

# MAHUAMILAN COAL BLOCK SUMMARY

## PART A

Sr. No.	Features	Details
<b>1.</b>	<b>Location</b>	
	Coal Block	<b>MAHUAMILAN</b>
	Latitude	23° 40' 04"N-23° 42' 59"N (Provisional)
	Longitude	84° 47' 45"E-84° 49' 55"E (Provisional)
	Topo Sheet No.	73 A/14
	Coalfield	North Karanpura
	Villages	Mahuamilan, Deonadia, Chakla, Marmar
	Tehsil/Taluka	Chandwa
	District	Latehar
	State	Jharkhand
<b>2.</b>	<b>Connectivity with Block</b>	
	Nearest Rail Head	The nearest rail way station is Mahuamilan on Gomoh-Chopan Chord line.
	Road	The block falls on the eastern side of Mahuamilan village at around 15km from Chandwa. The block is accessible from Chandwa town which is well connected to the nearby major towns viz Chatra, Daltonganj, Lohardaga, Gumla by metalled road. Chandwa is connected with state capital Ranchi by metalled Road at a distance of about 75 km. Chandwa is also connected with district headquarters Latehar by metaled road at a distance of about 50 km.
	Airport	The nearest airport is Ranchi.
<b>3.</b>	<b>Area</b>	
	Geological Block Area	10.99 sq.km. (As per shape file. Refer note below)
	Forest Area	Approx. 80 % (As per FSI)
	Non-Forest Area	Approx. 20 %
<b>4.</b>	<b>Climate and Topography</b>	
	Average Annual Rainfall	152 cm
	Temperature (Min. — Max.)	4°C-42°C
	Local Surface Drainage Channels	The drainage occurs through Nagarnadiya river that flows through the central part of the block and turns towards eastern boundary and flows along eastern boundary towards south and joins Deonadiya river. Nagarnadiya is perennial, all the supplementary nalas are seasonal.
	Rivers	Nagarnadiya and Deonadiya rivers
<b>5.</b>	<b>Exploration</b>	
	Status	Explored in Detail
	Exploration Agency	CMPDI
	Total Number of Boreholes with meterage	117 Boreholes, 21723.35 m
	Borehole Density	10.75 Bhs/sq.km.
	General Dip of Seams	N-S
	General Strike Direction	4°-6° in northern part, 14°-16° in southern part.

	Faults	6 Faults, throw ranging between 0-200m.			
<b>6.</b>	<b>Coal Seams &amp; Reserve</b>				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (Mt)	Grade
	Seam-IX	0.36-1.34	19.95-93.92		
	Seam-VI	0.28-2.67	8.19-270.05		
	Seam-V	0.42-3.14	15.47-135.08		
	Seam-IVT	0.25-7.55	9.65-389.44	13.01	G11-G12
	Seam-III	0.27-3.54	49.68-423.30		
	Seam-II	0.30-7.27	10.13-731.34	20.44	G10-G14
	Seam-I	0.64-11.00	11.39-445.08	67.79	G10-G13
<b>Total</b>				<b>101.24</b>	
<b>7.</b>	<b>Surface Constraints</b>	Most of the block is covered with forest.			
<b>8.</b>	<b>Grade of the block</b>	G12 (Provisional) based on weighted average grade as per data available in GR.			
<b>9.</b>	<b>Decision Support System (DSS) Analysis</b>	Hydrology Info: The polygon touches Nagaroadiya Nadi, Damodar Nadi.			
<b>10.</b>	<b>Eco Sensitive Zone (ESZ) Analysis</b>	Approx. 52.30 km from boundary of Hazaribagh ESZ, 29.09 km from Lawalong ESZ and 37.32 km from Palamau TR and 71.78 km from Palkot ESZ.			

