Radhikapur (East) Coal Block Summary

PART A

Sl. No.	Features	Details
1.	**Location**	
	Coal Block	**Radhikapur (East)**
	Latitude	20° 57' 32" N - 20° 59' 35" N (Provisional)
	Longitude	84° 53' 15" E - 84° 55' 46" E (Provisional)
	Topo Sheet No.	Toposheet No. 73 D/13
	Coalfield	Talcher Coalfield
	Villages	Jhintipal, Gopiballabhpur, Gopinathpur, Barpada (As per SOI toposheet)
	Tehsil/Taluka	Chhendipada
	District	Angul
	State	Odisha
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest rail head Angul on Sambalpur Bhubaneswar broad gauge loop of South Eastern Railway is about 28 km from the eastern part of the block.
	Road	Radhikapur East block is well connected to district headquarter Angul by Angul-Chhindipada pitch road at a distance of about 22 Km. Kachcha road connects the block to Raijaran on Angul-Chhendipada State Highway. Jarpada- Kosala road trending NE-SW traverses through the central part of the block. Cuttack Sambalpur National Highway (NH-42) passes through the district headquarter Angul.
	Airport	The Biju Pattanaik International Airport, located at the state capital Bhubaneswar, is the nearest airport.
3.	**Area**	
	Geological Block Area	10.16 sq km (As per shape file; Refer Note 3)
	Forest Area	5% Approximately (As per FSI Map)
	Non-Forest Area	95% Approximately (As per FSI Map)
4.	**Climate and Topography**	
	Average Annual Rainfall	Annual rainfall varies between 71 cm and 186 cm.
	Temperature (Min. — Max.)	6.7°C - 45.5°C
	Local Surface Drainage Channels	The drainage in the block is mainly controlled by the easterly flowing Singhada River, which flows in the northern part of the block. Nuabanda Nala flowing along the north-western boundary of the block joins Singhada River in the northern part of the block. There are few seasonal nalas within the block, which ultimately join Singhada River. In addition, there are few ponds within the block.
	Rivers	Singhada River, Nuabanda nala

5.	**Exploration**				
	Status	Explored			
	Exploration Agency	TSIL/ GEOTECH			
	Total Number of Boreholes with meterage	81 boreholes & 15344.90m			
	Borehole Density	7.86 boreholes per sq km			
	General Dip of Seams	The strata are gently dipping at 4˚ to 6˚ northerly.			
	General Strike Direction	General strike of the beds is mainly WNW-ESE. The local swing in the strike at places is due to rolling dip.			
6.	**Coal Seams & Reserve**				
	Number of Coal Seams	Thickness Range (m)	Floor Depth Range (m)	Net Proved Reserves (Mt.)	Grade
	XI	0.30 - 9.82	11.96 – 98.80	3.507	G
	X	0.31 - 4.92	11.00 – 114.05	0.822	F - G
	IX	15.98 - 39.89	13.63 – 169.20	87.371	G
	VIII(TOP)	0.05 - 4.91	6.03 – 168.99	8.168	F - G
	VIII (BOT)	0.24 - 1.74	14.74 – 141.24	1.298	D – G
	VIIB	0.05 - 4.25	20.12 – 187.20	14.451	F – G
	VA	0.10 - 5.00	21.28 – 221.81	2.536	G
	IVB	0.07 - 7.42	30.31 – 225.75	4.676	F – G
	IIIE (Top)	0.13 - 3.67	19.50 – 239.00	3.403	F – G
	IIIE (Bot)	0.07 - 7.50	29.58 – 247.50	16.422	F – G
	IIID	0.10 - 7.08	31.59 – 271.80	8.890	F – G
	IIIA (Top)	0.09 - 2.17	64.87 – 248.67	1.045	F – G
	IIIA (Bot)	0.07 - 9.40	27.37 – 259.60	13.679	E - G
	IIIA (Top+Bot)	5.80 - 8.82	83.68 – 284.00	4.180	F – G
	IIB	0.05 - 4.96	74.08 – 306.20	5.591	D – G
	IIA	0.05 - 1.47	128.00 – 313.59	0.292	F – G
			TOTAL	**176.330**	
7.	**Surface Constraints**	NA			

PART B

Sl. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	Tata Sponge Iron Ltd., Scaw Industries Ltd., SPS Sponge Iron Ltd.
2.	**Mine Capacity as per Mining Plan**	**5 Mty**
3.	**Status of Clearances/Approvals**	
	Mining Plan/ Mine Closure Plan	Mining Plan: MoC letter No. 13016/42/2007-CA-I dated 07.04.2008; Mine Closure Plan: Submitted to MoC by prior allottee for approval
	Forest Clearance	FC Stage-I pending
	Environmental Clearance	Pending subject to FC Stage-I
	Mining Lease	Not granted
4.	No. of PAFs	1187 (As per information submitted by prior allottee)

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.

