

JAINAGAR COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1. Location		
	Coal Block	Jainagar
	Latitude	23° 38' 34" N to 23° 39' 9" N (Provisional)
	Longitude	85° 17' 3" E to 85° 18' 12" E (Provisional)
	Topo Sheet No.	73 E/6
	Coalfield	South Karanpura
	Villages	-
	Tehsil/Taluka	Patratu
	District	Ramgarh.
	State	Jharkhand.
2. Connectivity with Block		
	Nearest Rail Head	Ramgarh is a railway station on the Gomoh-Barkakhana section of the South Eastern Railway and Patratu railway station is on the Gomoh-dehri-on-Sone loop of the Eastern Railway.
	Road	A good motorable road has been constructed passing through the western of the area connecting Patratu railway station (3 km.) and Ramgarh (27 km.).
	Airport	Ranchi Airport
3. Area		
	Geological Block Area	1.3 sq.km. (As per shape file. Refer Note No. 3)
	Forest Area	Approx. 15 % (As per FSI map)
	Non-Forest Area	Approx. 85 %
4. Climate and Topography		
	Average Annual Rainfall	-
	Temperature (Min. — Max.)	-
	Local Surface Drainage Channels	There are two nalas in the area, one on the eastern boundary – the Nalkari Nala flowing towards north, the other on the northern portion of the area the Bawandhara nala flowing towards east. The later joins the former at the north-eastern corner of the area which in turn joins the Damodar river further north-east. These nalas are practically dry except during rains.
	Rivers	Nalkari Nala/Nadi.
5. Exploration		
	Status	Regionally Explored.
	Exploration Agency	GSI.
	Total Number of Boreholes with meterage	13 Boreholes; 3212.43 m.
	Borehole Density	Approx. 10 Boreholes/sq.km.

	General Dip of Seams	The dips of the Barakar vary from 20° to 45° towards north in the eastern part of the area and about 20° towards east in the western part of the area.				
	General Strike Direction	The strike of the Barakar rocks changes from N50°W - S50°E in the eastern part of the area to N10°E - S10°W in the western part of the area, revealing a portion of the synclinal trough, the axis of which plunges towards north-east. The Barren Measures show a strike of N.40°E. – S.40°W while the Raniganj strike at N.60°E – S.60°W.				
6.	Coal Seams & Reserve					
	Coal Seams	Thickness Range (m)	Floor Depth Range (m)	Geological Reserve (MT)		Grade
				Proved	Indicated	
	Saunda	3.03		0.30	0.51	II – Inf.
	Sayal	3.52		0.43	0.76	Inf.
	Upper Balkudra	2.00		0.21	0.04	Inf.
	Lower Balkudra	2.14-5.05		0.73	0.15	Inf.
	Balkudra-A	1.20-1.80		0.17	0.06	Inf.
	Kurse	4.30-7.60		1.24	0.16	Inf.
	Upper Nalkari	0.75-1.85		0.29	0.02	Inf.
	Lower Nalkari			0.39	0.09	Inf.
	Upper Semana	0.60-5.80		1.38	0.31	I – Inf.
	Lower Semana	2.68-3.45		0.85	0.23	II – Inf.
	Semana-A	1.73-1.96		0.35	0.41	II – Inf.
	Semana-B	1.40		0.21	0.51	I - Inf.
	Hathidari	5.00-7.555		2.50	0.73	II - Inf.
	Hathidari-A	1.00-1.83		-	-	Inf.
	Bansgarha	2.00-5.00		1.37	0.51	II – Inf.
	Bansgarha-A	0.30-2.52		-	-	Inf.
	Bansgarha-B	0.60-2.20		-	-	II - Inf.
	Bansgarha-C	2.44-7.01		3.90	0.53	I – Inf.
	Bansgarha-D	0.35-5.41				I - II
	Sirka	7.00-8.83		2.89	2.76	I – II
	Sirka-A	1.77-4.05		1.00	0.81	I – Sel A
	Argada	29.35-54.24		26.25	2.42	I – Sel A to B
	Argada-A	6.64-16.64		5.07	0.71	I - Inf.
	Argada-B	5.79-10.06		2.14	3.23	II - Inf.
	Argada-C	1.40-4.07		0.76	0.79	I - Inf.
	Argada-D	4.77-4.85		0.73	4.38	Inf.
	Argada-E	1.65-1.80		0.30	1.91	Inf.
	Argada-F	0.63-4.47		0.55	1.48	II - Inf.
		Total		54.01	23.51	
		Grand Total		77.52		
7.	Surface Constraints	Naikari river is the eastern boundary limit. Highly buildup area of PTPS which covers major part of the block. Road crossing through the block.				
8.	Grade of the block	G7 (Provisional) based on weighted average grade as per data available in Regional GR.				
9.	Decision Support System (DSS) Analysis	Hydrology Info: Polygon touches Naikari Nadi				

