

MANDLA SOUTH COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1.	Location	
	Coal Block	Mandla South
	Latitude	22° 12' 41" N - 22° 14' 32" N (Provisional)
	Longitude	78° 52' 40" E - 78° 54' 23" E (Provisional)
	Topo Sheet No.	55 J/16
	Coalfield	Pench-Kanhan
	Villages	Mandla, Bichua, Mandli, Shankarpur, Sirgora
	Tehsil/Taluka	Parasia
	District	Chhindwara
	State	Madhya Pradesh
2.	Connectivity with Block	
	Nearest Rail Head	It is linked with Chhindwara through a narrow gauge line of South Eastern railway and with Amla (87 km on GT line) by broad gauge line of central railway, the nearest railway station siding from the block is available at Rawanwara colliery for coal loading.
	Road	The District Headquarters is connected by State highway No. 19 connecting Chindwara with Piparia/Panchmarhi.
	Airport	
3.	Area	
	Geological Block Area	5.93 sq.km. (As per shape file; Refer Note No. 3)
	Green Cover	Approx. 22 % (As per FSI plan)
	Area excluding green cover	Approx. 78 % (As per FSI plan)
4.	Climate and Topography	
	Local Surface Drainage Channels	Two seasonal nallas, one flowing from north to south along the eastern boundary of the block and the other flowing easterly to the center of the block are the only source of water. Both these nallas have their confluence near mandla village.
5.	Exploration	
	Status	Explored
	Exploration Agency	MECL
	Total Number of Boreholes with meterage	57 Boreholes; 17532.10 m MECL
	Borehole Density	Approx. 9.6 Boreholes/sq.km.
	General Dip of Seams	The beds dip northerly 4° to 12°

	General Strike Direction	The general strike of the beds is East – West, however fluctuations in ENE and WSW directions.			
	Faults	In all 38 faults have been recognised. Of the 38 faults, 22 faults are noticed to be continuing from adjacent blocks. Only 7 faults had northerly. The magnitude of throw varies very widely from 5m to as high as 300m.			
6.	Coal Seams & Reserve				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT) (Proved)	Grade
	IA	0.04-0.99			
	IB	0.37-2.83	152.97-384.93	12.836	D-G
	IC	1.37-4.99	156.80-387.84	23.086	B-E
	IIA	0.05-2.24			
	IIB	0.51-3.60			
	II	0.80-3.60	162.66-392.47	14.964	B-E
	IIIB	0.39-2.34	166.11-397.08	9.322	B-G
	IIIC	0.11-0.97			
	IVA1	0.17-2.21			
	IVA2	0.05-1.41			
	IVA	0.09-4.61	176.76-412.06	7.056	A-F
	IVB	0.47-0.95			
	VA1	0.10-2.69	166.71-406.76	2.014	A-E
	VA2	0.11-3.58			
	VA	1.62-2.97	169.96-407.99	6.685	A-F
	VB1	0.21-2.00	189.29-416.09	4.437	A-F
	VB2	0.18-1.48			
	VB	0.14-2.65			
	VC	0.08-1.04			
		Total		80.400	
7.	Surface Constraints	NA			
8.	Grade of the block	G7 (Provisional) based on weighted average grade as per data available in GR.			
9.	Decision Support System (DSS) Analysis	Not Inviolate			
10.	Eco Sensitive Zone (ESZ) Analysis	The ESZ boundary of Panchamarhi Biosphere is located Approx.19 km from the N-W block boundary. The Pench-Satpura tiger corridor is located approx. 31 km from the S-W block boundary.			

PART B

Sr. No.	Features	Details (As per information submitted by prior allottee)
1.	Previous Allocation	
	Name and Address of Allocatee	M/s- Madhya Pradesh State Mining Corporation Limited
2.	Target Capacity as per Mining Plan	0.3 Mty
3.	Status of Clearances/Approvals	
	Mining Plan/ Mine Closure Plan	Approved vide letter no. 13016/45/2009/-CA-I dated- 3/08/2010
	Forest Clearance	Granted vide letter no. 8-43/2010-FC dated - 5/6/2013
	Environmental Clearance	Granted vide letter no. j-11015/265/2009-1A.II (M), Dated 02.1.2013
	Mining Lease Grant	Not Available
	Land Acquisition	210.807 Ha (Forest) & 17.981 Ha (Private)
	No. of PAPs as per Mining Plan	87 rehabilitated and resettled

Note:

