

Bandha North Block Summary

PART A

Sr. No.	Features	Details
1.	Location	
	Coal Block	Bandha North
	Latitude	24° 6' 48" N - 24° 8' 46" N (Provisional)
	Longitude	82° 21' 45" E - 82° 24' 58" E (Provisional)
	Topo Sheet No.	G44W8
	Coalfield	Singrauli Coalfield
	Villages	Terhiya, Jiganhawa etc.
	Tehsil/Taluka	Deosar
	District	Singrauli
	State	Madhya Pradesh
2.	Connectivity with Block	
	Nearest Rail Head	The nearest railway station is Deoragram and Majhauri on Katni-Chopan Railway Line.
	Road	The block can be approached by all-weather metalled road through Bargawan about 40 Km. from Waidhan, the district headquarter.
	Airport	Nearest Airport is Varanasi, which is about 250 km. away.
3.	Area	
	Geological Block Area	14.9 Sq. Km. (As per shape file. Refer Note below)
	Green Cover	Approx. 39% (As per FSI Map)
	Non-Forest Area	Approx. 61% (As per FSI Map)
4.	Climate and Topography	
	Average Annual Rainfall	The area normally receives heavy monsoon of annual rainfall about 130 cm.
	Temperature (Min. — Max.)	The area is characterized by subtropical climate. The average temperature varies from 8°C during winter to 50°C in summer. The area experiences a tropical monsoon climate. Winters are cold (6°C to 12°C); the summer temperature often shoots up to 50°C.
	Local Surface Drainage Channels	Bandha Nala, flowing near western boundary of the block.

	Rivers	The northerly flowing Gopad River which is far away from the western boundary of the block, maintains a perennial flow in the area.			
5.	Exploration				
	Status	Partially Explored			
	Exploration Agency	CMPDI			
	Total Number of Boreholes with meterage	61 boreholes & 29883.70 m (CMPDI: 56 BHs, 26337.00m & GSI: 5 BHs, 3546.70m)			
	Borehole Density	About 4 boreholes per sq. km			
	General Dip of Seams	The amount of Dip of Coal Seams varies within the limit i.e. from 4 ⁰ to 12 ⁰			
	General Strike Direction	Strike is NE-SW in most part of the block.			
6.	Coal Seams & Resources				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Resources (MT)	Grade
	R5	1.31	12.00		
	RL5	0.92	35.50		
	R4	0.50-1.50	28.65-47.00		
	R3	2.17-5.66	23.18-88.68		
	R2	0.35-1.66	67.26-109.78		
	R1	0.68-5.55	37.47-133.02		
	VIII	1.15-3.12	132.16-501.68		
	VII	11.40-16.42	170.50-563.33		
	VII-T	4.45-8.14	212.84-539.95		
	VII-B	4.08-7.20	220.40-547.38		
	VI	1.40-3.33	207.61-610.87		
	V	1.51-2.88	305.80-344.25		
	VT	1.38-4.43	230.00-591.81		
	VB	0.30-1.46	356.00-594.90		
	IV	1.08-2.43	261.63-524.03		
	IIIA	0.87-2.52	288.20-413.90		
	III	1.24	421.23		
	Total			500 (Tentative)	
7.	Surface Constraints	Powerline passing through South west corner of the block. Railway line mark the western boundary of the block.			
8.	Grade of coal	G9 (Provisional) based on weighted average grade of adjacent blocks.			
9.	Decision Support System (DSS) Analysis	Wildlife Info: The polygon touches Wildlife Habitat(s)- Sloth Bear			

10.	Eco Sensitive Zone (ESZ) Analysis	Approx. 20 km from the boundary of ESZ of Sanjay Gandhi Dubri National Park and the boundary of Sanjay-Dubri TR-PA.
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Note:

