DHARAMPUR BLOCK SUMMARY
PART A

Sl. No.	Features	Details
1.	**Location**	
	Coal Block	Dharampur
	Latitude	23° 23' 46" N-23° 26' 29" N (Provisional)
	Longitude	83° 3' 45" E-83° 13' 53" E (Provisional)
	Topo Sheet No.	64 M/3
	Coalfield	Bisrampur
	Villages	-
	Tehsil/Taluka	Baiyathan, Pratappur
	District	Surajpur
	State	Chhattisgarh
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest railway Station is Ambikapur which is also the terminus of Manendragarh-Ambikapur rail link of South-Eastern Railway.
	Road	The Ambikapur-Partappur state highway SH-5 is located in the eastern part of the block traversing North-South within Dharampur block. The block is connected with this highway by fair weather roads.
	Airport	Raipur
3.	**Area**	
	Geological Block Area	51.74 sq km (As per shape file. Refer note below)
	Green Cover	Approx. 40% (As per FSI)
	Non-Forest Area	Approx. 60% (As per FSI)
4.	**Climate and Topography**	
	Average Annual Rainfall	410.6 mm
	Temperature (Min. — Max.)	The temperature in winter ranges between 4.4 ºC – 26.5ºC and the summer temperature ranges between 21.6 ºC - 42.7 ºC.
	Local Surface Drainage Channels	Mahan River flowing from north to south marks the western boundary of the block.
	Rivers	Mahan River, Banki River

5.	**Exploration**	
	Status	Regionally Explored
	Exploration Agency	MECL
	Total Number of Boreholes with	61 boreholes & 8223.00 m
	Borehole Density	Approx. 1.2 borehole per sq km
	General Dip of Seams	The dip of the beds are 2° to 3° due south in major part of the block and becomes horizontal & sub-horizontal to gently rolling particularly in the southern parts of the block. It is also seen that, the beds in the periphery of the block have south-west and south-east dips due to rolling nature.
	General Strike Direction	The strike of the coal beds varies from N40ºW – S40ºE to NW – SE in the western part of the block, it becomes E-W in the central part and then swerves to N65ºE to S65ºW in the eastern part of the block. The coal beds in the southern part of the block exhibit rolling nature of strike.
	Faults	A total of 6 faults designated serially from north to south viz. F2 to F7 have been deciphered in Dharampur block. Fault F2, F3, F4 & F5 are low intensity faults having throw up to 30 m, whereas fault F7 & F6 are moderate intensity faults having maximum throw of 50 m to 80 m.

6.	**Coal Seams & Reserve**					
	Coal Seams	Thickness Range (m)	Depth Range (m)	Resources (MT)		Grade
				Indicated	Inferred	
	IX Middle (Upper)	0.21-0.5	20.76-22			G7
	IX Middle (Central)	1.4-2.43	22.67-25	2.512		G5-G6
	IX Middle (Lower)	1.07-2.62	26.58-27.33	2.202		G11-G14
	IX Bottom (Upper)	0.15-0.52	28.55-29.7			G16
	IX Bottom (Central)	2.17-2.28	31.9-31.77	3.092		G10-G12
	IX Bottom (Lower)	1.62-2.64	36.38-36.4	2.721		G13
	L-8	0.1-1.84	14.48-54.6			G6-G7
	L-7	0.1-2.53	22-27.2			G8
	VIII Top	1.08	23.24			G17
	VIII Bottom	0.1	25			
	VIII Combined	0.11-3.36	13.92-96.3	21.054	3.297	G4-G13
	L-6 Top	0.1-0.69	32.46-94.5			G8
	L-6 Bottom	0.2-1.13	35.7-96.63	0.404		G2
	L-6 Combined	0.1-1.24	10.46-103.22	3.429	0.035	G2-G12

	VII	0.04-1.3	13.5-129.97			G10-G13
	VI	0.3-1.5	73-111.4			G4-G15
	V	0.08-1.33	13.33-156.9	6.214		G2-G16
	L-5	0.03-0.5	21.3-99.54			G7
	L-4	0.08-1.1	31-177.97			G3-G17
	L-3	0.05-1.55	47.1-188.3			G3-G13
	L-2	0.05-0.7	57-202.43			G4-G13
	L-1 Top	0.1-0.9	76-214.5			G4-G15
	L-1 Bottom	0.05-0.7	83.9-220			G10
	Total			**41.628**	**3.332**	
	Grand Total			**44.960**		**G9**
7.	**Surface Constraints**	Dharampur Reserved Forest in the eastern half (As per SoI topo sheet)				
8.	**Grade of coal**	G9 (Provisional), Based on grade-wise data available in Regional GR.				
9.	**Decision Support System (DSS) Analysis**	Hydrology info: The polygon touches major river(s)- Mahan River & Banki N Protected area info: The polygon touches Protected Area(s) Tamor Pingla (WLS) Wildlife info: The polygon touches Wildlife Habitat(s)- Sloth Bear				
10.	**Eco Sensitive Zone (ESZ)**	Western boundary of the block is approx. 0.3 km from the boundary of TR-PA of Tamorpingla and 9 km from the boundary of ESZ of Tamorpingla. Approx. 11.5 km from the boundary of tiger corridor connecting Tamorpingla and Semarsot. Southern boundary of the block is approx. 50 km from the boundary of buffer zone of unnotified Lemru Elephant Reserve.				

Note:

1. The summary has been compiled from 'Geological Report on Regional Exploration for Coal Dharampur block, Bisrampur Coalfield District-Surajpur, Chhattisgarh (Under Promotional Program) (Scheme no MC-N41)".
2. The area explored as per the regional report by MECL is about 40 sq.km while the area of the Dharampur block after boundary revision, is 51.74 sq.km.

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.