10.	Eco Sensitive Zone (ESZ) Analysis	Approx. 39.5 km to the Hazaribagh ESZ from the Northern block boundary.
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PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name and Address of Allocatee	Gujarat Mineral Development Corporation (GMDC)
2.	Target Capacity as per Mining Plan	Mining Plan not available
3.	Status of Clearances/Approvals	
	Mining Plan/ Mine Closure Plan	NA
	Forest Clearance	NA
	Environmental Clearance	NA
	Mining Lease	NA
	Land Acquisition	NA
	No. of PAFs as per Mining Plan/ Mine Closure Plan	NA
4.	Surface Infrastructure already built, if any.	NA

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 may be 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.

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.

85°17'0"E

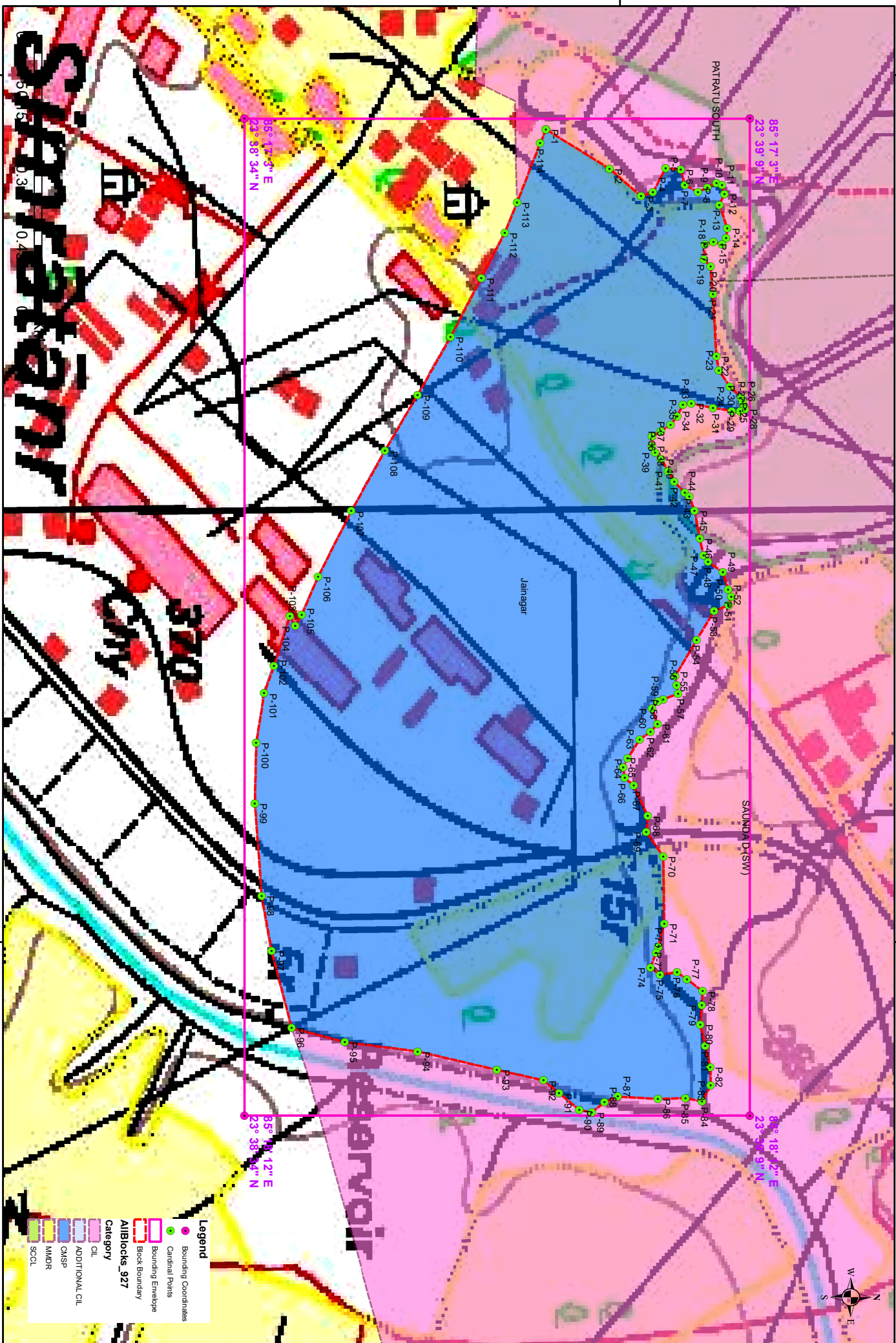
Jainagar

85°18'0"E

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23°39'0"N

23°39'0"N



NOTES: Coordinates are provisional in WGS84 System

85°18'0"E

Legend

- Bounding Coordinates
- Cardinal Points
- Bounding Envelope
- Block Boundary
- AII Blocks 927

Category

- CIL
- ADDITIONAL CIL
- GMSP
- IMDR
- SCOL

Provisional Cardinal Points for Jainagar Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	85° 17' 3.760" E	23° 38' 54.884" N
P-2	85° 17' 6.470" E	23° 38' 59.280" N
P-3	85° 17' 8.378" E	23° 39' 1.462" N
P-4	85° 17' 8.099" E	23° 39' 2.297" N
P-5	85° 17' 6.450" E	23° 39' 3.151" N
P-6	85° 17' 6.520" E	23° 39' 4.210" N
P-7	85° 17' 7.601" E	23° 39' 4.488" N
P-8	85° 17' 8.081" E	23° 39' 5.413" N