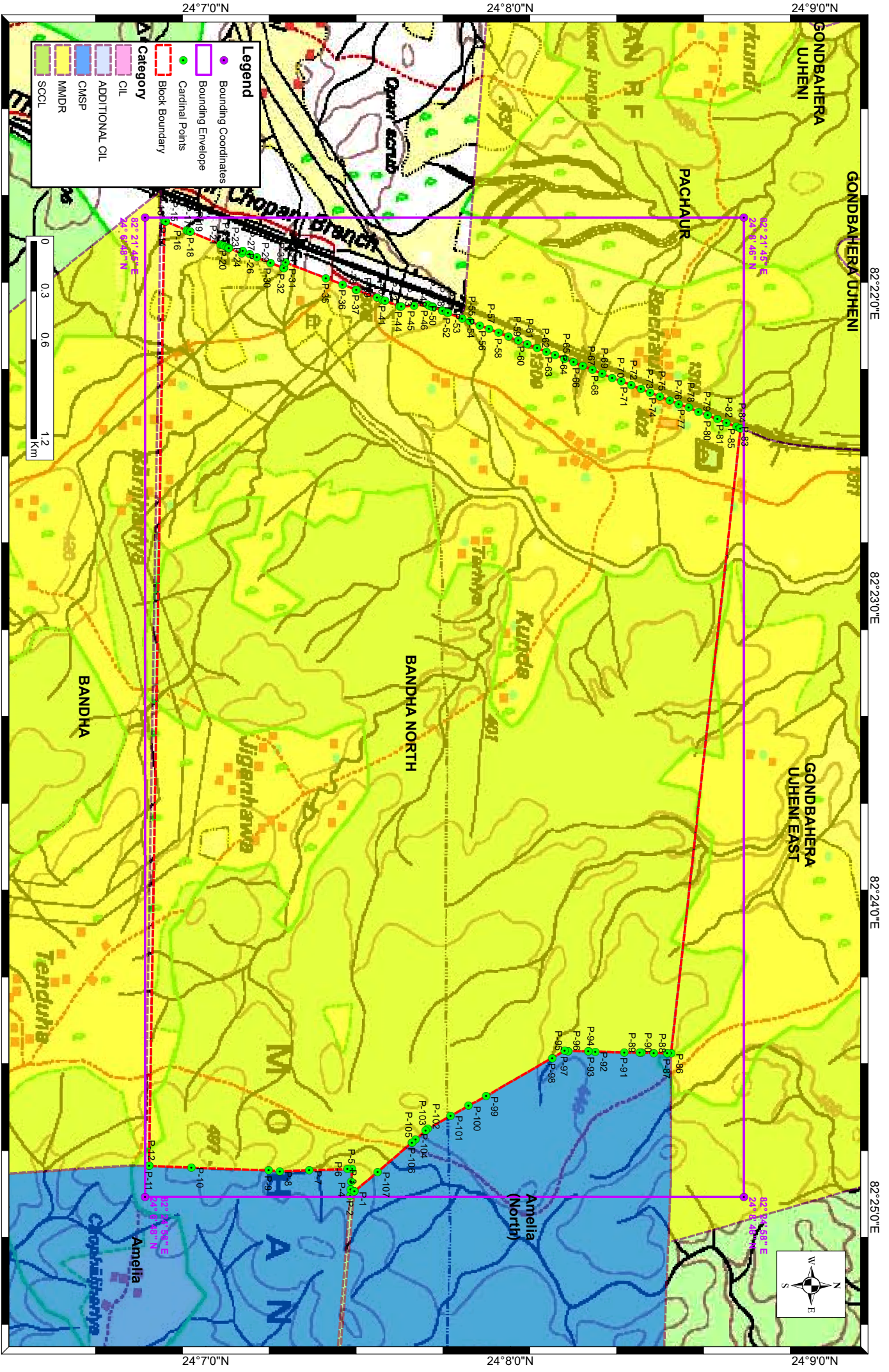
1. The above data is compiled from Geological Report, Mining Plan and the data furnished by the prior allottee in Annexure-I/II, as available. For clarifications with regard to above data, please refer aforesaid source documents.
2. The boundary of the block has been taken from GR after conversion to 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. The summary has been compiled from “Pre analyzed raw seam data of Bandha North Block, Main basin, Singrauli Coalfield.

