GARE PALMA – IV/1 COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details
1.	**Location**	
	Coal Block	**GARE PALMA – IV/1**
	Latitude	22° 05' 26" - 22° 08' 04" (Provisional)
	Longitude	83° 31' 33" - 83° 34' 05" (Provisional)
	Topo Sheet No.	64 N/12
	Coalfield	Mand Raigarh
	Villages	Nagaramuda,Tapranga, Dongamahua,Dhaurabanta,Janjgir and Amgaon
	Tehsil/Taluka	Ghargoda
	District	Raigarh
	State	Chhattisgarh
2.	**Connectivity with Block**	
	Nearest Rail Head	Raigarh, the nearest district town which is situated on the South Eastern railway and is about 54 km from the block.
	Road	Raigarh, the nearest district town which is situated on the South Eastern railway and is about 54 km from the block. The block can be approached from Raigarh through the Ambikapur State Highway upto Tamnar town. A fair weather road from Tamnar leads to the block through Khudarikhar and Dhaurabhanta.
	Airport	Raipur, 300km
3.	**Area**	
	Geological Block Area	8.35 Sq. km (As per GR 2006) and 10.15 sq.km as per Shape file [Refer Note No. 3]
	Forest Area	Approx. 5 % (As per FSI Toposheet)
	Non-Forest Area	Approx. 95 % (As per FSI Toposheet)
4.	**Climate and Topography**	
	Average Annual Rainfall	1315 mm
	Temperature (Min. — Max.)	5°C-48°C
	Local Surface Drainage Channels	There is small ephemeral nala which flows northerly from the south of the block and joins Bendra Nala which enters the block from the north-eastern corner and drains the north central part of the block before leaving the block towards the north. There is small dam on this nala in the northern part of the block. This nala is the drainage channel in the block which later on discharges into the Kelo River, the main drainage channel of the area. There are a few small ponds towards the south and north of the block.
	Rivers	Kelo River
5.	**Exploration**	
	Status	Explored
	Exploration Agency	GIEM (India) Consortium for Jindal Strips Ltd., July 1997 & GR for Lower Seams in Sub Block IV/1 and All Seams in Extended area, Oct'2006

	Total Number of Boreholes with meterage	75 Boreholes; 7508.05 m
	Borehole Density	Approx. 8.98 Boreholes/sq.km.
	General Dip of Seams	3°-5° southerly
	General Strike Direction	N55°W-S55°E in North Western part, N60°W-S60°E in Central part, N65°W-S65°E in North Eastern part

6. Coal Seams & Reserve

