BHASKARPARA COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1.	**Location**	
	Coal Block	BHASKARPARA
	Latitude	23º 21’ 20” to 23º 22’ 42” (Provisional)
	Longitude	82º 45’ 05” to 82º 48’ 09” (Provisional)
	Topo Sheet No.	64 J/11 & 64 I/15
	Coalfield	Jhilimili
	Villages	Ammakhoka, Dallabahara (As per SoI Toposheet no. F44E15)
	Tehsil/Taluka	Surajpur
	District	Surajpur
	State	Chhattisgarh
2.	**Connectivity with Block**	
	Nearest Rail Head	The Katora railway station on Bijuri-Karonji railway line of the SE Railway is the nearest railway station to the block which is about 12 km away.
	Road	The Bhaskarpara block is approachable by 11 km long fair weather road from Surajpur located on the State Highway 14 connecting Ambikapur and Manendragarh. The nearby village Badsara and Bhaskarpara are also connected by fair weather road with village Patna through which the State Highway 14 passes.
	Airport	
3.	**Area**	
	Geological Block Area	9.32 sq.km. (As per shape file. Refer Note No. 3)
	Forest Area	Approx. 15 % (As per FSI Plan), Dharseri Reserve Forest (As per SoI toposheet)
	Non-Forest Area	Approx. 85% (As per FSI plan)
4.	**Climate and Topography**	
	Average Annual Rainfall	1500 mm
	Temperature (Min. — Max.)	3°C-46°C
	Local Surface Drainage Channels	The Maniknara nala with north easterly flow drains to join Gokanai nala in the north and Kolna nala with south easterly flow drains in to Rehar river in the east. These two seasonal nala along with their feeders control drainage pattern of the block.
	Rivers	Rehar river in the east
5.	**Exploration**	

	Status	Explored in Detail
	Exploration Agency	Geological Note, CMPDI, Oct'1999
	Total Number of Boreholes with meterage	108 Boreholes; 11585.07 m
	Borehole Density	Approx. 11.7 Boreholes/sq.km.
	General Dip of Seams	9°-10° in eastern and central part while it is 2°-3° in the southern and south western part of the block.
	General Strike Direction	E-W with local undulations.
6.	**Coal Seams & Reserve**	

	Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)	Grade
	Seam V	0.40-4.57	12.12-52.22	7.49	F-E
	Seam IVA	0.61-2.00	6.85-63.94	4.01	F-D
	Seam IVB	0.31-1.98	7.31-68.10	3.18	D-B
	Seam III	0.09-2.43	6.70-182.88	8.77	C-A
	Seam II Top Composite	0.31-3.51	11.61-188.75	12.85	E-A
	Seam II Composite	-	-	10.61	E-A
	Seam II Bot	0.05-1.34	-	-	-
		Total		**46.91**	

7.	**Surface Constraints**	State Highway-12 and another road passes through the block.
8.	**Grade of coal**	G7 (Provisional) based on weighted average grade as per grade-wise data available in GR.
9.	**Decision Support System (DSS) Analysis**	-
10.	**Eco Sensitive Zone (ESZ) Analysis**	NW boundary of the block is approx. 22.18 km from the boundary of Guru Ghasi Das NP and NE boundary is approx.12.17 km from Tamorpingla WLS, 51.32 km from the un-notified Buffer Zone of Lemru Elephant Reserve in the South Direction.

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	*Bhaskarpara Coal Company Ltd (BCCL) - a joint venture company formed by M/s Electrotherm (India) Ltd and M/s Ultratech Cement Ltd 72, Palodia (Via Thaltej), Ahmedabad-382115, Gujarat*
2.	**Target Capacity as per Mining Plan**	**1.00 Mty**
3.	**Status of Clearances/Approvals (As per information submitted by the prior allottee)**	
	Mining Plan/ Mine Closure Plan	Mining Plan approved on 25.03.2010 as per Annexure provided
	Forest Clearance	FC Stage-I pending before State Govt.
	Environmental Clearance	Final grant pending for mandatory Stage-I Forest Clearance. Public Hearing completed on 19.12.2011
	Mining Lease	Mining Lease approval awaited from State Govt
	Land Acquisition	Govt. Land- Nil Tenancy Land- 257.55 Ha (248.11 Ha for compensatory afforestation) Forest Land- Nil Total- 257.55 Ha
	No. of PAPs as per Mining Plan	960 as per R & R plan provided
4.	Surface Infrastructure already built, if any.	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.