Dharampur Block, Bishrampur Coalfield

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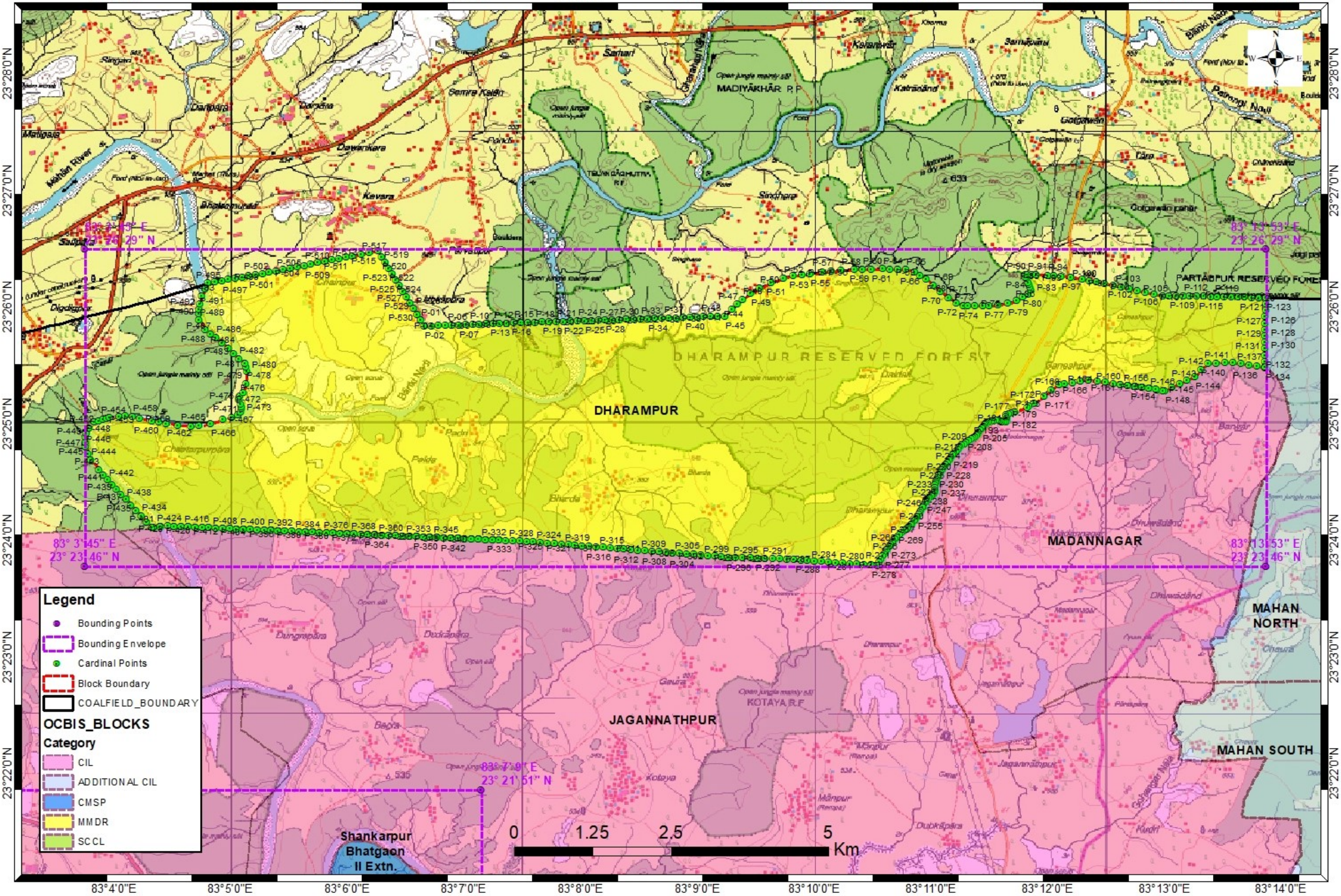

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	83° 6' 38.134" E	23° 25' 52.506" N
P-2	83° 6' 39.983" E	23° 25' 49.536" N
P-3	83° 6' 43.507" E	23° 25' 49.667" N
P-4	83° 6' 47.031" E	23° 25' 49.799" N
P-5	83° 6' 50.555" E	23° 25' 49.930" N
P-6	83° 6' 54.079" E	23° 25' 50.062" N
P-7	83° 6' 57.603" E	23° 25' 50.193" N
P-8	83° 7' 1.127" E	23° 25' 50.325" N
P-9	83° 7' 4.652" E	23° 25' 50.456" N
P-10	83° 7' 8.176" E	23° 25' 50.588" N
P-11	83° 7' 11.700" E	23° 25' 50.719" N
P-12	83° 7' 15.224" E	23° 25' 50.850" N
P-13	83° 7' 18.748" E	23° 25' 50.982" N
P-14	83° 7' 22.325" E	23° 25' 51.102" N
P-15	83° 7' 25.902" E	23° 25' 51.221" N
P-16	83° 7' 29.533" E	23° 25' 51.330" N
P-17	83° 7' 33.163" E	23° 25' 51.438" N
P-18	83° 7' 36.794" E	23° 25' 51.547" N
P-19	83° 7' 40.424" E	23° 25' 51.655" N
P-20	83° 7' 44.055" E	23° 25' 51.764" N
P-21	83° 7' 47.686" E	23° 25' 51.872" N
P-22	83° 7' 51.316" E	23° 25' 51.980" N
P-23	83° 7' 54.947" E	23° 25' 52.089" N
P-24	83° 7' 58.577" E	23° 25' 52.197" N
P-25	83° 8' 2.208" E	23° 25' 52.305" N
P-26	83° 8' 5.838" E	23° 25' 52.414" N
P-27	83° 8' 9.469" E	23° 25' 52.522" N
P-28	83° 8' 13.099" E	23° 25' 52.630" N
P-29	83° 8' 16.730" E	23° 25' 52.738" N
P-30	83° 8' 20.360" E	23° 25' 52.846" N
P-31	83° 8' 23.991" E	23° 25' 52.954" N
P-32	83° 8' 27.621" E	23° 25' 53.063" N
P-33	83° 8' 31.252" E	23° 25' 53.171" N
P-34	83° 8' 34.883" E	23° 25' 53.279" N
P-35	83° 8' 38.489" E	23° 25' 53.410" N
P-36	83° 8' 42.095" E	23° 25' 53.541" N
P-37	83° 8' 45.701" E	23° 25' 53.672" N
P-38	83° 8' 49.307" E	23° 25' 53.802" N
P-39	83° 8' 52.913" E	23° 25' 53.933" N
P-40	83° 8' 56.519" E	23° 25' 54.064" N
P-41	83° 9' 0.126" E	23° 25' 54.195" N
P-42	83° 9' 3.732" E	23° 25' 54.326" N
P-43	83° 9' 7.338" E	23° 25' 54.456" N
P-44	83° 9' 10.944" E	23° 25' 54.587" N
P-45	83° 9' 14.696" E	23° 25' 54.508" N
P-46	83° 9' 18.239" E	23° 25' 58.275" N
P-47	83° 9' 20.962" E	23° 26' 0.727" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	83° 9' 23.685" E	23° 26' 3.179" N
P-49	83° 9' 27.599" E	23° 26' 6.286" N
P-50	83° 9' 32.298" E	23° 26' 9.182" N
P-51	83° 9' 38.141" E	23° 26' 11.984" N
P-52	83° 9' 44.532" E	23° 26' 14.350" N
P-53	83° 9' 49.739" E	23° 26' 15.645" N
P-54	83° 9' 54.058" E	23° 26' 16.151" N
P-55	83° 9' 58.377" E	23° 26' 16.656" N
P-56	83° 10' 4.799" E	23° 26' 17.248" N
P-57	83° 10' 9.447" E	23° 26' 17.814" N
P-58	83° 10' 14.096" E	23° 26' 18.380" N
P-59	83° 10' 20.940" E	23° 26' 18.866" N
P-60	83° 10' 25.327" E	23° 26' 18.901" N
P-61	83° 10' 29.714" E	23° 26' 18.936" N
P-62	83° 10' 35.603" E	23° 26' 19.021" N
P-63	83° 10' 39.541" E	23° 26' 18.938" N
P-64	83° 10' 43.480" E	23° 26' 18.856" N
P-65	83° 10' 47.693" E	23° 26' 18.528" N
P-66	83° 10' 51.982" E	23° 26' 17.203" N
P-67	83° 10' 55.073" E	23° 26' 15.694" N
P-68	83° 10' 57.930" E	23° 26' 13.794" N
P-69	83° 11' 1.528" E	23° 26' 10.684" N
P-70	83° 11' 5.430" E	23° 26' 7.412" N
P-71	83° 11' 9.509" E	23° 26' 4.309" N
P-72	83° 11' 13.401" E	23° 26' 1.592" N
P-73	83° 11' 17.331" E	23° 26' 0.206" N
P-74	83° 11' 19.381" E	23° 25' 59.792" N