Number of Coal Seams	Thickness Range (m)	Depth Range (m) (Floor)	Total Reserves (Mt) considered for		Total Reserves (Mt)	Grade
			OC	UG		
X	2.39-2.83	10.67-50.00	9.015		9.015	F – G
XA	1.31-2.42	9.18-60.50	9.044		9.044	F – G
IX L2	0.44-1.26					
IX L1	0.48-1.39					
IX Top	0.65-1.28					
IX	4.29-10.74	4.00-93.45	47.155		47.155	F – G
VIII	0.85-6.20	4.48-111.24	28.780		28.780	F – G
VII Top	0.46-1.65	9.38-120.93	7.546		7.546	F – G
VII Mid	0.57-11.59	12.30-125.55	30.254		30.254	F – G
VII Bot	0.48-2.69	15.00-119.70	1.531		1.531	F – G
VI	0.29-1.49					
V T	0.25-0.76					
V B	0.54-0.75					
IV L	0.44-1.90					
IV	0.23-1.76			8.619	8.619	E – G
III L2	0.49-0.84					
III L1	0.68-0.80					
III	1.10-1.92			17.501	17.501	D – F
	Total		**133.324**	**26.120**	**159.444**	
	Grand Total		**159.444**			

7.	**Surface Constraints**	NA

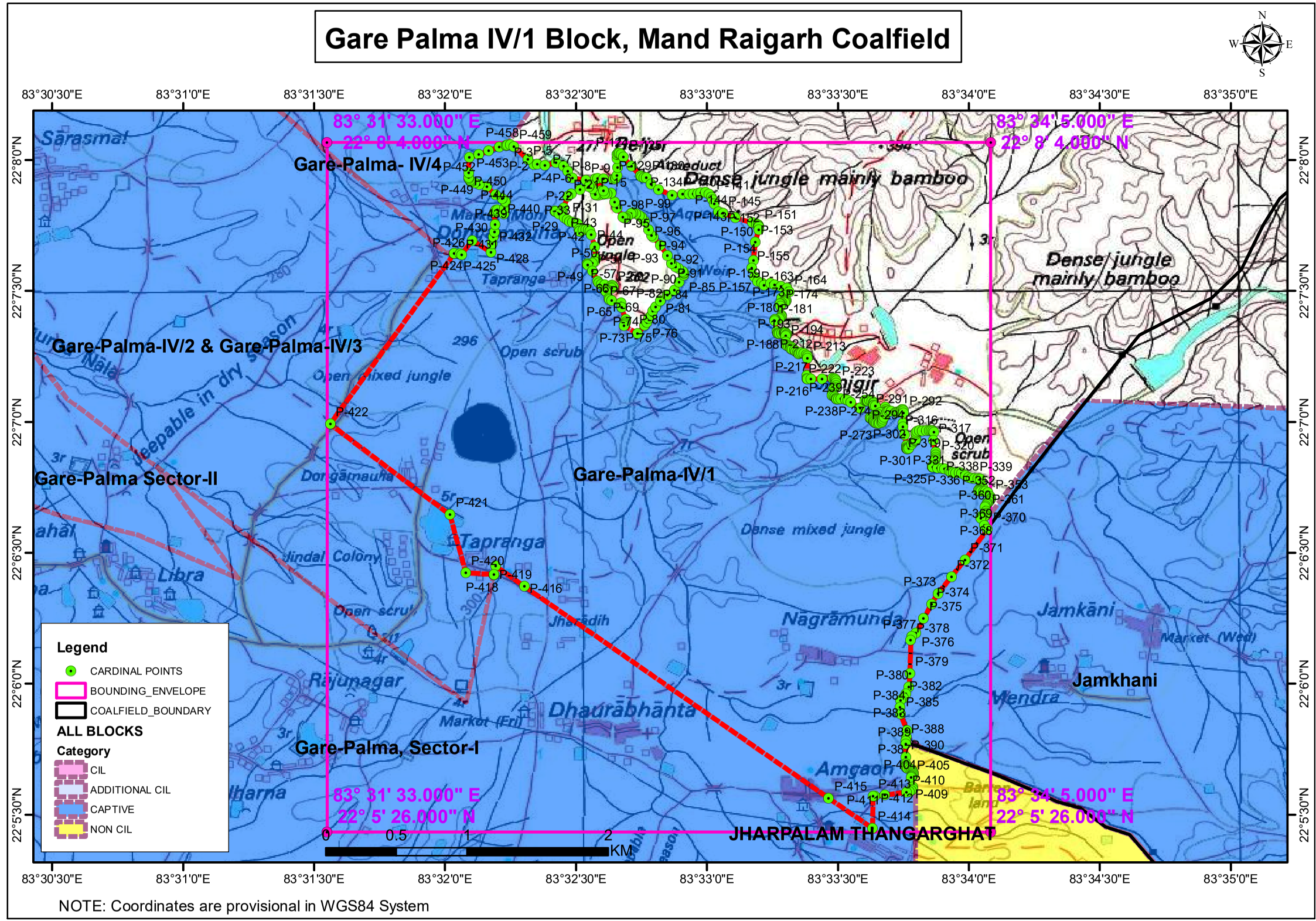
PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name of Allocatee	M/s. Jindal Steel & Power Ltd.
	Address	M/s. Jindal Steel & Power Ltd. Post Box. No.16 Kharsia Road Raigarh Chhattisgarh
2.	**Status of Mineral Exploitation**	
	Method of Mining	Opencast Mining
	Coal Extracted	64.595 MT till 31.03.2014 (as per Letter No. JSPL/Coal Mines/2014-15/I.V. MOC/001; Dated: 25.11.2014)
	Mine Plan Extraction Rate	6 MTPA
3.	**Status of Clearances/Approvals**	
	Mining Plan(Reference to Grant)	No.13016/5/2004-CA-I dated 16.05.2008
	Forest Clearance(Reference to Grant)	Obtained vide Letter No. 8-60/2009-FC; dated: 02.02.2011
	Environmental Clearance(Reference to Grant)	No. J-11015/81/2008-IA.II(M); dated: 21-05-2012
	Mining Lease (Reference to Grant)	No. 3-174/96/12/2 dt. 23/09/97 Lease deed on 19/12/1997
	Land Required	978.67 Ha, as per EC
	Land Acquired	744.03 Ha (as per Letter No. JSPL/Coal Mines/2014-15/I.V. MOC/001; Dated: 25.11.2014)

Note:

1. The above data is compiled from Geological Report, Mining Plan, Mine Closure Plan, Environmental Clearance and Forest Clearance and the data furnished by the prior allottee.
2. 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 [based on feature mapped plan of the block (10.15 sq.km)] and GR got prepared by the prior allottee M/s Jindal Steel & Power Ltd. in Oct 2006 (8.35 sq.km). This is as per notice No. 104/28/2015/NA dated 13.10.2015 issued by the Nominated Authority regarding settlement of boundary in Gare Palma Sector.

