BANKHUI BLOCK SUMMARY
PART A

Sr. No.	Features	Details
1.	**Location**	
	Coal Block	**Bankhui**
	Latitude	21° 4' 5" N - 21° 6' 13" N (Provisional)
	Longitude	84° 54' 41" E -84° 56' 51" E (Provisional)
	Topo Sheet No.	73C/16
	Coalfield	Talcher
	Villages	Santarabandha
	Tehsil/Taluka	Chhendipada
	District	Angul
	State	Odisha
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest rail head is Talcher Rail Station, which is the terminus point of the road gauge branch line of the southeastern railway connecting Talcher and Puri.
	Road	The area is situated at about 40kms from Angul, a subdivisional headquarter on the National highway No.42 through Angul-Deogarh road. Besides the main metalled road, there are a few. Numbers of panchyat and fair weather road branching through the area.
	Airport	
3.	**Area**	
	Geological Block Area	9.98 sq. km.(As per shape file , Refer note below)
	Green Cover	Approx. 40% (As per FSI Map)
	Area excluding green cover	Approx. 60% (As per FSI Map)
4.	**Climate and Topography**	
	Average Annual Rainfall	Min 9.3 – Max 44.10 C
	Temperature (Min. — Max.)	Min 1086 mm –Max 2382 mm
	Local Surface Drainage Channels	Gauduni, Ullani, Kudaposi and Atandi nallas are the main tributaries of the Olhani nalla which finally joins with the Tikara Nala in the north. Kumbhira nala flows along the western part of this block also joins with the Tikara nala. All the branch nallas are flowing in a north south direction. Besides this, there are a number of small rivulets joining with the different tributaries and controlling the drainage system of the area.
	Rivers	
5.	**Exploration**	

	Status	Regionally Explored			
	Exploration Agency	CMPDI, GSI			
	Total Number of Boreholes with meterage	GSI: 6 Boreholes, 1714.65m (TCC Series) CMPDI : 55 Boreholes, 10232.00m Total: 61 Boreholes, 11946.65m			
	Borehole Density	Approx. 6.1 boreholes per sq km			
	General Dip of Seams	Dip at a low angle (4° to 6°) towards north.			
	General Strike Direction	The Lower Gondwana strata exposed in the block generally strikes in a WNW-ESE to E-W direction.			
6.	**Coal Seams & Reserve**				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Resources (mt)	Grade
	X	1.33-3.10			F-G
	IX	2.67-12.96			E-G
	VIII	1.27-9.75			F-G
	VII	4.64-18.12			G
	VI	7.08-30.19			D-G
	III Top	2.87-19.90			E-F
	III Mid	0.56-14.14			D-F
	III Bot	1.46-18.27			E-F
	II	0.60-1.42			C-F
	IA	2.34-22.83			B-F
	IB	0.67-6.74			A-D
	IC	0.59-5.51			B-E
	ID	0.54-3.95			A-E
	IE	0.54-4.84			A-E
	IF	0.75-4.84			B-E
	Total			**800**	
7.	**Surface Constraints**	NA			
8.	**Grade of coal**	G-12 (Provisional) based on weighted average grade as per grade-wise data available in GR.			
9.	**Decision Support System (DSS) Analysis**	Wildlife info: The polygon touches Wildlife Habitat(s)- Sloth Bear & Dhole			
10.	**Eco Sensitive Zone (ESZ)**	The tiger corridor connecting Simplipal and Satkosia is approx.8.4 kms from the northern block boundary and 13.8 kms from the S-W block boundary.Approx. 14 km from the boundary of the ESZ of Mahanadi Elephant Region in the N-E direction.			

