GONDULPARA COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details	
1.	**Location**		
	Coal Block	**GONDULPARA**	
	Latitude	23° 50′ 20″ N & 23° 51′ 20″ N (Provisional)	Topo Sheet No. 73 E/5 (RF – 1:50000) (Tentatively geo-reference on New Mosaicked SoI Toposheets and falls in No. F45B5 of WGS84 datum)
	Longitude	85° 18′ 20″ E & 85° 20′ 15″E (Provisional)	
	Coalfield	North Karanpura Coalfield	
	Villages	Phulang, Hahe, Gondulpara & Gali	
	Tehsil/ Taluka		
	District	Hazaribagh	
	State	Jharkhand	
2.	**Connectivity with Block**		
	Nearest Rail Head	Patratu 35 Km	
	Road	3 kms kutcha road connects the block to Badam village, which in turn is connected by fair weather road to barkagaon village (12 km) on Tandwa-Hazaribag metalled road.The distance of the block from Hazaribag town is about 35 kms.	
	Airport	Ranchi	
3.	**Area**		
	Geological Block Area	4.10 Sq. km (Effective area excluding burnt/ heat-affected zone 1.59 sq.km) [As per shape file. Refer Note No. 3]	
	Mining Lease Area (As per Mining Plan)	332.80 Ha	
	Forest Area	136.00 Ha	
	Non-Forest Area	384.00 Ha	
4.	**Climate and Topography**		
	Average Annual Rainfall	1253.91 mm (Max.-2037.50mm, max.-731.00) mm	
	Local Surface Drainage Channels	The drainage of the block is controlled by the Badmahi river in the north. There are a few nalas (all seasonal) which discharge into Badmahi river.	
	Rivers	Badmahi river	
5.	**Exploration**		
	Status	Explored	
	Exploration Agency	GSI & CMPDI	
	Total Number of Boreholes with meterage	57 Boreholes 9586.3 m (Additional drilling of 3000 m required)	
	Borehole Density	14.25 Boreholes/sqkm	
	General Dip of Seams	Southerly dip 8^0 to 25^0	
	General Strike Direction	NE-SW Generally over major part	

6.	**Geological Reserve: Proved – 74.877 Mt; Indicated – 101.458 Mt; Total – 176.333 Mt (As per GR)** **Workable Coal Seam Details (As Considered in Mining Plan)**						
	Coal Seams/ Partings	Thickness Range(m)	Depth Range(m)	Geological Reserve (MT)	Extractable Reserve (MT)	Grade	Mining Method (UG/OC/Mixed)
	V	3.91-6.3	Up to 150	10.38	116.68	E-F	OC
	IV D	4.307-15.44	Up to 220	20.19		D-E	OC
	IV	3.25-5.46	Up to 200	10.36		B-D	OC
	IIITop	2.45-4.8	Up to 240	4.83		C-F	OC
	III Combined	4.15-6.82	Up to 210	8.20		C-E	OC
	III Bottom	8.67-11.34	Up to 220	6.54		E	OC
	II	7.39-18.10	Up to 250	40.79		D-E	OC
	I	11.07-20.43	Up to 250	64.89		E-F	OC
Total Geological Reserves (Net) in the Block (MT)					166.18		
Geological Reserves considered for OC (MT)					166.18 (74.87 MT in Pit I +91.31 MT in Future Extended Pit)		
Total Extractable Coal (MT)					*116.68 (62.198MT in Pit I+ 54.40MT in Future Extended Pit)		
Total OB (MCum)					221.28 (105.34 MCum+115.94MCum)		
Strip Ratio (Cum/Te)					1.69 (for Pit I only) & 1.9 (including 'Future Extended Pit')		

***Note:** Mining will be done in two parts, first 17 years in pit I having non heat affected proved reserves and remaining 15 years in Future extended pit in heat affected zone where reserves are of indicated category.

