 58.997" E	24° 10' 50.495" N
P-61	82° 12' 59.803" E	24° 10' 51.954" N
P-62	82° 13' 1.134" E	24° 10' 54.386" N
P-63	82° 13' 1.201" E	24° 10' 54.510" N
P-64	82° 13' 1.658" E	24° 10' 55.359" N
P-65	82° 13' 2.185" E	24° 10' 56.337" N
P-66	82° 13' 2.323" E	24° 10' 56.593" N
P-67	82° 13' 3.103" E	24° 10' 57.964" N
P-68	82° 13' 3.163" E	24° 10' 58.073" N
P-69	82° 13' 3.700" E	24° 10' 59.042" N
P-70	82° 13' 4.309" E	24° 11' 0.145" N
P-71	82° 13' 4.878" E	24° 11' 1.185" N
P-72	82° 13' 4.989" E	24° 11' 1.389" N
P-73	82° 13' 5.356" E	24° 11' 2.062" N
P-74	82° 13' 5.981" E	24° 11' 3.174" N
P-75	82° 13' 6.152" E	24° 11' 3.478" N
P-76	82° 13' 6.772" E	24° 11' 4.623" N
P-77	82° 13' 7.420" E	24° 11' 5.813" N
P-78	82° 13' 8.252" E	24° 11' 7.355" N
P-79	82° 13' 8.632" E	24° 11' 8.059" N
P-80	82° 13' 10.146" E	24° 11' 10.678" N
P-81	82° 13' 10.805" E	24° 11' 11.865" N
P-82	82° 13' 11.337" E	24° 11' 12.823" N
P-83	82° 13' 11.433" E	24° 11' 13.004" N
P-84	82° 13' 11.871" E	24° 11' 13.794" N
P-85	82° 13' 12.584" E	24° 11' 15.104" N
P-86	82° 13' 13.212" E	24° 11' 16.236" N
P-87	82° 13' 13.860" E	24° 11' 17.362" N
P-88	82° 13' 14.076" E	24° 11' 17.741" N
P-89	82° 13' 14.593" E	24° 11' 18.675" N
P-90	82° 13' 14.936" E	24° 11' 19.309" N
P-91	82° 13' 15.347" E	24° 11' 20.050" N
P-92	82° 13' 15.609" E	24° 11' 20.516" N
P-93	82° 13' 15.990" E	24° 11' 21.214" N
P-94	82° 13' 16.535" E	24° 11' 22.213" N

Provisional Cardinal Points for Marki Barka Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	82° 13' 17.389" E	24° 11' 23.775" N
P-96	82° 13' 17.938" E	24° 11' 24.756" N
P-97	82° 13' 17.958" E	24° 11' 24.791" N
P-98	82° 13' 18.551" E	24° 11' 25.853" N
P-99	82° 13' 18.915" E	24° 11' 26.517" N
P-100	82° 13' 19.206" E	24° 11' 27.048" N
P-101	82° 13' 20.152" E	24° 11' 28.766" N
P-102	82° 13' 20.242" E	24° 11' 28.964" N
P-103	82° 13' 20.332" E	24° 11' 29.160" N
P-104	82° 13' 20.548" E	24° 11' 29.552" N
P-105	82° 13' 20.820" E	24° 11' 29.977" N
P-106	82° 13' 20.923" E	24° 11' 30.166" N
P-107	82° 13' 21.037" E	24° 11' 30.363" N
P-108	82° 13' 21.146" E	24° 11' 30.551" N
P-109	82° 13' 21.420" E	24° 11' 31.048" N
P-110	82° 13' 21.661" E	24° 11' 31.501" N
P-111	82° 13' 21.928" E	24° 11' 31.979" N
P-112	82° 13' 22.031" E	24° 11' 32.159" N
P-113	82° 13' 22.121" E	24° 11' 32.313" N
P-114	82° 13' 22.443" E	24° 11' 32.900" N
P-115	82° 13' 23.019" E	24° 11' 33.990" N
P-116	82° 13' 23.077" E	24° 11' 34.093" N
P-117	82° 13' 23.444" E	24° 11' 34.748" N
P-118	82° 13' 23.782" E	24° 11' 35.412" N
P-119	82° 13' 23.899" E	24° 11' 35.627" N
P-120	82° 13' 24.177" E	24° 11' 36.141" N
P-121	82° 13' 25.291" E	24° 11' 38.207" N
P-122	82° 13' 26.691" E	24° 11' 40.771" N
P-123	82° 13' 28.019" E	24° 11' 43.094" N
P-124	82° 13' 28.760" E	24° 11' 44.478" N
P-125	82° 13' 29.917" E	24° 11' 46.598" N
P-126	82° 13' 30.225" E	24° 11' 47.099" N
P-127	82° 13' 30.521" E	24° 11' 47.638" N
P-128	82° 13' 31.279" E	24° 11' 49.052" N
P-129	82° 13' 31.749" E	24° 11' 49.879" N
P-130	82° 13' 31.989" E	24° 11' 50.301" N
P-131	82° 13' 32.069" E	24° 11' 50.445" N
P-132	82° 13' 32.220" E	24° 11' 50.717" N
P-133	82° 13' 32.509" E	24° 11' 51.235" N
P-134	82° 13' 32.745" E	24° 11' 51.682" N
P-135	82° 13' 32.961" E	24° 11' 52.073" N
P-136	82° 13' 33.120" E	24° 11' 52.340" N
P-137	82° 13' 33.614" E	24° 11' 53.253" N
P-138	82° 13' 35.550" E	24° 11' 56.751" N
P-139	82° 13' 35.554" E	24° 11' 56.758" N
P-140	82° 13' 36.724" E	24° 11' 58.852" N
P-141	82° 13' 37.199" E	24° 11' 59.713" N