Note:

1. The above data is compiled from Geological Report. 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.

Bankhui Block, Talcher Coalfield

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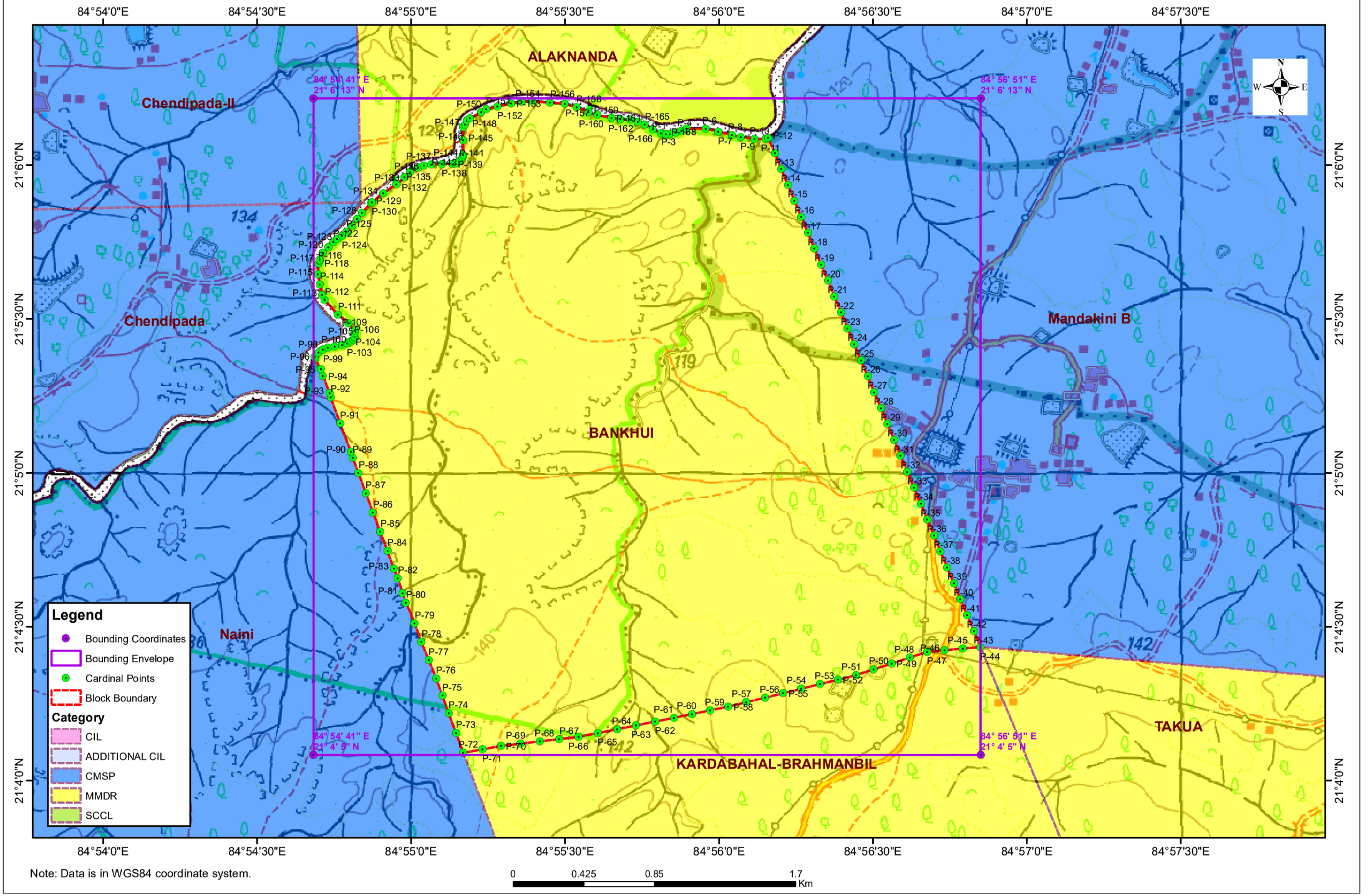

Note: Data is in WGS84 coordinate system.