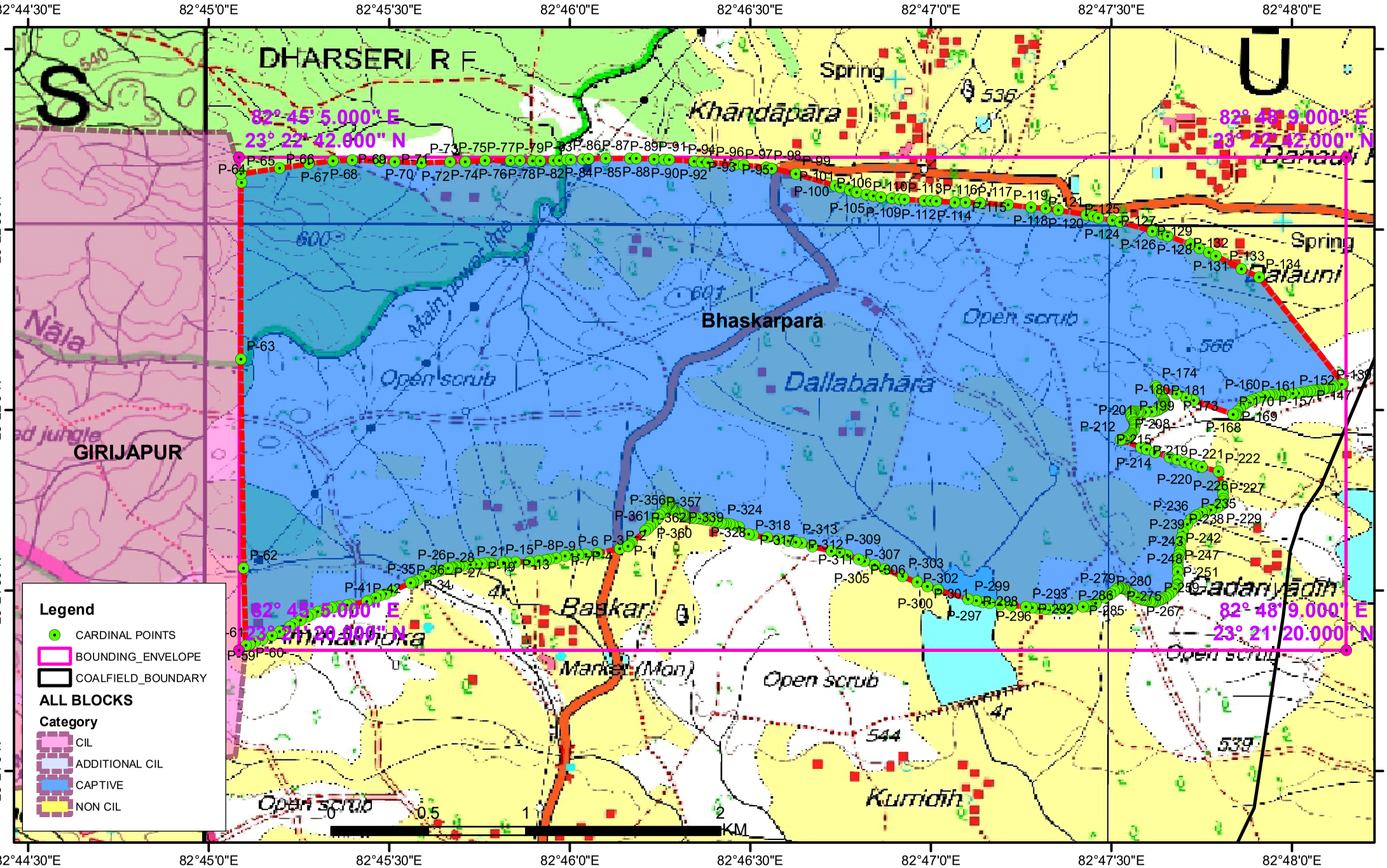
2. The boundary of the block has been taken from GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.

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.