#### PART B

Sr. No.	Features	Details
<b>1</b>	<b>Tentative Peak rated Capacity</b>	3.225 Mty

**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.

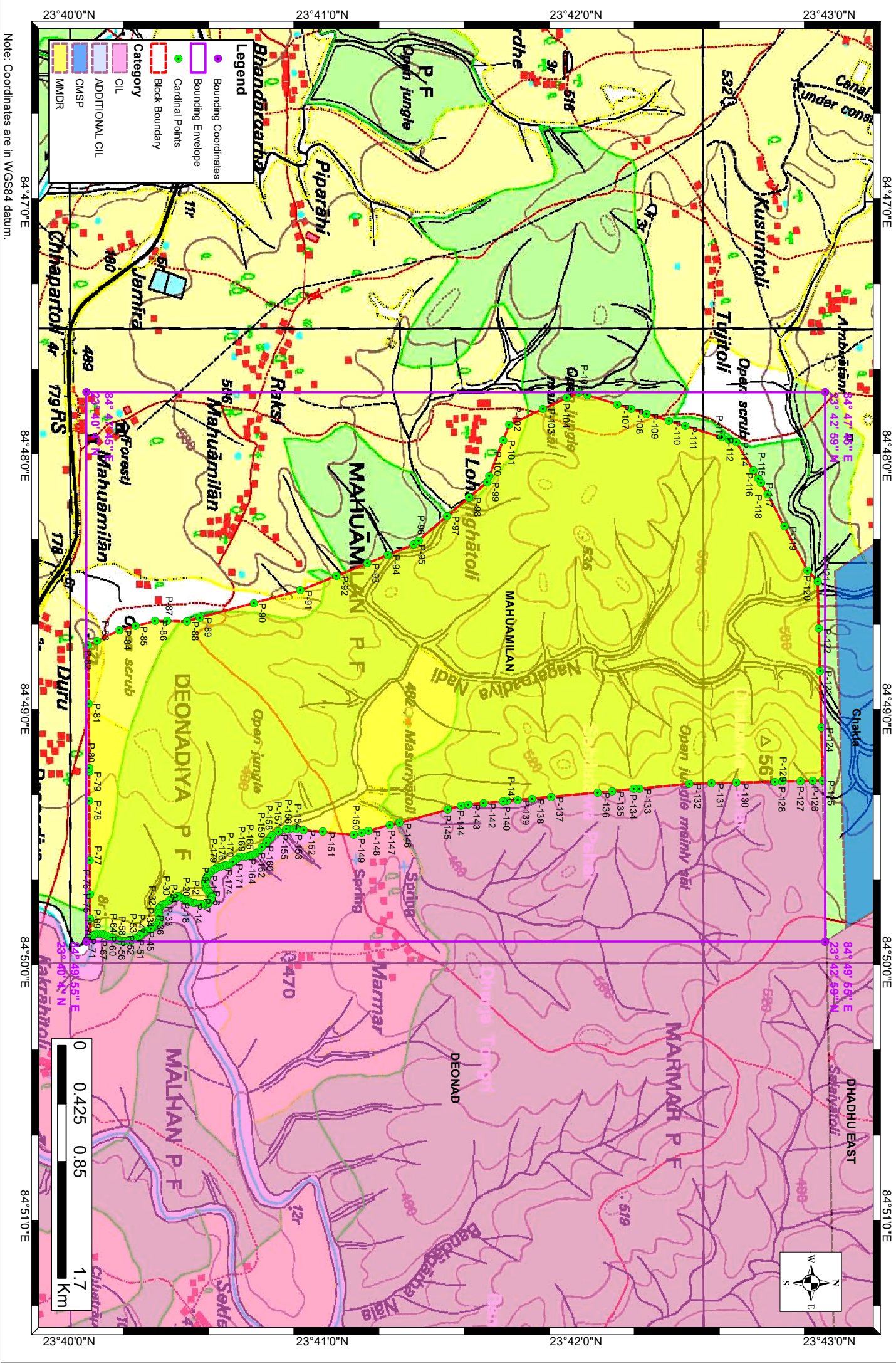
**Disclaimer:**

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.

**Mahuamilan Block, North Karanpura Coalfield**

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Note: Coordinates are in WGS84 datum.