Radhikapur (East) Block, Talcher Coalfield

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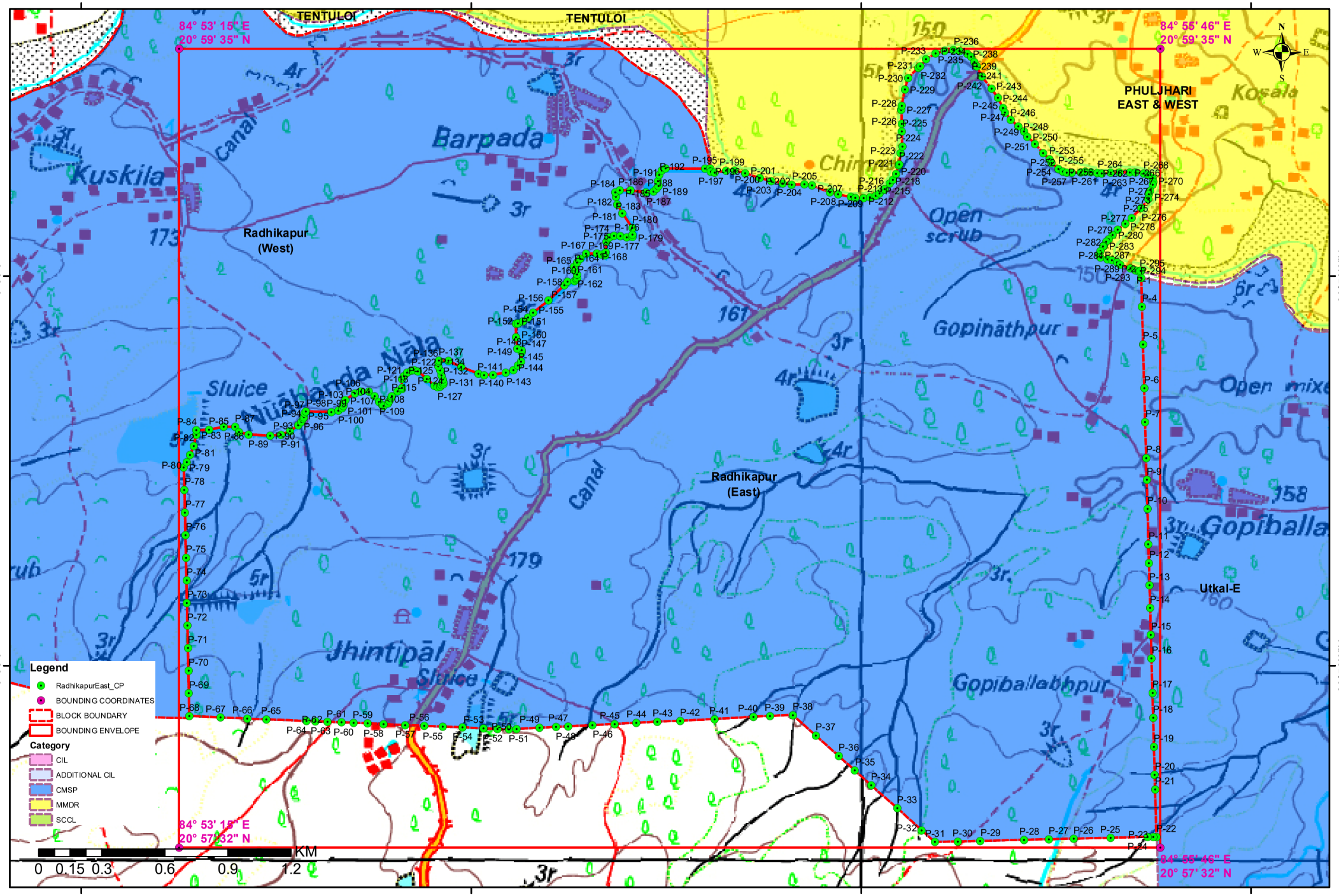