Bhaskarpara Block, Jhilimili Coalfield



NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	82° 46' 9.651" E	23° 21' 37.318" N
P-2	82° 46' 8.304" E	23° 21' 36.922" N
P-3	82° 46' 4.592" E	23° 21' 36.173" N
P-4	82° 46' 2.687" E	23° 21' 35.966" N
P-5	82° 46' 1.385" E	23° 21' 35.917" N
P-6	82° 46' 0.302" E	23° 21' 35.975" N
P-7	82° 45' 59.156" E	23° 21' 35.718" N
P-8	82° 45' 57.673" E	23° 21' 35.390" N
P-9	82° 45' 56.523" E	23° 21' 35.143" N
P-10	82° 45' 56.017" E	23° 21' 35.028" N
P-11	82° 45' 54.735" E	23° 21' 34.892" N
P-12	82° 45' 53.297" E	23° 21' 34.783" N
P-13	82° 45' 50.985" E	23° 21' 34.688" N
P-14	82° 45' 49.500" E	23° 21' 34.652" N
P-15	82° 45' 48.965" E	23° 21' 34.628" N
P-16	82° 45' 47.086" E	23° 21' 34.568" N
P-17	82° 45' 46.712" E	23° 21' 34.537" N
P-18	82° 45' 45.983" E	23° 21' 34.525" N
P-19	82° 45' 45.326" E	23° 21' 34.436" N
P-20	82° 45' 44.411" E	23° 21' 34.371" N
P-21	82° 45' 43.460" E	23° 21' 34.257" N
P-22	82° 45' 42.180" E	23° 21' 34.081" N
P-23	82° 45' 41.505" E	23° 21' 33.984" N
P-24	82° 45' 41.020" E	23° 21' 33.914" N
P-25	82° 45' 40.476" E	23° 21' 33.809" N
P-26	82° 45' 40.229" E	23° 21' 33.751" N
P-27	82° 45' 39.776" E	23° 21' 33.645" N
P-28	82° 45' 38.466" E	23° 21' 33.297" N
P-29	82° 45' 38.050" E	23° 21' 33.177" N
P-30	82° 45' 37.763" E	23° 21' 33.080" N
P-31	82° 45' 37.076" E	23° 21' 32.851" N
P-32	82° 45' 36.495" E	23° 21' 32.586" N
P-33	82° 45' 35.926" E	23° 21' 32.297" N
P-34	82° 45' 34.635" E	23° 21' 31.629" N
P-35	82° 45' 33.938" E	23° 21' 31.363" N
P-36	82° 45' 33.449" E	23° 21' 31.233" N
P-37	82° 45' 30.470" E	23° 21' 29.891" N
P-38	82° 45' 29.374" E	23° 21' 29.440" N
P-39	82° 45' 28.507" E	23° 21' 29.139" N
P-40	82° 45' 27.660" E	23° 21' 28.755" N
P-41	82° 45' 26.555" E	23° 21' 28.253" N
P-42	82° 45' 26.256" E	23° 21' 28.109" N
P-43	82° 45' 23.599" E	23° 21' 27.653" N
P-44	82° 45' 22.916" E	23° 21' 27.501" N
P-45	82° 45' 21.741" E	23° 21' 27.317" N
P-46	82° 45' 20.832" E	23° 21' 27.182" N
P-47	82° 45' 20.354" E	23° 21' 27.090" N