P-9	85° 17' 7.764" E	23° 39' 6.065" N
P-10	85° 17' 7.464" E	23° 39' 6.681" N
P-11	85° 17' 7.601" E	23° 39' 7.058" N
P-12	85° 17' 8.233" E	23° 39' 7.224" N
P-13	85° 17' 8.987" E	23° 39' 6.888" N
P-14	85° 17' 10.582" E	23° 39' 7.435" N
P-15	85° 17' 11.267" E	23° 39' 7.349" N
P-16	85° 17' 11.713" E	23° 39' 7.058" N
P-17	85° 17' 11.526" E	23° 39' 6.471" N
P-18	85° 17' 11.696" E	23° 39' 5.893" N
P-19	85° 17' 12.724" E	23° 39' 5.807" N
P-20	85° 17' 13.221" E	23° 39' 6.277" N
P-21	85° 17' 15.174" E	23° 39' 6.441" N
P-22	85° 17' 19.457" E	23° 39' 6.681" N
P-23	85° 17' 20.416" E	23° 39' 6.852" N
P-24	85° 17' 21.547" E	23° 39' 7.606" N
P-25	85° 17' 22.300" E	23° 39' 8.394" N
P-26	85° 17' 22.575" E	23° 39' 8.497" N
P-27	85° 17' 22.951" E	23° 39' 8.634" N
P-28	85° 17' 23.123" E	23° 39' 8.668" N
P-29	85° 17' 23.260" E	23° 39' 8.326" N
P-30	85° 17' 23.226" E	23° 39' 7.743" N
P-31	85° 17' 23.020" E	23° 39' 6.441" N
P-32	85° 17' 22.712" E	23° 39' 4.934" N
P-33	85° 17' 22.780" E	23° 39' 4.351" N
P-34	85° 17' 23.603" E	23° 39' 3.974" N
P-35	85° 17' 24.185" E	23° 39' 3.495" N
P-36	85° 17' 24.630" E	23° 39' 2.844" N
P-37	85° 17' 25.007" E	23° 39' 2.227" N
P-38	85° 17' 25.658" E	23° 39' 2.227" N
P-39	85° 17' 26.104" E	23° 39' 2.432" N
P-40	85° 17' 26.549" E	23° 39' 2.844" N
P-41	85° 17' 27.407" E	23° 39' 3.347" N
P-42	85° 17' 28.125" E	23° 39' 3.769" N
P-43	85° 17' 28.913" E	23° 39' 4.488" N
P-44	85° 17' 29.153" E	23° 39' 4.797" N
P-45	85° 17' 30.147" E	23° 39' 5.174" N
P-46	85° 17' 32.033" E	23° 39' 5.526" N
P-47	85° 17' 33.231" E	23° 39' 5.790" N