P-75	83° 11' 23.347" E	23° 25' 59.848" N
P-76	83° 11' 27.313" E	23° 25' 59.905" N
P-77	83° 11' 30.314" E	23° 26' 0.114" N
P-78	83° 11' 35.118" E	23° 26' 0.404" N
P-79	83° 11' 40.210" E	23° 26' 1.419" N
P-80	83° 11' 44.636" E	23° 26' 2.702" N
P-81	83° 11' 48.030" E	23° 26' 4.636" N
P-82	83° 11' 50.409" E	23° 26' 6.111" N
P-83	83° 11' 51.937" E	23° 26' 8.185" N
P-84	83° 11' 51.492" E	23° 26' 9.676" N
P-85	83° 11' 51.171" E	23° 26' 10.892" N
P-86	83° 11' 51.111" E	23° 26' 10.891" N
P-87	83° 11' 50.675" E	23° 26' 11.772" N
P-88	83° 11' 49.493" E	23° 26' 14.195" N
P-89	83° 11' 49.307" E	23° 26' 14.525" N
P-90	83° 11' 49.044" E	23° 26' 15.908" N
P-91	83° 11' 50.065" E	23° 26' 15.923" N
P-92	83° 11' 52.290" E	23° 26' 15.899" N
P-93	83° 11' 54.874" E	23° 26' 15.880" N
P-94	83° 12' 0.467" E	23° 26' 15.737" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	83° 12' 3.654" E	23° 26' 15.616" N
P-96	83° 12' 7.628" E	23° 26' 15.229" N
P-97	83° 12' 12.448" E	23° 26' 14.521" N
P-98	83° 12' 18.594" E	23° 26' 13.554" N
P-99	83° 12' 22.121" E	23° 26' 12.910" N
P-100	83° 12' 25.648" E	23° 26' 12.267" N
P-101	83° 12' 29.959" E	23° 26' 11.441" N
P-102	83° 12' 34.270" E	23° 26' 10.614" N
P-103	83° 12' 38.402" E	23° 26' 9.757" N
P-104	83° 12' 42.533" E	23° 26' 8.901" N
P-105	83° 12' 46.666" E	23° 26' 7.933" N
P-106	83° 12' 50.799" E	23° 26' 6.965" N
P-107	83° 12' 55.260" E	23° 26' 6.110" N
P-108	83° 12' 59.721" E	23° 26' 5.255" N
P-109	83° 13' 3.251" E	23° 26' 5.182" N
P-110	83° 13' 6.780" E	23° 26' 5.109" N
P-111	83° 13' 10.310" E	23° 26' 5.036" N
P-112	83° 13' 13.840" E	23° 26' 4.963" N
P-113	83° 13' 17.369" E	23° 26' 4.890" N
P-114	83° 13' 20.899" E	23° 26' 4.817" N
P-115	83° 13' 24.428" E	23° 26' 4.743" N
P-116	83° 13' 27.958" E	23° 26' 4.670" N
P-117	83° 13' 31.487" E	23° 26' 4.597" N
P-118	83° 13' 35.017" E	23° 26' 4.524" N
P-119	83° 13' 38.546" E	23° 26' 4.451" N
P-120	83° 13' 42.076" E	23° 26' 4.377" N
P-121	83° 13' 45.606" E	23° 26' 4.304" N
P-122	83° 13' 49.135" E	23° 26' 4.231" N
P-123	83° 13' 52.665" E	23° 26' 4.158" N
P-124	83° 13' 52.650" E	23° 26' 0.880" N
P-125	83° 13' 52.636" E	23° 25' 57.603" N
P-126	83° 13' 52.622" E	23° 25' 54.325" N
P-127	83° 13' 52.607" E	23° 25' 51.048" N
P-128	83° 13' 52.593" E	23° 25' 47.771" N
P-129	83° 13' 52.579" E	23° 25' 44.493" N
P-130	83° 13' 52.565" E	23° 25' 41.216" N
P-131	83° 13' 52.550" E	23° 25' 37.939" N
P-132	83° 13' 52.536" E	23° 25' 34.661" N
P-133	83° 13' 52.522" E	23° 25' 31.384" N
P-134	83° 13' 52.507" E	23° 25' 28.106" N
P-135	83° 13' 52.234" E	23° 25' 28.346" N
P-136	83° 13' 48.209" E	23° 25' 28.937" N
P-137	83° 13' 44.183" E	23° 25' 29.529" N
P-138	83° 13' 40.158" E	23° 25' 30.120" N
P-139	83° 13' 36.133" E	23° 25' 30.712" N
P-140	83° 13' 31.766" E	23° 25' 30.591" N
P-141	83° 13' 27.400" E	23° 25' 30.469" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-142	83° 13' 23.033" E	23° 25' 30.348" N
P-143	83° 13' 19.608" E	23° 25' 26.973" N
P-144	83° 13' 16.183" E	23° 25' 23.599" N
P-145	83° 13' 12.295" E	23° 25' 21.773" N
P-146	83° 13' 8.408" E	23° 25' 19.947" N
P-147	83° 13' 4.521" E	23° 25' 18.120" N
P-148	83° 13' 0.633" E	23° 25' 16.294" N
P-149	83° 12' 59.724" E	23° 25' 16.422" N