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	82° 45' 19.609" E	23° 21' 26.889" N
P-49	82° 45' 18.855" E	23° 21' 26.654" N
P-50	82° 45' 18.138" E	23° 21' 26.427" N
P-51	82° 45' 17.088" E	23° 21' 25.995" N
P-52	82° 45' 16.393" E	23° 21' 25.621" N
P-53	82° 45' 15.244" E	23° 21' 25.002" N
P-54	82° 45' 14.217" E	23° 21' 24.443" N
P-55	82° 45' 13.410" E	23° 21' 23.954" N
P-56	82° 45' 11.786" E	23° 21' 23.127" N
P-57	82° 45' 10.458" E	23° 21' 22.477" N
P-58	82° 45' 8.922" E	23° 21' 21.856" N
P-59	82° 45' 7.673" E	23° 21' 21.413" N
P-60	82° 45' 6.791" E	23° 21' 21.058" N
P-61	82° 45' 6.141" E	23° 21' 20.797" N
P-62	82° 45' 5.782" E	23° 21' 33.696" N
P-63	82° 45' 5.282" E	23° 22' 8.423" N
P-64	82° 45' 5.344" E	23° 22' 37.809" N
P-65	82° 45' 5.270" E	23° 22' 39.244" N
P-66	82° 45' 11.813" E	23° 22' 40.159" N
P-67	82° 45' 16.593" E	23° 22' 40.895" N
P-68	82° 45' 20.619" E	23° 22' 41.379" N
P-69	82° 45' 23.823" E	23° 22' 41.506" N
P-70	82° 45' 28.322" E	23° 22' 41.336" N
P-71	82° 45' 30.928" E	23° 22' 41.213" N
P-72	82° 45' 35.305" E	23° 22' 41.025" N
P-73	82° 45' 40.046" E	23° 22' 41.232" N
P-74	82° 45' 42.624" E	23° 22' 41.273" N
P-75	82° 45' 45.914" E	23° 22' 41.426" N
P-76	82° 45' 50.127" E	23° 22' 41.481" N
P-77	82° 45' 51.723" E	23° 22' 41.437" N
P-78	82° 45' 53.788" E	23° 22' 41.390" N
P-79	82° 45' 55.135" E	23° 22' 41.390" N
P-80	82° 45' 57.322" E	23° 22' 41.441" N
P-81	82° 45' 58.221" E	23° 22' 41.477" N
P-82	82° 45' 59.511" E	23° 22' 41.558" N
P-83	82° 46' 0.166" E	23° 22' 41.590" N
P-84	82° 46' 2.150" E	23° 22' 41.671" N
P-85	82° 46' 3.114" E	23° 22' 41.713" N
P-86	82° 46' 6.001" E	23° 22' 41.786" N
P-87	82° 46' 9.968" E	23° 22' 41.814" N
P-88	82° 46' 10.969" E	23° 22' 41.805" N
P-89	82° 46' 13.969" E	23° 22' 41.664" N
P-90	82° 46' 15.679" E	23° 22' 41.589" N
P-91	82° 46' 16.431" E	23° 22' 41.556" N
P-92	82° 46' 20.639" E	23° 22' 41.321" N
P-93	82° 46' 21.951" E	23° 22' 41.198" N
P-94	82° 46' 22.937" E	23° 22' 41.085" N

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	82° 46' 27.542" E	23° 22' 40.788" N
P-96	82° 46' 28.806" E	23° 22' 40.696" N
P-97	82° 46' 32.707" E	23° 22' 40.267" N
P-98	82° 46' 33.576" E	23° 22' 40.115" N
P-99	82° 46' 37.568" E	23° 22' 39.196" N
P-100	82° 46' 44.076" E	23° 22' 37.243" N
P-101	82° 46' 44.958" E	23° 22' 36.967" N
P-102	82° 46' 46.536" E	23° 22' 36.501" N
P-103	82° 46' 47.389" E	23° 22' 36.269" N
P-104	82° 46' 47.668" E	23° 22' 36.191" N
P-105	82° 46' 49.288" E	23° 22' 35.766" N
P-106	82° 46' 50.473" E	23° 22' 35.559" N
P-107	82° 46' 51.647" E	23° 22' 35.380" N
P-108	82° 46' 53.525" E	23° 22' 35.145" N
P-109	82° 46' 54.689" E	23° 22' 35.042" N
P-110	82° 46' 55.602" E	23° 22' 34.960" N
P-111	82° 46' 58.816" E	23° 22' 34.786" N
P-112	82° 46' 59.978" E	23° 22' 34.736" N
P-113	82° 47' 0.941" E	23° 22' 34.696" N
P-114	82° 47' 3.953" E	23° 22' 34.503" N
P-115	82° 47' 5.788" E	23° 22' 34.508" N
P-116	82° 47' 8.188" E	23° 22' 34.395" N
P-117	82° 47' 12.805" E	23° 22' 34.049" N
P-118	82° 47' 16.694" E	23° 22' 33.681" N
P-119	82° 47' 19.038" E	23° 22' 33.455" N
P-120	82° 47' 21.110" E	23° 22' 33.206" N
P-121	82° 47' 25.834" E	23° 22' 32.405" N
P-122	82° 47' 26.973" E	23° 22' 32.162" N
P-123	82° 47' 27.841" E	23° 22' 31.932" N
P-124	82° 47' 30.202" E	23° 22' 31.489" N
P-125	82° 47' 31.397" E	23° 22' 31.215" N
P-126	82° 47' 36.811" E	23° 22' 29.696" N
P-127	82° 47' 38.382" E	23° 22' 29.232" N
P-128	82° 47' 39.373" E	23° 22' 28.905" N
P-129	82° 47' 43.181" E	23° 22' 27.500" N
P-130	82° 47' 44.661" E	23° 22' 26.866" N
P-131	82° 47' 46.223" E	23° 22' 26.148" N
P-132	82° 47' 47.334" E	23° 22' 25.591" N
P-133	82° 47' 51.606" E	23° 22' 23.382" N
P-134	82° 47' 54.559" E	23° 22' 22.035" N
P-135	82° 48' 8.481" E	23° 22' 4.340" N
P-136	82° 48' 8.245" E	23° 22' 4.243" N
P-137	82° 48' 7.119" E	23° 22' 3.910" N
P-138	82° 48' 6.763" E	23° 22' 3.789" N
P-139	82° 48' 6.293" E	23° 22' 3.704" N
P-140	82° 48' 5.894" E	23° 22' 3.608" N
P-141	82° 48' 5.474" E	23° 22' 3.543" N