Provisional Cardinal Points for Jainagar Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	85° 17' 33.692" E	23° 39' 6.102" N
P-49	85° 17' 34.396" E	23° 39' 7.127" N
P-50	85° 17' 35.595" E	23° 39' 7.503" N
P-51	85° 17' 36.075" E	23° 39' 7.709" N
P-52	85° 17' 36.657" E	23° 39' 7.538" N
P-53	85° 17' 37.086" E	23° 39' 6.517" N
P-54	85° 17' 39.073" E	23° 39' 5.311" N
P-55	85° 17' 41.591" E	23° 39' 3.820" N
P-56	85° 17' 42.225" E	23° 39' 3.926" N
P-57	85° 17' 42.800" E	23° 39' 4.021" N
P-58	85° 17' 43.185" E	23° 39' 2.998" N
P-59	85° 17' 43.339" E	23° 39' 2.638" N
P-60	85° 17' 43.801" E	23° 39' 2.227" N
P-61	85° 17' 44.881" E	23° 39' 2.587" N
P-62	85° 17' 45.446" E	23° 39' 2.124" N
P-63	85° 17' 45.960" E	23° 39' 1.353" N
P-64	85° 17' 47.296" E	23° 39' 0.531" N
P-65	85° 17' 47.913" E	23° 39' 0.222" N
P-66	85° 17' 48.633" E	23° 39' 0.325" N
P-67	85° 17' 49.157" E	23° 39' 0.961" N
P-68	85° 17' 51.254" E	23° 39' 1.918" N
P-69	85° 17' 52.346" E	23° 39' 1.832" N
P-70	85° 17' 54.081" E	23° 39' 2.998" N
P-71	85° 17' 58.708" E	23° 39' 3.072" N
P-72	85° 18' 0.301" E	23° 39' 2.656" N
P-73	85° 18' 0.711" E	23° 39' 2.502" N
P-74	85° 18' 1.739" E	23° 39' 2.124" N
P-75	85° 18' 2.236" E	23° 39' 2.781" N
P-76	85° 18' 2.072" E	23° 39' 3.948" N
P-77	85° 18' 2.561" E	23° 39' 4.642" N
P-78	85° 18' 3.383" E	23° 39' 5.722" N
P-79	85° 18' 4.360" E	23° 39' 5.670" N
P-80	85° 18' 5.693" E	23° 39' 5.562" N
P-81	85° 18' 7.183" E	23° 39' 5.917" N
P-82	85° 18' 8.622" E	23° 39' 6.258" N
P-83	85° 18' 9.911" E	23° 39' 6.287" N
P-84	85° 18' 11.025" E	23° 39' 5.685" N
P-85	85° 18' 10.784" E	23° 39' 4.540" N
P-86	85° 18' 10.836" E	23° 39' 2.638" N
P-87	85° 18' 10.682" E	23° 38' 59.863" N
P-88	85° 18' 11.070" E	23° 38' 58.934" N
P-89	85° 18' 11.761" E	23° 38' 58.064" N
P-90	85° 18' 11.607" E	23° 38' 57.190" N
P-91	85° 18' 10.447" E	23° 38' 55.798" N
P-92	85° 18' 9.551" E	23° 38' 54.723" N
P-93	85° 18' 8.831" E	23° 38' 51.485" N
P-94	85° 18' 7.546" E	23° 38' 45.986" N

Provisional Cardinal Points for Jainagar Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	85° 18' 6.907" E	23° 38' 40.949" N
P-96	85° 18' 5.923" E	23° 38' 37.272" N
P-97	85° 18' 0.593" E	23° 38' 35.884" N
P-98	85° 17' 56.790" E	23° 38' 35.198" N
P-99	85° 17' 50.382" E	23° 38' 34.719" N
P-100	85° 17' 46.202" E	23° 38' 34.821" N
P-101	85° 17' 42.776" E	23° 38' 35.370" N
P-102	85° 17' 40.891" E	23° 38' 36.055" N
P-103	85° 17' 37.430" E	23° 38' 37.151" N
P-104	85° 17' 38.116" E	23° 38' 37.528" N
P-105	85° 17' 37.328" E	23° 38' 37.974" N
P-106	85° 17' 34.689" E	23° 38' 39.104" N
P-107	85° 17' 30.166" E	23° 38' 41.400" N
P-108	85° 17' 25.986" E	23° 38' 43.730" N
P-109	85° 17' 22.114" E	23° 38' 45.991" N
P-110	85° 17' 18.105" E	23° 38' 48.287" N
P-111	85° 17' 14.028" E	23° 38' 50.412" N
P-112	85° 17' 10.910" E	23° 38' 52.022" N
P-113	85° 17' 8.795" E	23° 38' 52.880" N
P-114	85° 17' 4.712" E	23° 38' 54.480" N