P-150	83° 12' 56.891" E	23° 25' 16.818" N
P-151	83° 12' 56.111" E	23° 25' 16.927" N
P-152	83° 12' 53.148" E	23° 25' 17.342" N
P-153	83° 12' 52.498" E	23° 25' 17.432" N
P-154	83° 12' 49.405" E	23° 25' 17.865" N
P-155	83° 12' 48.885" E	23° 25' 17.938" N
P-156	83° 12' 45.663" E	23° 25' 18.389" N
P-157	83° 12' 45.273" E	23° 25' 18.443" N
P-158	83° 12' 41.920" E	23° 25' 18.912" N
P-159	83° 12' 41.660" E	23° 25' 18.949" N
P-160	83° 12' 38.177" E	23° 25' 19.436" N
P-161	83° 12' 38.047" E	23° 25' 19.454" N
P-162	83° 12' 34.434" E	23° 25' 19.959" N
P-163	83° 12' 30.205" E	23° 25' 20.552" N
P-164	83° 12' 25.976" E	23° 25' 21.144" N
P-165	83° 12' 21.748" E	23° 25' 21.737" N
P-166	83° 12' 17.467" E	23° 25' 21.097" N
P-167	83° 12' 13.300" E	23° 25' 20.482" N
P-168	83° 12' 9.133" E	23° 25' 19.866" N
P-169	83° 12' 6.653" E	23° 25' 19.505" N
P-170	83° 12' 2.606" E	23° 25' 16.581" N
P-171	83° 11' 58.559" E	23° 25' 13.658" N
P-172	83° 11' 53.547" E	23° 25' 9.993" N
P-173	83° 11' 51.100" E	23° 25' 8.243" N
P-174	83° 11' 49.989" E	23° 25' 7.464" N
P-175	83° 11' 43.677" E	23° 25' 5.232" N
P-176	83° 11' 41.864" E	23° 25' 4.571" N
P-177	83° 11' 40.559" E	23° 25' 4.142" N
P-178	83° 11' 39.212" E	23° 25' 3.709" N
P-179	83° 11' 39.313" E	23° 25' 2.862" N
P-180	83° 11' 39.386" E	23° 25' 2.275" N
P-181	83° 11' 39.383" E	23° 25' 1.179" N
P-182	83° 11' 39.182" E	23° 25' 0.483" N
P-183	83° 11' 38.946" E	23° 25' 0.259" N
P-184	83° 11' 38.375" E	23° 25' 0.124" N
P-185	83° 11' 37.341" E	23° 25' 0.175" N
P-186	83° 11' 36.678" E	23° 25' 0.351" N
P-187	83° 11' 36.306" E	23° 25' 0.508" N
P-188	83° 11' 35.974" E	23° 25' 0.724" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-189	83° 11' 35.483" E	23° 25' 0.922" N
P-190	83° 11' 35.062" E	23° 25' 1.002" N
P-191	83° 11' 34.196" E	23° 25' 1.000" N
P-192	83° 11' 32.793" E	23° 25' 0.862" N
P-193	83° 11' 31.668" E	23° 25' 0.744" N
P-194	83° 11' 30.510" E	23° 25' 0.432" N
P-195	83° 11' 30.244" E	23° 25' 0.297" N
P-196	83° 11' 29.264" E	23° 24' 59.710" N
P-197	83° 11' 28.634" E	23° 24' 59.197" N
P-198	83° 11' 28.380" E	23° 24' 58.884" N
P-199	83° 11' 27.834" E	23° 24' 58.155" N
P-200	83° 11' 27.404" E	23° 24' 57.691" N
P-201	83° 11' 26.708" E	23° 24' 56.832" N
P-202	83° 11' 26.032" E	23° 24' 56.055" N
P-203	83° 11' 25.086" E	23° 24' 54.782" N
P-204	83° 11' 24.478" E	23° 24' 54.038" N
P-205	83° 11' 24.005" E	23° 24' 53.407" N
P-206	83° 11' 23.231" E	23° 24' 52.642" N
P-207	83° 11' 22.990" E	23° 24' 52.380" N
P-208	83° 11' 22.238" E	23° 24' 51.825" N
P-209	83° 11' 21.463" E	23° 24' 51.339" N
P-210	83° 11' 20.002" E	23° 24' 50.564" N
P-211	83° 11' 18.688" E	23° 24' 49.810" N
P-212	83° 11' 17.471" E	23° 24' 48.997" N
P-213	83° 11' 16.492" E	23° 24' 48.162" N
P-214	83° 11' 15.532" E	23° 24' 47.310" N
P-215	83° 11' 15.168" E	23° 24' 46.969" N
P-216	83° 11' 14.415" E	23° 24' 46.209" N
P-217	83° 11' 13.378" E	23° 24' 44.997" N
P-218	83° 11' 12.334" E	23° 24' 43.760" N
P-219	83° 11' 11.765" E	23° 24' 43.114" N
P-220	83° 11' 10.986" E	23° 24' 42.085" N
P-221	83° 11' 10.300" E	23° 24' 41.155" N
P-222	83° 11' 9.900" E	23° 24' 40.647" N
P-223	83° 11' 8.906" E	23° 24' 39.360" N
P-224	83° 11' 8.122" E	23° 24' 38.274" N
P-225	83° 11' 7.377" E	23° 24' 37.254" N
