

CHITARPUR COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1.	Location	
	Coal Block	CHITARPUR
	Latitude	23° 44' 49" N - 23° 46' 02" N (Provisional)
	Longitude	84° 46' 05" E - 84° 48' 44" E (Provisional)
	Topo Sheet No.	73 A/13 , 73 A/14
	Coalfield	North Karanpura
	Villages	Barwatoli, Hukutoli, Part of Chitarpur
	Tehsil/Taluka	Balumath
	District	Latehar
	State	Jharkhand
2.	Connectivity with Block	
	Nearest Rail Head	Nearest railhead is Tori on the Dehri-On-Sone-Barkakana-Gomoh broad gauge loop line of Eastern Railway, 10 km to the south.
	Road	The state highway 51 running from Chandwa through Balumath passes through the block on the western part of the sector.
	Airport	Ranchi
3.	Area	
	Geological Block Area	5.6 sq.km. (As per shape file. Refer Note No. 3)
	Forest Area	Approx. 22% (As per FSI map)
	Non-Forest Area	Approx. 78% (As per FSI map)
4.	Climate and Topography	
	Average Annual Rainfall	1200 mm to 1400 mm
	Temperature (Min. — Max.)	
	Local Surface Drainage Channels	The Barki Nadi originates on the high hills between Chitarpur and Chandwa in the west and joins the Damodar in the east. This is the principle drainage to which a number of streamlets join from both north and south.
	Rivers	Barki Nadi

5.	Exploration								
	Status	Explored in Detail							
	Exploration Agency	MECL, March'1983							
	Total Number of Boreholes with meterage	MECL: 153 Boreholes; 19420.50 m; GSI: 6 Boreholes, 1771.00 m Total: 159 Bhs; 21191.50 m							
	Borehole Density	Approx. 28 Boreholes/sq.km.							
	General Dip of Seams	10°-15° towards north in the western part, 7°-8° towards east in the west, 15°-50° towards south east in the north-western part.							
	General Strike Direction	WNW-ESE in the eastern part, N-S in the west, representing basin closure and WSW-ENE in the north-western part.							
6.	Coal Seams & Reserve:								
	Number of Coal Seams	Thickness Range (m)	Depth Range (m) (Floor)	Geological Reserve (MT)		Total Reserves for		Additional Reserves *	Grade
				Proved	Indicated	OC	UG		
	VI	0.60-1.85	23.86-219.96						F-G
	V	15.00-24.97	14.00-276.47	48.789	3.898	28.402	24.285		E
	IV	1.40-7.80	13.61-367.17						F-Ungr
	III Top	0.53-9.80	160.00-469.22						G-Ungr
	III Mid	0.09-1.64	20.40-472.58						
	III Bot	0.22-5.61	24.59-482.47						
	II Merged	14.04-31.55	21.50-524.52	40.294	4.64	23.92	21.014		D-E
	II Top	1.20-4.60	20.20-415.00	0.934	2.305	0.58	2.659		C-E
	II Mid	2.10-4.04	24.55-418.64	1.021	2.677	0.653	3.045		C-D
	II Bot	13.00-29.60	13.45-470.09	5.637	14.02	3.654	16.003		D-E
	I-J	0.16-3.58	16.90-520.40						F-Ungr
	I-I	0.25-3.38	13.50-349.55						G-Ungr
	I-H	4.11-10.50	24.67-364.00						F-Ungr
	I-G	0.10-1.80	30.97-344.93						
	I-F	0.16-5.20	14.75-409.80						E-Ungr
	I-E	4.10-10.64	7.90-421.90	12.741	2.149	0.652	14.238		D-F
	I-D	0.60-4.44	10.55-407.30						F-Ungr
	I-C	0.34-2.25	16.55-415.10						F-Ungr
	I-B	0.15-3.08	22.46-377.32						
	I-A	4.49-11.60	13.30-426.40	18.594	2.338	2.352	18.58		E-G
			Total	128.01	32.027	60.213	99.824	62.4	
			Grand Total	222.437					
Additional Reserves*- Underground and quarriable reserves (62.4 MT) of different grades have been established in Seam-VI, IV, III(Top), I-J, I-I, I-H, I-F, I-D, I-C on average thickness basis. <i>* The geological reserve as indicated in the Mining Plan is 174.62 Mt, whereas as per the Geological Report (Prepared by MECL in March 1983), the total geological reserve is 222.43 Mt.</i>									
7.	Surface Constraints	NH-99 and proposed rail line passes through the western part of the block.							
8.	Grade of the block	G13 (Provisional) based on weighted average grade as per grade-wise data available in GR.							

