

**ALAKNANDA BLOCK SUMMARY
PART A**

Sr. No.	Features	Details
1.	Location	
	Coal Block	ALAKNANDA
	Latitude	21° 5' 52" N-21° 8' 19" N (Provisional)
	Longitude	84° 54' 47" E-84° 56' 52" E (Provisional)
	Topo Sheet No.	F45S9
	Coalfield	Talcher
	Villages	Alaknanda, Kankarapal, Badaberena
	Tehsil/Taluka	Chhendipada
	District	Angul
	State	Odisha
2.	Connectivity with Block	
	Nearest Rail Head	-
	Road	SH-63 at about 4 km on the west.
	Airport	-
3.	Area	
	Geological Block Area	11.02 sq. km. (As per shape file , Refer note below)
	Forest Area	Approx. 32% (As per FSI Map)
	Non-Forest Area	
4.	Climate and Topography	
	Average Annual Rainfall	-
	Temperature (Min. — Max.)	-
	Local Surface Drainage Channels	Brahmani river flows in the north of the block.
	Rivers	-
5.	Exploration	
	Status	Partly Explored
	Exploration Agency	CMPDI, GSI
	Total Number of Boreholes with meterage	CMPDIL: 6 Boreholes; 1714.00 m (1997) GSI: 2 Boreholes; 1062.60 m (TCW-20 & 27) Total: 8 Boreholes; 2776.60 m
	Borehole Density	Approx. 0.7 boreholes per sq km

	General Dip of Seams	About 6°-8° towards North			
	General Strike Direction	East-West			
	Faults	-			
6.	Coal Seams & Reserve				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Resources (mt) (Inferred)	Grade
	IV	0.15-3.67	15.61-38.54		
	III Top Top	1.73-7.80	19.65-54.05		
	III Top Mid	0.97	58.85-59.82		
	III Top Bot	0.46	66.00-66.46		
	III Mid Top	0.59-4.96	73.69-108.15		
	III Mid Bot	0.93-3.55	84.81-116.88		
	Local-1	0.13-0.66	91.08-121.53		
	III Bot	11.76-15.60	101.40-144.58		
	Local-2	1.13-3.10	131.41-160.85		
	II Top	1.29-4.64	169.52-202.55		
	II Mid Top	0.17-2.82	182.03-210.71		
	II Mid Bot	0.20-1.71	186.81-216.84		
	II Bot	6.15-8.12	192.11-235.28		
	IA Top	13.68-16.92	209.17-260.34		
	IA Bot	1.81-3.63	236.90-278.35		
	IB	1.30-8.26	246.78-287.00		
	IC	1.30-2.52	265.60-290.25		
	ID	1	300.00-301.00		
	Total			500.00	
7.	Surface Constraints	-			
8.	Grade of coal	G10 (Provisional), Based on seam overall data of 4 Boreholes (CMBT-207, 235,236 & 237) falling in the block.			
9.	Decision Support System (DSS) Analysis	Wildlife info: The polygon touches Wildlife Habitat(s)- Sloth Bear & Dhole			
10.	Eco Sensitive Zone (ESZ)	Northern boundary of the block is approx. 5 km from the boundary of the the tiger corridor connecting Simlipal and Satkosia to the north. SW boundary of the block is approx. 14 km from the boundary of the tiger corridor connecting Simlipal and Satkosia to the west. Approx. 15.5 km from the boundary of the ESZ of Mahanadi Elephant Region and approx. 19 km from the boundary of ESZ of Sambalpur Elephant Region to the west.			

Note:

1. The summary has been compiled from “Basic Exploration data of Alaknanda Block, Talcher Coalfield, District-Angul, Odisha. January-2006 by CMPDIL”.
2. Seam sequence, thickness ranges and depth ranges are based on data given in 6 boreholes.