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.

Bandha North Block, Singrauli Coalfield

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Note: Coordinates are in WGS84 datum.

24°7'0"N

24°8'0"N

24°9'0"N

82°22'0"E

82°23'0"E

82°24'0"E

82°25'0"E

82°22'0"E

82°23'0"E

82°24'0"E

82°25'0"E

24°7'0"N

24°8'0"N

24°9'0"N

Provisional Cardinal Points for BANDHA NORTH Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	82° 24' 56.918" E	24° 7' 29.269" N
P-2	82° 24' 57.720" E	24° 7' 28.425" N
P-3	82° 24' 56.547" E	24° 7' 28.523" N
P-4	82° 24' 55.076" E	24° 7' 28.642" N
P-5	82° 24' 52.551" E	24° 7' 28.822" N
P-6	82° 24' 52.540" E	24° 7' 27.911" N
P-7	82° 24' 52.762" E	24° 7' 20.390" N
P-8	82° 24' 52.949" E	24° 7' 14.517" N
P-9	82° 24' 52.769" E	24° 7' 12.383" N
P-10	82° 24' 52.230" E	24° 6' 57.142" N
P-11	82° 24' 51.878" E	24° 6' 48.792" N
P-12	82° 24' 51.878" E	24° 6' 48.791" N
P-13	82° 21' 45.645" E	24° 6' 51.784" N
P-14	82° 21' 45.754" E	24° 6' 52.044" N
P-15	82° 21' 45.763" E	24° 6' 52.065" N
P-16	82° 21' 47.495" E	24° 6' 56.195" N
P-17	82° 21' 47.638" E	24° 6' 56.537" N
P-18	82° 21' 47.808" E	24° 6' 56.942" N
P-19	82° 21' 47.809" E	24° 6' 56.945" N
P-20	82° 21' 50.296" E	24° 7' 2.875" N
P-21	82° 21' 50.482" E	24° 7' 3.319" N
P-22	82° 21' 50.568" E	24° 7' 3.525" N
P-23	82° 21' 50.806" E	24° 7' 4.092" N
P-24	82° 21' 50.951" E	24° 7' 4.437" N
P-25	82° 21' 50.980" E	24° 7' 4.507" N
P-26	82° 21' 52.060" E	24° 7' 7.082" N
P-27	82° 21' 51.558" E	24° 7' 7.233" N
P-28	82° 21' 52.204" E	24° 7' 8.634" N
P-29	82° 21' 52.851" E	24° 7' 10.038" N
P-30	82° 21' 53.904" E	24° 7' 12.690" N
P-31	82° 21' 54.955" E	24° 7' 15.340" N
P-32	82° 21' 54.956" E	24° 7' 15.342" N
P-33	82° 21' 54.955" E	24° 7' 15.342" N
P-34	82° 21' 53.858" E	24° 7' 15.693" N
P-35	82° 21' 56.901" E	24° 7' 23.606" N
P-36	82° 21' 58.180" E	24° 7' 26.933" N
P-37	82° 21' 59.179" E	24° 7' 29.531" N
P-38	82° 21' 59.226" E	24° 7' 29.651" N
P-39	82° 22' 0.773" E	24° 7' 33.688" N
P-40	82° 22' 1.190" E	24° 7' 34.775" N
P-41	82° 22' 1.372" E	24° 7' 35.249" N
P-42	82° 22' 1.388" E	24° 7' 35.293" N
P-43	82° 22' 2.495" E	24° 7' 38.179" N
P-44	82° 22' 2.476" E	24° 7' 38.504" N
P-45	82° 22' 2.334" E	24° 7' 41.006" N
P-46	82° 22' 2.183" E	24° 7' 43.648" N
P-47	82° 22' 2.338" E	24° 7' 44.032" N