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allotee	1.M/s Tenughat Vidyut Nigam Ltd., *Hinoo, Doranda , Ranchi-834002, Jharkhand* *2. M/s Damodar Valley Corporation, D.V.C. Tower, VIP Road, Kolkata-700054*
2.	**Target Capacity as per Mining Plan**	4 MTPA
3.	**Status of Clearances/Approvals**	
	Mining Plan/ Mine Closure Plan	MP Approved vide letter no. 13016/31/2006-CA-I dated 24.06.2009, GOI, MOC.
	Forest Clearance	Application made for Forest Clearance under Forest (Conservation) Act, 1980 vide letter no. TECML/Forest/2010/21 dated 20.09.2010
	Environmental Clearance	TOR cleared vide letter no. J-11015/280/2009-IA.II (M) dated 18.02.2010 from MoEF New Delhi. Presentation to EAC, MOEF, GOI made on 19.11.12. Presentation on the points raised during 19.11.2012 held on 09.01.2013 at New Delhi. Reply to query raised on 09.01.2013 has been submitted to MoEF on 29.04.2013. EC is under active consideration of the EAC, MoEF.
	Mining Lease	Application for mining lease for 332.80 Ha submitted to DMO, Hazaribagh dt 24.08.11. DC Hazaribagh has sent the proposal to Ranchi on 9.02.12, which after approval has been sent to MoC, for prior approval vide letter no Kha.Ni.(Koyla)-01/2012/ 1993/M dt. 25.09.12. Reminder by letter no. 1479 dt. 14.06.13.

	Land Acquisition	64.3036 Ha CA land as on 21.10.2014
	No. of PAFs as per Mining Plan/ Mine Closure Plan	495 Households (As per annexure XI, Mine Closure Plan)
4.	Surface Infrastructure already built, if any.	Nil

Note:

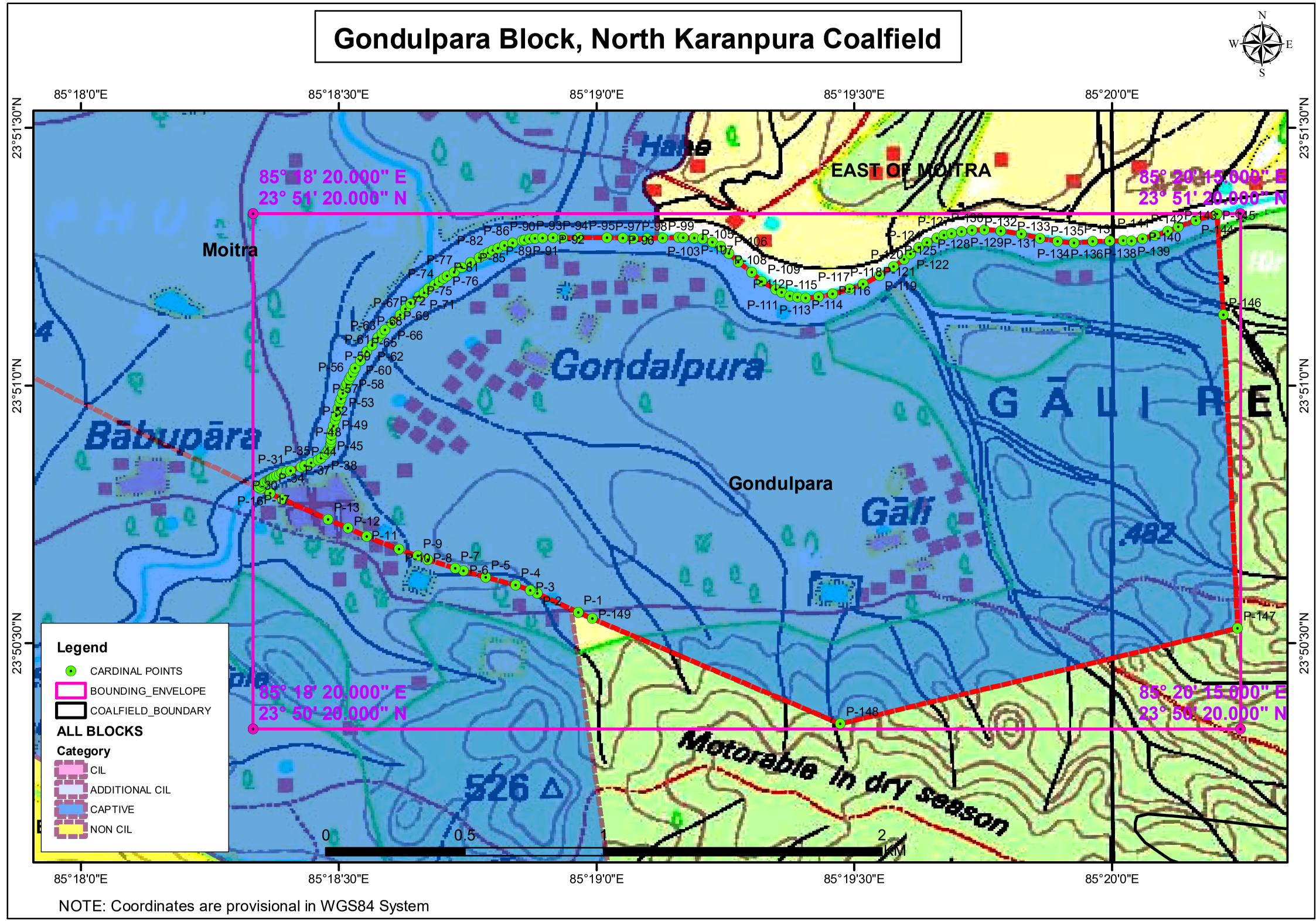
1. The above data is compiled from Geological Report, Mining Plan and the data furnished by the prior allottee in Annexure-I/II, as available. For clarifications with regard to above data, please refer aforesaid source documents.