**Provisional Cardinal Points for MAHUAMILAN Block**

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 49' 40.981" E	23° 40' 32.217" N
P-2	84° 49' 41.377" E	23° 40' 32.177" N
P-3	84° 49' 41.993" E	23° 40' 32.271" N
P-4	84° 49' 42.236" E	23° 40' 32.365" N
P-5	84° 49' 42.610" E	23° 40' 32.508" N
P-6	84° 49' 43.051" E	23° 40' 32.838" N
P-7	84° 49' 43.611" E	23° 40' 33.303" N
P-8	84° 49' 44.301" E	23° 40' 33.795" N
P-9	84° 49' 44.338" E	23° 40' 33.788" N
P-10	84° 49' 44.539" E	23° 40' 33.748" N
P-11	84° 49' 45.098" E	23° 40' 33.638" N
P-12	84° 49' 45.360" E	23° 40' 33.469" N
P-13	84° 49' 45.918" E	23° 40' 32.999" N
P-14	84° 49' 46.112" E	23° 40' 32.768" N
P-15	84° 49' 46.261" E	23° 40' 32.163" N
P-16	84° 49' 46.224" E	23° 40' 31.588" N
P-17	84° 49' 46.159" E	23° 40' 31.187" N
P-18	84° 49' 45.894" E	23° 40' 29.792" N
P-19	84° 49' 45.811" E	23° 40' 29.337" N
P-20	84° 49' 45.662" E	23° 40' 28.524" N
P-21	84° 49' 45.563" E	23° 40' 28.329" N
P-22	84° 49' 45.411" E	23° 40' 28.032" N
P-23	84° 49' 45.083" E	23° 40' 27.389" N
P-24	84° 49' 44.883" E	23° 40' 26.998" N
P-25	84° 49' 44.663" E	23° 40' 26.629" N
P-26	84° 49' 44.482" E	23° 40' 26.326" N
P-27	84° 49' 44.176" E	23° 40' 25.812" N
P-28	84° 49' 44.201" E	23° 40' 25.575" N
P-29	84° 49' 44.737" E	23° 40' 24.722" N
P-30	84° 49' 45.353" E	23° 40' 23.733" N
P-31	84° 49' 46.120" E	23° 40' 22.489" N
P-32	84° 49' 46.498" E	23° 40' 21.873" N
P-33	84° 49' 46.785" E	23° 40' 21.581" N
P-34	84° 49' 47.009" E	23° 40' 21.352" N
P-35	84° 49' 47.172" E	23° 40' 21.185" N
P-36	84° 49' 47.522" E	23° 40' 21.062" N
P-37	84° 49' 47.996" E	23° 40' 21.131" N
P-38	84° 49' 48.268" E	23° 40' 21.170" N
P-39	84° 49' 48.939" E	23° 40' 21.212" N
P-40	84° 49' 49.725" E	23° 40' 21.206" N
P-41	84° 49' 50.246" E	23° 40' 21.212" N
P-42	84° 49' 50.266" E	23° 40' 21.212" N
P-43	84° 49' 50.600" E	23° 40' 21.115" N
P-44	84° 49' 51.071" E	23° 40' 20.542" N
P-45	84° 49' 51.463" E	23° 40' 20.001" N
P-46	84° 49' 51.673" E	23° 40' 19.649" N
P-47	84° 49' 51.916" E	23° 40' 19.244" N