Provisional Cardinal Points for Radhikapur (East) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 55' 42.937" E	20° 59' 0.809" N
P-2	84° 55' 43.034" E	20° 59' 0.784" N
P-3	84° 55' 43.063" E	20° 58' 59.722" N
P-4	84° 55' 43.183" E	20° 58' 55.281" N
P-5	84° 55' 43.340" E	20° 58' 49.511" N
P-6	84° 55' 43.523" E	20° 58' 42.755" N
P-7	84° 55' 43.665" E	20° 58' 37.511" N
P-8	84° 55' 43.814" E	20° 58' 31.987" N
P-9	84° 55' 43.905" E	20° 58' 28.632" N
P-10	84° 55' 44.027" E	20° 58' 24.148" N
P-11	84° 55' 44.174" E	20° 58' 18.714" N
P-12	84° 55' 44.252" E	20° 58' 15.832" N
P-13	84° 55' 44.345" E	20° 58' 12.388" N
P-14	84° 55' 44.439" E	20° 58' 8.919" N
P-15	84° 55' 44.552" E	20° 58' 4.771" N
P-16	84° 55' 44.650" E	20° 58' 1.146" N
P-17	84° 55' 44.794" E	20° 57' 55.841" N
P-18	84° 55' 44.898" E	20° 57' 51.988" N
P-19	84° 55' 45.019" E	20° 57' 47.538" N
P-20	84° 55' 45.135" E	20° 57' 43.235" N
P-21	84° 55' 45.197" E	20° 57' 40.948" N
P-22	84° 55' 45.395" E	20° 57' 33.650" N
P-23	84° 55' 44.973" E	20° 57' 33.660" N
P-24	84° 55' 44.038" E	20° 57' 33.646" N
P-25	84° 55' 38.326" E	20° 57' 33.516" N
P-26	84° 55' 32.628" E	20° 57' 33.378" N
P-27	84° 55' 28.835" E	20° 57' 33.291" N
P-28	84° 55' 25.043" E	20° 57' 33.204" N
P-29	84° 55' 18.297" E	20° 57' 33.020" N
P-30	84° 55' 14.795" E	20° 57' 32.945" N
P-31	84° 55' 11.293" E	20° 57' 32.871" N
P-32	84° 55' 9.319" E	20° 57' 34.664" N
P-33	84° 55' 5.537" E	20° 57' 38.070" N
P-34	84° 55' 1.511" E	20° 57' 41.613" N
P-35	84° 54' 59.013" E	20° 57' 43.869" N
P-36	84° 54' 56.515" E	20° 57' 46.125" N
P-37	84° 54' 52.979" E	20° 57' 49.275" N
P-38	84° 54' 49.442" E	20° 57' 52.424" N
P-39	84° 54' 45.929" E	20° 57' 52.276" N
P-40	84° 54' 43.354" E	20° 57' 52.142" N
P-41	84° 54' 37.366" E	20° 57' 51.792" N
P-42	84° 54' 32.084" E	20° 57' 51.531" N
P-43	84° 54' 28.635" E	20° 57' 51.404" N
P-44	84° 54' 25.395" E	20° 57' 51.224" N
P-45	84° 54' 22.051" E	20° 57' 51.043" N
P-46	84° 54' 18.653" E	20° 57' 50.871" N
P-47	84° 54' 14.878" E	20° 57' 50.682" N
P-48	84° 54' 13.046" E	20° 57' 50.601" N
P-49	84° 54' 10.510" E	20° 57' 50.466" N

