Radhikapur (West) Coal Block Summary

PART A

Sl. No.	Features	Details
1.	**Location**	
	Coal Block	**Radhikapur (West)**
	Latitude	20° 57' 51" N to 20° 59' 47" N (Provisional)
	Longitude	84° 51' 13" E to 84° 54' 37" E (Provisional)
	Topo Sheet No.	Toposheet No. 73 D/13
	Coalfield	Talcher Coalfield
	Villages	Nuapada, Kuskila and Barpada.(As per SOI toposheet)
	Tehsil/Taluka	Chhendipada
	District	Angul
	State	Odisha
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest railhead Angul is situated at a distance of about 23 km from the southern Client: Ministry of Coal Project: Geological Report Radhikapur Block boundary of the block and is connected to Sambalpur – Bhubaneswar railway line of East Coast Railways.
	Road	District headquarter Angul, located on National Highway 42 (Manguli Chowk to Sambalpur), is the nearest town at a distance of about 24 km from the southern boundary of the block. The Angul-Rengali metalled road is around 2 km away from the eastern boundary of the block. Mud roads and morrum roads are the medium of accessibility within and between the villages in this block.
	Airport	The Biju Pattanaik International Airport, located at the state capital Bhubaneswar, is the nearest airport.
3.	**Area**	
	Geological Block Area	10.29 sq km (As per shape file; Refer Note 3)
	Forest Area	Nil (As per GR)
	Non-Forest Area	10.48 (As per GR)
4.	**Climate and Topography**	
	Average Annual Rainfall	Annual rainfall varies between 71 cm and 186 cm.
	Temperature (Min. — Max.)	6.7°C - 47°C
	Local Surface Drainage Channels	Nuabanda nala, which forms the eastern boundary of the block, flows into Singhada jhor at the north-eastern corner of the block and controls the pattern of the block.
	Rivers	Nuabanda nala
5.	**Exploration**	
	Status	Explored
	Exploration Agency	CMPDI
	Total Number of Boreholes with	109 boreholes & 17321.50m

	Borehole Density	10 boreholes per sq km					
	General Dip of Seams	3°-8° towards North in general					
	General Strike Direction	East-West with minor variations to ENE-WSW					
6.	**Coal Seams & Reserve**						
	Number of Coal Seams	Thickness Range (m)	Depth Range (m)	Net Proved Reserves (Mt.)	Gross Indicated Reserves (Mt.)	Total Reserves (Mt.)	Grade
	XI	0.11 - 5.92	15.00 - 91.75	4.128	-	4.128	F - G
	LOCAL 1	0.09 - 1.55	11.80 - 97.93		-	-	-
	X	0.12 - 6.20	13.81 - 109.51	1.291	-	1.291	G
	IX	1.08 - 41.84	16.52 - 157.9	194.835	-	194.835	F - G
	VIII TOP	0.10 - 2.66	8.77 - 201.94	1.840	-	1.840	E - G
	VIII BOT	0.07 - 1.09	30.65 - 203.72	-	-	-	-
	VII B	0.08 - 4.06	28.68 - 206.29	18.793	-	18.793	E - G
	VII A	0.04 - 3.68	43.54 - 214.27	-	-	-	-
	VI B	0.05 - 0.47	71.00 - 226.54	-	-	-	-
	V B	0.13 - 1.16	63.10 - 232.16	-	-	-	-
	V A	0.05 - 1.40	59.00 – 237.00	-	-	-	-
	IV B	0.15 - 1.37	74.00 - 240.64	2.209	-	2.209	E - G
	LOCAL 2	0.05 - 3.12	61.25 - 256.65	3.687	-	3.687	G
	III E	0.10 - 8.90	66.01 - 270.65	12.473	-	12.473	G
	III D	0.11 - 2.11	143.68 –	3.949	-	3.949	E - G
	III A TOP	0.15 - 2.04	152.44 -	7.3	-	7.300	F - G
	III A BOT	0.34 - 7.99	162.17 -	37.935	-	37.935	E - G
	II C	0.30 - 1.65	209.00 -	-	-	-	-
	II B	0.42 - 4.71	212.14 -	-	23.596	23.596	-
	II A	1.67 - 1.67	275.23 -	-	-	-	-
	TOTAL (Proved + Indicated)			**288.440**	**23.596**	**312.036**	
7.	**Surface Constraints**	NA					