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°6'0"N

21°7'0"N

21°8'0"N

84°54'0"E

84°55'0"E

84°56'0"E

84°57'0"E

84°58'0"E

84°54'0"E

84°55'0"E

84°56'0"E

84°57'0"E

84°58'0"E

Legend

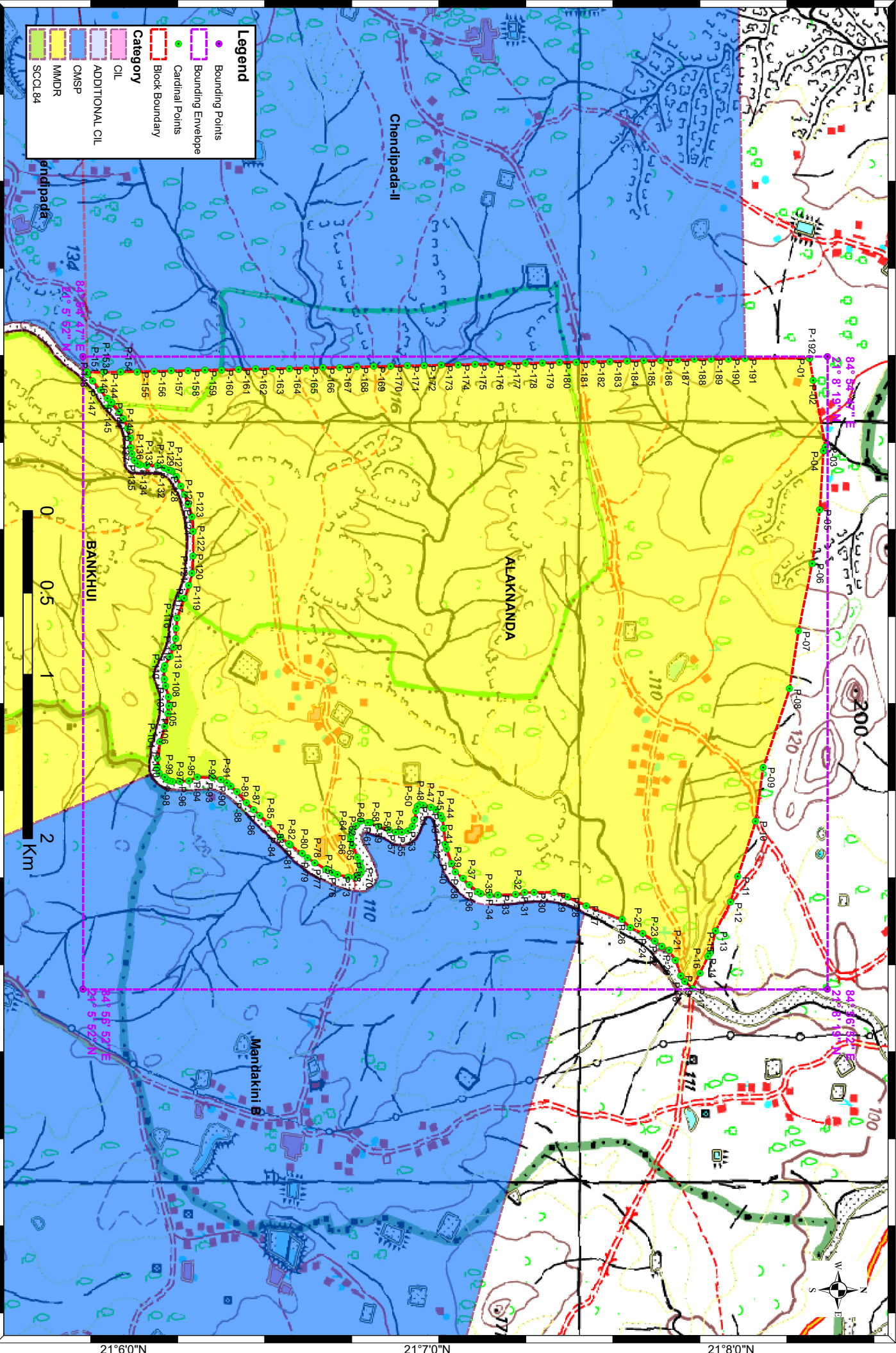
- Bounding Points
- Bounding Envelope
- Cardinal Points
- Block Boundary