Provisional Cardinal Points for BANDHA NORTH Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	82° 22' 2.587" E	24° 7' 44.661" N
P-49	82° 22' 2.597" E	24° 7' 44.686" N
P-50	82° 22' 3.321" E	24° 7' 46.521" N
P-51	82° 22' 3.342" E	24° 7' 46.574" N
P-52	82° 22' 3.683" E	24° 7' 47.436" N
P-53	82° 22' 3.790" E	24° 7' 47.708" N
P-54	82° 22' 4.874" E	24° 7' 50.486" N
P-55	82° 22' 5.477" E	24° 7' 51.996" N
P-56	82° 22' 6.254" E	24° 7' 53.968" N
P-57	82° 22' 6.961" E	24° 7' 55.764" N
P-58	82° 22' 7.710" E	24° 7' 57.672" N
P-59	82° 22' 8.482" E	24° 7' 59.631" N
P-60	82° 22' 9.243" E	24° 8' 1.555" N
P-61	82° 22' 9.946" E	24° 8' 3.325" N
P-62	82° 22' 10.709" E	24° 8' 5.258" N
P-63	82° 22' 11.420" E	24° 8' 7.053" N
P-64	82° 22' 12.109" E	24° 8' 8.803" N
P-65	82° 22' 12.809" E	24° 8' 10.589" N
P-66	82° 22' 13.533" E	24° 8' 12.437" N
P-67	82° 22' 14.249" E	24° 8' 14.249" N
P-68	82° 22' 15.014" E	24° 8' 16.173" N
P-69	82° 22' 15.774" E	24° 8' 18.111" N
P-70	82° 22' 16.586" E	24° 8' 20.047" N
P-71	82° 22' 17.249" E	24° 8' 21.846" N
P-72	82° 22' 18.009" E	24° 8' 23.773" N
P-73	82° 22' 18.781" E	24° 8' 25.705" N
P-74	82° 22' 19.486" E	24° 8' 27.507" N
P-75	82° 22' 20.244" E	24° 8' 29.418" N
P-76	82° 22' 21.008" E	24° 8' 31.375" N
P-77	82° 22' 21.716" E	24° 8' 33.166" N
P-78	82° 22' 22.487" E	24° 8' 35.116" N
P-79	82° 22' 23.244" E	24° 8' 37.033" N
P-80	82° 22' 23.954" E	24° 8' 38.834" N
P-81	82° 22' 24.725" E	24° 8' 40.780" N
P-82	82° 22' 25.428" E	24° 8' 42.557" N
P-83	82° 22' 26.190" E	24° 8' 44.488" N
P-84	82° 22' 26.461" E	24° 8' 45.172" N
P-85	82° 22' 26.521" E	24° 8' 45.319" N
P-86	82° 24' 29.740" E	24° 8' 31.652" N
P-87	82° 24' 29.723" E	24° 8' 30.875" N
P-88	82° 24' 29.666" E	24° 8' 28.229" N
P-89	82° 24' 29.614" E	24° 8' 25.831" N
P-90	82° 24' 29.606" E	24° 8' 25.460" N
P-91	82° 24' 29.541" E	24° 8' 22.420" N
P-92	82° 24' 29.381" E	24° 8' 16.700" N
P-93	82° 24' 29.348" E	24° 8' 15.378" N
P-94	82° 24' 29.347" E	24° 8' 15.340" N

Provisional Cardinal Points for BANDHA NORTH Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	82° 24' 29.248" E	24° 8' 11.336" N
P-96	82° 24' 29.248" E	24° 8' 11.335" N
P-97	82° 24' 29.229" E	24° 8' 10.681" N
P-98	82° 24' 30.608" E	24° 8' 8.210" N
P-99	82° 24' 38.145" E	24° 7' 55.199" N
P-100	82° 24' 40.060" E	24° 7' 51.733" N
P-101	82° 24' 42.063" E	24° 7' 48.169" N
P-102	82° 24' 44.638" E	24° 7' 43.669" N
P-103	82° 24' 44.946" E	24° 7' 43.313" N
P-104	82° 24' 46.715" E	24° 7' 41.274" N
P-105	82° 24' 47.291" E	24° 7' 40.601" N
P-106	82° 24' 47.307" E	24° 7' 40.583" N
P-107	82° 24' 53.103" E	24° 7' 33.814" 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.