PART B

Sl. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	Rungta Mines Limited, OCL India Ltd., Ocean Ispat Ltd.
2.	**Mine Capacity as per Mining Plan**	**6 Mty**
3.	**Status of Clearances/Approvals**	
	Mining Plan/ Mine Closure Plan	MoC letter No. 13016/77/2006-CA-I (Part) dated 23.06.2011
	Forest Clearance	-Not available-
	Environmental Clearance	- Not available -
	Mining Lease	- Not available -
	Land Acquisition	-Nil-
4.	No. of PAFs	-Not assessed-

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 (West) Block, Talcher Coalfield

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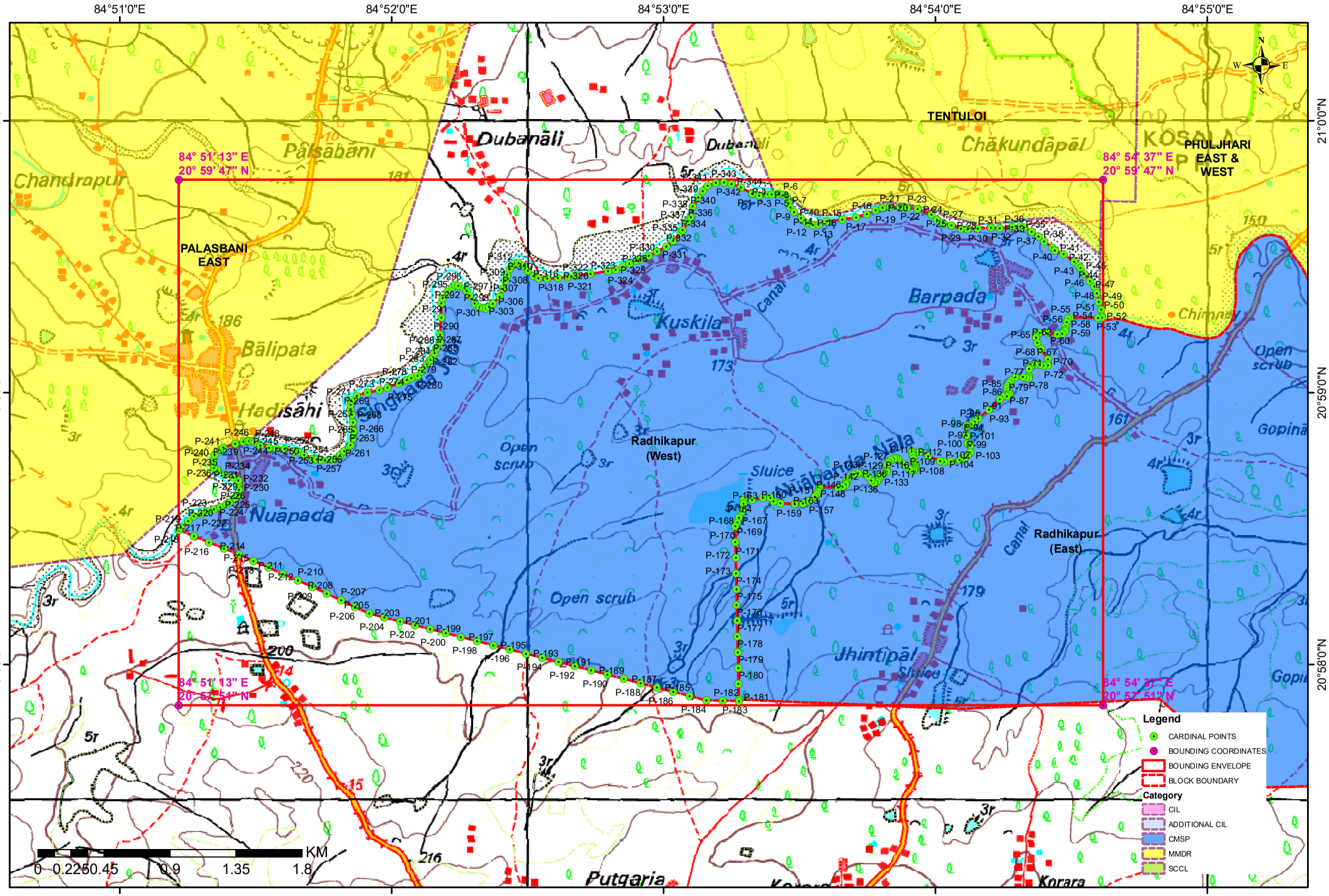

NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 53' 19.576" E	20° 59' 43.944" N
P-2	84° 53' 21.112" E	20° 59' 43.522" N
P-3	84° 53' 22.983" E	20° 59' 43.787" N
P-4	84° 53' 23.826" E	20° 59' 43.817" N
P-5	84° 53' 25.329" E	20° 59' 43.911" N
P-6	84° 53' 26.463" E	20° 59' 43.664" N
P-7	84° 53' 27.193" E	20° 59' 43.143" N
P-8	84° 53' 27.624" E	20° 59' 41.799" N
P-9	84° 53' 27.984" E	20° 59' 40.902" N
P-10	84° 53' 28.821" E	20° 59' 39.899" N
P-11	84° 53' 30.351" E	20° 59' 38.514" N
P-12	84° 53' 31.538" E	20° 59' 37.475" N
P-13	84° 53' 33.001" E	20° 59' 37.019" N
P-14	84° 53' 34.163" E	20° 59' 37.131" N
P-15	84° 53' 36.053" E	20° 59' 37.828" N
P-16	84° 53' 39.400" E	20° 59' 38.196" N
P-17	84° 53' 42.472" E	20° 59' 38.695" N
P-18	84° 53' 44.858" E	20° 59' 39.413" N
P-19	84° 53' 46.788" E	20° 59' 40.262" N
P-20	84° 53' 48.395" E	20° 59' 40.855" N
P-21	84° 53' 49.954" E	20° 59' 41.061" N
P-22	84° 53' 52.246" E	20° 59' 40.952" N
P-23	84° 53' 53.785" E	20° 59' 40.840" N
P-24	84° 53' 56.018" E	20° 59' 40.518" N
P-25	84° 53' 59.088" E	20° 59' 39.296" N
P-26	84° 54' 0.400" E	20° 59' 38.187" N
P-27	84° 54' 1.715" E	20° 59' 37.491" N
P-28	84° 54' 3.580" E	20° 59' 36.930" N
P-29	84° 54' 5.627" E	20° 59' 36.195" N
P-30	84° 54' 7.127" E	20° 59' 36.106" N
P-31	84° 54' 9.382" E	20° 59' 36.248" N
P-32	84° 54' 12.269" E	20° 59' 36.438" N
P-33	84° 54' 14.109" E	20° 59' 36.298" N
P-34	84° 54' 16.914" E	20° 59' 36.592" N
P-35	84° 54' 18.756" E	20° 59' 36.658" N
P-36	84° 54' 19.607" E	20° 59' 36.498" N
P-37	84° 54' 21.195" E	20° 59' 35.534" N
P-38	84° 54' 22.699" E	20° 59' 34.493" N
P-39	84° 54' 23.984" E	20° 59' 33.350" N
P-40	84° 54' 25.871" E	20° 59' 31.997" N
P-41	84° 54' 26.389" E	20° 59' 31.426" N
P-42	84° 54' 28.335" E	20° 59' 30.589" N
P-43	84° 54' 30.574" E	20° 59' 28.926" N
P-44	84° 54' 31.558" E	20° 59' 28.043" N
P-45	84° 54' 32.076" E	20° 59' 27.523" N
P-46	84° 54' 32.838" E	20° 59' 26.280" N
P-47	84° 54' 34.118" E	20° 59' 24.621" N
P-48	84° 54' 35.045" E	20° 59' 23.454" N
P-49	84° 54' 35.640" E	20° 59' 21.979" N