Provisional Cardinal Points for Radhikapur (East) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-50	84° 54' 6.952" E	20° 57' 50.268" N
P-51	84° 54' 5.755" E	20° 57' 50.226" N
P-52	84° 54' 3.972" E	20° 57' 50.275" N
P-53	84° 54' 1.901" E	20° 57' 50.385" N
P-54	84° 53' 58.647" E	20° 57' 50.532" N
P-55	84° 53' 55.610" E	20° 57' 50.638" N
P-56	84° 53' 52.702" E	20° 57' 50.769" N
P-57	84° 53' 49.845" E	20° 57' 50.876" N
P-58	84° 53' 46.499" E	20° 57' 51.039" N
P-59	84° 53' 44.072" E	20° 57' 51.144" N
P-60	84° 53' 41.858" E	20° 57' 51.228" N
P-61	84° 53' 40.003" E	20° 57' 51.304" N
P-62	84° 53' 37.829" E	20° 57' 51.391" N
P-63	84° 53' 36.016" E	20° 57' 51.436" N
P-64	84° 53' 34.635" E	20° 57' 51.504" N
P-65	84° 53' 28.439" E	20° 57' 51.762" N
P-66	84° 53' 25.497" E	20° 57' 51.869" N
P-67	84° 53' 21.433" E	20° 57' 52.045" N
P-68	84° 53' 16.606" E	20° 57' 52.282" N
P-69	84° 53' 16.532" E	20° 57' 55.762" N
P-70	84° 53' 16.457" E	20° 57' 59.241" N
P-71	84° 53' 16.382" E	20° 58' 2.721" N
P-72	84° 53' 16.307" E	20° 58' 6.201" N
P-73	84° 53' 16.232" E	20° 58' 9.681" N
P-74	84° 53' 16.157" E	20° 58' 13.161" N
P-75	84° 53' 16.082" E	20° 58' 16.641" N
P-76	84° 53' 16.008" E	20° 58' 20.121" N
P-77	84° 53' 15.933" E	20° 58' 23.600" N
P-78	84° 53' 15.858" E	20° 58' 27.080" N
P-79	84° 53' 15.783" E	20° 58' 30.560" N
P-80	84° 53' 16.190" E	20° 58' 31.350" N
P-81	84° 53' 16.703" E	20° 58' 32.437" N
P-82	84° 53' 17.311" E	20° 58' 33.839" N
P-83	84° 53' 17.622" E	20° 58' 35.555" N
P-84	84° 53' 17.698" E	20° 58' 36.270" N
P-85	84° 53' 19.608" E	20° 58' 36.359" N
P-86	84° 53' 21.919" E	20° 58' 36.793" N
P-87	84° 53' 23.605" E	20° 58' 36.783" N
P-88	84° 53' 24.259" E	20° 58' 36.023" N
P-89	84° 53' 25.722" E	20° 58' 35.601" N
P-90	84° 53' 29.019" E	20° 58' 35.445" N
P-91	84° 53' 30.705" E	20° 58' 35.573" N
P-92	84° 53' 32.101" E	20° 58' 36.150" N
P-93	84° 53' 33.357" E	20° 58' 37.037" N
P-94	84° 53' 33.841" E	20° 58' 37.551" N
P-95	84° 53' 34.114" E	20° 58' 38.109" N
P-96	84° 53' 34.221" E	20° 58' 38.265" N
P-97	84° 53' 34.361" E	20° 58' 38.902" N
P-98	84° 53' 34.549" E	20° 58' 39.154" N