Category

- CIL
- ADDITIONAL CIL
- CMSP
- MMDR
- SCCL 84

Alaknanda Block, Talcher Coalfield

FOR INTERNAL/RESTRICTED USE ONLY



Provisional Cardinal Points for ALAKNANDA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 54' 47.386" E	21° 8' 15.465" N
P-2	84° 54' 51.710" E	21° 8' 16.193" N
P-3	84° 55' 4.852" E	21° 8' 18.641" N
P-4	84° 55' 5.661" E	21° 8' 18.205" N
P-5	84° 55' 17.305" E	21° 8' 17.491" N
P-6	84° 55' 27.878" E	21° 8' 15.994" N
P-7	84° 55' 41.252" E	21° 8' 13.282" N
P-8	84° 55' 52.622" E	21° 8' 11.531" N
P-9	84° 56' 8.166" E	21° 8' 6.300" N
P-10	84° 56' 18.739" E	21° 8' 4.817" N
P-11	84° 56' 29.696" E	21° 8' 1.316" N
P-12	84° 56' 34.749" E	21° 7' 59.860" N
P-13	84° 56' 40.461" E	21° 7' 56.908" N
P-14	84° 56' 44.883" E	21° 7' 55.830" N
P-15	84° 56' 45.519" E	21° 7' 55.423" N
P-16	84° 56' 48.740" E	21° 7' 53.847" N
P-17	84° 56' 51.756" E	21° 7' 52.374" N
P-18	84° 56' 50.419" E	21° 7' 50.832" N
P-19	84° 56' 49.254" E	21° 7' 50.044" N
P-20	84° 56' 46.239" E	21° 7' 48.981" N
P-21	84° 56' 44.286" E	21° 7' 47.748" N
P-22	84° 56' 43.429" E	21° 7' 46.309" N
P-23	84° 56' 42.504" E	21° 7' 44.938" N
P-24	84° 56' 40.962" E	21° 7' 42.505" N
P-25	84° 56' 39.763" E	21° 7' 40.038" N
P-26	84° 56' 38.192" E	21° 7' 38.452" N
P-27	84° 56' 35.482" E	21° 7' 31.414" N
P-28	84° 56' 33.772" E	21° 7' 27.709" N
P-29	84° 56' 32.814" E	21° 7' 25.005" N
P-30	84° 56' 32.856" E	21° 7' 21.085" N
P-31	84° 56' 32.843" E	21° 7' 19.227" N
P-32	84° 56' 33.271" E	21° 7' 17.401" N
P-33	84° 56' 33.325" E	21° 7' 13.919" N
P-34	84° 56' 33.341" E	21° 7' 12.293" N
P-35	84° 56' 33.076" E	21° 7' 10.549" N
P-36	84° 56' 32.696" E	21° 7' 9.944" N
P-37	84° 56' 31.313" E	21° 7' 8.247" N
P-38	84° 56' 30.126" E	21° 7' 7.034" N
P-39	84° 56' 28.756" E	21° 7' 5.506" N
P-40	84° 56' 27.183" E	21° 7' 4.767" N
P-41	84° 56' 24.288" E	21° 7' 3.778" N
P-42	84° 56' 23.324" E	21° 7' 3.578" N
P-43	84° 56' 20.185" E	21° 7' 3.209" N
P-44	84° 56' 18.258" E	21° 7' 2.937" N
P-45	84° 56' 17.619" E	21° 7' 2.644" N
P-46	84° 56' 16.499" E	21° 7' 1.645" N
P-47	84° 56' 16.015" E	21° 7' 0.676" N