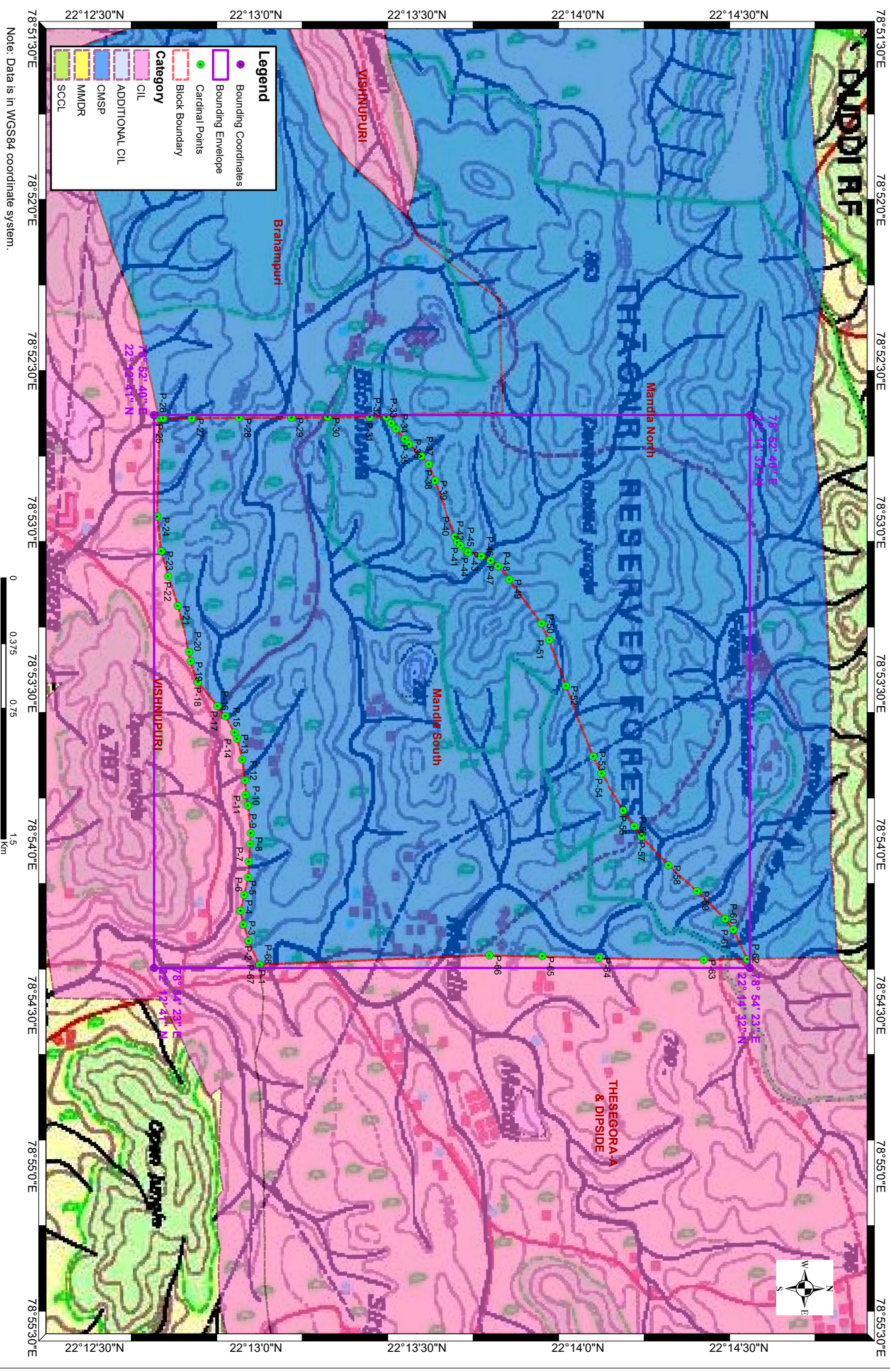
1. The above data is compiled from Geological Report, Mining Plan and the data furnished by the prior allottee in Annexure-I/II, as available. For clarifications with regard to above data, please refer aforesaid source documents.
2. The boundary of the block has been taken from GR after conversion to 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.

Mandla South Block, Pench Kanhan Coalfield

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Legend

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

Category

- CIL
- ADDITIONAL CIL
- CMSP
- MMDR
- SCCL

78°51'30"E 78°52'0"E 78°52'30"E 78°53'0"E 78°53'30"E 78°54'0"E 78°54'30"E 78°55'0"E 78°55'30"E

22°12'30"N 22°13'0"N 22°13'30"N 22°14'0"N 22°14'30"N

Note: Data is in WGS84 coordinate system.