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-50	84° 54' 36.095" E	20° 59' 20.058" N
P-51	84° 54' 36.523" E	20° 59' 18.352" N
P-52	84° 54' 36.651" E	20° 59' 16.932" N
P-53	84° 54' 36.708" E	20° 59' 16.588" N
P-54	84° 54' 35.905" E	20° 59' 16.533" N
P-55	84° 54' 29.859" E	20° 59' 16.590" N
P-56	84° 54' 29.254" E	20° 59' 16.295" N
P-57	84° 54' 28.949" E	20° 59' 15.584" N
P-58	84° 54' 28.714" E	20° 59' 14.634" N
P-59	84° 54' 28.753" E	20° 59' 13.887" N
P-60	84° 54' 28.566" E	20° 59' 13.504" N
P-61	84° 54' 28.026" E	20° 59' 13.052" N
P-62	84° 54' 26.858" E	20° 59' 12.908" N
P-63	84° 54' 24.524" E	20° 59' 13.201" N
P-64	84° 54' 22.852" E	20° 59' 13.211" N
P-65	84° 54' 22.163" E	20° 59' 12.914" N
P-66	84° 54' 22.204" E	20° 59' 12.182" N
P-67	84° 54' 22.485" E	20° 59' 11.036" N
P-68	84° 54' 23.245" E	20° 59' 9.655" N
P-69	84° 54' 24.788" E	20° 59' 7.393" N
P-70	84° 54' 24.812" E	20° 59' 6.371" N
P-71	84° 54' 24.797" E	20° 59' 6.033" N
P-72	84° 54' 23.917" E	20° 59' 6.004" N
P-73	84° 54' 22.966" E	20° 59' 6.181" N
P-74	84° 54' 21.922" E	20° 59' 6.222" N
P-75	84° 54' 21.214" E	20° 59' 6.009" N
P-76	84° 54' 21.075" E	20° 59' 5.870" N
P-77	84° 54' 20.725" E	20° 59' 5.283" N
P-78	84° 54' 20.643" E	20° 59' 3.662" N
P-79	84° 54' 20.601" E	20° 59' 3.253" N
P-80	84° 54' 19.942" E	20° 59' 3.343" N
P-81	84° 54' 19.284" E	20° 59' 3.484" N
P-82	84° 54' 17.591" E	20° 59' 3.448" N
P-83	84° 54' 16.701" E	20° 59' 2.641" N
P-84	84° 54' 16.203" E	20° 59' 2.065" N
P-85	84° 54' 15.808" E	20° 59' 1.440" N
P-86	84° 54' 15.877" E	20° 59' 0.871" N
P-87	84° 54' 16.313" E	20° 59' 0.267" N
P-88	84° 54' 16.328" E	20° 58' 59.699" N
P-89	84° 54' 16.129" E	20° 58' 59.534" N
P-90	84° 54' 15.848" E	20° 58' 59.254" N
P-91	84° 54' 14.750" E	20° 58' 59.163" N
P-92	84° 54' 14.246" E	20° 58' 58.583" N
P-93	84° 54' 11.891" E	20° 58' 56.264" N
P-94	84° 54' 9.510" E	20° 58' 54.379" N
P-95	84° 54' 8.715" E	20° 58' 53.612" N
P-96	84° 54' 7.921" E	20° 58' 53.029" N
P-97	84° 54' 7.120" E	20° 58' 52.716" N
P-98	84° 54' 6.865" E	20° 58' 52.665" N