Provisional Cardinal Points for ALAKNANDA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	84° 56' 15.657" E	21° 6' 59.208" N
P-49	84° 56' 15.527" E	21° 6' 58.441" N
P-50	84° 56' 15.822" E	21° 6' 57.987" N
P-51	84° 56' 16.783" E	21° 6' 57.702" N
P-52	84° 56' 18.546" E	21° 6' 57.455" N
P-53	84° 56' 19.804" E	21° 6' 57.038" N
P-54	84° 56' 20.646" E	21° 6' 56.173" N
P-55	84° 56' 20.867" E	21° 6' 54.946" N
P-56	84° 56' 20.859" E	21° 6' 53.763" N
P-57	84° 56' 20.414" E	21° 6' 52.382" N
P-58	84° 56' 19.850" E	21° 6' 50.407" N
P-59	84° 56' 19.116" E	21° 6' 48.752" N
P-60	84° 56' 19.036" E	21° 6' 48.573" N
P-61	84° 56' 19.012" E	21° 6' 48.208" N
P-62	84° 56' 18.748" E	21° 6' 46.821" N
P-63	84° 56' 19.613" E	21° 6' 45.891" N
P-64	84° 56' 20.731" E	21° 6' 45.067" N
P-65	84° 56' 21.669" E	21° 6' 44.868" N
P-66	84° 56' 22.380" E	21° 6' 44.864" N
P-67	84° 56' 23.620" E	21° 6' 45.179" N
P-68	84° 56' 25.896" E	21° 6' 46.219" N
P-69	84° 56' 27.068" E	21° 6' 46.642" N
P-70	84° 56' 27.941" E	21° 6' 46.938" N
P-71	84° 56' 28.766" E	21° 6' 46.933" N
P-72	84° 56' 29.383" E	21° 6' 46.564" N
P-73	84° 56' 29.744" E	21° 6' 45.723" N
P-74	84° 56' 29.826" E	21° 6' 44.389" N
P-75	84° 56' 29.279" E	21° 6' 42.235" N
P-76	84° 56' 28.915" E	21° 6' 41.294" N
P-77	84° 56' 28.271" E	21° 6' 39.929" N
P-78	84° 56' 26.934" E	21° 6' 37.767" N
P-79	84° 56' 25.964" E	21° 6' 36.361" N
P-80	84° 56' 25.166" E	21° 6' 35.238" N
P-81	84° 56' 23.488" E	21° 6' 32.971" N
P-82	84° 56' 23.327" E	21° 6' 32.753" N
P-83	84° 56' 23.232" E	21° 6' 32.641" N
P-84	84° 56' 21.901" E	21° 6' 30.931" N
P-85	84° 56' 19.135" E	21° 6' 28.560" N
P-86	84° 56' 17.633" E	21° 6' 26.891" N
P-87	84° 56' 16.508" E	21° 6' 25.715" N
P-88	84° 56' 15.079" E	21° 6' 24.244" N
P-89	84° 56' 12.948" E	21° 6' 22.416" N
P-90	84° 56' 11.785" E	21° 6' 21.150" N
P-91	84° 56' 11.234" E	21° 6' 20.434" N
P-92	84° 56' 10.578" E	21° 6' 19.192" N
P-93	84° 56' 10.209" E	21° 6' 17.580" N
P-94	84° 56' 10.068" E	21° 6' 14.586" N

Provisional Cardinal Points for ALAKNANDA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	84° 56' 10.790" E	21° 6' 12.904" N
P-96	84° 56' 10.989" E	21° 6' 11.148" N
P-97	84° 56' 10.960" E	21° 6' 9.634" N
P-98	84° 56' 10.825" E	21° 6' 9.047" N
P-99	84° 56' 10.516" E	21° 6' 8.572" N
P-100	84° 56' 10.089" E	21° 6' 8.153" N
P-101	84° 56' 9.228" E	21° 6' 7.054" N
P-102	84° 56' 8.235" E	21° 6' 6.673" N
P-103	84° 56' 6.420" E	21° 6' 6.684" N
P-104	84° 56' 3.123" E	21° 6' 7.194" N
P-105	84° 56' 0.077" E	21° 6' 8.167" N
P-106	84° 55' 57.550" E	21° 6' 8.767" N
P-107	84° 55' 56.039" E	21° 6' 8.949" N
P-108	84° 55' 54.250" E	21° 6' 8.830" N
P-109	84° 55' 52.046" E	21° 6' 8.327" N
P-110	84° 55' 50.669" E	21° 6' 8.034" N
P-111	84° 55' 48.835" E	21° 6' 8.002" N
P-112	84° 55' 48.011" E	21° 6' 8.136" N
P-113	84° 55' 46.230" E	21° 6' 9.179" N
P-114	84° 55' 44.401" E	21° 6' 9.878" N
P-115	84° 55' 42.662" E	21° 6' 10.276" N
P-116	84° 55' 40.646" E	21° 6' 10.374" N
P-117	84° 55' 38.630" E	21° 6' 10.558" N
P-118	84° 55' 34.743" E	21° 6' 12.001" N
P-119	84° 55' 32.237" E	21° 6' 12.876" N
P-120	84° 55' 29.765" E	21° 6' 13.458" N
P-121	84° 55' 26.384" E	21° 6' 13.685" N
P-122	84° 55' 21.653" E	21° 6' 13.738" N
P-123	84° 55' 18.681" E	21° 6' 13.498" N
P-124	84° 55' 16.310" E	21° 6' 12.712" N
P-125	84° 55' 14.215" E	21° 6' 12.027" N
P-126	84° 55' 12.615" E	21° 6' 11.288" N
P-127	84° 55' 10.766" E	21° 6' 10.421" N
P-128	84° 55' 9.716" E	21° 6' 9.578" N
P-129	84° 55' 9.599" E	21° 6' 9.377" N
P-130	84° 55' 9.363" E	21° 6' 8.973" N
P-131	84° 55' 9.361" E	21° 6' 8.966" N
P-132	84° 55' 9.029" E	21° 6' 8.056" N
P-133	84° 55' 8.541" E	21° 6' 6.744" N
P-134	84° 55' 8.499" E	21° 6' 4.524" N
P-135	84° 55' 8.408" E	21° 6' 3.286" N
P-136	84° 55' 8.231" E	21° 6' 2.749" N
P-137	84° 55' 7.575" E	21° 6' 2.129" N
P-138	84° 55' 6.252" E	21° 6' 1.698" N
P-139	84° 55' 5.013" E	21° 6' 1.422" N
P-140	84° 55' 3.142" E	21° 6' 1.355" N
P-141	84° 55' 1.158" E	21° 6' 0.799" N

