

**Tentuloi Block Summary
PART A**

Sr. No.	Features	Details
1.	Location	
	Coal Block	Tentuloi
	Latitude	20° 59' 30" N-21° 2' 0" N (Provisional)
	Longitude	84° 53' 10" E-84° 54' 45" E (Provisional)
	Topo Sheet No.	73 C/16
	Coalfield	Talcher
	Villages	Tentuloi village, which is located about 1.5 Km Northeast of the block. Three villages namely Kuskila to the southwest, Kukurpeta to the north and Chakundapal to the south central part fall within the block.
	Tehsil/Taluka	Chhendipada, Jarapada
	District	Angul
	State	Odisha
2.	Connectivity with Block	
	Nearest Rail Head	Angul
	Road	<p>The Tentuloi block is accessible from district headquarter Angul by road via Kosala village. The distance by road from Angul to Tentuloi Block via Kosala village is 45km, and is connected by an all-weather metal road .Nearest railway station is Angul on Cuttack - Sambalpur section of the East Coast Railway.</p> <p>The state capital Bhubaneswar is about 160 km from the block and connected through the State Highway 63 upto Angul, then by National Highway 42 upto Manguli chhuck and thereafter through National Highway 5 via Cuttack. The nearest port Paradip at Bay of Bengal, is situated at a distance of 220 kms. from block. The Biju Pattanaik International Airport, located at the southern end of the state capital Bhubaneswar, is nearest airport at a distance of about 170 km</p>
	Airport	Bhubaneswar
3.	Area	
	Geological Block Area	9.00 sq km (As per shape file. Refer note below)
	Forest Area	1.72 sq km
	Non-Forest Area	7.28 sq km
4.	Climate and Topography	
	Average Annual Rainfall	Min-650mm Max-1400mm

	Temperature (Min. — Max.)	Min-6.0°C Max-47°C			
	Local Surface Drainage Channels	Singhara Jhor, a tributary of Brahmani river flows along the southern margin of the block and Kudaposinala flows along the northwestern part of the block. Kukurpeta Dam is an important artificial water body situated in the northeast beyond the block boundary.			
	Rivers	Singhara Jhor, a tributary of Brahmani river			
5.	Exploration				
	Status	Explored			
	Exploration Agency	CMPDI			
	Total Number of Boreholes with meterage	50 boreholes & 34361.75 m			
	Borehole Density	5.6 boreholes per sq km			
	General Dip of Seams	Amount of dip varies from 3 ⁰ to 5 ⁰ Northerly.			
	General Strike Direction	E-W with a swing towards NW-SE in the north of the block			
	Faults	Total two (2) nos. of faults F1 - F1 and F2 - F2 have been identified in and around the block. All these faults have been interpreted on the basis of the data generated during this phase of investigation. Fault F1 – F1 is having downthrown towards south whereas fault F2 – F2 has throw towards north.			
6.	Coal Seams & Reserve				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Resources (MT)	Grade
	XI TOP 2	0.94-5.64	124.33-402.67	7.5741	G15
	XI TOP 1	1.06-3.18	127.32-407.75	6.7923	G14
	XI TOP COMB	5.09-9.12	123.83-403.2	41.2087	G12-G17
	XI BOT	1.94-5.52	130.18-416.02	32.2539	G12-G17
	XI (XITOP COMB+XI	6.95-13.83	130.4-297.94	63.9291	G14-G16
	X TOP	0.77-1.94	422.6-438.48	1.5683	G13-G17
	X BOT	2.9-3.89	425.01-444.73	5.7724	G14-G15
	X (TOP+BOT COMB)	2.84-7.76	149.16-434.27	76.8870	G13-G17
	IX	23.92-34.3	199.8-474.05	249.6321	G11-G15
	VIII TOP	4.94-9.7	225.94-488.1	100.7192	G11-G14
	VIII BOT	3.43-21.08	234.22-511.27	106.8989	G11-G15
	VII B	0.59-15.1	250.62-527.94	78.3501	G11-G16
	VIII BOT + VII B COMB	21.04-29.61	333.81-495.54	42.8945	G14-G15
	VII A	0.76-8.83	259.12-535	37.3775	G11-G17
	VII B +VII A COMB	4.38-9.47	291.76-524.09	10.5390	G12-G15
	VI B	0.15-3.02	273.33-545.33	14.0511	G11-G17
	V TOP	0.23-6.53	276.74-515.15	11.3632	G13-G17
	V BOT	0.17-4.14	279.11-518.08	9.4205	G11-G17
	V TOP + V BOT COMB	1.28-8.32	313.38-569.36	15.1489	G14-G17
	IV TOP	0.57-9.17	285.28-567.04	40.6430	G14-G17
	IV BOT	0.16-7.62	301.46-573.11	13.5389	G14-G17
	IV TOP +IV BOT COMB	8.91-15.38	529.84-622.78	33.0587	G14-G17