Provisional Cardinal Points for BANKHUI Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 55' 49.704" E	21° 6' 6.000" N
P-2	84° 55' 50.368" E	21° 6' 5.996" N
P-3	84° 55' 51.608" E	21° 6' 6.354" N
P-4	84° 55' 52.665" E	21° 6' 6.670" N
P-5	84° 55' 53.699" E	21° 6' 7.094" N
P-6	84° 55' 57.453" E	21° 6' 7.063" N
P-7	84° 55' 59.870" E	21° 6' 6.498" N
P-8	84° 56' 2.506" E	21° 6' 5.863" N
P-9	84° 56' 4.227" E	21° 6' 5.474" N
P-10	84° 56' 6.938" E	21° 6' 5.080" N
P-11	84° 56' 9.102" E	21° 6' 5.101" N
P-12	84° 56' 9.531" E	21° 6' 5.278" N
P-13	84° 56' 10.848" E	21° 6' 2.336" N
P-14	84° 56' 12.142" E	21° 5' 59.230" N
P-15	84° 56' 13.436" E	21° 5' 56.123" N
P-16	84° 56' 14.729" E	21° 5' 53.017" N
P-17	84° 56' 16.023" E	21° 5' 49.911" N
P-18	84° 56' 17.316" E	21° 5' 46.804" N
P-19	84° 56' 18.609" E	21° 5' 43.698" N
P-20	84° 56' 19.903" E	21° 5' 40.591" N
P-21	84° 56' 21.196" E	21° 5' 37.485" N
P-22	84° 56' 22.490" E	21° 5' 34.379" N
P-23	84° 56' 23.783" E	21° 5' 31.272" N
P-24	84° 56' 25.076" E	21° 5' 28.166" N
P-25	84° 56' 26.370" E	21° 5' 25.059" N
P-26	84° 56' 27.663" E	21° 5' 21.953" N
P-27	84° 56' 28.957" E	21° 5' 18.846" N
P-28	84° 56' 30.250" E	21° 5' 15.740" N
P-29	84° 56' 31.543" E	21° 5' 12.634" N
P-30	84° 56' 32.836" E	21° 5' 9.527" N
P-31	84° 56' 34.130" E	21° 5' 6.421" N
P-32	84° 56' 35.423" E	21° 5' 3.314" N
P-33	84° 56' 36.716" E	21° 5' 0.208" N
P-34	84° 56' 38.009" E	21° 4' 57.101" N
P-35	84° 56' 39.303" E	21° 4' 53.995" N
P-36	84° 56' 40.596" E	21° 4' 50.889" N
P-37	84° 56' 41.889" E	21° 4' 47.782" N
P-38	84° 56' 43.182" E	21° 4' 44.676" N
P-39	84° 56' 44.475" E	21° 4' 41.569" N
P-40	84° 56' 45.768" E	21° 4' 38.463" N
P-41	84° 56' 47.061" E	21° 4' 35.356" N
P-42	84° 56' 48.355" E	21° 4' 32.250" N
P-43	84° 56' 49.648" E	21° 4' 29.144" N
P-44	84° 56' 50.941" E	21° 4' 26.037" N
P-45	84° 56' 47.473" E	21° 4' 25.728" N
P-46	84° 56' 44.006" E	21° 4' 25.419" N
P-47	84° 56' 40.538" E	21° 4' 25.110" N