Provisional Cardinal Points for ALAKNANDA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-142	84° 54' 59.365" E	21° 5' 59.983" N
P-143	84° 54' 57.984" E	21° 5' 59.140" N
P-144	84° 54' 56.215" E	21° 5' 57.684" N
P-145	84° 54' 56.103" E	21° 5' 57.543" N
P-146	84° 54' 55.254" E	21° 5' 56.781" N
P-147	84° 54' 53.696" E	21° 5' 55.448" N
P-148	84° 54' 51.843" E	21° 5' 53.910" N
P-149	84° 54' 50.516" E	21° 5' 52.886" N
P-150	84° 54' 50.124" E	21° 5' 52.465" N
P-151	84° 54' 50.125" E	21° 5' 52.815" N
P-152	84° 54' 50.112" E	21° 5' 52.803" N
P-153	84° 54' 50.143" E	21° 5' 56.056" N
P-154	84° 54' 50.071" E	21° 5' 59.390" N
P-155	84° 54' 49.999" E	21° 6' 2.724" N
P-156	84° 54' 49.927" E	21° 6' 6.058" N
P-157	84° 54' 49.855" E	21° 6' 9.391" N
P-158	84° 54' 49.783" E	21° 6' 12.725" N
P-159	84° 54' 49.711" E	21° 6' 16.059" N
P-160	84° 54' 49.639" E	21° 6' 19.393" N
P-161	84° 54' 49.567" E	21° 6' 22.727" N
P-162	84° 54' 49.495" E	21° 6' 26.060" N
P-163	84° 54' 49.423" E	21° 6' 29.394" N
P-164	84° 54' 49.351" E	21° 6' 32.728" N
P-165	84° 54' 49.279" E	21° 6' 36.062" N
P-166	84° 54' 49.207" E	21° 6' 39.396" N
P-167	84° 54' 49.135" E	21° 6' 42.729" N
P-168	84° 54' 49.063" E	21° 6' 46.063" N
P-169	84° 54' 48.990" E	21° 6' 49.397" N
P-170	84° 54' 48.918" E	21° 6' 52.731" N
P-171	84° 54' 48.846" E	21° 6' 56.065" N
P-172	84° 54' 48.774" E	21° 6' 59.398" N
P-173	84° 54' 48.702" E	21° 7' 2.732" N
P-174	84° 54' 48.630" E	21° 7' 6.066" N
P-175	84° 54' 48.558" E	21° 7' 9.400" N
P-176	84° 54' 48.486" E	21° 7' 12.734" N
P-177	84° 54' 48.414" E	21° 7' 16.067" N
P-178	84° 54' 48.342" E	21° 7' 19.401" N
P-179	84° 54' 48.270" E	21° 7' 22.735" N
P-180	84° 54' 48.198" E	21° 7' 26.069" N
P-181	84° 54' 48.126" E	21° 7' 29.403" N
P-182	84° 54' 48.054" E	21° 7' 32.736" N
P-183	84° 54' 47.982" E	21° 7' 36.070" N
P-184	84° 54' 47.910" E	21° 7' 39.404" N
P-185	84° 54' 47.838" E	21° 7' 42.738" N
P-186	84° 54' 47.765" E	21° 7' 46.072" N
P-187	84° 54' 47.693" E	21° 7' 49.406" N
P-188	84° 54' 47.621" E	21° 7' 52.739" N

Provisional Cardinal Points for ALAKNANDA Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-189	84° 54' 47.549" E	21° 7' 56.073" N
P-190	84° 54' 47.477" E	21° 7' 59.407" N
P-191	84° 54' 47.405" E	21° 8' 2.741" N