Gare Palma IV/1 Block, Mand Raigarh Coalfield



NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	83° 32' 18.897" E	22° 8' 0.127" N
P-2	83° 32' 20.290" E	22° 7' 58.893" N
P-3	83° 32' 21.144" E	22° 7' 59.013" N
P-4	83° 32' 22.850" E	22° 7' 58.730" N
P-5	83° 32' 25.397" E	22° 7' 59.361" N
P-6	83° 32' 27.105" E	22° 7' 58.571" N
P-7	83° 32' 28.151" E	22° 7' 57.382" N
P-8	83° 32' 29.191" E	22° 7' 55.801" N
P-9	83° 32' 32.258" E	22° 7' 55.328" N
P-10	83° 32' 34.399" E	22° 7' 55.641" N
P-11	83° 32' 35.757" E	22° 7' 52.928" N
P-12	83° 32' 36.120" E	22° 7' 52.074" N
P-13	83° 32' 35.230" E	22° 7' 51.890" N
P-14	83° 32' 34.672" E	22° 7' 51.933" N
P-15	83° 32' 34.401" E	22° 7' 52.055" N
P-16	83° 32' 33.691" E	22° 7' 53.414" N
P-17	83° 32' 33.218" E	22° 7' 54.299" N
P-18	83° 32' 32.932" E	22° 7' 53.873" N
P-19	83° 32' 30.871" E	22° 7' 53.138" N
P-20	83° 32' 28.870" E	22° 7' 52.266" N
P-21	83° 32' 28.156" E	22° 7' 51.592" N
P-22	83° 32' 27.061" E	22° 7' 48.937" N
P-23	83° 32' 26.800" E	22° 7' 48.061" N
P-24	83° 32' 26.529" E	22° 7' 47.760" N
P-25	83° 32' 26.039" E	22° 7' 47.831" N
P-26	83° 32' 25.218" E	22° 7' 48.256" N
P-27	83° 32' 25.136" E	22° 7' 48.271" N
P-28	83° 32' 25.238" E	22° 7' 48.215" N
P-29	83° 32' 26.176" E	22° 7' 47.588" N
P-30	83° 32' 27.270" E	22° 7' 46.747" N
P-31	83° 32' 27.917" E	22° 7' 46.337" N
P-32	83° 32' 28.558" E	22° 7' 45.896" N
P-33	83° 32' 29.189" E	22° 7' 45.713" N
P-34	83° 32' 30.085" E	22° 7' 45.472" N
P-35	83° 32' 30.468" E	22° 7' 45.253" N
P-36	83° 32' 30.663" E	22° 7' 44.096" N
P-37	83° 32' 30.735" E	22° 7' 43.679" N
P-38	83° 32' 30.774" E	22° 7' 43.671" N
P-39	83° 32' 31.532" E	22° 7' 43.940" N
P-40	83° 32' 32.201" E	22° 7' 44.070" N
P-41	83° 32' 32.827" E	22° 7' 43.980" N
P-42	83° 32' 33.168" E	22° 7' 43.621" N
P-43	83° 32' 33.510" E	22° 7' 42.891" N
P-44	83° 32' 34.302" E	22° 7' 39.998" N
P-45	83° 32' 34.490" E	22° 7' 37.370" N
P-46	83° 32' 34.305" E	22° 7' 36.728" N
P-47	83° 32' 33.705" E	22° 7' 36.355" N
P-48	83° 32' 32.575" E	22° 7' 36.201" N
P-49	83° 32' 32.503" E	22° 7' 36.077" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-50	83° 32' 32.679" E	22° 7' 35.893" N
P-51	83° 32' 33.712" E	22° 7' 34.511" N
P-52	83° 32' 35.014" E	22° 7' 32.241" N
P-53	83° 32' 35.221" E	22° 7' 31.805" N
P-54	83° 32' 35.743" E	22° 7' 31.446" N
P-55	83° 32' 36.488" E	22° 7' 31.411" N
P-56	83° 32' 38.135" E	22° 7' 31.322" N
P-57	83° 32' 38.442" E	22° 7' 31.224" N
P-58	83° 32' 38.476" E	22° 7' 30.882" N
P-59	83° 32' 38.193" E	22° 7' 30.599" N
P-60	83° 32' 37.151" E	22° 7' 30.293" N
P-61	83° 32' 36.812" E	22° 7' 30.161" N
P-62	83° 32' 36.741" E	22° 7' 30.078" N
P-63	83° 32' 36.774" E	22° 7' 29.926" N
P-64	83° 32' 37.452" E	22° 7' 28.250" N
P-65	83° 32' 37.587" E	22° 7' 28.000" N
P-66	83° 32' 38.186" E	22° 7' 27.762" N
P-67	83° 32' 40.276" E	22° 7' 27.235" N
P-68	83° 32' 40.453" E	22° 7' 26.251" N
P-69	83° 32' 41.303" E	22° 7' 23.432" N
P-70	83° 32' 41.352" E	22° 7' 22.866" N
P-71	83° 32' 41.290" E	22° 7' 22.551" N
P-72	83° 32' 41.132" E	22° 7' 22.235" N
P-73	83° 32' 40.987" E	22° 7' 22.035" N
P-74	83° 32' 44.105" E	22° 7' 20.169" N
P-75	83° 32' 45.699" E	22° 7' 22.114" N
P-76	83° 32' 46.134" E	22° 7' 22.808" N