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P-48	84° 56' 37.088" E	21° 4' 23.974" N
P-49	84° 56' 33.638" E	21° 4' 22.838" N
P-50	84° 56' 30.188" E	21° 4' 21.702" N
P-51	84° 56' 26.738" E	21° 4' 20.567" N
P-52	84° 56' 23.178" E	21° 4' 19.684" N
P-53	84° 56' 19.618" E	21° 4' 18.802" N
P-54	84° 56' 16.058" E	21° 4' 17.920" N
P-55	84° 56' 12.498" E	21° 4' 17.038" N
P-56	84° 56' 8.938" E	21° 4' 16.155" N
P-57	84° 56' 5.378" E	21° 4' 15.273" N
P-58	84° 56' 1.818" E	21° 4' 14.391" N
P-59	84° 55' 58.258" E	21° 4' 13.672" N
P-60	84° 55' 54.699" E	21° 4' 12.954" N
P-61	84° 55' 51.139" E	21° 4' 12.235" N
P-62	84° 55' 47.580" E	21° 4' 11.517" N
P-63	84° 55' 43.841" E	21° 4' 10.764" N
P-64	84° 55' 40.103" E	21° 4' 10.011" N
P-65	84° 55' 36.364" E	21° 4' 9.258" N
P-66	84° 55' 32.626" E	21° 4' 8.505" N
P-67	84° 55' 28.855" E	21° 4' 8.070" N
P-68	84° 55' 25.084" E	21° 4' 7.635" N
P-69	84° 55' 21.313" E	21° 4' 7.200" N
P-70	84° 55' 17.542" E	21° 4' 6.765" N
P-71	84° 55' 13.860" E	21° 4' 6.102" N
P-72	84° 55' 10.179" E	21° 4' 5.439" N
P-73	84° 55' 8.738" E	21° 4' 9.291" N
P-74	84° 55' 7.297" E	21° 4' 13.143" N
P-75	84° 55' 6.084" E	21° 4' 16.538" N
P-76	84° 55' 4.871" E	21° 4' 19.932" N
P-77	84° 55' 3.433" E	21° 4' 23.478" N
P-78	84° 55' 1.994" E	21° 4' 27.024" N
P-79	84° 55' 0.717" E	21° 4' 30.661" N
P-80	84° 54' 58.990" E	21° 4' 34.662" N
P-81	84° 54' 58.416" E	21° 4' 36.541" N
P-82	84° 54' 57.395" E	21° 4' 39.450" N
P-83	84° 54' 56.627" E	21° 4' 41.329" N
P-84	84° 54' 55.350" E	21° 4' 44.784" N
P-85	84° 54' 53.966" E	21° 4' 48.522" N
P-86	84° 54' 52.581" E	21° 4' 52.260" N
P-87	84° 54' 51.197" E	21° 4' 55.998" N
P-88	84° 54' 49.758" E	21° 4' 59.955" N
P-89	84° 54' 48.607" E	21° 5' 2.921" N
P-90	84° 54' 48.249" E	21° 5' 4.114" N
P-91	84° 54' 46.164" E	21° 5' 9.672" N
P-92	84° 54' 44.295" E	21° 5' 14.752" N
P-93	84° 54' 44.117" E	21° 5' 15.570" N
P-94	84° 54' 42.823" E	21° 5' 18.911" N
P-95	84° 54' 42.373" E	21° 5' 20.231" N