P-226	83° 11' 6.938" E	23° 24' 36.661" N
P-227	83° 11' 6.279" E	23° 24' 35.536" N
P-228	83° 11' 5.474" E	23° 24' 34.238" N
P-229	83° 11' 4.913" E	23° 24' 33.318" N
P-230	83° 11' 4.583" E	23° 24' 32.773" N
P-231	83° 11' 3.925" E	23° 24' 31.431" N
P-232	83° 11' 3.484" E	23° 24' 30.474" N
P-233	83° 11' 3.318" E	23° 24' 29.763" N
P-234	83° 11' 3.086" E	23° 24' 28.761" N
P-235	83° 11' 2.816" E	23° 24' 27.698" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-236	83° 11' 2.743" E	23° 24' 26.544" N
P-237	83° 11' 2.605" E	23° 24' 24.946" N
P-238	83° 11' 2.530" E	23° 24' 24.227" N
P-239	83° 11' 2.439" E	23° 24' 24.006" N
P-240	83° 11' 2.186" E	23° 24' 23.548" N
P-241	83° 11' 1.562" E	23° 24' 22.848" N
P-242	83° 11' 0.764" E	23° 24' 22.193" N
P-243	83° 10' 59.870" E	23° 24' 21.516" N
P-244	83° 10' 59.312" E	23° 24' 21.115" N
P-245	83° 10' 58.741" E	23° 24' 20.718" N
P-246	83° 10' 58.211" E	23° 24' 20.109" N
P-247	83° 10' 57.938" E	23° 24' 19.547" N
P-248	83° 10' 57.500" E	23° 24' 18.752" N
P-249	83° 10' 56.870" E	23° 24' 17.539" N
P-250	83° 10' 56.578" E	23° 24' 16.568" N
P-251	83° 10' 56.385" E	23° 24' 16.196" N
P-252	83° 10' 55.528" E	23° 24' 14.651" N
P-253	83° 10' 54.906" E	23° 24' 13.554" N
P-254	83° 10' 54.300" E	23° 24' 12.611" N
P-255	83° 10' 53.560" E	23° 24' 11.491" N
P-256	83° 10' 52.556" E	23° 24' 10.179" N
P-257	83° 10' 51.922" E	23° 24' 9.439" N
P-258	83° 10' 50.785" E	23° 24' 7.942" N
P-259	83° 10' 50.096" E	23° 24' 7.214" N
P-260	83° 10' 49.459" E	23° 24' 6.603" N
P-261	83° 10' 48.839" E	23° 24' 5.774" N
P-262	83° 10' 48.293" E	23° 24' 5.314" N
P-263	83° 10' 47.181" E	23° 24' 4.348" N
P-264	83° 10' 45.415" E	23° 24' 2.974" N
P-265	83° 10' 44.577" E	23° 24' 2.165" N
P-266	83° 10' 43.176" E	23° 24' 0.880" N
P-267	83° 10' 42.262" E	23° 23' 59.899" N
P-268	83° 10' 41.176" E	23° 23' 58.708" N
P-269	83° 10' 40.865" E	23° 23' 58.328" N
P-270	83° 10' 39.991" E	23° 23' 57.157" N
P-271	83° 10' 39.252" E	23° 23' 56.221" N
P-272	83° 10' 37.956" E	23° 23' 54.496" N
P-273	83° 10' 37.115" E	23° 23' 53.366" N
P-274	83° 10' 36.542" E	23° 23' 52.434" N
P-275	83° 10' 35.773" E	23° 23' 51.181" N
P-276	83° 10' 34.746" E	23° 23' 49.288" N
P-277	83° 10' 34.075" E	23° 23' 48.069" N
P-278	83° 10' 33.189" E	23° 23' 46.393" N
P-279	83° 10' 29.584" E	23° 23' 46.642" N
P-280	83° 10' 25.979" E	23° 23' 46.891" N
P-281	83° 10' 22.374" E	23° 23' 47.140" N
P-282	83° 10' 18.770" E	23° 23' 47.389" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-283	83° 10' 15.165" E	23° 23' 47.637" N
P-284	83° 10' 11.560" E	23° 23' 47.886" N
P-285	83° 10' 7.955" E	23° 23' 48.135" N
P-286	83° 10' 4.351" E	23° 23' 48.384" N
P-287	83° 10' 0.746" E	23° 23' 48.632" N
P-288	83° 9' 57.141" E	23° 23' 48.881" N
P-289	83° 9' 53.537" E	23° 23' 49.130" N
P-290	83° 9' 49.932" E	23° 23' 49.378" N
P-291	83° 9' 46.327" E	23° 23' 49.627" N
P-292	83° 9' 42.722" E	23° 23' 49.876" N
P-293	83° 9' 38.937" E	23° 23' 49.951" N
P-294	83° 9' 35.151" E	23° 23' 50.026" N
P-295	83° 9' 31.366" E	23° 23' 50.102" N
P-296	83° 9' 27.581" E	23° 23' 50.177" N
P-297	83° 9' 23.795" E	23° 23' 50.252" N
P-298	83° 9' 20.010" E	23° 23' 50.327" N
P-299	83° 9' 16.426" E	23° 23' 50.608" N
P-300	83° 9' 12.842" E	23° 23' 50.889" N
