

**CHOPNA SHAKTIGARH BLOCK SUMMARY
PART A**

Sr. No.	Features	Details
1.	Location	
	Coal Block	CHOPNA SHAKTIGARH
	Latitude	22° 9' 57" N-22° 12' 43" N (Provisional)
	Longitude	78° 2' 12" E-78° 8' 26" E (Provisional)
	Topo Sheet No.	55J/4
	Coalfield	Pench-Kanhan
	Villages	Ghogri, Gopinathpur, Punji, Shantipur Settlements
	Tehsil/Taluka	Ghodadongari
	District	Betul
	State	Madhya Pradesh
2.	Connectivity with Block	
	Nearest Rail Head	The entire studied area of drilling is easily approachable by a broad gauge railway line from Nagpur to Itarsi (C. Rly).
	Road	Ghoradongri, which is about 40km from Chopna village via Shahpur is the nearest railway station. A metal road (NH 69) from Nagpur to Bhopal running by west of the area and passes through Shahpur, which is connected with Chopna by another 20 km long metal road. Besides, there are several fair weather forest roads passing through the area of investigation. The villages are connected by cart tracks.
	Airport	-
3.	Area	
	Geological Block Area	42 sq km (As per shape file. Refer note below)
	Forest Area	Approx. 10% (As per FSI map)
	Non-Forest Area	Approx. 90% (As per FSI map)
4.	Climate and Topography	
	Average Annual Rainfall	120 – 140cm
	Temperature (Min. — Max.)	-
	Local Surface Drainage Channels	The Tawa and Bharanga nadi fed by their tributaries, form the main drainage of the area. These channels which drain ultimately into the Narmada River, flow westerly. Important tributaries of Bharanga Nadi are Saranga Nadi, Juban Nala, Khirni Nala and Mankar Nala. Only Juban Nala is flowing from south to north where as other tributaries are flowing from east to west.
	Rivers	Tawa River Flows Through This block

5.	Exploration				
	Status	Regionally explored			
	Exploration Agency	GSI			
	Total Number of Boreholes with meterage	3 Boreholes; 1277.55 m (TVCS-1, 2 & 3 by GSI)			
	Borehole Density	Approx. 0.07 BHs/sqkm			
	General Dip of Seams	low (8-10degrees) northerly dips			
	General Strike Direction	The general attitude of bedding displayed by Motur Formation is E-W to ENE-WSW.			
	Faults	3 fault.			
6.	Coal Seams & Reserve				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Resources (MT) (Inferred)	Grade
	Upper Workable	1.15	478.50		G
	Lower Workable	2.00	491.65		G
	Bagdona	1.15	555.85		W-IV
	Seam-I	0.85	596.00		G
	Total			440	
7.	Surface Constraints	Shaktigarh Road Passes Through This block, Tawa River Flows Through This block; Dada Dham Garden, Ghogri, Gopinathpur, Punji, Shantipur Settlements			
8.	Grade of coal	W-III & G14 (Provisional) based on weighted average grade as per grade-wise data available in Regional GR.			
9.	Decision Support System (DSS) Analysis	Hydrology info: The polygon touches major river(s)- Latiya Nala, Tawa River Wildlife info: The polygon touches Wildlife Habitat(s)- Sloth Bear			
10.	Eco Sensitive Zone (ESZ)	NE boundary of the block is approx. 1.5 km from the boundary of ESZ of Panchmarhi and approx. 7 km from the tiger corridor connecting Panchmarhi (Satpura) and Pench. The SW boundary of the block is approx. 13 km from the tiger corridor connecting Panchmarhi and Melghat. The block is surrounded by tiger corridors in all directions.			

Note:

1. The summary is compiled from "FINAL REPORT ON REGIONAL EXPLORATION FOR COAL IN CHOPNA-SHAKTIGARH AREA, NORTH OF PATHAKHERA, TAWA VALLEY COALFIELD, BETUL DISTRICT, M.P.-2001"