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-142	82° 48' 5.233" E	23° 22' 3.487" N
P-143	82° 48' 4.528" E	23° 22' 3.350" N
P-144	82° 48' 4.062" E	23° 22' 3.261" N
P-145	82° 48' 3.738" E	23° 22' 3.225" N
P-146	82° 48' 3.471" E	23° 22' 3.179" N
P-147	82° 48' 3.014" E	23° 22' 3.117" N
P-148	82° 48' 2.413" E	23° 22' 3.029" N
P-149	82° 48' 1.885" E	23° 22' 2.983" N
P-150	82° 48' 1.487" E	23° 22' 2.841" N
P-151	82° 48' 1.096" E	23° 22' 2.796" N
P-152	82° 48' 0.201" E	23° 22' 2.720" N
P-153	82° 47' 58.851" E	23° 22' 2.563" N
P-154	82° 47' 58.213" E	23° 22' 2.562" N
P-155	82° 47' 57.720" E	23° 22' 2.554" N
P-156	82° 47' 57.180" E	23° 22' 2.528" N
P-157	82° 47' 56.687" E	23° 22' 2.473" N
P-158	82° 47' 56.175" E	23° 22' 2.439" N
P-159	82° 47' 55.460" E	23° 22' 2.314" N
P-160	82° 47' 54.616" E	23° 22' 2.030" N
P-161	82° 47' 53.859" E	23° 22' 1.799" N
P-162	82° 47' 53.271" E	23° 22' 1.595" N
P-163	82° 47' 52.767" E	23° 22' 1.379" N
P-164	82° 47' 52.226" E	23° 22' 1.062" N
P-165	82° 47' 51.917" E	23° 22' 0.884" N
P-166	82° 47' 51.308" E	23° 22' 0.178" N
P-167	82° 47' 50.999" E	23° 21' 59.755" N
P-168	82° 47' 50.761" E	23° 21' 59.303" N
P-169	82° 47' 50.625" E	23° 21' 59.088" N
P-170	82° 47' 50.184" E	23° 21' 59.235" N
P-171	82° 47' 43.725" E	23° 22' 1.564" N
P-172	82° 47' 42.432" E	23° 22' 2.046" N
P-173	82° 47' 40.822" E	23° 22' 2.639" N
P-174	82° 47' 37.364" E	23° 22' 3.915" N
P-175	82° 47' 37.481" E	23° 22' 3.688" N
P-176	82° 47' 37.932" E	23° 22' 3.059" N
P-177	82° 47' 38.362" E	23° 22' 2.473" N
P-178	82° 47' 38.727" E	23° 22' 1.673" N
P-179	82° 47' 38.810" E	23° 22' 1.483" N
P-180	82° 47' 38.861" E	23° 22' 1.236" N
P-181	82° 47' 38.882" E	23° 22' 1.009" N
P-182	82° 47' 38.854" E	23° 22' 0.893" N
P-183	82° 47' 38.810" E	23° 22' 0.724" N
P-184	82° 47' 38.670" E	23° 22' 0.577" N
P-185	82° 47' 38.435" E	23° 22' 0.426" N
P-186	82° 47' 38.038" E	23° 22' 0.193" N
P-187	82° 47' 37.613" E	23° 21' 59.957" N
P-188	82° 47' 37.141" E	23° 21' 59.766" N