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.

4. Dolerite and mica peridotite: About 50% of the area affected by intrusive.

Gondulpara Block, North Karanpura Coalfield



NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Gondulpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	85° 18' 57.884" E	23° 50' 33.585" N
P-2	85° 18' 53.059" E	23° 50' 35.808" N
P-3	85° 18' 52.267" E	23° 50' 36.170" N
P-4	85° 18' 50.582" E	23° 50' 36.754" N
P-5	85° 18' 47.078" E	23° 50' 37.677" N
P-6	85° 18' 44.511" E	23° 50' 38.423" N
P-7	85° 18' 43.541" E	23° 50' 38.725" N
P-8	85° 18' 40.344" E	23° 50' 39.728" N
P-9	85° 18' 39.166" E	23° 50' 40.143" N
P-10	85° 18' 36.996" E	23° 50' 40.932" N
P-11	85° 18' 33.221" E	23° 50' 42.416" N
P-12	85° 18' 31.098" E	23° 50' 43.387" N
P-13	85° 18' 28.771" E	23° 50' 44.395" N
P-14	85° 18' 23.416" E	23° 50' 46.801" N
P-15	85° 18' 21.942" E	23° 50' 47.431" N
P-16	85° 18' 20.890" E	23° 50' 47.995" N
P-17	85° 18' 20.608" E	23° 50' 48.147" N
P-18	85° 18' 20.871" E	23° 50' 48.334" N
P-19	85° 18' 21.248" E	23° 50' 48.606" N
P-20	85° 18' 21.397" E	23° 50' 48.714" N
P-21	85° 18' 21.629" E	23° 50' 48.860" N
P-22	85° 18' 21.891" E	23° 50' 49.020" N
P-23	85° 18' 21.985" E	23° 50' 49.078" N
P-24	85° 18' 22.040" E	23° 50' 49.112" N
P-25	85° 18' 22.144" E	23° 50' 49.175" N
P-26	85° 18' 22.344" E	23° 50' 49.282" N
P-27	85° 18' 22.479" E	23° 50' 49.354" N
P-28	85° 18' 22.763" E	23° 50' 49.500" N
P-29	85° 18' 23.059" E	23° 50' 49.652" N
P-30	85° 18' 23.358" E	23° 50' 49.806" N
P-31	85° 18' 23.918" E	23° 50' 49.962" N
P-32	85° 18' 24.366" E	23° 50' 50.088" N
P-33	85° 18' 25.594" E	23° 50' 50.501" N
P-34	85° 18' 26.001" E	23° 50' 50.660" N
P-35	85° 18' 26.775" E	23° 50' 50.980" N
P-36	85° 18' 27.546" E	23° 50' 51.336" N
P-37	85° 18' 27.936" E	23° 50' 51.542" N
P-38	85° 18' 28.440" E	23° 50' 51.974" N
P-39	85° 18' 28.623" E	23° 50' 52.243" N
P-40	85° 18' 28.814" E	23° 50' 52.522" N
P-41	85° 18' 28.969" E	23° 50' 52.937" N
P-42	85° 18' 29.031" E	23° 50' 53.102" N
P-43	85° 18' 29.058" E	23° 50' 53.399" N
P-44	85° 18' 29.090" E	23° 50' 53.750" N
P-45	85° 18' 29.163" E	23° 50' 54.250" N
P-46	85° 18' 29.263" E	23° 50' 54.695" N
P-47	85° 18' 29.391" E	23° 50' 55.267" N
P-48	85° 18' 29.569" E	23° 50' 56.015" N
P-49	85° 18' 29.686" E	23° 50' 56.478" N