P-301	83° 9' 9.258" E	23° 23' 51.170" N
P-302	83° 9' 5.674" E	23° 23' 51.451" N
P-303	83° 9' 2.090" E	23° 23' 51.732" N
P-304	83° 8' 58.506" E	23° 23' 52.013" N
P-305	83° 8' 54.922" E	23° 23' 52.294" N
P-306	83° 8' 51.338" E	23° 23' 52.575" N
P-307	83° 8' 47.754" E	23° 23' 52.856" N
P-308	83° 8' 44.170" E	23° 23' 53.137" N
P-309	83° 8' 40.586" E	23° 23' 53.418" N
P-310	83° 8' 37.003" E	23° 23' 53.698" N
P-311	83° 8' 33.419" E	23° 23' 53.979" N
P-312	83° 8' 29.835" E	23° 23' 54.260" N
P-313	83° 8' 26.251" E	23° 23' 54.541" N
P-314	83° 8' 22.667" E	23° 23' 54.821" N
P-315	83° 8' 19.083" E	23° 23' 55.102" N
P-316	83° 8' 15.499" E	23° 23' 55.383" N
P-317	83° 8' 11.915" E	23° 23' 55.663" N
P-318	83° 8' 8.331" E	23° 23' 55.944" N
P-319	83° 8' 4.747" E	23° 23' 56.225" N
P-320	83° 8' 1.163" E	23° 23' 56.505" N
P-321	83° 7' 57.579" E	23° 23' 56.786" N
P-322	83° 7' 53.995" E	23° 23' 57.066" N
P-323	83° 7' 50.411" E	23° 23' 57.347" N
P-324	83° 7' 46.827" E	23° 23' 57.627" N
P-325	83° 7' 43.243" E	23° 23' 57.908" N
P-326	83° 7' 39.659" E	23° 23' 58.188" N
P-327	83° 7' 36.075" E	23° 23' 58.469" N
P-328	83° 7' 32.491" E	23° 23' 58.749" N
P-329	83° 7' 28.937" E	23° 23' 58.904" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-330	83° 7' 25.384" E	23° 23' 59.058" N
P-331	83° 7' 21.831" E	23° 23' 59.212" N
P-332	83° 7' 18.750" E	23° 23' 59.346" N
P-333	83° 7' 18.277" E	23° 23' 59.367" N
P-334	83° 7' 15.187" E	23° 23' 59.501" N
P-335	83° 7' 14.724" E	23° 23' 59.521" N
P-336	83° 7' 11.624" E	23° 23' 59.656" N
P-337	83° 7' 11.170" E	23° 23' 59.676" N
P-338	83° 7' 8.061" E	23° 23' 59.811" N
P-339	83° 7' 7.617" E	23° 23' 59.830" N
P-340	83° 7' 4.497" E	23° 23' 59.965" N
P-341	83° 7' 4.064" E	23° 23' 59.984" N
P-342	83° 7' 0.934" E	23° 24' 0.120" N
P-343	83° 7' 0.510" E	23° 24' 0.139" N
P-344	83° 6' 57.371" E	23° 24' 0.275" N
P-345	83° 6' 56.957" E	23° 24' 0.293" N
P-346	83° 6' 53.808" E	23° 24' 0.430" N
P-347	83° 6' 53.404" E	23° 24' 0.447" N
P-348	83° 6' 50.245" E	23° 24' 0.584" N
P-349	83° 6' 49.850" E	23° 24' 0.601" N
P-350	83° 6' 46.681" E	23° 24' 0.739" N
P-351	83° 6' 46.297" E	23° 24' 0.756" N
P-352	83° 6' 43.118" E	23° 24' 0.893" N
P-353	83° 6' 42.743" E	23° 24' 0.910" N
P-354	83° 6' 39.555" E	23° 24' 1.048" N
P-355	83° 6' 39.190" E	23° 24' 1.064" N
P-356	83° 6' 35.992" E	23° 24' 1.203" N
P-357	83° 6' 35.637" E	23° 24' 1.218" N
P-358	83° 6' 32.428" E	23° 24' 1.357" N
P-359	83° 6' 32.083" E	23° 24' 1.372" N
P-360	83° 6' 28.865" E	23° 24' 1.512" N
P-361	83° 6' 28.530" E	23° 24' 1.526" N
P-362	83° 6' 25.302" E	23° 24' 1.666" N
P-363	83° 6' 24.976" E	23° 24' 1.680" N
P-364	83° 6' 21.739" E	23° 24' 1.821" N
P-365	83° 6' 21.423" E	23° 24' 1.834" N
P-366	83° 6' 18.175" E	23° 24' 1.975" N
P-367	83° 6' 17.870" E	23° 24' 1.988" N
P-368	83° 6' 14.612" E	23° 24' 2.130" N
P-369	83° 6' 14.316" E	23° 24' 2.143" N
P-370	83° 6' 11.049" E	23° 24' 2.284" N
P-371	83° 6' 10.763" E	23° 24' 2.297" N
P-372	83° 6' 7.486" E	23° 24' 2.439" N
P-373	83° 6' 7.209" E	23° 24' 2.450" N
P-374	83° 6' 3.922" E	23° 24' 2.593" N
P-375	83° 6' 3.656" E	23° 24' 2.604" N
P-376	83° 6' 0.359" E	23° 24' 2.747" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-377	83° 6' 0.103" E	23° 24' 2.758" N