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-189	82° 47' 36.660" E	23° 21' 59.685" N
P-190	82° 47' 35.635" E	23° 21' 59.639" N
P-191	82° 47' 34.613" E	23° 21' 59.619" N
P-192	82° 47' 34.376" E	23° 21' 59.678" N
P-193	82° 47' 33.754" E	23° 21' 59.730" N
P-194	82° 47' 33.533" E	23° 21' 59.694" N
P-195	82° 47' 33.338" E	23° 21' 59.606" N
P-196	82° 47' 33.213" E	23° 21' 59.424" N
P-197	82° 47' 33.149" E	23° 21' 59.189" N
P-198	82° 47' 33.316" E	23° 21' 58.776" N
P-199	82° 47' 33.534" E	23° 21' 58.474" N
P-200	82° 47' 33.749" E	23° 21' 57.993" N
P-201	82° 47' 33.836" E	23° 21' 57.806" N
P-202	82° 47' 33.900" E	23° 21' 57.440" N
P-203	82° 47' 33.780" E	23° 21' 56.839" N
P-204	82° 47' 33.686" E	23° 21' 56.602" N
P-205	82° 47' 33.338" E	23° 21' 56.071" N
P-206	82° 47' 33.178" E	23° 21' 55.880" N
P-207	82° 47' 32.941" E	23° 21' 55.670" N
P-208	82° 47' 32.762" E	23° 21' 55.527" N
P-209	82° 47' 32.444" E	23° 21' 55.341" N
P-210	82° 47' 32.140" E	23° 21' 55.195" N
P-211	82° 47' 31.752" E	23° 21' 55.042" N
P-212	82° 47' 31.543" E	23° 21' 54.995" N
P-213	82° 47' 34.900" E	23° 21' 53.730" N
P-214	82° 47' 35.777" E	23° 21' 53.417" N
P-215	82° 47' 37.196" E	23° 21' 52.934" N
P-216	82° 47' 39.679" E	23° 21' 52.103" N
P-217	82° 47' 40.874" E	23° 21' 51.705" N
P-218	82° 47' 42.189" E	23° 21' 51.280" N
P-219	82° 47' 43.257" E	23° 21' 51.010" N
P-220	82° 47' 44.242" E	23° 21' 50.728" N
P-221	82° 47' 45.006" E	23° 21' 50.496" N
P-222	82° 47' 47.770" E	23° 21' 49.755" N
P-223	82° 47' 48.454" E	23° 21' 47.274" N
P-224	82° 47' 48.519" E	23° 21' 46.695" N
P-225	82° 47' 48.597" E	23° 21' 45.994" N
P-226	82° 47' 48.652" E	23° 21' 45.228" N
P-227	82° 47' 48.547" E	23° 21' 44.840" N
P-228	82° 47' 48.251" E	23° 21' 44.214" N
P-229	82° 47' 48.093" E	23° 21' 44.043" N
P-230	82° 47' 47.555" E	23° 21' 43.743" N
P-231	82° 47' 46.519" E	23° 21' 43.318" N
P-232	82° 47' 45.482" E	23° 21' 43.042" N
P-233	82° 47' 44.973" E	23° 21' 42.901" N
P-234	82° 47' 44.252" E	23° 21' 42.534" N
P-235	82° 47' 43.809" E	23° 21' 42.269" N