**Provisional Cardinal Points for MAHUAMILAN Block**

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	84° 49' 52.457" E	23° 40' 18.322" N
P-49	84° 49' 52.818" E	23° 40' 17.682" N
P-50	84° 49' 52.957" E	23° 40' 17.434" N
P-51	84° 49' 53.314" E	23° 40' 17.004" N
P-52	84° 49' 53.548" E	23° 40' 16.736" N
P-53	84° 49' 54.198" E	23° 40' 15.867" N
P-54	84° 49' 54.366" E	23° 40' 15.540" N
P-55	84° 49' 54.617" E	23° 40' 15.052" N
P-56	84° 49' 54.731" E	23° 40' 14.631" N
P-57	84° 49' 54.916" E	23° 40' 13.945" N
P-58	84° 49' 54.928" E	23° 40' 13.222" N
P-59	84° 49' 54.935" E	23° 40' 12.827" N
P-60	84° 49' 54.899" E	23° 40' 12.488" N
P-61	84° 49' 54.830" E	23° 40' 11.823" N
P-62	84° 49' 54.633" E	23° 40' 11.356" N
P-63	84° 49' 54.521" E	23° 40' 11.092" N
P-64	84° 49' 54.308" E	23° 40' 10.598" N
P-65	84° 49' 54.080" E	23° 40' 10.068" N
P-66	84° 49' 53.816" E	23° 40' 9.471" N
P-67	84° 49' 53.520" E	23° 40' 8.801" N
P-68	84° 49' 53.328" E	23° 40' 8.047" N
P-69	84° 49' 53.187" E	23° 40' 7.360" N
P-70	84° 49' 53.130" E	23° 40' 6.721" N
P-71	84° 49' 53.138" E	23° 40' 6.205" N
P-72	84° 49' 53.392" E	23° 40' 5.860" N
P-73	84° 49' 53.887" E	23° 40' 5.341" N
P-74	84° 49' 54.251" E	23° 40' 4.942" N
P-75	84° 49' 49.490" E	23° 40' 4.909" N
P-76	84° 49' 43.813" E	23° 40' 4.870" N
P-77	84° 49' 35.826" E	23° 40' 4.814" N
P-78	84° 49' 21.631" E	23° 40' 4.715" N
P-79	84° 49' 14.760" E	23° 40' 4.667" N
P-80	84° 49' 13.941" E	23° 40' 4.662" N
P-81	84° 48' 58.635" E	23° 40' 4.554" N
P-82	84° 48' 44.816" E	23° 40' 4.457" N
P-83	84° 48' 43.798" E	23° 40' 6.596" N
P-84	84° 48' 41.312" E	23° 40' 11.823" N
P-85	84° 48' 40.319" E	23° 40' 15.678" N
P-86	84° 48' 39.128" E	23° 40' 20.300" N
P-87	84° 48' 39.145" E	23° 40' 23.138" N
P-88	84° 48' 39.172" E	23° 40' 27.832" N
P-89	84° 48' 38.343" E	23° 40' 30.887" N
P-90	84° 48' 34.857" E	23° 40' 43.726" N
P-91	84° 48' 31.885" E	23° 40' 54.675" N
P-92	84° 48' 28.414" E	23° 41' 3.272" N
P-93	84° 48' 25.455" E	23° 41' 10.598" N
P-94	84° 48' 23.506" E	23° 41' 15.424" N

**Provisional Cardinal Points for MAHUAMILAN Block**

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	84° 48' 21.045" E	23° 41' 21.519" N
P-96	84° 48' 20.022" E	23° 41' 22.725" N
P-97	84° 48' 14.279" E	23° 41' 29.489" N
P-98	84° 48' 9.865" E	23° 41' 34.689" N
P-99	84° 48' 6.245" E	23° 41' 38.952" N
P-100	84° 48' 4.889" E	23° 41' 39.470" N
P-101	84° 47' 56.347" E	23° 41' 42.733" N
P-102	84° 47' 52.677" E	23° 41' 44.135" N
P-103	84° 47' 48.973" E	23° 41' 52.146" N
P-104	84° 47' 46.354" E	23° 41' 57.809" N
P-105	84° 47' 45.020" E	23° 42' 0.693" N
P-106	84° 47' 45.657" E	23° 42' 2.707" N
P-107	84° 47' 47.885" E	23° 42' 9.763" N
P-108	84° 47' 48.931" E	23° 42' 13.074" N
P-109	84° 47' 50.067" E	23° 42' 16.668" N
P-110	84° 47' 51.749" E	23° 42' 21.995" N
P-111	84° 47' 52.966" E	23° 42' 25.846" N
P-112	84° 47' 55.682" E	23° 42' 34.442" N
P-113	84° 47' 56.214" E	23° 42' 36.127" N
P-114	84° 47' 56.794" E	23° 42' 37.962" N
P-115	84° 48' 3.461" E	23° 42' 41.968" N
P-116	84° 48' 5.444" E	23° 42' 43.160" N
P-117	84° 48' 6.503" E	23° 42' 43.796" N
P-118	84° 48' 9.164" E	23° 42' 45.363" N
P-119	84° 48' 16.766" E	23° 42' 49.358" N
P-120	84° 48' 27.169" E	23° 42' 54.824" N
P-121	84° 48' 29.796" E	23° 42' 57.246" N
P-122	84° 48' 40.915" E	23° 42' 57.508" N
P-123	84° 48' 50.966" E	23° 42' 57.768" N
P-124	84° 49' 4.358" E	23° 42' 58.097" N
P-125	84° 49' 16.905" E	23° 42' 58.385" N
P-126	84° 49' 16.967" E	23° 42' 56.064" N
P-127	84° 49' 17.037" E	23° 42' 53.177" N
P-128	84° 49' 17.142" E	23° 42' 48.857" N
P-129	84° 49' 17.185" E	23° 42' 47.117" N
P-130	84° 49' 17.407" E	23° 42' 37.996" N
P-131	84° 49' 17.551" E	23° 42' 32.081" N
P-132	84° 49' 17.679" E	23° 42' 26.807" N
P-133	84° 49' 18.788" E	23° 42' 14.980" N
P-134	84° 49' 18.914" E	23° 42' 13.636" N
P-135	84° 49' 19.393" E	23° 42' 8.522" N
P-136	84° 49' 19.713" E	23° 42' 5.106" N
P-137	84° 49' 20.741" E	23° 41' 54.135" N
P-138	84° 49' 21.165" E	23° 41' 49.607" N
P-139	84° 49' 21.488" E	23° 41' 46.153" N
P-140	84° 49' 21.720" E	23° 41' 43.676" N
P-141	84° 49' 21.814" E	23° 41' 42.674" N