0 0.375 0.75 1.5 Km

Provisional Cardinal Points for Mandla South Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	78° 54' 22.361" E	22° 13' 0.671" N
P-2	78° 54' 17.893" E	22° 12' 58.617" N
P-3	78° 54' 14.866" E	22° 12' 57.618" N
P-4	78° 54' 12.372" E	22° 12' 57.099" N
P-5	78° 54' 9.327" E	22° 12' 57.787" N
P-6	78° 54' 6.040" E	22° 12' 58.507" N
P-7	78° 54' 3.197" E	22° 12' 58.643" N
P-8	78° 53' 59.873" E	22° 12' 58.917" N
P-9	78° 53' 57.916" E	22° 12' 59.019" N
P-10	78° 53' 52.747" E	22° 12' 58.466" N
P-11	78° 53' 50.771" E	22° 12' 58.069" N
P-12	78° 53' 48.076" E	22° 12' 57.947" N
P-13	78° 53' 44.131" E	22° 12' 57.436" N
P-14	78° 53' 40.329" E	22° 12' 56.437" N
P-15	78° 53' 39.110" E	22° 12' 55.955" N
P-16	78° 53' 36.084" E	22° 12' 54.269" N
P-17	78° 53' 34.201" E	22° 12' 52.789" N
P-18	78° 53' 29.699" E	22° 12' 49.176" N
P-19	78° 53' 25.917" E	22° 12' 47.786" N
P-20	78° 53' 24.051" E	22° 12' 47.523" N
P-21	78° 53' 15.522" E	22° 12' 45.420" N
P-22	78° 53' 10.022" E	22° 12' 43.595" N
P-23	78° 53' 5.333" E	22° 12' 42.320" N
P-24	78° 52' 58.948" E	22° 12' 41.613" N
P-25	78° 52' 40.668" E	22° 12' 42.046" N
P-26	78° 52' 40.605" E	22° 12' 42.728" N
P-27	78° 52' 40.579" E	22° 12' 48.010" N
P-28	78° 52' 40.536" E	22° 12' 56.849" N
P-29	78° 52' 40.488" E	22° 13' 6.587" N
P-30	78° 52' 40.455" E	22° 13' 13.330" N
P-31	78° 52' 40.417" E	22° 13' 21.197" N
P-32	78° 52' 40.442" E	22° 13' 24.265" N
P-33	78° 52' 41.529" E	22° 13' 25.189" N
P-34	78° 52' 42.592" E	22° 13' 26.092" N
P-35	78° 52' 44.496" E	22° 13' 27.709" N
P-36	78° 52' 45.424" E	22° 13' 28.497" N
P-37	78° 52' 47.638" E	22° 13' 30.794" N
P-38	78° 52' 49.188" E	22° 13' 32.162" N
P-39	78° 52' 52.194" E	22° 13' 33.342" N
P-40	78° 53' 2.645" E	22° 13' 37.044" N
P-41	78° 53' 3.669" E	22° 13' 37.508" N
P-42	78° 53' 4.333" E	22° 13' 38.076" N
P-43	78° 53' 5.378" E	22° 13' 39.158" N
P-44	78° 53' 5.471" E	22° 13' 39.428" N
P-45	78° 53' 5.543" E	22° 13' 39.526" N
P-46	78° 53' 6.352" E	22° 13' 41.971" N
P-47	78° 53' 7.071" E	22° 13' 43.699" N

Provisional Cardinal Points for Mandla South Block

P-48	78° 53' 8.151" E	22° 13' 45.067" N
P-49	78° 53' 10.569" E	22° 13' 47.180" N
P-50	78° 53' 18.863" E	22° 13' 53.221" N
P-51	78° 53' 21.881" E	22° 13' 54.641" N
P-52	78° 53' 30.438" E	22° 13' 57.715" N
P-53	78° 53' 43.563" E	22° 14' 2.828" N
P-54	78° 53' 46.719" E	22° 14' 4.403" N
P-55	78° 53' 53.641" E	22° 14' 8.403" N
P-56	78° 53' 56.659" E	22° 14' 10.442" N
P-57	78° 53' 58.497" E	22° 14' 11.849" N
P-58	78° 54' 3.829" E	22° 14' 16.841" N
P-59	78° 54' 8.645" E	22° 14' 22.181" N
P-60	78° 54' 13.821" E	22° 14' 27.393" N
P-61	78° 54' 15.842" E	22° 14' 28.941" N
P-62	78° 54' 21.298" E	22° 14' 31.522" N
P-63	78° 54' 21.469" E	22° 14' 23.374" N
P-64	78° 54' 21.148" E	22° 14' 3.828" N
P-65	78° 54' 20.821" E	22° 13' 53.307" N
P-66	78° 54' 20.578" E	22° 13' 43.483" N
P-67	78° 54' 22.361" E	22° 13' 0.673" N

Note: The provisional cardinal points are in WGS84 coordinate system. These points are extracted through ArcGIS software after georeferencing of block boundary and onground DGPS survey is required to ascertain the exact location of the points.