Provisional Cardinal Points for Gondulpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-50	85° 18' 29.896" E	23° 50' 57.303" N
P-51	85° 18' 30.074" E	23° 50' 58.006" N
P-52	85° 18' 30.244" E	23° 50' 58.468" N
P-53	85° 18' 30.474" E	23° 50' 59.091" N
P-54	85° 18' 30.761" E	23° 50' 59.871" N
P-55	85° 18' 30.930" E	23° 51' 0.192" N
P-56	85° 18' 31.204" E	23° 51' 0.711" N
P-57	85° 18' 31.398" E	23° 51' 1.079" N
P-58	85° 18' 31.660" E	23° 51' 1.576" N
P-59	85° 18' 31.900" E	23° 51' 2.031" N
P-60	85° 18' 32.467" E	23° 51' 2.902" N
P-61	85° 18' 33.283" E	23° 51' 3.930" N
P-62	85° 18' 33.876" E	23° 51' 4.677" N
P-63	85° 18' 34.586" E	23° 51' 5.572" N
P-64	85° 18' 35.000" E	23° 51' 6.093" N
P-65	85° 18' 35.361" E	23° 51' 6.461" N
P-66	85° 18' 36.154" E	23° 51' 7.269" N
P-67	85° 18' 37.099" E	23° 51' 8.232" N
P-68	85° 18' 37.772" E	23° 51' 8.919" N
P-69	85° 18' 38.378" E	23° 51' 9.536" N
P-70	85° 18' 39.333" E	23° 51' 10.347" N
P-71	85° 18' 39.888" E	23° 51' 10.817" N
P-72	85° 18' 40.432" E	23° 51' 11.279" N
P-73	85° 18' 41.144" E	23° 51' 11.767" N
P-74	85° 18' 41.678" E	23° 51' 12.133" N
P-75	85° 18' 42.157" E	23° 51' 12.461" N
P-76	85° 18' 42.601" E	23° 51' 12.765" N
P-77	85° 18' 43.374" E	23° 51' 13.204" N
P-78	85° 18' 44.324" E	23° 51' 13.744" N
P-79	85° 18' 45.349" E	23° 51' 14.326" N
P-80	85° 18' 46.340" E	23° 51' 14.906" N
P-81	85° 18' 46.886" E	23° 51' 15.226" N
P-82	85° 18' 47.351" E	23° 51' 15.465" N
P-83	85° 18' 47.916" E	23° 51' 15.733" N
P-84	85° 18' 48.476" E	23° 51' 15.998" N
P-85	85° 18' 49.298" E	23° 51' 16.307" N
P-86	85° 18' 50.201" E	23° 51' 16.584" N
P-87	85° 18' 51.342" E	23° 51' 16.893" N
P-88	85° 18' 51.610" E	23° 51' 16.947" N
P-89	85° 18' 52.214" E	23° 51' 17.069" N
P-90	85° 18' 52.805" E	23° 51' 17.111" N
P-91	85° 18' 53.703" E	23° 51' 17.154" N
P-92	85° 18' 54.954" E	23° 51' 17.195" N
P-93	85° 18' 55.985" E	23° 51' 17.207" N
P-94	85° 18' 57.917" E	23° 51' 17.216" N
P-95	85° 19' 1.204" E	23° 51' 17.220" N
P-96	85° 19' 3.075" E	23° 51' 17.172" N
P-97	85° 19' 4.307" E	23° 51' 17.137" N
P-98	85° 19' 5.825" E	23° 51' 17.120" N