**Provisional Cardinal Points for MAHUAMILAN Block**

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-142	84° 49' 22.240" E	23° 41' 38.133" N
P-143	84° 49' 22.579" E	23° 41' 34.515" N
P-144	84° 49' 22.863" E	23° 41' 32.750" N
P-145	84° 49' 23.793" E	23° 41' 29.618" N
P-146	84° 49' 26.910" E	23° 41' 18.163" N
P-147	84° 49' 27.397" E	23° 41' 15.867" N
P-148	84° 49' 28.856" E	23° 41' 10.869" N
P-149	84° 49' 29.288" E	23° 41' 9.239" N
P-150	84° 49' 29.779" E	23° 41' 7.391" N
P-151	84° 49' 29.054" E	23° 41' 0.027" N
P-152	84° 49' 28.607" E	23° 40' 55.490" N
P-153	84° 49' 28.436" E	23° 40' 53.748" N
P-154	84° 49' 28.282" E	23° 40' 52.185" N
P-155	84° 49' 28.421" E	23° 40' 51.649" N
P-156	84° 49' 28.419" E	23° 40' 51.345" N
P-157	84° 49' 28.986" E	23° 40' 49.530" N
P-158	84° 49' 29.847" E	23° 40' 48.035" N
P-159	84° 49' 30.369" E	23° 40' 47.657" N
P-160	84° 49' 31.148" E	23° 40' 46.961" N
P-161	84° 49' 31.559" E	23° 40' 46.594" N
P-162	84° 49' 32.726" E	23° 40' 45.622" N
P-163	84° 49' 33.749" E	23° 40' 44.734" N
P-164	84° 49' 34.157" E	23° 40' 44.037" N
P-165	84° 49' 34.376" E	23° 40' 43.541" N
P-166	84° 49' 34.589" E	23° 40' 42.918" N
P-167	84° 49' 34.770" E	23° 40' 42.389" N
P-168	84° 49' 34.895" E	23° 40' 41.753" N
P-169	84° 49' 34.906" E	23° 40' 40.938" N
P-170	84° 49' 34.960" E	23° 40' 40.277" N
P-171	84° 49' 35.379" E	23° 40' 39.716" N
P-172	84° 49' 35.653" E	23° 40' 39.349" N
P-173	84° 49' 36.128" E	23° 40' 38.819" N
P-174	84° 49' 36.749" E	23° 40' 37.887" N
P-175	84° 49' 36.882" E	23° 40' 37.386" N
P-176	84° 49' 37.048" E	23° 40' 36.869" N
P-177	84° 49' 37.170" E	23° 40' 36.419" N
P-178	84° 49' 37.401" E	23° 40' 35.567" N
P-179	84° 49' 37.645" E	23° 40' 34.920" N
P-180	84° 49' 37.848" E	23° 40' 34.512" N
P-181	84° 49' 38.039" E	23° 40' 34.209" N
P-182	84° 49' 38.494" E	23° 40' 33.485" N
P-183	84° 49' 38.934" E	23° 40' 33.171" N
P-184	84° 49' 39.177" E	23° 40' 33.004" N
P-185	84° 49' 39.669" E	23° 40' 32.666" N
P-186	84° 49' 39.960" E	23° 40' 32.475" N
P-187	84° 49' 40.620" E	23° 40' 32.254" N