P-77	83° 32' 46.565" E	22° 7' 23.738" N
P-78	83° 32' 47.230" E	22° 7' 24.415" N
P-79	83° 32' 47.528" E	22° 7' 25.388" N
P-80	83° 32' 48.204" E	22° 7' 26.314" N
P-81	83° 32' 49.253" E	22° 7' 27.682" N
P-82	83° 32' 50.977" E	22° 7' 29.026" N
P-83	83° 32' 52.553" E	22° 7' 30.167" N
P-84	83° 32' 53.645" E	22° 7' 32.001" N
P-85	83° 32' 54.614" E	22° 7' 33.634" N
P-86	83° 32' 54.747" E	22° 7' 34.043" N
P-87	83° 32' 54.732" E	22° 7' 34.231" N
P-88	83° 32' 54.353" E	22° 7' 34.499" N
P-89	83° 32' 53.421" E	22° 7' 35.132" N
P-90	83° 32' 52.791" E	22° 7' 35.482" N
P-91	83° 32' 51.913" E	22° 7' 36.295" N
P-92	83° 32' 50.941" E	22° 7' 38.093" N
P-93	83° 32' 49.323" E	22° 7' 40.361" N
P-94	83° 32' 47.682" E	22° 7' 42.273" N
P-95	83° 32' 47.294" E	22° 7' 42.732" N
P-96	83° 32' 46.703" E	22° 7' 44.001" N
P-97	83° 32' 45.648" E	22° 7' 45.972" N
P-98	83° 32' 44.943" E	22° 7' 46.888" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-99	83° 32' 44.517" E	22° 7' 47.264" N
P-100	83° 32' 43.621" E	22° 7' 47.668" N
P-101	83° 32' 42.967" E	22° 7' 47.850" N
P-102	83° 32' 42.650" E	22° 7' 47.674" N
P-103	83° 32' 41.748" E	22° 7' 46.990" N
P-104	83° 32' 41.383" E	22° 7' 46.711" N
P-105	83° 32' 41.079" E	22° 7' 46.672" N
P-106	83° 32' 40.737" E	22° 7' 46.883" N
P-107	83° 32' 39.339" E	22° 7' 49.005" N
P-108	83° 32' 38.726" E	22° 7' 50.312" N
P-109	83° 32' 37.977" E	22° 7' 52.373" N
P-110	83° 32' 37.019" E	22° 7' 52.256" N
P-111	83° 32' 36.566" E	22° 7' 52.310" N
P-112	83° 32' 36.237" E	22° 7' 52.909" N
P-113	83° 32' 34.930" E	22° 7' 55.746" N
P-114	83° 32' 36.270" E	22° 7' 55.703" N
P-115	83° 32' 38.501" E	22° 7' 55.585" N
P-116	83° 32' 38.921" E	22° 7' 55.654" N
P-117	83° 32' 39.142" E	22° 7' 55.896" N
P-118	83° 32' 39.328" E	22° 7' 56.421" N
P-119	83° 32' 39.437" E	22° 7' 58.283" N
P-120	83° 32' 39.346" E	22° 8' 0.298" N
P-121	83° 32' 39.348" E	22° 8' 1.210" N
P-122	83° 32' 39.583" E	22° 8' 1.492" N
P-123	83° 32' 39.948" E	22° 8' 1.530" N
P-124	83° 32' 40.341" E	22° 8' 1.272" N
P-125	83° 32' 40.827" E	22° 8' 0.652" N
P-126	83° 32' 42.698" E	22° 7' 58.619" N
P-127	83° 32' 44.663" E	22° 7' 56.315" N
P-128	83° 32' 45.045" E	22° 7' 56.078" N
P-129	83° 32' 45.514" E	22° 7' 55.960" N
P-130	83° 32' 46.099" E	22° 7' 55.901" N
P-131	83° 32' 47.205" E	22° 7' 54.428" N
P-132	83° 32' 48.909" E	22° 7' 53.194" N
P-133	83° 32' 51.942" E	22° 7' 51.860" N
P-134	83° 32' 54.417" E	22° 7' 52.108" N
P-135	83° 32' 55.857" E	22° 7' 52.181" N
P-136	83° 32' 56.781" E	22° 7' 52.253" N
P-137	83° 32' 57.926" E	22° 7' 52.291" N
P-138	83° 32' 58.627" E	22° 7' 52.499" N
P-139	83° 32' 59.641" E	22° 7' 52.595" N
P-140	83° 33' 0.438" E	22° 7' 52.160" N
P-141	83° 33' 0.958" E	22° 7' 51.439" N
P-142	83° 33' 1.255" E	22° 7' 50.854" N
P-143	83° 33' 1.702" E	22° 7' 49.892" N
P-144	83° 33' 2.630" E	22° 7' 48.103" N
P-145	83° 33' 3.656" E	22° 7' 47.752" N
P-146	83° 33' 6.507" E	22° 7' 46.710" N
P-147	83° 33' 10.340" E	22° 7' 45.582" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-148	83° 33' 11.270" E	22° 7' 45.315" N
P-149	83° 33' 11.699" E	22° 7' 45.085" N
P-150	83° 33' 11.849" E	22° 7' 44.884" N
P-151	83° 33' 11.948" E	22° 7' 44.643" N
P-152	83° 33' 11.834" E	22° 7' 44.031" N
P-153	83° 33' 11.025" E	22° 7' 41.185" N