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-99	84° 54' 6.888" E	20° 58' 50.600" N
P-100	84° 54' 7.078" E	20° 58' 48.826" N
P-101	84° 54' 7.681" E	20° 58' 48.599" N
P-102	84° 54' 7.697" E	20° 58' 48.289" N
P-103	84° 54' 7.670" E	20° 58' 46.826" N
P-104	84° 54' 7.163" E	20° 58' 46.233" N
P-105	84° 54' 6.406" E	20° 58' 45.561" N
P-106	84° 54' 5.295" E	20° 58' 45.163" N
P-107	84° 54' 3.347" E	20° 58' 44.803" N
P-108	84° 54' 1.950" E	20° 58' 44.745" N
P-109	84° 54' 1.099" E	20° 58' 44.943" N
P-110	84° 53' 58.468" E	20° 58' 46.017" N
P-111	84° 53' 56.427" E	20° 58' 46.945" N
P-112	84° 53' 54.982" E	20° 58' 47.005" N
P-113	84° 53' 54.881" E	20° 58' 46.804" N
P-114	84° 53' 54.943" E	20° 58' 46.122" N
P-115	84° 53' 55.137" E	20° 58' 45.501" N
P-116	84° 53' 55.429" E	20° 58' 44.694" N
P-117	84° 53' 55.656" E	20° 58' 44.073" N
P-118	84° 53' 55.719" E	20° 58' 43.670" N
P-119	84° 53' 55.684" E	20° 58' 43.361" N
P-120	84° 53' 55.419" E	20° 58' 43.238" N
P-121	84° 53' 55.192" E	20° 58' 42.951" N
P-122	84° 53' 54.779" E	20° 58' 42.915" N
P-123	84° 53' 54.313" E	20° 58' 43.124" N
P-124	84° 53' 53.166" E	20° 58' 44.150" N
P-125	84° 53' 51.800" E	20° 58' 45.333" N
P-126	84° 53' 51.169" E	20° 58' 45.543" N
P-127	84° 53' 50.768" E	20° 58' 45.450" N
P-128	84° 53' 50.108" E	20° 58' 45.136" N
P-129	84° 53' 49.584" E	20° 58' 44.609" N
P-130	84° 53' 49.319" E	20° 58' 44.147" N
P-131	84° 53' 49.292" E	20° 58' 42.812" N
P-132	84° 53' 49.295" E	20° 58' 42.598" N
P-133	84° 53' 48.647" E	20° 58' 42.254" N
P-134	84° 53' 47.750" E	20° 58' 41.522" N
P-135	84° 53' 47.616" E	20° 58' 41.244" N
P-136	84° 53' 47.381" E	20° 58' 40.748" N
P-137	84° 53' 47.114" E	20° 58' 40.377" N
P-138	84° 53' 46.466" E	20° 58' 39.999" N
P-139	84° 53' 46.320" E	20° 58' 40.138" N
P-140	84° 53' 45.847" E	20° 58' 40.622" N
P-141	84° 53' 45.083" E	20° 58' 41.521" N
P-142	84° 53' 44.209" E	20° 58' 42.214" N
P-143	84° 53' 42.963" E	20° 58' 42.222" N
P-144	84° 53' 42.008" E	20° 58' 41.952" N
P-145	84° 53' 40.659" E	20° 58' 40.942" N
P-146	84° 53' 40.357" E	20° 58' 40.415" N
P-147	84° 53' 40.288" E	20° 58' 39.981" N