Provisional Cardinal Points for Gondulpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-99	85° 19' 7.676" E	23° 51' 17.168" N
P-100	85° 19' 9.537" E	23° 51' 17.234" N
P-101	85° 19' 10.031" E	23° 51' 17.199" N
P-102	85° 19' 11.397" E	23° 51' 17.162" N
P-103	85° 19' 12.296" E	23° 51' 17.068" N
P-104	85° 19' 13.498" E	23° 51' 16.703" N
P-105	85° 19' 14.476" E	23° 51' 16.215" N
P-106	85° 19' 15.404" E	23° 51' 15.365" N
P-107	85° 19' 16.482" E	23° 51' 14.396" N
P-108	85° 19' 18.069" E	23° 51' 13.175" N
P-109	85° 19' 19.224" E	23° 51' 12.104" N
P-110	85° 19' 20.825" E	23° 51' 11.210" N
P-111	85° 19' 21.578" E	23° 51' 10.822" N
P-112	85° 19' 22.481" E	23° 51' 10.402" N
P-113	85° 19' 23.381" E	23° 51' 10.257" N
P-114	85° 19' 24.354" E	23° 51' 10.199" N
P-115	85° 19' 25.849" E	23° 51' 10.335" N
P-116	85° 19' 27.491" E	23° 51' 10.646" N
P-117	85° 19' 29.428" E	23° 51' 11.252" N
P-118	85° 19' 31.048" E	23° 51' 11.802" N
P-119	85° 19' 32.905" E	23° 51' 12.820" N
P-120	85° 19' 34.557" E	23° 51' 13.853" N
P-121	85° 19' 35.815" E	23° 51' 14.672" N
P-122	85° 19' 36.557" E	23° 51' 15.337" N
P-123	85° 19' 37.502" E	23° 51' 16.087" N
P-124	85° 19' 38.449" E	23° 51' 16.631" N
P-125	85° 19' 39.620" E	23° 51' 17.159" N
P-126	85° 19' 40.476" E	23° 51' 17.496" N
P-127	85° 19' 41.278" E	23° 51' 17.711" N
P-128	85° 19' 42.491" E	23° 51' 17.913" N
P-129	85° 19' 43.704" E	23° 51' 18.081" N
P-130	85° 19' 45.125" E	23° 51' 18.148" N
P-131	85° 19' 47.034" E	23° 51' 18.014" N
P-132	85° 19' 49.470" E	23° 51' 17.645" N
P-133	85° 19' 51.572" E	23° 51' 17.134" N
P-134	85° 19' 53.652" E	23° 51' 16.778" N
P-135	85° 19' 55.581" E	23° 51' 16.610" N
P-136	85° 19' 57.757" E	23° 51' 16.759" N
P-137	85° 19' 59.731" E	23° 51' 16.810" N
P-138	85° 20' 1.301" E	23° 51' 16.844" N
P-139	85° 20' 2.293" E	23° 51' 16.837" N
P-140	85° 20' 3.561" E	23° 51' 17.092" N
P-141	85° 20' 4.978" E	23° 51' 17.469" N
P-142	85° 20' 6.468" E	23° 51' 17.932" N
P-143	85° 20' 7.752" E	23° 51' 18.479" N
P-144	85° 20' 9.725" E	23° 51' 19.223" N
P-145	85° 20' 12.221" E	23° 51' 19.972" N
P-146	85° 20' 12.959" E	23° 51' 8.209" N
P-147	85° 20' 14.618" E	23° 50' 31.755" N

Provisional Cardinal Points for Gondulpara Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-148	85° 19' 28.379" E	23° 50' 20.598" N
P-149	85° 18' 59.504" E	23° 50' 32.863" N