

## NORTH DHADU COAL BLOCK SUMMARY

### PART A

Sr. No	Features	Details
<b>1. Location</b>		
	Coal Block	North Dhadu
	Latitude	23° 45' 53" N - 23° 47' 47" N (Provisional)
	Longitude	84° 46' 50" E - 84° 50' 34" E (Provisional)
	Topo Sheet No.	73 A/13, 73 A/14
	Coalfield	North Karanpura
	Villages	Bhaisaden, Makaiyatanr, Pargarha, Gerenja (As per SOI toposheet)
	Tehsil/Taluka	Balumath
	District	Latehar
	State	Jharkhand
<b>2. Connectivity with Block</b>		
	Nearest Rail Head	The nearest rail head is Tori on the Dehri-on-Sone-Barkakana-Gomoh Broad Gauge loop of the Eastern Railway, 15 km. to the south.
	Road	The State Highway 51 running from Chandwa to Balumath passes through the Block on the western part.
	Airport	
<b>3. Area</b>		
	Geological Block Area	11.33 sq.km. (As per shape file; Refer Note No. 3)
	Forest Area	Approx. 27 % (As per FSI plan)
	Non-Forest Area	Approx. 73 % (As per FSI plan)
<b>4. Climate and Topography</b>		
	Average Annual Rainfall	1200 mm-1400 mm
	Temperature (Min. — Max.)	As per the Annual Temperature Map of India (National Atlas), the area falls within the daily mean temperature zone 22.5°c to 25.0° c. The summers as well as winters are extreme.
	Local Surface Drainage Channels	The Barki Nadi originates on the high hills between Balumath and Chandwa in the west and joins the Damodar in the east. This is the immediate principal drainage to which a number of streamlets join from both south and north.
	Rivers	Rehara Nadi
<b>5. Exploration</b>		
	Status	Explored
	Exploration Agency	MECL, GSI

	Total Number of Boreholes with meterage	102 Boreholes; 22753.65 m (MECL: 95 Boreholes; 20443.80 m, GSI: 7 Boreholes; 2309.85 m				
	Borehole Density	Approx. 9 Boreholes/sq.km.				
	General Dip of Seams	5°-20° south easterly				
	General Strike Direction	EWE-WSW to NE-SW except in the south central part of the western sector where strike becomes E-W.				
<b>6.</b>	<b>Coal Seams &amp; Reserve</b>					
	Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)		Grade
				Proved	Indicated	
	VI	0.12-1.15	33.50-163.50	0.671	-	E-F
	V Top	2.70-7.16	49.25-101.90	4.827	0.11	E-G
	V Mid	0.10-1.15	52.35-102.80	0.766	0.061	D-F
	V Bot	11.57-16.72	114.27-176.40	20.083	-	F-G
	V Merged	13.63-27.00	38.20-233.85	137.87	19.759	D-UNG
	IV	5.04-12.37	23.00-255.65	89.292	-	F-G
	III A Top	0.60-3.13	23.40-239.85	1.271	0.221	E-UNG
	III A Bot	0.22-2.89	23.77-241.45	3.819	1.081	E-UNG
	III Merged	0.65-3.30	20.30-305.17	11.165	2.726	D-UNG
	III	2.60-8.41	58.45-336.45	-	-	-
	II Top	1.45-9.52	167.25-337.13	27.689	3.478	D-G
	II Mid	0.60-7.75	220.80-344.40	20.536	2.583	C-UNG
	II Bot	10.16-27.85	160.50-379.92	95.258	16.666	C-UNG
	II Merged	23.94-43.45	70.70-397.45	88.403	27.099	E-UNG
	I	12.44-40.02	100.40-432.95	242.851	105.66	F-G
		<b>Total</b>		<b>744.501</b>	<b>179.444</b>	
		<b>Grand Total</b>		<b>923.945</b>		
<b>7.</b>	<b>Surface Constraints</b>	NH-99 passes through the western part of the block. River crosses the block from the middle.				
<b>8.</b>	<b>Grade of the block</b>	G12 (Provisional) based on weighted average grade as per grade-wise data available in GR.				
<b>9.</b>	<b>Decision Support System (DSS) Analysis</b>	Hydrology Info: Polygon touches Rahera Nadi				
<b>10.</b>	<b>Eco Sensitive Zone (ESZ) Analysis</b>	Approx. 20.9 kms to the Tiger Corridor connecting Lawalong and Palamu, 22 kms to the Lawalong WLS from the North-western block boundary and 34 kms to the Palamu Reserve from the -western block boundary.				

#### PART B

Sl. No.	Features	Details
1.	<b>Previous Allocation</b>	
	Name and Address of Allocatee	Jharkhand Ispat Pvt Ltd., Pavanjay Steel & Power Ltd., Electrosteel Castings Ltd., Adhunik Alloys & Power Ltd.