	LOCAL L3	0.92-5.47	307.83-630.65	46.0213	G11-G14
	III TOP (T)	0.16-10.03	316.93-534.37	36.3108	G13-G15
	III TOP (B)	0.18-6.08	324.97-543.31	4.1763	G13-G16
	III TOP	7.55-16.23	319.53-541.08	18.1255	G13-G14
	III MIDDLE	0.92-9.01	334.75-553.06	42.3722	G11-G16
	III TOP + III MIDDLE	23.85-29.37	549.02-662.71	90.9849	G11-G13
	III BOT	11.77-23.92	342.08-684.92	181.7907	G9-G16
	II C	0.87-1.82	375.63-472.17	1.6501	G7-G15
	II B	4.69-11.27	379.95-698.39	110.1594	G11-G15
	II A	2.59-15.27	389.5-717.3	106.2778	G11-G14
	L2	0.3-3.3	401.77-674.29	5.0465	G10-G16
	L1	10-2.13	404.21-635.72	9.1653	G10-G15
	L2 + L1	4.35-5.07	447.8-535.41	8.2003	G15
	I A	0.13-1.69	527.14-722.31	7.5741	G8-G12
	I B	0.23-2.86	449.34-755.68	6.7923	G7-G11
	I C	0.1-1.92	503.51-771.36	41.2087	G7-G11
	I D	0.27-3.32	464.6-775.34	32.2539	G5-G9
	I E	0.26-3.61	608.89-783.86	63.9291	G3-G6
	I F	0.22-1.76	503.73-793.66	1.5683	G3-G8
	I G	0.06-2.63	507.09-770.26	5.7724	G3-G9
	I H	0.15-3.09	511.8-806.63	76.8870	G9-G11
	I I	0.19-3.01	527.36-816.56	249.6321	G5-G10
	I J	0.15-1.58	540.85-834.45	100.7192	G6-G12
	Total			1730.2152	
7.	Surface Constraints	Forest area in South Western part of the block.			
8.	Grade of coal	G13 (Provisional), Based on seam-wise grade-wise data available in GR.			
9.	Decision Support System (DSS) Analysis	Wildlife info: Sloth Bear, Dhole			
10.	Eco Sensitive Zone (ESZ)	The ESZ of Mahanadi_Elephant region is approx. 7 km away from easter block boundary. Also, tiger corridor between TRPA of Simlipal-Satkosia is 18 km away in the northern direction & 6.5 km in the S-W direction from the block.			

Note: 1. The summary has been compiled from “Geological Report on Tentuloi Block, Talcher Coalfield District-Angul, Odisha. March-2016. By Tata Consulting Engineers Limited.

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.