P-154	83° 33' 10.598" E	22° 7' 36.948" N
P-155	83° 33' 10.160" E	22° 7' 35.201" N
P-156	83° 33' 10.998" E	22° 7' 33.180" N
P-157	83° 33' 11.555" E	22° 7' 32.149" N
P-158	83° 33' 12.550" E	22° 7' 31.811" N
P-159	83° 33' 13.079" E	22° 7' 31.276" N
P-160	83° 33' 14.517" E	22° 7' 31.721" N
P-161	83° 33' 15.473" E	22° 7' 31.411" N
P-162	83° 33' 17.010" E	22° 7' 30.992" N
P-163	83° 33' 18.328" E	22° 7' 30.567" N
P-164	83° 33' 18.748" E	22° 7' 29.743" N
P-165	83° 33' 17.811" E	22° 7' 28.859" N
P-166	83° 33' 17.040" E	22° 7' 28.376" N
P-167	83° 33' 17.985" E	22° 7' 27.882" N
P-168	83° 33' 18.139" E	22° 7' 27.722" N
P-169	83° 33' 18.002" E	22° 7' 27.498" N
P-170	83° 33' 17.706" E	22° 7' 27.407" N
P-171	83° 33' 17.017" E	22° 7' 27.219" N
P-172	83° 33' 16.837" E	22° 7' 27.094" N
P-173	83° 33' 16.757" E	22° 7' 26.985" N
P-174	83° 33' 16.787" E	22° 7' 26.512" N
P-175	83° 33' 17.098" E	22° 7' 24.344" N
P-176	83° 33' 17.026" E	22° 7' 24.069" N
P-177	83° 33' 16.802" E	22° 7' 23.781" N
P-178	83° 33' 16.511" E	22° 7' 23.652" N
P-179	83° 33' 15.610" E	22° 7' 23.494" N
P-180	83° 33' 15.502" E	22° 7' 23.346" N
P-181	83° 33' 15.437" E	22° 7' 23.156" N
P-182	83° 33' 16.005" E	22° 7' 20.705" N
P-183	83° 33' 16.194" E	22° 7' 20.319" N
P-184	83° 33' 16.280" E	22° 7' 20.219" N
P-185	83° 33' 16.534" E	22° 7' 20.170" N
P-186	83° 33' 17.164" E	22° 7' 20.329" N
P-187	83° 33' 17.654" E	22° 7' 20.503" N
P-188	83° 33' 17.735" E	22° 7' 20.531" N
P-189	83° 33' 17.889" E	22° 7' 20.471" N
P-190	83° 33' 18.114" E	22° 7' 20.373" N
P-191	83° 33' 18.274" E	22° 7' 20.065" N
P-192	83° 33' 18.169" E	22° 7' 19.851" N
P-193	83° 33' 18.088" E	22° 7' 19.685" N
P-194	83° 33' 17.971" E	22° 7' 18.310" N
P-195	83° 33' 18.169" E	22° 7' 17.625" N
P-196	83° 33' 18.374" E	22° 7' 17.420" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-197	83° 33' 18.724" E	22° 7' 17.389" N
P-198	83° 33' 19.080" E	22° 7' 17.273" N
P-199	83° 33' 19.326" E	22° 7' 17.144" N
P-200	83° 33' 19.454" E	22° 7' 16.943" N
P-201	83° 33' 19.309" E	22° 7' 16.699" N
P-202	83° 33' 19.567" E	22° 7' 16.605" N
P-203	83° 33' 19.972" E	22° 7' 16.451" N
P-204	83° 33' 20.287" E	22° 7' 16.199" N
P-205	83° 33' 20.639" E	22° 7' 15.882" N
P-206	83° 33' 20.887" E	22° 7' 15.671" N
P-207	83° 33' 21.007" E	22° 7' 15.607" N
P-208	83° 33' 21.213" E	22° 7' 15.706" N
P-209	83° 33' 21.686" E	22° 7' 15.788" N
P-210	83° 33' 22.210" E	22° 7' 15.644" N
P-211	83° 33' 22.703" E	22° 7' 15.305" N
P-212	83° 33' 22.964" E	22° 7' 15.035" N
P-213	83° 33' 23.024" E	22° 7' 14.578" N
P-214	83° 33' 22.806" E	22° 7' 10.592" N
P-215	83° 33' 22.885" E	22° 7' 9.927" N
P-216	83° 33' 22.983" E	22° 7' 9.797" N
P-217	83° 33' 23.792" E	22° 7' 9.811" N
P-218	83° 33' 26.326" E	22° 7' 9.838" N
P-219	83° 33' 28.805" E	22° 7' 9.945" N
P-220	83° 33' 29.150" E	22° 7' 9.942" N
P-221	83° 33' 29.464" E	22° 7' 9.745" N
P-222	83° 33' 29.560" E	22° 7' 9.399" N
P-223	83° 33' 29.633" E	22° 7' 8.856" N
P-224	83° 33' 29.568" E	22° 7' 8.303" N
P-225	83° 33' 29.354" E	22° 7' 7.877" N
P-226	83° 33' 29.070" E	22° 7' 7.592" N
P-227	83° 33' 28.884" E	22° 7' 7.319" N
P-228	83° 33' 28.742" E	22° 7' 6.731" N
P-229	83° 33' 28.638" E	22° 7' 6.296" N
P-230	83° 33' 28.571" E	22° 7' 6.131" N