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-236	82° 47' 43.245" E	23° 21' 41.812" N
P-237	82° 47' 42.597" E	23° 21' 40.944" N
P-238	82° 47' 41.878" E	23° 21' 39.689" N
P-239	82° 47' 41.593" E	23° 21' 38.779" N
P-240	82° 47' 41.452" E	23° 21' 37.954" N
P-241	82° 47' 41.374" E	23° 21' 36.896" N
P-242	82° 47' 41.309" E	23° 21' 36.506" N
P-243	82° 47' 41.199" E	23° 21' 35.974" N
P-244	82° 47' 41.073" E	23° 21' 35.389" N
P-245	82° 47' 40.970" E	23° 21' 34.846" N
P-246	82° 47' 41.041" E	23° 21' 34.076" N
P-247	82° 47' 41.019" E	23° 21' 33.687" N
P-248	82° 47' 41.011" E	23° 21' 33.080" N
P-249	82° 47' 40.972" E	23° 21' 31.808" N
P-250	82° 47' 40.976" E	23° 21' 30.939" N
P-251	82° 47' 40.927" E	23° 21' 30.815" N
P-252	82° 47' 40.532" E	23° 21' 30.359" N
P-253	82° 47' 40.351" E	23° 21' 30.158" N
P-254	82° 47' 39.913" E	23° 21' 29.651" N
P-255	82° 47' 39.475" E	23° 21' 29.221" N
P-256	82° 47' 39.016" E	23° 21' 28.882" N
P-257	82° 47' 38.473" E	23° 21' 28.611" N
P-258	82° 47' 38.160" E	23° 21' 28.439" N
P-259	82° 47' 37.726" E	23° 21' 28.256" N
P-260	82° 47' 37.188" E	23° 21' 28.053" N
P-261	82° 47' 36.971" E	23° 21' 28.048" N
P-262	82° 47' 36.668" E	23° 21' 28.070" N
P-263	82° 47' 36.409" E	23° 21' 28.126" N
P-264	82° 47' 35.731" E	23° 21' 28.303" N
P-265	82° 47' 35.411" E	23° 21' 28.378" N
P-266	82° 47' 35.120" E	23° 21' 28.486" N
P-267	82° 47' 34.728" E	23° 21' 28.631" N
P-268	82° 47' 34.388" E	23° 21' 28.766" N
P-269	82° 47' 33.860" E	23° 21' 29.024" N
P-270	82° 47' 33.510" E	23° 21' 29.247" N
P-271	82° 47' 33.042" E	23° 21' 29.586" N
P-272	82° 47' 32.142" E	23° 21' 30.219" N
P-273	82° 47' 31.984" E	23° 21' 30.310" N
P-274	82° 47' 31.763" E	23° 21' 30.376" N
P-275	82° 47' 31.446" E	23° 21' 30.451" N
P-276	82° 47' 31.180" E	23° 21' 30.447" N
P-277	82° 47' 31.077" E	23° 21' 30.385" N
P-278	82° 47' 30.886" E	23° 21' 30.241" N
P-279	82° 47' 30.441" E	23° 21' 29.849" N
P-280	82° 47' 29.764" E	23° 21' 29.355" N
P-281	82° 47' 28.903" E	23° 21' 28.809" N
P-282	82° 47' 27.395" E	23° 21' 27.852" N