21°0'0"N

21°1'0"N

21°2'0"N

84°52'0"E

84°53'0"E

84°54'0"E

84°55'0"E

84°56'0"E

Tentuloi Block, Talcher Coalfield

FOR INTERNAL/RESTRICTED USE ONLY

Legend

- Bounding Points
- Tentuloi_RBE
- Cardinal Points
- Block Boundary

OCBIS_BLOCKS Category

- CIL
- ADDITIONAL CIL
- CMSP
- MMDR
- SCCL

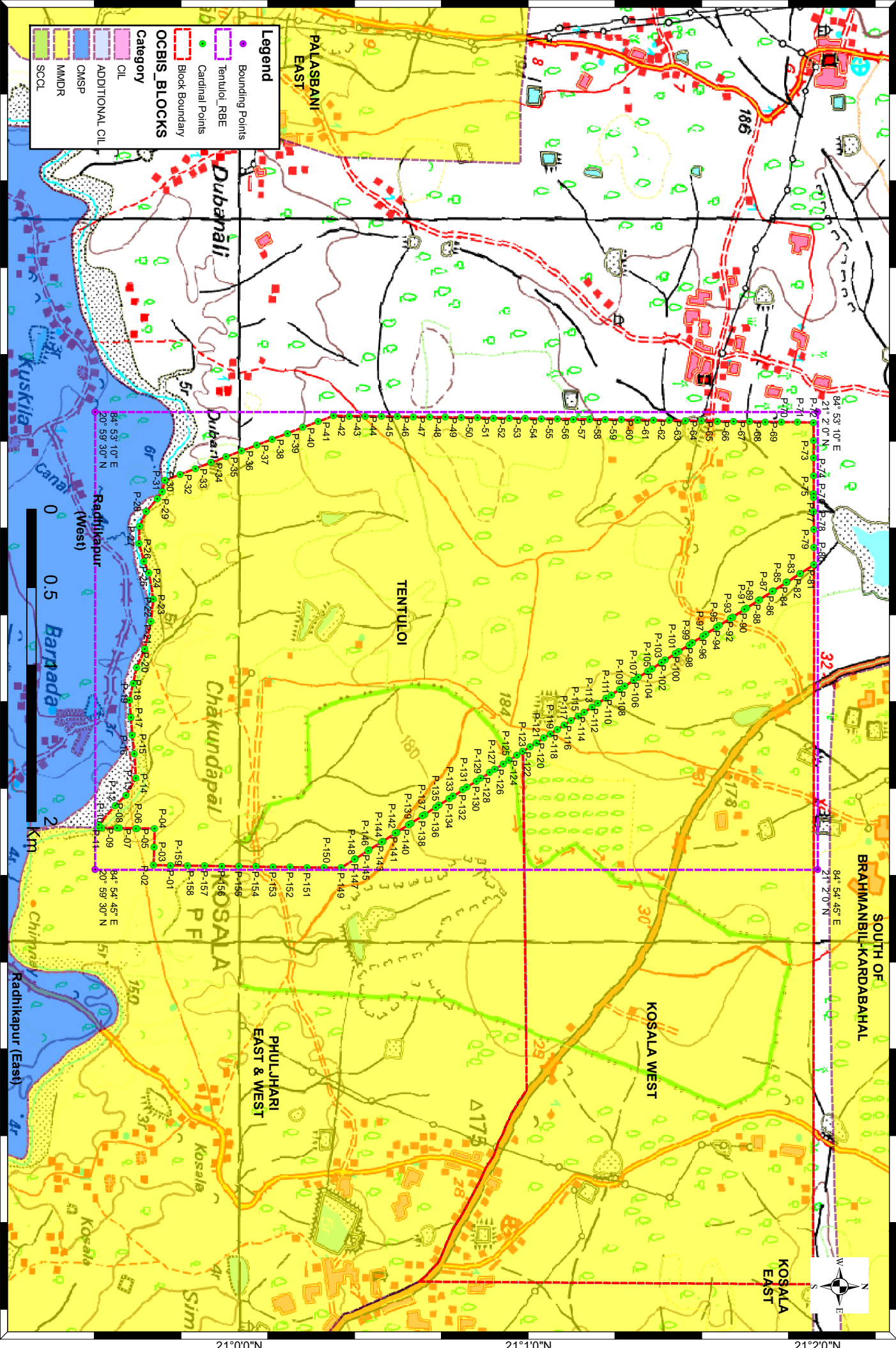
84°52'0"E

84°53'0"E

84°54'0"E

84°55'0"E

84°56'0"E



21°0'0"N

21°1'0"N

21°2'0"N

Provisional Cardinal Points for TENTULOI Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 54' 44.105" E	20° 59' 45.697" N
P-2	84° 54' 44.053" E	20° 59' 42.156" N
P-3	84° 54' 40.261" E	20° 59' 42.268" N
P-4	84° 54' 36.470" E	20° 59' 42.380" N
P-5	84° 54' 36.415" E	20° 59' 38.721" N
P-6	84° 54' 36.411" E	20° 59' 38.470" N
P-7	84° 54' 36.360" E	20° 59' 35.062" N
P-8	84° 54' 36.352" E	20° 59' 34.560" N
P-9	84° 54' 36.305" E	20° 59' 31.404" N
P-10	84° 54' 36.293" E	20° 59' 30.650" N
P-11	84° 54' 35.675" E	20° 59' 30.809" N
P-12	84° 54' 31.679" E	20° 59' 34.201" N
P-13	84° 54' 29.560" E	20° 59' 36.415" N
P-14	84° 54' 26.052" E	20° 59' 38.486" N
P-15	84° 54' 20.969" E	20° 59' 38.203" N
P-16	84° 54' 17.101" E	20° 59' 37.726" N
P-17	84° 54' 13.435" E	20° 59' 37.434" N