P-231	83° 33' 28.631" E	22° 7' 6.062" N
P-232	83° 33' 28.967" E	22° 7' 5.955" N
P-233	83° 33' 29.362" E	22° 7' 5.731" N
P-234	83° 33' 29.525" E	22° 7' 5.393" N
P-235	83° 33' 29.563" E	22° 7' 5.249" N
P-236	83° 33' 29.697" E	22° 7' 5.149" N
P-237	83° 33' 30.077" E	22° 7' 5.163" N
P-238	83° 33' 30.612" E	22° 7' 5.247" N
P-239	83° 33' 31.679" E	22° 7' 5.124" N
P-240	83° 33' 32.280" E	22° 7' 4.940" N
P-241	83° 33' 32.832" E	22° 7' 4.532" N
P-242	83° 33' 34.952" E	22° 7' 3.130" N
P-243	83° 33' 34.998" E	22° 7' 3.145" N
P-244	83° 33' 36.173" E	22° 7' 4.881" N
P-245	83° 33' 36.591" E	22° 7' 4.729" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-246	83° 33' 36.707" E	22° 7' 4.720" N
P-247	83° 33' 36.847" E	22° 7' 4.842" N
P-248	83° 33' 37.218" E	22° 7' 4.969" N
P-249	83° 33' 37.795" E	22° 7' 4.777" N
P-250	83° 33' 38.079" E	22° 7' 4.501" N
P-251	83° 33' 38.190" E	22° 7' 4.237" N
P-252	83° 33' 38.172" E	22° 7' 3.790" N
P-253	83° 33' 38.187" E	22° 7' 3.704" N
P-254	83° 33' 38.535" E	22° 7' 3.676" N
P-255	83° 33' 40.829" E	22° 7' 3.375" N
P-256	83° 33' 40.918" E	22° 7' 2.769" N
P-257	83° 33' 40.957" E	22° 7' 2.444" N
P-258	83° 33' 40.708" E	22° 7' 2.188" N
P-259	83° 33' 40.357" E	22° 7' 2.115" N
P-260	83° 33' 39.664" E	22° 7' 2.078" N
P-261	83° 33' 39.059" E	22° 7' 1.726" N
P-262	83° 33' 38.601" E	22° 7' 1.564" N
P-263	83° 33' 38.386" E	22° 7' 1.414" N
P-264	83° 33' 38.208" E	22° 7' 1.212" N
P-265	83° 33' 37.861" E	22° 7' 0.988" N
P-266	83° 33' 37.602" E	22° 7' 0.928" N
P-267	83° 33' 37.431" E	22° 7' 0.893" N
P-268	83° 33' 37.411" E	22° 7' 0.872" N
P-269	83° 33' 37.648" E	22° 7' 0.708" N
P-270	83° 33' 37.971" E	22° 7' 0.473" N
P-271	83° 33' 38.219" E	22° 7' 0.228" N
P-272	83° 33' 38.365" E	22° 6' 59.980" N
P-273	83° 33' 38.573" E	22° 6' 59.780" N
P-274	83° 33' 38.863" E	22° 6' 59.662" N
P-275	83° 33' 39.263" E	22° 6' 59.590" N
P-276	83° 33' 39.580" E	22° 6' 59.666" N
P-277	83° 33' 39.950" E	22° 6' 59.848" N
P-278	83° 33' 40.167" E	22° 7' 0.240" N
P-279	83° 33' 40.355" E	22° 7' 0.598" N
P-280	83° 33' 40.554" E	22° 7' 1.096" N
P-281	83° 33' 41.000" E	22° 7' 1.830" N
P-282	83° 33' 41.219" E	22° 7' 2.254" N
P-283	83° 33' 41.574" E	22° 7' 2.539" N
P-284	83° 33' 42.175" E	22° 7' 2.459" N
P-285	83° 33' 43.212" E	22° 7' 2.213" N
P-286	83° 33' 43.606" E	22° 7' 2.191" N
P-287	83° 33' 43.971" E	22° 7' 2.362" N
P-288	83° 33' 44.248" E	22° 7' 2.544" N
P-289	83° 33' 44.512" E	22° 7' 2.748" N
P-290	83° 33' 44.858" E	22° 7' 2.792" N
P-291	83° 33' 45.049" E	22° 7' 2.520" N
P-292	83° 33' 45.041" E	22° 7' 2.035" N
P-293	83° 33' 44.901" E	22° 6' 59.709" N
P-294	83° 33' 44.885" E	22° 6' 58.786" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-295	83° 33' 45.294" E	22° 6' 57.046" N
P-296	83° 33' 45.616" E	22° 6' 54.499" N
P-297	83° 33' 45.684" E	22° 6' 54.106" N
P-298	83° 33' 45.721" E	22° 6' 53.903" N
P-299	83° 33' 45.803" E	22° 6' 53.815" N
P-300	83° 33' 45.969" E	22° 6' 53.768" N
P-301	83° 33' 46.147" E	22° 6' 53.966" N
P-302	83° 33' 46.833" E	22° 6' 54.885" N
P-303	83° 33' 47.248" E	22° 6' 55.411" N
P-304	83° 33' 47.608" E	22° 6' 55.608" N
P-305	83° 33' 47.796" E	22° 6' 55.764" N
P-306	83° 33' 47.850" E	22° 6' 55.988" N
P-307	83° 33' 47.889" E	22° 6' 57.174" N