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-148	84° 53' 40.154" E	20° 58' 39.702" N
P-149	84° 53' 39.536" E	20° 58' 39.282" N
P-150	84° 53' 38.472" E	20° 58' 39.081" N
P-151	84° 53' 34.549" E	20° 58' 39.154" N
P-152	84° 53' 34.361" E	20° 58' 38.902" N
P-153	84° 53' 34.221" E	20° 58' 38.265" N
P-154	84° 53' 34.114" E	20° 58' 38.109" N
P-155	84° 53' 33.841" E	20° 58' 37.551" N
P-156	84° 53' 33.357" E	20° 58' 37.037" N
P-157	84° 53' 32.101" E	20° 58' 36.150" N
P-158	84° 53' 30.705" E	20° 58' 35.573" N
P-159	84° 53' 29.019" E	20° 58' 35.445" N
P-160	84° 53' 25.722" E	20° 58' 35.601" N
P-161	84° 53' 24.259" E	20° 58' 36.023" N
P-162	84° 53' 23.605" E	20° 58' 36.783" N
P-163	84° 53' 21.919" E	20° 58' 36.793" N
P-164	84° 53' 19.608" E	20° 58' 36.359" N
P-165	84° 53' 17.698" E	20° 58' 36.270" N
P-166	84° 53' 17.622" E	20° 58' 35.555" N
P-167	84° 53' 17.311" E	20° 58' 33.839" N
P-168	84° 53' 16.703" E	20° 58' 32.437" N
P-169	84° 53' 16.190" E	20° 58' 31.350" N
P-170	84° 53' 15.783" E	20° 58' 30.560" N
P-171	84° 53' 15.858" E	20° 58' 27.080" N
P-172	84° 53' 15.933" E	20° 58' 23.600" N
P-173	84° 53' 16.008" E	20° 58' 20.121" N
P-174	84° 53' 16.082" E	20° 58' 16.641" N
P-175	84° 53' 16.157" E	20° 58' 13.161" N
P-176	84° 53' 16.232" E	20° 58' 9.681" N
P-177	84° 53' 16.307" E	20° 58' 6.201" N
P-178	84° 53' 16.382" E	20° 58' 2.721" N
P-179	84° 53' 16.457" E	20° 57' 59.241" N
P-180	84° 53' 16.532" E	20° 57' 55.762" N
P-181	84° 53' 16.606" E	20° 57' 52.282" N
P-182	84° 53' 16.614" E	20° 57' 51.924" N
P-183	84° 53' 13.021" E	20° 57' 52.013" N
P-184	84° 53' 9.427" E	20° 57' 52.101" N
P-185	84° 53' 5.798" E	20° 57' 53.047" N
P-186	84° 53' 2.168" E	20° 57' 53.993" N
P-187	84° 52' 58.538" E	20° 57' 54.939" N
P-188	84° 52' 54.909" E	20° 57' 55.886" N
P-189	84° 52' 51.279" E	20° 57' 56.832" N
P-190	84° 52' 47.650" E	20° 57' 57.778" N
P-191	84° 52' 44.020" E	20° 57' 58.724" N
P-192	84° 52' 40.390" E	20° 57' 59.670" N
P-193	84° 52' 36.806" E	20° 58' 0.585" N
P-194	84° 52' 33.222" E	20° 58' 1.500" N
P-195	84° 52' 29.637" E	20° 58' 2.415" N
P-196	84° 52' 26.053" E	20° 58' 3.330" N

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-197	84° 52' 22.469" E	20° 58' 4.245" N
P-198	84° 52' 18.884" E	20° 58' 5.159" N
P-199	84° 52' 15.300" E	20° 58' 6.074" N
P-200	84° 52' 11.920" E	20° 58' 6.938" N
P-201	84° 52' 8.541" E	20° 58' 7.802" N
P-202	84° 52' 5.161" E	20° 58' 8.665" N
P-203	84° 52' 1.782" E	20° 58' 9.529" N
P-204	84° 51' 58.402" E	20° 58' 10.393" N
P-205	84° 51' 55.022" E	20° 58' 11.256" N
P-206	84° 51' 51.901" E	20° 58' 12.724" N
P-207	84° 51' 48.780" E	20° 58' 14.193" N
P-208	84° 51' 45.658" E	20° 58' 15.661" N
P-209	84° 51' 42.537" E	20° 58' 17.129" N
P-210	84° 51' 39.286" E	20° 58' 18.558" N
P-211	84° 51' 36.035" E	20° 58' 19.988" N
P-212	84° 51' 32.784" E	20° 58' 21.417" N
P-213	84° 51' 29.533" E	20° 58' 22.847" N
P-214	84° 51' 26.282" E	20° 58' 24.276" N
P-215	84° 51' 22.982" E	20° 58' 25.625" N
P-216	84° 51' 19.682" E	20° 58' 26.974" N
P-217	84° 51' 16.382" E	20° 58' 28.322" N
P-218	84° 51' 13.082" E	20° 58' 29.671" N
P-219	84° 51' 13.389" E	20° 58' 30.281" N
P-220	84° 51' 15.080" E	20° 58' 31.623" N
P-221	84° 51' 16.371" E	20° 58' 32.767" N
P-222	84° 51' 18.025" E	20° 58' 33.298" N
P-223	84° 51' 19.265" E	20° 58' 33.833" N
P-224	84° 51' 20.751" E	20° 58' 34.264" N
P-225	84° 51' 22.097" E	20° 58' 34.764" N
P-226	84° 51' 23.563" E	20° 58' 35.427" N
P-227	84° 51' 24.260" E	20° 58' 35.770" N
P-228	84° 51' 25.438" E	20° 58' 36.767" N
P-229	84° 51' 25.992" E	20° 58' 37.435" N
P-230	84° 51' 26.246" E	20° 58' 38.569" N
P-231	84° 51' 26.200" E	20° 58' 40.015" N
P-232	84° 51' 26.094" E	20° 58' 40.609" N
P-233	84° 51' 25.109" E	20° 58' 41.286" N
P-234	84° 51' 23.190" E	20° 58' 41.967" N
P-235	84° 51' 21.573" E	20° 58' 42.776" N
P-236	84° 51' 21.402" E	20° 58' 42.931" N
P-237	84° 51' 20.808" E	20° 58' 43.451" N
P-238	84° 51' 20.511" E	20° 58' 44.279" N
P-239	84° 51' 20.596" E	20° 58' 45.094" N
P-240	84° 51' 20.884" E	20° 58' 46.261" N
P-241	84° 51' 22.086" E	20° 58' 47.424" N
P-242	84° 51' 22.802" E	20° 58' 47.915" N
P-243	84° 51' 25.404" E	20° 58' 48.728" N
P-244	84° 51' 27.221" E	20° 58' 49.234" N
P-245	84° 51' 28.266" E	20° 58' 49.357" N