P-18	84° 54' 9.768" E	20° 59' 37.143" N
P-19	84° 54' 6.375" E	20° 59' 37.913" N
P-20	84° 54' 2.982" E	20° 59' 38.682" N
P-21	84° 53' 59.262" E	20° 59' 40.328" N
P-22	84° 53' 53.540" E	20° 59' 41.611" N
P-23	84° 53' 48.899" E	20° 59' 42.062" N
P-24	84° 53' 43.441" E	20° 59' 41.191" N
P-25	84° 53' 41.082" E	20° 59' 40.152" N
P-26	84° 53' 37.333" E	20° 59' 39.171" N
P-27	84° 53' 33.753" E	20° 59' 39.292" N
P-28	84° 53' 30.764" E	20° 59' 40.593" N
P-29	84° 53' 28.022" E	20° 59' 42.924" N
P-30	84° 53' 26.624" E	20° 59' 43.941" N
P-31	84° 53' 24.173" E	20° 59' 44.507" N
P-32	84° 53' 22.957" E	20° 59' 47.685" N
P-33	84° 53' 21.741" E	20° 59' 50.863" N
P-34	84° 53' 20.525" E	20° 59' 54.041" N
P-35	84° 53' 19.309" E	20° 59' 57.220" N
P-36	84° 53' 18.093" E	21° 0' 0.398" N
P-37	84° 53' 16.877" E	21° 0' 3.576" N
P-38	84° 53' 15.661" E	21° 0' 6.754" N
P-39	84° 53' 14.444" E	21° 0' 9.932" N
P-40	84° 53' 13.228" E	21° 0' 13.110" N
P-41	84° 53' 12.012" E	21° 0' 16.288" N
P-42	84° 53' 10.796" E	21° 0' 19.466" N
P-43	84° 53' 10.843" E	21° 0' 22.789" N
P-44	84° 53' 10.890" E	21° 0' 26.111" N
P-45	84° 53' 10.937" E	21° 0' 29.433" N
P-46	84° 53' 10.984" E	21° 0' 32.756" N
P-47	84° 53' 11.031" E	21° 0' 36.078" N