P-308	83° 33' 47.906" E	22° 6' 57.495" N
P-309	83° 33' 48.106" E	22° 6' 57.795" N
P-310	83° 33' 48.574" E	22° 6' 57.979" N
P-311	83° 33' 49.384" E	22° 6' 57.906" N
P-312	83° 33' 50.309" E	22° 6' 57.944" N
P-313	83° 33' 50.902" E	22° 6' 57.995" N
P-314	83° 33' 51.306" E	22° 6' 57.994" N
P-315	83° 33' 51.632" E	22° 6' 57.885" N
P-316	83° 33' 51.888" E	22° 6' 57.617" N
P-317	83° 33' 51.812" E	22° 6' 55.773" N
P-318	83° 33' 52.346" E	22° 6' 53.060" N
P-319	83° 33' 52.415" E	22° 6' 52.342" N
P-320	83° 33' 52.411" E	22° 6' 51.871" N
P-321	83° 33' 52.336" E	22° 6' 51.456" N
P-322	83° 33' 52.137" E	22° 6' 51.121" N
P-323	83° 33' 51.644" E	22° 6' 49.933" N
P-324	83° 33' 51.546" E	22° 6' 49.728" N
P-325	83° 33' 51.547" E	22° 6' 49.726" N
P-326	83° 33' 51.706" E	22° 6' 49.666" N
P-327	83° 33' 52.737" E	22° 6' 49.377" N
P-328	83° 33' 53.817" E	22° 6' 49.298" N
P-329	83° 33' 54.433" E	22° 6' 49.214" N
P-330	83° 33' 55.402" E	22° 6' 48.712" N
P-331	83° 33' 55.896" E	22° 6' 48.435" N
P-332	83° 33' 56.396" E	22° 6' 48.370" N
P-333	83° 33' 56.949" E	22° 6' 48.305" N
P-334	83° 33' 57.749" E	22° 6' 48.309" N
P-335	83° 33' 58.400" E	22° 6' 48.181" N
P-336	83° 33' 59.226" E	22° 6' 47.654" N
P-337	83° 33' 59.900" E	22° 6' 47.268" N
P-338	83° 34' 0.563" E	22° 6' 47.081" N
P-339	83° 34' 1.162" E	22° 6' 47.008" N
P-340	83° 34' 2.030" E	22° 6' 46.964" N
P-341	83° 34' 2.593" E	22° 6' 46.856" N
P-342	83° 34' 3.144" E	22° 6' 45.055" N
P-343	83° 34' 2.647" E	22° 6' 44.767" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-344	83° 34' 2.442" E	22° 6' 44.633" N
P-345	83° 34' 2.290" E	22° 6' 44.407" N
P-346	83° 34' 2.235" E	22° 6' 44.274" N
P-347	83° 34' 2.252" E	22° 6' 44.224" N
P-348	83° 34' 2.362" E	22° 6' 44.141" N
P-349	83° 34' 2.761" E	22° 6' 44.091" N
P-350	83° 34' 3.470" E	22° 6' 44.093" N
P-351	83° 34' 3.851" E	22° 6' 44.095" N
P-352	83° 34' 4.278" E	22° 6' 43.785" N
P-353	83° 34' 4.874" E	22° 6' 42.837" N
P-354	83° 34' 4.993" E	22° 6' 42.429" N
P-355	83° 34' 4.853" E	22° 6' 42.184" N
P-356	83° 34' 4.532" E	22° 6' 41.746" N
P-357	83° 34' 4.186" E	22° 6' 41.353" N
P-358	83° 34' 3.998" E	22° 6' 41.096" N
P-359	83° 34' 3.770" E	22° 6' 40.686" N
P-360	83° 34' 3.699" E	22° 6' 40.473" N
P-361	83° 34' 3.985" E	22° 6' 39.523" N
P-362	83° 34' 4.102" E	22° 6' 39.070" N
P-363	83° 34' 3.995" E	22° 6' 38.820" N
P-364	83° 34' 3.850" E	22° 6' 38.622" N
P-365	83° 34' 3.581" E	22° 6' 38.493" N
P-366	83° 34' 2.891" E	22° 6' 38.286" N
P-367	83° 34' 2.706" E	22° 6' 38.124" N
P-368	83° 34' 2.705" E	22° 6' 37.903" N
P-369	83° 34' 3.512" E	22° 6' 36.224" N
P-370	83° 34' 4.218" E	22° 6' 35.364" N
P-371	83° 33' 59.057" E	22° 6' 28.346" N
P-372	83° 33' 55.942" E	22° 6' 24.474" N
P-373	83° 33' 52.883" E	22° 6' 20.653" N
P-374	83° 33' 51.400" E	22° 6' 18.251" N
P-375	83° 33' 49.623" E	22° 6' 14.925" N
P-376	83° 33' 47.847" E	22° 6' 11.599" N
P-377	83° 33' 46.947" E	22° 6' 10.840" N
P-378	83° 33' 46.710" E	22° 6' 9.966" N
P-379	83° 33' 46.461" E	22° 6' 2.334" N
P-380	83° 33' 46.294" E	22° 5' 59.189" N
P-381	83° 33' 45.601" E	22° 5' 57.652" N
P-382	83° 33' 45.087" E	22° 5' 56.732" N
P-383	83° 33' 44.300" E	22° 5' 56.125" N
P-384	83° 33' 44.163" E	22° 5' 54.631" N