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-246	84° 51' 28.537" E	20° 58' 49.349" N
P-247	84° 51' 29.310" E	20° 58' 49.326" N
P-248	84° 51' 29.796" E	20° 58' 49.125" N
P-249	84° 51' 31.015" E	20° 58' 48.358" N
P-250	84° 51' 32.908" E	20° 58' 47.858" N
P-251	84° 51' 34.631" E	20° 58' 47.645" N
P-252	84° 51' 36.417" E	20° 58' 47.609" N
P-253	84° 51' 38.667" E	20° 58' 47.106" N
P-254	84° 51' 39.388" E	20° 58' 46.910" N
P-255	84° 51' 40.757" E	20° 58' 46.292" N
P-256	84° 51' 42.428" E	20° 58' 45.405" N
P-257	84° 51' 43.373" E	20° 58' 45.308" N
P-258	84° 51' 44.361" E	20° 58' 45.148" N
P-259	84° 51' 46.258" E	20° 58' 45.163" N
P-260	84° 51' 47.799" E	20° 58' 45.516" N
P-261	84° 51' 48.570" E	20° 58' 46.161" N
P-262	84° 51' 49.528" E	20° 58' 47.112" N
P-263	84° 51' 50.689" E	20° 58' 48.098" N
P-264	84° 51' 50.934" E	20° 58' 48.456" N
P-265	84° 51' 51.474" E	20° 58' 50.016" N
P-266	84° 51' 51.593" E	20° 58' 51.495" N
P-267	84° 51' 51.423" E	20° 58' 53.458" N
P-268	84° 51' 51.177" E	20° 58' 55.180" N
P-269	84° 51' 50.928" E	20° 58' 56.351" N
P-270	84° 51' 50.934" E	20° 58' 57.383" N
P-271	84° 51' 51.123" E	20° 58' 58.311" N
P-272	84° 51' 52.230" E	20° 58' 59.345" N
P-273	84° 51' 54.705" E	20° 59' 0.060" N
P-274	84° 51' 57.209" E	20° 59' 0.588" N
P-275	84° 51' 59.081" E	20° 59' 1.107" N
P-276	84° 52' 1.500" E	20° 59' 2.050" N
P-277	84° 52' 3.060" E	20° 59' 2.601" N
P-278	84° 52' 3.399" E	20° 59' 2.799" N
P-279	84° 52' 4.324" E	20° 59' 3.239" N
P-280	84° 52' 5.655" E	20° 59' 3.726" N
P-281	84° 52' 6.670" E	20° 59' 4.818" N
P-282	84° 52' 7.847" E	20° 59' 6.317" N
P-283	84° 52' 8.350" E	20° 59' 7.034" N
P-284	84° 52' 8.591" E	20° 59' 7.288" N
P-285	84° 52' 9.121" E	20° 59' 7.974" N
P-286	84° 52' 9.522" E	20° 59' 8.750" N
P-287	84° 52' 9.900" E	20° 59' 9.827" N
P-288	84° 52' 10.563" E	20° 59' 11.067" N
P-289	84° 52' 10.636" E	20° 59' 11.246" N
P-290	84° 52' 10.673" E	20° 59' 12.824" N
P-291	84° 52' 10.913" E	20° 59' 16.620" N
P-292	84° 52' 10.925" E	20° 59' 19.739" N
P-293	84° 52' 11.270" E	20° 59' 20.885" N
P-294	84° 52' 12.341" E	20° 59' 22.325" N