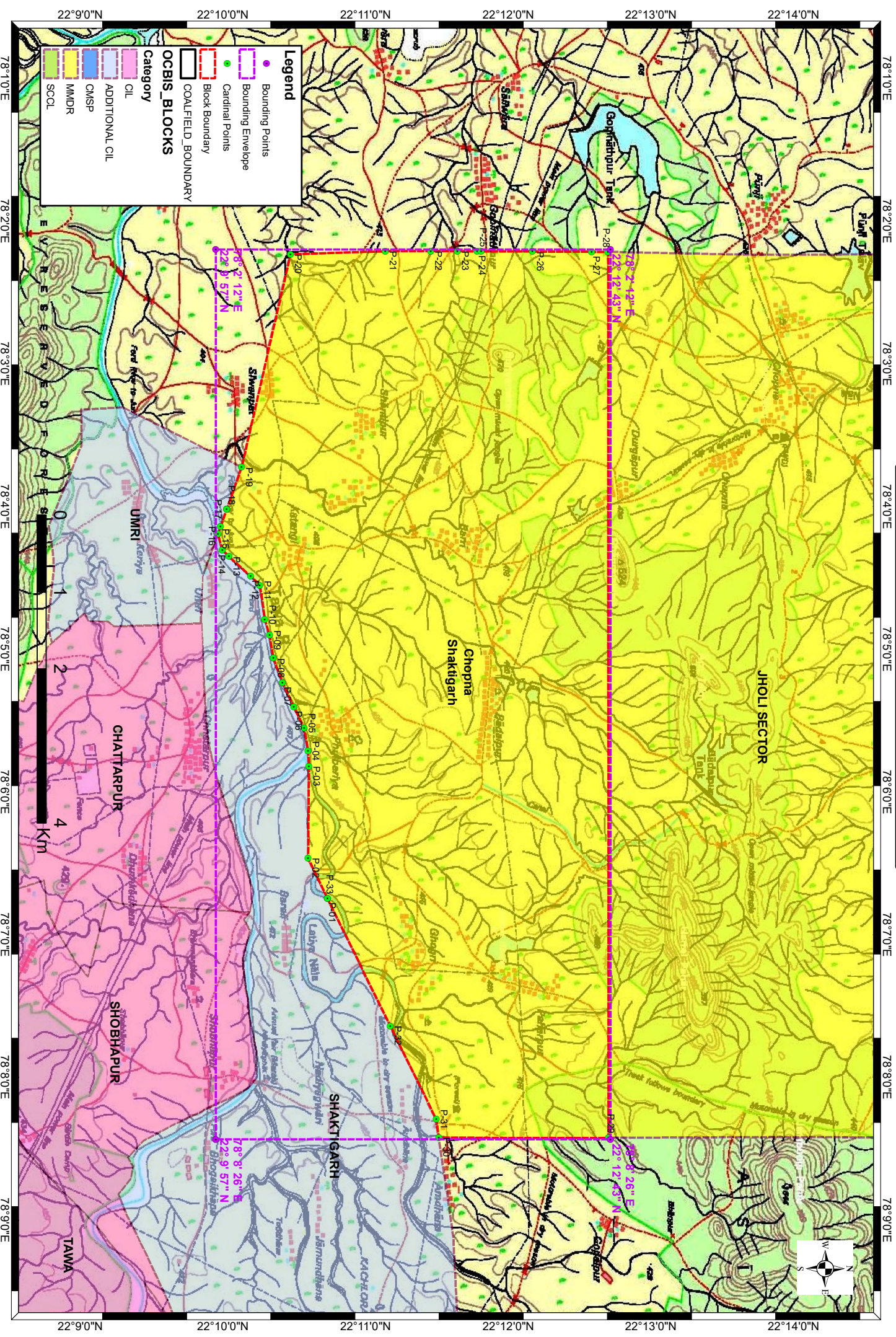
Disclaimer:

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.

Chopna Shaktigarh Block, Pench Kanhan Coalfield

FOR INTERNAL/RESTRICTED USE ONLY



Legend

- Bounding Points
 - Bounding Envelope
 - Cardinal Points
 - Block Boundary
 - COALFIELD_BOUNDARY
- OCBIS_BLOCKS**
- Category
- CIL
 - ADDITIONAL CIL
 - CMSP
 - MMDR
 - SCCL



Provisional Cardinal Points for Chopna Shaktigarh Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	78° 6' 44.811" E	22° 10' 43.936" N
P-2	78° 6' 27.877" E	22° 10' 35.827" N
P-3	78° 5' 49.278" E	22° 10' 36.165" N
P-4	78° 5' 42.768" E	22° 10' 35.823" N
P-5	78° 5' 33.157" E	22° 10' 34.195" N
P-6	78° 5' 24.248" E	22° 10' 29.741" N
P-7	78° 5' 14.140" E	22° 10' 25.115" N
P-8	78° 5' 3.690" E	22° 10' 21.175" N
P-9	78° 4' 54.096" E	22° 10' 19.633" N
P-10	78° 4' 47.585" E	22° 10' 17.577" N
P-11	78° 4' 33.194" E	22° 10' 15.521" N
P-12	78° 4' 29.254" E	22° 10' 11.581" N
P-13	78° 4' 21.031" E	22° 10' 2.501" N
P-14	78° 4' 18.289" E	22° 9' 59.704" N
P-15	78° 4' 11.578" E	22° 9' 57.923" N
P-16	78° 4' 8.448" E	22° 9' 59.034" N
P-17	78° 4' 1.163" E	22° 10' 1.619" N
P-18	78° 4' 1.162" E	22° 10' 1.618" N
P-19	78° 3' 43.503" E	22° 10' 7.884" N
P-20	78° 2' 14.028" E	22° 10' 28.407" N
P-21	78° 2' 12.736" E	22° 11' 8.228" N
P-22	78° 2' 12.693" E	22° 11' 27.329" N
P-23	78° 2' 12.742" E	22° 11' 38.594" N
P-24	78° 2' 12.778" E	22° 11' 46.943" N
P-25	78° 2' 12.784" E	22° 11' 48.525" N
P-26	78° 2' 12.863" E	22° 12' 10.198" N
P-27	78° 2' 12.992" E	22° 12' 35.080" N
P-28	78° 2' 13.049" E	22° 12' 41.949" N
P-29	78° 8' 25.453" E	22° 12' 42.162" N
P-30	78° 8' 25.336" E	22° 11' 30.805" N
P-31	78° 8' 17.504" E	22° 11' 29.648" N
P-32	78° 7' 38.316" E	22° 11' 10.322" N