9.	Decision Support System (DSS) Analysis	Hydrology Info: Polygon touches wetland >10 Ha area (Lake/Pond)
10.	Eco Sensitive Zone (ESZ) Analysis	Approx. 21.2 km to the Tiger Corridor connecting Lawalong and Palamu, 23 km to the Lawalong WLS and 33 km to the Palamu Reserve from the North-western block boundary.

PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name and Address of Allottee	Corporate Ispat Alloys Limited (Abhijeet)
2.	Target Capacity as per Mining Plan	3.45 MTPA
3.	Status of Clearances/Approvals	
	Mining Plan/ Mine Closure Plan	47011/1(18)2000-CPAM/CA, 15/05/2012
	Forest Clearance	Stage I, (A)8-102/2011-FC; (B)8-102/2011-FC; (C)PCCF_ED WLB, Date: 22/02/2013
	Environmental Clearance	For 2 MTPA Capacity only; J-11015/254/2006-IA.IIM
	Mining Lease	Yet to be granted
	Land Acquisition	641.76 Ha as on 21/10/2014
	No. of PAFs as per Mining Plan/ Mine Closure Plan	152
4.	Surface Infrastructure already built, if any.	CHP & Coal Washery on completion stage as per data submitted

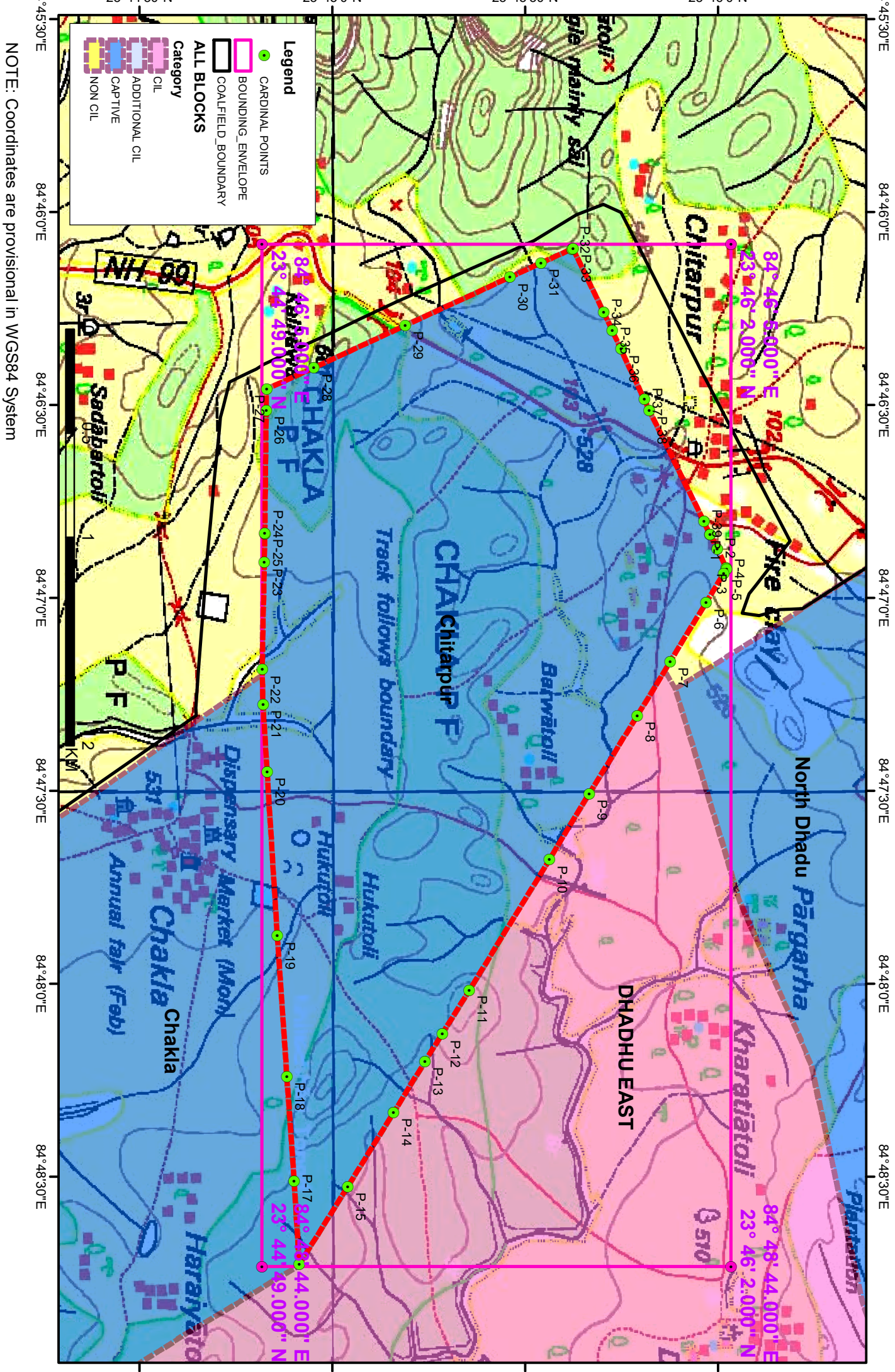
Note:

- 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.
- 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.
- 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.

Disclaimer:

- The analysis is done on Beta-version (Trial Version) of Decision Support System (DSS) of FSI / MOEF.
- The Decision Rules for various parameters of this DSS System are controlled by FSI.
- CMPDI only runs this DSS to obtain the status of any block based on these Decision Rules.
- The database of the Decision Rules is updated by FSI from time to time.
- 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.
- 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.

Chitarpur Block, North Karanpura Coalfield



NOTE: Coordinates are provisional in WGS84 System

23°44'30"N 23°45'0"N 23°45'30"N 23°46'0"N
 84°45'30"E 84°46'0"E 84°46'30"E 84°47'0"E 84°47'30"E 84°48'0"E 84°48'30"E

Legend

- CARDINAL POINTS
- BOUNDING_ENVELOPE
- COALFIELD_BOUNDARY

ALL BLOCKS

Category

- CIL
- ADDITIONAL_CIL
- CAPTIVE
- NON_CIL

Provisional Cardinal Points for Chitarpur Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 46' 50.103" E	23° 45' 58.733" N
P-2	84° 46' 52.380" E	23° 45' 59.851" N
P-3	84° 46' 55.306" E	23° 46' 1.242" N
P-4	84° 46' 55.485" E	23° 46' 1.328" N
P-5	84° 46' 56.235" E	23° 46' 0.849" N
P-6	84° 47' 0.746" E	23° 45' 58.095" N
P-7	84° 47' 9.922" E	23° 45' 52.551" N
P-8	84° 47' 18.380" E	23° 45' 47.409" N
P-9	84° 47' 30.466" E	23° 45' 39.912" N
P-10	84° 47' 40.735" E	23° 45' 33.730" N
P-11	84° 48' 1.012" E	23° 45' 21.292" N
P-12	84° 48' 7.810" E	23° 45' 17.055" N
P-13	84° 48' 12.116" E	23° 45' 14.364" N
P-14	84° 48' 20.044" E	23° 45' 9.524" N
P-15	84° 48' 31.562" E	23° 45' 2.361" N
P-16	84° 48' 43.646" E	23° 44' 54.827" N
P-17	84° 48' 30.693" E	23° 44' 54.024" N
P-18	84° 48' 14.494" E	23° 44' 52.900" N
P-19	84° 47' 52.546" E	23° 44' 51.418" N
P-20	84° 47' 27.051" E	23° 44' 49.850" N
P-21	84° 47' 16.599" E	23° 44' 49.185" N
P-22	84° 47' 11.182" E	23° 44' 49.073" N
P-23	84° 46' 54.508" E	23° 44' 49.404" N
P-24	84° 46' 50.063" E	23° 44' 49.492" N
P-25	84° 46' 49.900" E	23° 44' 49.477" N
P-26	84° 46' 30.882" E	23° 44' 49.711" N
P-27	84° 46' 27.526" E	23° 44' 49.752" N
P-28	84° 46' 24.225" E	23° 44' 57.100" N
P-29	84° 46' 17.630" E	23° 45' 11.348" N
P-30	84° 46' 10.140" E	23° 45' 27.613" N
P-31	84° 46' 7.928" E	23° 45' 32.431" N
P-32	84° 46' 5.755" E	23° 45' 37.243" N
P-33	84° 46' 5.675" E	23° 45' 37.420" N
P-34	84° 46' 15.572" E	23° 45' 42.172" N
P-35	84° 46' 18.427" E	23° 45' 43.521" N
P-36	84° 46' 21.309" E	23° 45' 44.863" N
P-37	84° 46' 29.133" E	23° 45' 48.507" N
P-38	84° 46' 30.848" E	23° 45' 49.306" N
P-39	84° 46' 48.120" E	23° 45' 57.776" N