Provisional Cardinal Points for Radhikapur (East) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-99	84° 53' 38.472" E	20° 58' 39.081" N
P-100	84° 53' 39.536" E	20° 58' 39.282" N
P-101	84° 53' 40.154" E	20° 58' 39.702" N
P-102	84° 53' 40.288" E	20° 58' 39.981" N
P-103	84° 53' 40.357" E	20° 58' 40.415" N
P-104	84° 53' 40.659" E	20° 58' 40.942" N
P-105	84° 53' 42.008" E	20° 58' 41.952" N
P-106	84° 53' 42.963" E	20° 58' 42.222" N
P-107	84° 53' 44.209" E	20° 58' 42.214" N
P-108	84° 53' 45.083" E	20° 58' 41.521" N
P-109	84° 53' 45.847" E	20° 58' 40.622" N
P-110	84° 53' 46.320" E	20° 58' 40.138" N
P-111	84° 53' 46.466" E	20° 58' 39.999" N
P-112	84° 53' 47.114" E	20° 58' 40.377" N
P-113	84° 53' 47.381" E	20° 58' 40.748" N
P-114	84° 53' 47.616" E	20° 58' 41.244" N
P-115	84° 53' 47.750" E	20° 58' 41.522" N
P-116	84° 53' 48.647" E	20° 58' 42.254" N
P-117	84° 53' 49.295" E	20° 58' 42.598" N
P-118	84° 53' 49.292" E	20° 58' 42.812" N
P-119	84° 53' 49.319" E	20° 58' 44.147" N
P-120	84° 53' 49.584" E	20° 58' 44.609" N
P-121	84° 53' 50.108" E	20° 58' 45.136" N
P-122	84° 53' 50.768" E	20° 58' 45.450" N
P-123	84° 53' 51.169" E	20° 58' 45.543" N
P-124	84° 53' 51.800" E	20° 58' 45.333" N
P-125	84° 53' 53.166" E	20° 58' 44.150" N
P-126	84° 53' 54.313" E	20° 58' 43.124" N
P-127	84° 53' 54.779" E	20° 58' 42.915" N
P-128	84° 53' 55.192" E	20° 58' 42.951" N
P-129	84° 53' 55.419" E	20° 58' 43.238" N
P-130	84° 53' 55.684" E	20° 58' 43.361" N
P-131	84° 53' 55.719" E	20° 58' 43.670" N
P-132	84° 53' 55.656" E	20° 58' 44.073" N
P-133	84° 53' 55.429" E	20° 58' 44.694" N
P-134	84° 53' 55.137" E	20° 58' 45.501" N
P-135	84° 53' 54.943" E	20° 58' 46.122" N
P-136	84° 53' 54.881" E	20° 58' 46.804" N
P-137	84° 53' 54.982" E	20° 58' 47.005" N
P-138	84° 53' 56.427" E	20° 58' 46.945" N
P-139	84° 53' 58.468" E	20° 58' 46.017" N
P-140	84° 54' 1.099" E	20° 58' 44.943" N
P-141	84° 54' 1.950" E	20° 58' 44.745" N
P-142	84° 54' 3.347" E	20° 58' 44.803" N
P-143	84° 54' 5.295" E	20° 58' 45.163" N
P-144	84° 54' 6.406" E	20° 58' 45.561" N
P-145	84° 54' 7.163" E	20° 58' 46.233" N
P-146	84° 54' 7.670" E	20° 58' 46.826" N
P-147	84° 54' 7.697" E	20° 58' 48.289" N

Provisional Cardinal Points for Radhikapur (East) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-148	84° 54' 7.681" E	20° 58' 48.599" N
P-149	84° 54' 7.078" E	20° 58' 48.826" N
P-150	84° 54' 6.888" E	20° 58' 50.600" N
P-151	84° 54' 6.865" E	20° 58' 52.665" N
P-152	84° 54' 7.120" E	20° 58' 52.716" N
P-153	84° 54' 7.921" E	20° 58' 53.029" N
P-154	84° 54' 8.715" E	20° 58' 53.612" N
P-155	84° 54' 9.510" E	20° 58' 54.379" N
P-156	84° 54' 11.891" E	20° 58' 56.264" N
P-157	84° 54' 14.246" E	20° 58' 58.583" N
P-158	84° 54' 14.750" E	20° 58' 59.163" N
P-159	84° 54' 15.848" E	20° 58' 59.254" N
P-160	84° 54' 16.129" E	20° 58' 59.534" N
P-161	84° 54' 16.328" E	20° 58' 59.699" N
P-162	84° 54' 16.313" E	20° 59' 0.267" N
P-163	84° 54' 15.877" E	20° 59' 0.871" N
P-164	84° 54' 15.808" E	20° 59' 1.440" N
P-165	84° 54' 16.203" E	20° 59' 2.065" N
P-166	84° 54' 16.701" E	20° 59' 2.641" N
P-167	84° 54' 17.591" E	20° 59' 3.448" N
P-168	84° 54' 19.284" E	20° 59' 3.484" N
P-169	84° 54' 19.942" E	20° 59' 3.343" N
P-170	84° 54' 20.601" E	20° 59' 3.253" N
P-171	84° 54' 20.643" E	20° 59' 3.662" N
P-172	84° 54' 20.725" E	20° 59' 5.283" N
P-173	84° 54' 21.075" E	20° 59' 5.870" N
P-174	84° 54' 21.214" E	20° 59' 6.009" N
P-175	84° 54' 21.922" E	20° 59' 6.222" N
P-176	84° 54' 22.966" E	20° 59' 6.181" N
P-177	84° 54' 23.917" E	20° 59' 6.004" N
P-178	84° 54' 24.797" E	20° 59' 6.033" N
P-179	84° 54' 24.812" E	20° 59' 6.371" N
P-180	84° 54' 24.788" E	20° 59' 7.393" N
P-181	84° 54' 23.245" E	20° 59' 9.655" N
P-182	84° 54' 22.485" E	20° 59' 11.036" N
P-183	84° 54' 22.204" E	20° 59' 12.182" N
P-184	84° 54' 22.163" E	20° 59' 12.914" N
P-185	84° 54' 22.852" E	20° 59' 13.211" N
P-186	84° 54' 24.524" E	20° 59' 13.201" N
P-187	84° 54' 26.858" E	20° 59' 12.908" N
P-188	84° 54' 28.026" E	20° 59' 13.052" N
P-189	84° 54' 28.566" E	20° 59' 13.504" N
P-190	84° 54' 28.753" E	20° 59' 13.887" N
P-191	84° 54' 28.714" E	20° 59' 14.634" N
P-192	84° 54' 28.949" E	20° 59' 15.584" N
P-193	84° 54' 29.254" E	20° 59' 16.295" N
P-194	84° 54' 29.859" E	20° 59' 16.590" N
P-195	84° 54' 35.905" E	20° 59' 16.533" N
P-196	84° 54' 36.708" E	20° 59' 16.588" N