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-283	82° 47' 26.314" E	23° 21' 27.410" N
P-284	82° 47' 26.034" E	23° 21' 27.348" N
P-285	82° 47' 25.230" E	23° 21' 27.233" N
P-286	82° 47' 23.387" E	23° 21' 27.009" N
P-287	82° 47' 22.220" E	23° 21' 26.927" N
P-288	82° 47' 21.210" E	23° 21' 26.872" N
P-289	82° 47' 19.707" E	23° 21' 26.867" N
P-290	82° 47' 18.970" E	23° 21' 26.931" N
P-291	82° 47' 17.738" E	23° 21' 27.009" N
P-292	82° 47' 16.808" E	23° 21' 27.118" N
P-293	82° 47' 15.812" E	23° 21' 27.253" N
P-294	82° 47' 13.334" E	23° 21' 27.485" N
P-295	82° 47' 11.528" E	23° 21' 27.649" N
P-296	82° 47' 9.781" E	23° 21' 27.883" N
P-297	82° 47' 8.614" E	23° 21' 28.024" N
P-298	82° 47' 7.560" E	23° 21' 28.280" N
P-299	82° 47' 6.183" E	23° 21' 28.554" N
P-300	82° 47' 1.204" E	23° 21' 30.062" N
P-301	82° 46' 59.440" E	23° 21' 30.655" N
P-302	82° 46' 57.663" E	23° 21' 31.375" N
P-303	82° 46' 55.249" E	23° 21' 32.309" N
P-304	82° 46' 52.358" E	23° 21' 33.540" N
P-305	82° 46' 50.673" E	23° 21' 34.224" N
P-306	82° 46' 48.876" E	23° 21' 34.830" N
P-307	82° 46' 48.006" E	23° 21' 35.184" N
P-308	82° 46' 46.125" E	23° 21' 35.841" N
P-309	82° 46' 44.750" E	23° 21' 36.295" N
P-310	82° 46' 43.489" E	23° 21' 36.518" N
P-311	82° 46' 40.303" E	23° 21' 37.274" N
P-312	82° 46' 38.518" E	23° 21' 37.851" N
P-313	82° 46' 37.572" E	23° 21' 37.974" N
P-314	82° 46' 36.268" E	23° 21' 38.174" N
P-315	82° 46' 34.659" E	23° 21' 38.452" N
P-316	82° 46' 32.778" E	23° 21' 38.838" N
P-317	82° 46' 30.474" E	23° 21' 39.121" N
P-318	82° 46' 29.716" E	23° 21' 39.318" N
P-319	82° 46' 28.089" E	23° 21' 40.515" N
P-320	82° 46' 27.079" E	23° 21' 40.844" N
P-321	82° 46' 26.531" E	23° 21' 41.037" N
P-322	82° 46' 25.896" E	23° 21' 41.072" N
P-323	82° 46' 25.417" E	23° 21' 41.126" N
P-324	82° 46' 25.087" E	23° 21' 41.204" N
P-325	82° 46' 24.463" E	23° 21' 41.397" N
P-326	82° 46' 23.816" E	23° 21' 41.514" N
P-327	82° 46' 23.036" E	23° 21' 41.666" N
P-328	82° 46' 22.350" E	23° 21' 41.751" N
P-329	82° 46' 21.757" E	23° 21' 41.891" N

Provisional Cardinal Points for Bhaskarpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-330	82° 46' 21.337" E	23° 21' 41.966" N
P-331	82° 46' 20.704" E	23° 21' 42.013" N
P-332	82° 46' 20.101" E	23° 21' 42.103" N
P-333	82° 46' 19.547" E	23° 21' 42.164" N
P-334	82° 46' 19.237" E	23° 21' 42.264" N
P-335	82° 46' 19.090" E	23° 21' 42.345" N
P-336	82° 46' 19.008" E	23° 21' 42.434" N
P-337	82° 46' 18.926" E	23° 21' 42.534" N
P-338	82° 46' 18.810" E	23° 21' 42.613" N
P-339	82° 46' 18.626" E	23° 21' 42.735" N
P-340	82° 46' 18.363" E	23° 21' 42.846" N
P-341	82° 46' 18.053" E	23° 21' 42.946" N
P-342	82° 46' 17.402" E	23° 21' 43.221" N
P-343	82° 46' 17.104" E	23° 21' 43.399" N
P-344	82° 46' 16.928" E	23° 21' 43.698" N
P-345	82° 46' 16.799" E	23° 21' 43.968" N
P-346	82° 46' 16.617" E	23° 21' 44.333" N
P-347	82° 46' 16.560" E	23° 21' 44.453" N
P-348	82° 46' 16.489" E	23° 21' 44.542" N
P-349	82° 46' 16.391" E	23° 21' 44.588" N
P-350	82° 46' 16.309" E	23° 21' 44.518" N
P-351	82° 46' 16.240" E	23° 21' 44.349" N
P-352	82° 46' 16.124" E	23° 21' 44.023" N
P-353	82° 46' 16.019" E	23° 21' 43.762" N
P-354	82° 46' 15.838" E	23° 21' 43.334" N
P-355	82° 46' 15.663" E	23° 21' 43.074" N
P-356	82° 46' 15.450" E	23° 21' 42.846" N
P-357	82° 46' 14.985" E	23° 21' 42.491" N
P-358	82° 46' 14.599" E	23° 21' 41.986" N
P-359	82° 46' 13.782" E	23° 21' 41.112" N
P-360	82° 46' 13.363" E	23° 21' 40.689" N
P-361	82° 46' 12.854" E	23° 21' 40.218" N
P-362	82° 46' 12.466" E	23° 21' 39.858" N
P-363	82° 46' 10.297" E	23° 21' 37.906" N
P-364	82° 46' 9.928" E	23° 21' 37.576" N