Provisional Cardinal Points for BANKHUI Block

P-96	84° 54' 41.310" E	21° 5' 22.245" N
P-97	84° 54' 41.144" E	21° 5' 22.576" N
P-98	84° 54' 41.905" E	21° 5' 23.489" N
P-99	84° 54' 42.825" E	21° 5' 24.022" N
P-100	84° 54' 43.790" E	21° 5' 24.403" N
P-101	84° 54' 45.098" E	21° 5' 24.643" N
P-102	84° 54' 46.521" E	21° 5' 24.914" N
P-103	84° 54' 47.520" E	21° 5' 25.231" N
P-104	84° 54' 48.187" E	21° 5' 25.603" N
P-105	84° 54' 48.726" E	21° 5' 25.974" N
P-106	84° 54' 49.003" E	21° 5' 26.347" N
P-107	84° 54' 49.011" E	21° 5' 26.577" N
P-108	84° 54' 49.023" E	21° 5' 27.289" N
P-109	84° 54' 48.903" E	21° 5' 27.780" N
P-110	84° 54' 47.743" E	21° 5' 29.168" N
P-111	84° 54' 45.733" E	21° 5' 30.831" N
P-112	84° 54' 43.180" E	21° 5' 33.724" N
P-113	84° 54' 42.677" E	21° 5' 34.631" N
P-114	84° 54' 42.215" E	21° 5' 36.728" N
P-115	84° 54' 41.843" E	21° 5' 38.692" N
P-116	84° 54' 41.893" E	21° 5' 40.808" N
P-117	84° 54' 42.151" E	21° 5' 41.408" N
P-118	84° 54' 42.151" E	21° 5' 41.417" N
P-119	84° 54' 42.200" E	21° 5' 41.523" N
P-120	84° 54' 42.836" E	21° 5' 42.891" N
P-121	84° 54' 43.861" E	21° 5' 43.981" N
P-122	84° 54' 44.812" E	21° 5' 45.016" N
P-123	84° 54' 45.554" E	21° 5' 45.609" N
P-124	84° 54' 46.521" E	21° 5' 46.209" N
P-125	84° 54' 47.378" E	21° 5' 46.984" N
P-126	84° 54' 48.471" E	21° 5' 48.176" N
P-127	84° 54' 49.487" E	21° 5' 49.482" N
P-128	84° 54' 50.386" E	21° 5' 50.710" N
P-129	84° 54' 52.192" E	21° 5' 52.591" N
P-130	84° 54' 52.344" E	21° 5' 52.734" N
P-131	84° 54' 54.544" E	21° 5' 54.500" N
P-132	84° 54' 57.151" E	21° 5' 56.257" N
P-133	84° 54' 58.682" E	21° 5' 57.651" N
P-134	84° 54' 59.771" E	21° 5' 58.641" N
P-135	84° 55' 1.390" E	21° 5' 59.527" N
P-136	84° 55' 2.511" E	21° 5' 59.882" N
P-137	84° 55' 3.869" E	21° 6' 0.098" N
P-138	84° 55' 5.997" E	21° 6' 0.206" N
P-139	84° 55' 8.069" E	21° 6' 0.245" N
P-140	84° 55' 8.656" E	21° 6' 0.311" N
P-141	84° 55' 9.319" E	21° 6' 0.720" N
P-142	84° 55' 9.854" E	21° 6' 1.181" N
P-143	84° 55' 10.016" E	21° 6' 1.591" N

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P-144	84° 55' 10.182" E	21° 6' 1.994" N
P-145	84° 55' 10.172" E	21° 6' 4.836" N
P-146	84° 55' 10.161" E	21° 6' 7.391" N
P-147	84° 55' 10.452" E	21° 6' 7.876" N
P-148	84° 55' 10.866" E	21° 6' 8.687" N
P-149	84° 55' 11.406" E	21° 6' 9.128" N
P-150	84° 55' 13.674" E	21° 6' 10.287" N
P-151	84° 55' 14.613" E	21° 6' 10.927" N
P-152	84° 55' 16.844" E	21° 6' 11.430" N
P-153	84° 55' 19.489" E	21° 6' 12.034" N
P-154	84° 55' 21.554" E	21° 6' 12.331" N
P-155	84° 55' 23.672" E	21° 6' 12.448" N
P-156	84° 55' 27.081" E	21° 6' 12.195" N
P-157	84° 55' 29.968" E	21° 6' 11.946" N
P-158	84° 55' 32.228" E	21° 6' 11.292" N
P-159	84° 55' 34.605" E	21° 6' 10.288" N
P-160	84° 55' 36.275" E	21° 6' 9.784" N
P-161	84° 55' 38.999" E	21° 6' 9.230" N
P-162	84° 55' 40.830" E	21° 6' 8.918" N
P-163	84° 55' 42.709" E	21° 6' 8.859" N
P-164	84° 55' 44.104" E	21° 6' 8.421" N
P-165	84° 55' 45.545" E	21° 6' 7.874" N
P-166	84° 55' 47.074" E	21° 6' 6.940" N
P-167	84° 55' 48.674" E	21° 6' 6.200" N

Note: The provisional cardinal points are in WGS84 coordinate system. These points are extracted through ArcGIS software after georeferencing of block boundary and ongrund DGPS survey is required to acertain the exact location of the points.