Provisional Cardinal Points for Marki Barka Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-142	82° 13' 37.805" E	24° 12' 0.839" N
P-143	82° 13' 37.912" E	24° 12' 1.039" N
P-144	82° 13' 38.289" E	24° 12' 1.731" N
P-145	82° 13' 38.948" E	24° 12' 2.934" N
P-146	82° 13' 39.284" E	24° 12' 3.537" N
P-147	82° 13' 39.660" E	24° 12' 4.243" N
P-148	82° 13' 39.760" E	24° 12' 4.416" N
P-149	82° 13' 39.793" E	24° 12' 4.474" N
P-150	82° 13' 39.983" E	24° 12' 4.805" N
P-151	82° 13' 40.681" E	24° 12' 6.078" N
P-152	82° 13' 40.682" E	24° 12' 6.079" N
P-153	82° 13' 40.742" E	24° 12' 6.188" N
P-154	82° 13' 40.877" E	24° 12' 6.470" N
P-155	82° 13' 41.011" E	24° 12' 6.748" N
P-156	82° 13' 42.770" E	24° 12' 7.356" N
P-157	82° 13' 45.302" E	24° 12' 8.242" N
P-158	82° 13' 47.071" E	24° 12' 8.854" N
P-159	82° 13' 51.383" E	24° 12' 10.364" N
P-160	82° 13' 54.132" E	24° 12' 11.325" N
P-161	82° 13' 55.245" E	24° 12' 11.711" N
P-162	82° 13' 58.949" E	24° 12' 12.990" N
P-163	82° 14' 1.614" E	24° 12' 11.877" N
P-164	82° 14' 2.886" E	24° 12' 11.322" N
P-165	82° 14' 6.109" E	24° 12' 9.947" N
P-166	82° 14' 9.186" E	24° 12' 8.636" N
P-167	82° 14' 11.545" E	24° 12' 7.652" N
P-168	82° 14' 12.339" E	24° 12' 7.304" N
P-169	82° 14' 15.658" E	24° 12' 6.408" N
P-170	82° 14' 19.150" E	24° 12' 5.471" N
P-171	82° 14' 19.659" E	24° 12' 5.317" N
P-172	82° 14' 23.324" E	24° 12' 4.333" N
P-173	82° 14' 24.112" E	24° 12' 4.112" N
P-174	82° 14' 26.048" E	24° 12' 3.581" N
P-175	82° 14' 28.011" E	24° 12' 3.069" N
P-176	82° 14' 28.520" E	24° 12' 2.933" N
P-177	82° 14' 32.392" E	24° 12' 1.878" N
P-178	82° 14' 35.399" E	24° 12' 1.050" N
P-179	82° 14' 38.165" E	24° 12' 0.304" N
P-180	82° 14' 40.630" E	24° 11' 59.505" N
P-181	82° 14' 40.704" E	24° 11' 41.466" N
P-182	82° 14' 40.704" E	24° 11' 41.408" N
P-183	82° 14' 40.715" E	24° 11' 38.623" N
P-184	82° 14' 40.792" E	24° 11' 30.917" N
P-185	82° 14' 40.881" E	24° 11' 19.923" N
P-186	82° 14' 40.948" E	24° 11' 15.852" N
P-187	82° 14' 41.098" E	24° 11' 8.723" N
P-188	82° 14' 41.183" E	24° 11' 5.478" N

Provisional Cardinal Points for Marki Barka Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-189	82° 14' 41.288" E	24° 11' 2.531" N
P-190	82° 14' 41.348" E	24° 11' 0.297" N
P-191	82° 14' 41.445" E	24° 10' 56.935" N
P-192	82° 14' 41.505" E	24° 10' 55.116" N
P-193	82° 14' 41.544" E	24° 10' 53.690" N
P-194	82° 14' 41.575" E	24° 10' 52.865" N
P-195	82° 14' 41.641" E	24° 10' 50.776" N
P-196	82° 14' 41.731" E	24° 10' 48.000" N
P-197	82° 14' 41.821" E	24° 10' 44.993" N
P-198	82° 14' 41.838" E	24° 10' 44.405" N
P-199	82° 14' 41.888" E	24° 10' 42.733" N
P-200	82° 13' 47.541" E	24° 10' 35.106" N