Provisional Cardinal Points for TENTULOI Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	84° 53' 11.078" E	21° 0' 39.400" N
P-49	84° 53' 11.125" E	21° 0' 42.723" N
P-50	84° 53' 11.172" E	21° 0' 46.045" N
P-51	84° 53' 11.219" E	21° 0' 49.368" N
P-52	84° 53' 11.266" E	21° 0' 52.690" N
P-53	84° 53' 11.313" E	21° 0' 56.012" N
P-54	84° 53' 11.360" E	21° 0' 59.335" N
P-55	84° 53' 11.407" E	21° 1' 2.657" N
P-56	84° 53' 11.454" E	21° 1' 5.980" N
P-57	84° 53' 11.501" E	21° 1' 9.302" N
P-58	84° 53' 11.548" E	21° 1' 12.624" N
P-59	84° 53' 11.595" E	21° 1' 15.947" N
P-60	84° 53' 11.642" E	21° 1' 19.269" N
P-61	84° 53' 11.689" E	21° 1' 22.592" N
P-62	84° 53' 11.736" E	21° 1' 25.914" N
P-63	84° 53' 11.783" E	21° 1' 29.236" N
P-64	84° 53' 11.830" E	21° 1' 32.559" N
P-65	84° 53' 11.877" E	21° 1' 35.881" N
P-66	84° 53' 11.924" E	21° 1' 39.204" N
P-67	84° 53' 11.971" E	21° 1' 42.526" N
P-68	84° 53' 12.018" E	21° 1' 45.848" N
P-69	84° 53' 12.065" E	21° 1' 49.171" N
P-70	84° 53' 12.112" E	21° 1' 52.493" N
P-71	84° 53' 12.159" E	21° 1' 55.816" N
P-72	84° 53' 12.206" E	21° 1' 59.138" N
P-73	84° 53' 15.897" E	21° 1' 59.150" N
P-74	84° 53' 19.589" E	21° 1' 59.161" N
P-75	84° 53' 23.280" E	21° 1' 59.173" N
P-76	84° 53' 26.972" E	21° 1' 59.184" N
P-77	84° 53' 27.763" E	21° 1' 59.186" N
P-78	84° 53' 30.664" E	21° 1' 59.195" N
P-79	84° 53' 34.355" E	21° 1' 59.207" N
P-80	84° 53' 38.047" E	21° 1' 59.218" N
P-81	84° 53' 41.739" E	21° 1' 59.230" N
P-82	84° 53' 43.536" E	21° 1' 56.426" N
P-83	84° 53' 43.584" E	21° 1' 56.351" N
P-84	84° 53' 45.333" E	21° 1' 53.622" N
P-85	84° 53' 45.429" E	21° 1' 53.473" N
P-86	84° 53' 47.130" E	21° 1' 50.819" N
P-87	84° 53' 47.274" E	21° 1' 50.594" N
P-88	84° 53' 48.927" E	21° 1' 48.015" N
P-89	84° 53' 49.119" E	21° 1' 47.716" N
P-90	84° 53' 50.724" E	21° 1' 45.212" N
P-91	84° 53' 50.964" E	21° 1' 44.837" N
P-92	84° 53' 52.521" E	21° 1' 42.408" N
P-93	84° 53' 52.809" E	21° 1' 41.959" N
P-94	84° 53' 54.317" E	21° 1' 39.604" N