P-378	83° 5' 56.796" E	23° 24' 2.902" N
P-379	83° 5' 56.549" E	23° 24' 2.912" N
P-380	83° 5' 53.232" E	23° 24' 3.056" N
P-381	83° 5' 52.996" E	23° 24' 3.066" N
P-382	83° 5' 49.669" E	23° 24' 3.210" N
P-383	83° 5' 49.442" E	23° 24' 3.220" N
P-384	83° 5' 46.106" E	23° 24' 3.364" N
P-385	83° 5' 45.889" E	23° 24' 3.374" N
P-386	83° 5' 42.543" E	23° 24' 3.519" N
P-387	83° 5' 42.336" E	23° 24' 3.528" N
P-388	83° 5' 38.979" E	23° 24' 3.673" N
P-389	83° 5' 38.782" E	23° 24' 3.681" N
P-390	83° 5' 35.416" E	23° 24' 3.827" N
P-391	83° 5' 35.229" E	23° 24' 3.835" N
P-392	83° 5' 31.853" E	23° 24' 3.981" N
P-393	83° 5' 31.675" E	23° 24' 3.989" N
P-394	83° 5' 28.289" E	23° 24' 4.135" N
P-395	83° 5' 28.122" E	23° 24' 4.143" N
P-396	83° 5' 24.726" E	23° 24' 4.290" N
P-397	83° 5' 24.568" E	23° 24' 4.296" N
P-398	83° 5' 21.163" E	23° 24' 4.444" N
P-399	83° 5' 21.015" E	23° 24' 4.450" N
P-400	83° 5' 17.600" E	23° 24' 4.598" N
P-401	83° 5' 17.462" E	23° 24' 4.604" N
P-402	83° 5' 14.036" E	23° 24' 4.752" N
P-403	83° 5' 13.908" E	23° 24' 4.757" N
P-404	83° 5' 10.473" E	23° 24' 4.906" N
P-405	83° 5' 10.355" E	23° 24' 4.911" N
P-406	83° 5' 6.910" E	23° 24' 5.060" N
P-407	83° 5' 6.801" E	23° 24' 5.065" N
P-408	83° 5' 3.346" E	23° 24' 5.214" N
P-409	83° 5' 3.248" E	23° 24' 5.218" N
P-410	83° 4' 59.783" E	23° 24' 5.368" N
P-411	83° 4' 59.694" E	23° 24' 5.372" N
P-412	83° 4' 56.220" E	23° 24' 5.522" N
P-413	83° 4' 56.141" E	23° 24' 5.525" N
P-414	83° 4' 52.656" E	23° 24' 5.676" N
P-415	83° 4' 52.587" E	23° 24' 5.679" N
P-416	83° 4' 49.093" E	23° 24' 5.830" N
P-417	83° 4' 49.034" E	23° 24' 5.832" N
P-418	83° 4' 45.530" E	23° 24' 5.984" N
P-419	83° 4' 45.481" E	23° 24' 5.986" N
P-420	83° 4' 41.967" E	23° 24' 6.138" N
P-421	83° 4' 41.927" E	23° 24' 6.139" N
P-422	83° 4' 38.403" E	23° 24' 6.291" N
P-423	83° 4' 38.374" E	23° 24' 6.293" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-424	83° 4' 34.840" E	23° 24' 6.445" N
P-425	83° 4' 34.820" E	23° 24' 6.446" N
P-426	83° 4' 31.277" E	23° 24' 6.599" N
P-427	83° 4' 31.267" E	23° 24' 6.599" N
P-428	83° 4' 27.713" E	23° 24' 6.753" N
P-429	83° 4' 24.153" E	23° 24' 6.369" N
P-430	83° 4' 23.619" E	23° 24' 6.312" N
P-431	83° 4' 20.592" E	23° 24' 5.985" N
P-432	83° 4' 19.524" E	23° 24' 5.870" N
P-433	83° 4' 16.876" E	23° 24' 8.787" N
P-434	83° 4' 14.228" E	23° 24' 11.705" N
P-435	83° 4' 11.579" E	23° 24' 14.622" N
P-436	83° 4' 8.931" E	23° 24' 17.539" N
P-437	83° 4' 6.282" E	23° 24' 20.456" N
P-438	83° 4' 3.922" E	23° 24' 22.969" N
P-439	83° 4' 1.561" E	23° 24' 25.482" N
P-440	83° 3' 59.200" E	23° 24' 27.995" N
P-441	83° 3' 56.839" E	23° 24' 30.508" N
P-442	83° 3' 54.478" E	23° 24' 33.021" N
P-443	83° 3' 52.117" E	23° 24' 35.534" N
P-444	83° 3' 48.159" E	23° 24' 40.782" N
P-445	83° 3' 46.729" E	23° 24' 43.976" N
P-446	83° 3' 45.433" E	23° 24' 47.272" N
P-447	83° 3' 45.297" E	23° 24' 49.899" N
P-448	83° 3' 45.422" E	23° 24' 52.399" N
P-449	83° 3' 45.999" E	23° 24' 54.328" N
P-450	83° 3' 47.395" E	23° 24' 57.096" N
P-451	83° 3' 50.158" E	23° 25' 0.025" N
P-452	83° 3' 52.397" E	23° 25' 0.907" N
P-453	83° 3' 54.721" E	23° 25' 1.736" N
P-454	83° 3' 56.412" E	23° 25' 2.262" N
P-455	83° 3' 57.794" E	23° 25' 2.450" N