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-295	84° 52' 13.521" E	20° 59' 23.385" N
P-296	84° 52' 14.049" E	20° 59' 23.808" N
P-297	84° 52' 14.668" E	20° 59' 23.616" N
P-298	84° 52' 15.928" E	20° 59' 22.990" N
P-299	84° 52' 16.489" E	20° 59' 22.483" N
P-300	84° 52' 17.222" E	20° 59' 21.442" N
P-301	84° 52' 18.338" E	20° 59' 19.707" N
P-302	84° 52' 19.429" E	20° 59' 18.857" N
P-303	84° 52' 20.287" E	20° 59' 18.681" N
P-304	84° 52' 20.828" E	20° 59' 18.612" N
P-305	84° 52' 21.545" E	20° 59' 18.944" N
P-306	84° 52' 22.346" E	20° 59' 19.636" N
P-307	84° 52' 23.840" E	20° 59' 21.228" N
P-308	84° 52' 24.511" E	20° 59' 22.979" N
P-309	84° 52' 25.019" E	20° 59' 24.735" N
P-310	84° 52' 25.546" E	20° 59' 26.040" N
P-311	84° 52' 26.112" E	20° 59' 27.272" N
P-312	84° 52' 26.676" E	20° 59' 28.148" N
P-313	84° 52' 27.125" E	20° 59' 28.552" N
P-314	84° 52' 28.002" E	20° 59' 28.652" N
P-315	84° 52' 29.042" E	20° 59' 27.975" N
P-316	84° 52' 30.079" E	20° 59' 26.911" N
P-317	84° 52' 31.309" E	20° 59' 25.794" N
P-318	84° 52' 32.377" E	20° 59' 25.298" N
P-319	84° 52' 34.273" E	20° 59' 25.236" N
P-320	84° 52' 36.720" E	20° 59' 25.299" N
P-321	84° 52' 38.782" E	20° 59' 25.520" N
P-322	84° 52' 40.543" E	20° 59' 25.846" N
P-323	84° 52' 43.926" E	20° 59' 26.265" N
P-324	84° 52' 47.695" E	20° 59' 26.863" N
P-325	84° 52' 49.374" E	20° 59' 27.164" N
P-326	84° 52' 50.889" E	20° 59' 27.775" N
P-327	84° 52' 52.433" E	20° 59' 28.514" N
P-328	84° 52' 54.168" E	20° 59' 29.124" N
P-329	84° 52' 54.931" E	20° 59' 29.384" N
P-330	84° 52' 56.699" E	20° 59' 30.234" N
P-331	84° 52' 58.519" E	20° 59' 31.179" N
P-332	84° 53' 0.588" E	20° 59' 32.303" N
P-333	84° 53' 2.107" E	20° 59' 33.533" N
P-334	84° 53' 3.854" E	20° 59' 35.411" N
P-335	84° 53' 4.250" E	20° 59' 35.936" N
P-336	84° 53' 5.346" E	20° 59' 37.857" N
P-337	84° 53' 5.993" E	20° 59' 38.783" N
P-338	84° 53' 6.448" E	20° 59' 41.120" N
P-339	84° 53' 7.605" E	20° 59' 43.107" N
P-340	84° 53' 8.706" E	20° 59' 44.487" N
P-341	84° 53' 9.678" E	20° 59' 45.686" N
P-342	84° 53' 11.566" E	20° 59' 46.330" N
P-343	84° 53' 13.326" E	20° 59' 46.423" N

Provisional Cardinal Points for Radhikapur (West) Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-344	84° 53' 15.046" E	20° 59' 46.069" N
P-345	84° 53' 17.093" E	20° 59' 45.300" N