Provisional Cardinal Points for TENTULOI Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	84° 53' 54.653" E	21° 1' 39.080" N
P-96	84° 53' 56.114" E	21° 1' 36.801" N
P-97	84° 53' 56.498" E	21° 1' 36.202" N
P-98	84° 53' 57.911" E	21° 1' 33.997" N
P-99	84° 53' 58.343" E	21° 1' 33.323" N
P-100	84° 53' 59.708" E	21° 1' 31.194" N
P-101	84° 54' 0.188" E	21° 1' 30.445" N
P-102	84° 54' 1.505" E	21° 1' 28.390" N
P-103	84° 54' 2.033" E	21° 1' 27.566" N
P-104	84° 54' 3.302" E	21° 1' 25.586" N
P-105	84° 54' 3.878" E	21° 1' 24.688" N
P-106	84° 54' 5.098" E	21° 1' 22.783" N
P-107	84° 54' 5.722" E	21° 1' 21.809" N
P-108	84° 54' 6.895" E	21° 1' 19.979" N
P-109	84° 54' 7.567" E	21° 1' 18.931" N
P-110	84° 54' 8.692" E	21° 1' 17.176" N
P-111	84° 54' 9.412" E	21° 1' 16.052" N
P-112	84° 54' 10.489" E	21° 1' 14.372" N
P-113	84° 54' 11.257" E	21° 1' 13.174" N
P-114	84° 54' 12.285" E	21° 1' 11.568" N
P-115	84° 54' 13.101" E	21° 1' 10.295" N
P-116	84° 54' 14.082" E	21° 1' 8.765" N
P-117	84° 54' 14.946" E	21° 1' 7.416" N
P-118	84° 54' 15.879" E	21° 1' 5.961" N
P-119	84° 54' 16.791" E	21° 1' 4.538" N
P-120	84° 54' 17.675" E	21° 1' 3.157" N
P-121	84° 54' 18.635" E	21° 1' 1.659" N
P-122	84° 54' 19.472" E	21° 1' 0.354" N
P-123	84° 54' 20.480" E	21° 0' 58.781" N
P-124	84° 54' 21.268" E	21° 0' 57.550" N
P-125	84° 54' 22.337" E	21° 0' 55.882" N
P-126	84° 54' 23.065" E	21° 0' 54.746" N
P-127	84° 54' 24.194" E	21° 0' 52.984" N
P-128	84° 54' 24.862" E	21° 0' 51.943" N
P-129	84° 54' 26.051" E	21° 0' 50.086" N
P-130	84° 54' 26.658" E	21° 0' 49.139" N
P-131	84° 54' 27.909" E	21° 0' 47.187" N
P-132	84° 54' 28.455" E	21° 0' 46.335" N
P-133	84° 54' 29.766" E	21° 0' 44.289" N
P-134	84° 54' 30.251" E	21° 0' 43.532" N
P-135	84° 54' 31.623" E	21° 0' 41.391" N
P-136	84° 54' 32.048" E	21° 0' 40.728" N
P-137	84° 54' 33.480" E	21° 0' 38.492" N
P-138	84° 54' 33.844" E	21° 0' 37.924" N
P-139	84° 54' 35.337" E	21° 0' 35.594" N
P-140	84° 54' 35.640" E	21° 0' 35.121" N
P-141	84° 54' 37.194" E	21° 0' 32.696" N

Provisional Cardinal Points for TENTULOI Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-142	84° 54' 37.437" E	21° 0' 32.317" N
P-143	84° 54' 39.051" E	21° 0' 29.797" N
P-144	84° 54' 39.233" E	21° 0' 29.513" N
P-145	84° 54' 40.908" E	21° 0' 26.899" N
P-146	84° 54' 41.030" E	21° 0' 26.709" N
P-147	84° 54' 42.765" E	21° 0' 24.000" N
P-148	84° 54' 42.826" E	21° 0' 23.906" N
P-149	84° 54' 44.622" E	21° 0' 21.102" N
P-150	84° 54' 44.571" E	21° 0' 17.562" N
P-151	84° 54' 44.519" E	21° 0' 14.021" N
P-152	84° 54' 44.467" E	21° 0' 10.480" N
P-153	84° 54' 44.415" E	21° 0' 6.940" N
P-154	84° 54' 44.363" E	21° 0' 3.399" N
P-155	84° 54' 44.312" E	20° 59' 59.859" N
P-156	84° 54' 44.260" E	20° 59' 56.318" N
P-157	84° 54' 44.208" E	20° 59' 52.778" N
P-158	84° 54' 44.156" E	20° 59' 49.237" N