Provisional Cardinal Points for Radhikapur (East) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-197	84° 54' 36.860" E	20° 59' 16.048" N
P-198	84° 54' 37.408" E	20° 59' 15.907" N
P-199	84° 54' 39.133" E	20° 59' 16.241" N
P-200	84° 54' 40.489" E	20° 59' 16.268" N
P-201	84° 54' 42.172" E	20° 59' 15.845" N
P-202	84° 54' 44.365" E	20° 59' 15.109" N
P-203	84° 54' 46.121" E	20° 59' 14.652" N
P-204	84° 54' 47.951" E	20° 59' 14.297" N
P-205	84° 54' 49.305" E	20° 59' 14.083" N
P-206	84° 54' 51.248" E	20° 59' 14.140" N
P-207	84° 54' 52.456" E	20° 59' 13.961" N
P-208	84° 54' 55.124" E	20° 59' 12.913" N
P-209	84° 54' 56.424" E	20° 59' 12.595" N
P-210	84° 54' 58.368" E	20° 59' 12.197" N
P-211	84° 54' 59.100" E	20° 59' 12.064" N
P-212	84° 55' 0.313" E	20° 59' 12.013" N
P-213	84° 55' 1.345" E	20° 59' 12.136" N
P-214	84° 55' 2.239" E	20° 59' 12.368" N
P-215	84° 55' 2.837" E	20° 59' 12.730" N
P-216	84° 55' 3.444" E	20° 59' 13.327" N
P-217	84° 55' 3.551" E	20° 59' 13.401" N
P-218	84° 55' 4.371" E	20° 59' 14.265" N
P-219	84° 55' 4.810" E	20° 59' 14.829" N
P-220	84° 55' 5.319" E	20° 59' 15.756" N
P-221	84° 55' 5.732" E	20° 59' 17.038" N
P-222	84° 55' 5.792" E	20° 59' 17.214" N
P-223	84° 55' 6.060" E	20° 59' 18.945" N
P-224	84° 55' 6.273" E	20° 59' 19.955" N
P-225	84° 55' 6.266" E	20° 59' 22.256" N
P-226	84° 55' 6.228" E	20° 59' 23.461" N
P-227	84° 55' 6.173" E	20° 59' 25.608" N
P-228	84° 55' 6.201" E	20° 59' 26.231" N
P-229	84° 55' 6.673" E	20° 59' 28.755" N
P-230	84° 55' 7.235" E	20° 59' 30.507" N
P-231	84° 55' 8.759" E	20° 59' 32.088" N
P-232	84° 55' 9.069" E	20° 59' 32.324" N
P-233	84° 55' 9.966" E	20° 59' 33.381" N
P-234	84° 55' 11.437" E	20° 59' 34.267" N
P-235	84° 55' 12.796" E	20° 59' 34.707" N
P-236	84° 55' 14.189" E	20° 59' 34.802" N
P-237	84° 55' 15.120" E	20° 59' 34.631" N
P-238	84° 55' 16.354" E	20° 59' 34.237" N
P-239	84° 55' 16.946" E	20° 59' 33.760" N
P-240	84° 55' 17.445" E	20° 59' 32.962" N
P-241	84° 55' 17.784" E	20° 59' 32.271" N
P-242	84° 55' 18.552" E	20° 59' 30.718" N
P-243	84° 55' 20.005" E	20° 59' 28.882" N
P-244	84° 55' 20.985" E	20° 59' 27.456" N
P-245	84° 55' 21.799" E	20° 59' 25.886" N