P-456	83° 4' 2.978" E	23° 25' 3.104" N
P-457	83° 4' 5.945" E	23° 25' 3.468" N
P-458	83° 4' 9.456" E	23° 25' 3.041" N
P-459	83° 4' 13.373" E	23° 25' 2.163" N
P-460	83° 4' 19.510" E	23° 25' 0.848" N
P-461	83° 4' 23.218" E	23° 25' 0.056" N
P-462	83° 4' 26.927" E	23° 24' 59.263" N
P-463	83° 4' 33.013" E	23° 24' 58.499" N
P-464	83° 4' 39.758" E	23° 24' 58.064" N
P-465	83° 4' 43.969" E	23° 24' 58.455" N
P-466	83° 4' 49.942" E	23° 24' 59.535" N
P-467	83° 4' 56.320" E	23° 25' 1.470" N
P-468	83° 5' 0.906" E	23° 25' 2.607" N
P-469	83° 5' 3.824" E	23° 25' 3.896" N
P-470	83° 5' 5.430" E	23° 25' 5.308" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-471	83° 5' 5.934" E	23° 25' 6.929" N
P-472	83° 5' 5.943" E	23° 25' 7.769" N
P-473	83° 5' 5.396" E	23° 25' 9.252" N
P-474	83° 5' 4.366" E	23° 25' 11.446" N
P-475	83° 5' 4.477" E	23° 25' 12.547" N
P-476	83° 5' 5.068" E	23° 25' 13.486" N
P-477	83° 5' 6.608" E	23° 25' 15.421" N
P-478	83° 5' 7.948" E	23° 25' 19.699" N
P-479	83° 5' 8.323" E	23° 25' 26.029" N
P-480	83° 5' 7.947" E	23° 25' 28.723" N
P-481	83° 5' 7.398" E	23° 25' 30.370" N
P-482	83° 5' 4.575" E	23° 25' 32.578" N
P-483	83° 5' 1.780" E	23° 25' 35.368" N
P-484	83° 4' 58.984" E	23° 25' 38.158" N
P-485	83° 4' 55.742" E	23° 25' 40.793" N
P-486	83° 4' 52.499" E	23° 25' 43.429" N
P-487	83° 4' 49.708" E	23° 25' 45.559" N
P-488	83° 4' 46.917" E	23° 25' 47.688" N
P-489	83° 4' 43.958" E	23° 25' 52.513" N
P-490	83° 4' 43.756" E	23° 25' 55.868" N
P-491	83° 4' 44.041" E	23° 25' 58.046" N
P-492	83° 4' 44.378" E	23° 26' 1.129" N
P-493	83° 4' 45.425" E	23° 26' 5.151" N
P-494	83° 4' 46.894" E	23° 26' 8.681" N
P-495	83° 4' 48.546" E	23° 26' 11.717" N
P-496	83° 4' 52.045" E	23° 26' 12.318" N
P-497	83° 4' 55.544" E	23° 26' 12.919" N
P-498	83° 4' 59.043" E	23° 26' 13.519" N
P-499	83° 5' 2.542" E	23° 26' 14.120" N
P-500	83° 5' 6.041" E	23° 26' 14.721" N
P-501	83° 5' 9.540" E	23° 26' 15.321" N
P-502	83° 5' 13.040" E	23° 26' 15.922" N
P-503	83° 5' 16.539" E	23° 26' 16.523" N
P-504	83° 5' 20.038" E	23° 26' 17.123" N
P-505	83° 5' 23.626" E	23° 26' 17.844" N
P-506	83° 5' 27.214" E	23° 26' 18.565" N
P-507	83° 5' 30.803" E	23° 26' 19.286" N
P-508	83° 5' 34.391" E	23° 26' 20.007" N
P-509	83° 5' 37.979" E	23° 26' 20.728" N
P-510	83° 5' 41.568" E	23° 26' 21.449" N
P-511	83° 5' 45.134" E	23° 26' 22.146" N
P-512	83° 5' 48.701" E	23° 26' 22.843" N
P-513	83° 5' 52.267" E	23° 26' 23.540" N
P-514	83° 5' 55.834" E	23° 26' 24.237" N
P-515	83° 5' 59.401" E	23° 26' 24.934" N
P-516	83° 6' 2.967" E	23° 26' 25.631" N
P-517	83° 6' 7.294" E	23° 26' 26.469" N

Provisional Cardinal Points for DHARAMPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-518	83° 6' 11.620" E	23° 26' 27.307" N
P-519	83° 6' 15.947" E	23° 26' 28.145" N
P-520	83° 6' 17.796" E	23° 26' 25.175" N
P-521	83° 6' 19.645" E	23° 26' 22.205" N
P-522	83° 6' 21.494" E	23° 26' 19.235" N
P-523	83° 6' 23.343" E	23° 26' 16.265" N
P-524	83° 6' 25.192" E	23° 26' 13.295" N
P-525	83° 6' 27.041" E	23° 26' 10.325" N
P-526	83° 6' 28.890" E	23° 26' 7.356" N
P-527	83° 6' 30.739" E	23° 26' 4.386" N
P-528	83° 6' 32.588" E	23° 26' 1.416" N
P-529	83° 6' 34.437" E	23° 25' 58.446" N
P-530	83° 6' 36.286" E	23° 25' 55.476" N