P-385	83° 33' 44.356" E	22° 5' 53.080" N
P-386	83° 33' 45.782" E	22° 5' 49.240" N
P-387	83° 33' 45.623" E	22° 5' 47.819" N
P-388	83° 33' 45.551" E	22° 5' 46.904" N
P-389	83° 33' 45.493" E	22° 5' 46.173" N
P-390	83° 33' 45.551" E	22° 5' 43.140" N
P-391	83° 33' 45.553" E	22° 5' 41.597" N
P-392	83° 33' 45.490" E	22° 5' 41.202" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-393	83° 33' 45.465" E	22° 5' 41.062" N
P-394	83° 33' 45.489" E	22° 5' 40.971" N
P-395	83° 33' 45.633" E	22° 5' 40.808" N
P-396	83° 33' 46.026" E	22° 5' 40.623" N
P-397	83° 33' 46.471" E	22° 5' 40.467" N
P-398	83° 33' 46.840" E	22° 5' 40.213" N
P-399	83° 33' 47.184" E	22° 5' 39.851" N
P-400	83° 33' 47.311" E	22° 5' 39.553" N
P-401	83° 33' 47.323" E	22° 5' 39.262" N
P-402	83° 33' 47.149" E	22° 5' 39.004" N
P-403	83° 33' 46.880" E	22° 5' 38.812" N
P-404	83° 33' 46.828" E	22° 5' 38.740" N
P-405	83° 33' 46.786" E	22° 5' 38.516" N
P-406	83° 33' 47.222" E	22° 5' 36.332" N
P-407	83° 33' 47.151" E	22° 5' 35.828" N
P-408	83° 33' 46.809" E	22° 5' 35.506" N
P-409	83° 33' 46.342" E	22° 5' 35.274" N
P-410	83° 33' 45.672" E	22° 5' 35.116" N
P-411	83° 33' 40.716" E	22° 5' 34.474" N
P-412	83° 33' 38.463" E	22° 5' 34.257" N
P-413	83° 33' 37.993" E	22° 5' 34.218" N
P-414	83° 33' 37.922" E	22° 5' 26.875" N
P-415	83° 33' 27.855" E	22° 5' 33.770" N
P-416	83° 32' 18.135" E	22° 6' 22.300" N
P-417	83° 32' 11.575" E	22° 6' 26.939" N
P-418	83° 32' 11.113" E	22° 6' 24.945" N
P-419	83° 32' 11.079" E	22° 6' 25.000" N
P-420	83° 32' 4.723" E	22° 6' 25.457" N
P-421	83° 32' 1.105" E	22° 6' 38.699" N
P-422	83° 31' 33.652" E	22° 6' 59.483" N
P-423	83° 32' 2.131" E	22° 7' 38.575" N
P-424	83° 32' 2.130" E	22° 7' 38.585" N
P-425	83° 32' 3.364" E	22° 7' 38.504" N
P-426	83° 32' 3.693" E	22° 7' 38.245" N
P-427	83° 32' 6.181" E	22° 7' 41.463" N
P-428	83° 32' 10.510" E	22° 7' 38.874" N
P-429	83° 32' 10.745" E	22° 7' 40.850" N
P-430	83° 32' 11.062" E	22° 7' 42.366" N
P-431	83° 32' 11.347" E	22° 7' 43.460" N
P-432	83° 32' 11.420" E	22° 7' 45.188" N
P-433	83° 32' 11.269" E	22° 7' 48.016" N
P-434	83° 32' 11.529" E	22° 7' 48.486" N
P-435	83° 32' 11.928" E	22° 7' 48.537" N
P-436	83° 32' 13.418" E	22° 7' 47.609" N
P-437	83° 32' 13.637" E	22° 7' 48.920" N
P-438	83° 32' 13.818" E	22° 7' 50.325" N
P-439	83° 32' 13.752" E	22° 7' 50.540" N
P-440	83° 32' 12.999" E	22° 7' 51.086" N
P-441	83° 32' 11.544" E	22° 7' 51.997" N

Provisional Cardinal Points for Gare-Palma-IV/1 Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-442	83° 32' 9.586" E	22° 7' 53.865" N
P-443	83° 32' 7.775" E	22° 7' 54.404" N
P-444	83° 32' 6.774" E	22° 7' 54.701" N
P-445	83° 32' 5.993" E	22° 7' 54.985" N
P-446	83° 32' 5.774" E	22° 7' 55.186" N
P-447	83° 32' 5.659" E	22° 7' 55.413" N
P-448	83° 32' 5.483" E	22° 7' 55.760" N
P-449	83° 32' 5.455" E	22° 7' 55.995" N
P-450	83° 32' 5.331" E	22° 7' 57.008" N
P-451	83° 32' 5.512" E	22° 8' 0.552" N
P-452	83° 32' 7.678" E	22° 8' 1.247" N
P-453	83° 32' 9.926" E	22° 8' 2.115" N
P-454	83° 32' 12.374" E	22° 8' 2.992" N
P-455	83° 32' 13.979" E	22° 8' 3.332" N
P-456	83° 32' 13.983" E	22° 8' 3.337" N
P-457	83° 32' 14.297" E	22° 8' 3.405" N
P-458	83° 32' 15.000" E	22° 8' 3.468" N
P-459	83° 32' 15.734" E	22° 8' 3.095" N