Provisional Cardinal Points for Radhikapur (East) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-246	84° 55' 22.106" E	20° 59' 25.213" N
P-247	84° 55' 22.996" E	20° 59' 24.106" N
P-248	84° 55' 24.107" E	20° 59' 23.050" N
P-249	84° 55' 24.999" E	20° 59' 22.253" N
P-250	84° 55' 25.517" E	20° 59' 21.462" N
P-251	84° 55' 26.746" E	20° 59' 20.370" N
P-252	84° 55' 27.959" E	20° 59' 18.931" N
P-253	84° 55' 28.956" E	20° 59' 18.022" N
P-254	84° 55' 29.227" E	20° 59' 17.426" N
P-255	84° 55' 30.334" E	20° 59' 16.504" N
P-256	84° 55' 31.050" E	20° 59' 16.112" N
P-257	84° 55' 31.640" E	20° 59' 15.941" N
P-258	84° 55' 32.396" E	20° 59' 15.923" N
P-259	84° 55' 33.770" E	20° 59' 15.967" N
P-260	84° 55' 34.444" E	20° 59' 16.053" N
P-261	84° 55' 35.282" E	20° 59' 16.010" N
P-262	84° 55' 36.298" E	20° 59' 15.862" N
P-263	84° 55' 37.039" E	20° 59' 15.806" N
P-264	84° 55' 38.318" E	20° 59' 15.914" N
P-265	84° 55' 39.702" E	20° 59' 15.988" N
P-266	84° 55' 41.277" E	20° 59' 15.978" N
P-267	84° 55' 42.157" E	20° 59' 15.990" N
P-268	84° 55' 43.401" E	20° 59' 15.776" N
P-269	84° 55' 44.188" E	20° 59' 15.617" N
P-270	84° 55' 44.844" E	20° 59' 15.114" N
P-271	84° 55' 44.932" E	20° 59' 14.494" N
P-272	84° 55' 44.837" E	20° 59' 14.047" N
P-273	84° 55' 44.464" E	20° 59' 13.120" N
P-274	84° 55' 44.259" E	20° 59' 12.605" N
P-275	84° 55' 44.126" E	20° 59' 11.901" N
P-276	84° 55' 43.095" E	20° 59' 10.484" N
P-277	84° 55' 41.546" E	20° 59' 8.945" N
P-278	84° 55' 40.565" E	20° 59' 8.073" N
P-279	84° 55' 39.473" E	20° 59' 7.164" N
P-280	84° 55' 38.643" E	20° 59' 6.356" N
P-281	84° 55' 38.075" E	20° 59' 5.688" N
P-282	84° 55' 37.637" E	20° 59' 5.282" N
P-283	84° 55' 37.278" E	20° 59' 4.654" N
P-284	84° 55' 37.234" E	20° 59' 4.606" N
P-285	84° 55' 37.226" E	20° 59' 4.579" N
P-286	84° 55' 36.748" E	20° 59' 3.880" N
P-287	84° 55' 36.607" E	20° 59' 3.262" N
P-288	84° 55' 36.824" E	20° 59' 2.899" N
P-289	84° 55' 37.825" E	20° 59' 2.584" N
P-290	84° 55' 38.594" E	20° 59' 2.424" N
P-291	84° 55' 39.388" E	20° 59' 2.110" N
P-292	84° 55' 39.867" E	20° 59' 1.784" N
P-293	84° 55' 41.398" E	20° 59' 1.216" N
P-294	84° 55' 42.165" E	20° 59' 0.889" N

Provisional Cardinal Points for Radhikapur (East) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-295	84° 55' 42.782" E	20° 59' 0.704" N