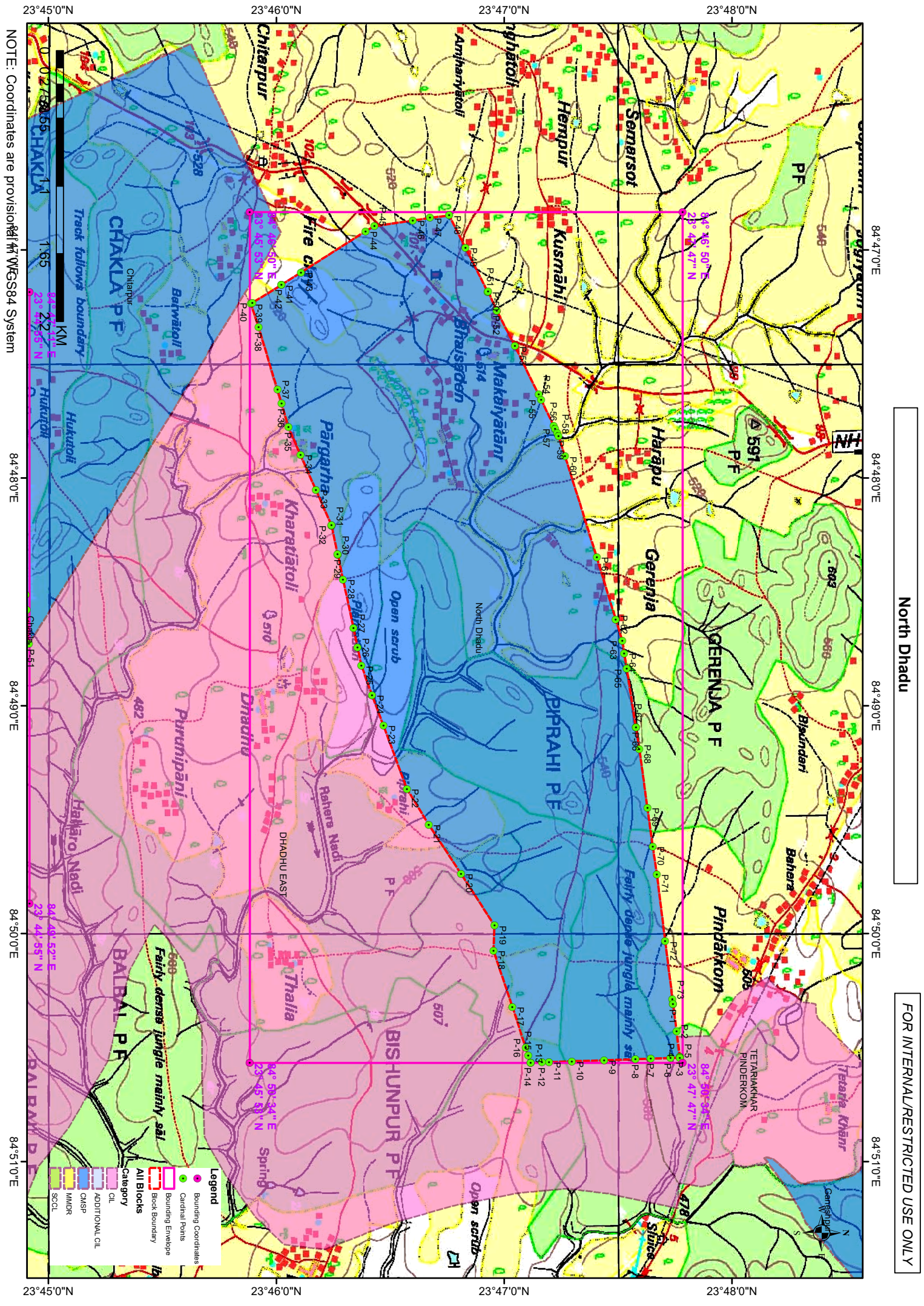
<b>2.</b>	<b>Mine Capacity as per Mining Plan</b>	<b>8.15 Mtpa</b>
<b>3.</b>	<b>Status of Clearances/Approvals</b>	
	Mining Plan/ Mine Closure Plan	MoC letter No. 13016/2005-CA-1 dt. 07.12.2010 Revised Mining Plan submitted vide letter dt. 07.05.2012
	Forest Clearance	--
	Environmental Clearance	--
	Mining Lease	Not granted
	Land Acquisition	84.4 Ha
<b>4.</b>	No. of PAFs	--

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.

**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.



NOTE: Coordinates are provisional. UTM WGS84 System

North Dhadu

FOR INTERNAL/RESTRICTED USE ONLY

23°45'0"N 23°46'0"N 23°47'0"N 23°48'0"N 84°47'0"E 84°48'0"E 84°49'0"E 84°50'0"E 84°51'0"E

### Provisional Cardinal Points for North Dhadu Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 50' 18.527" E	23° 47' 44.444" N
P-2	84° 50' 25.682" E	23° 47' 45.366" N
P-3	84° 50' 32.388" E	23° 47' 46.240" N
P-4	84° 50' 32.448" E	23° 47' 46.238" N
P-5	84° 50' 32.594" E	23° 47' 46.234" N
P-6	84° 50' 32.690" E	23° 47' 43.811" N
P-7	84° 50' 32.851" E	23° 47' 38.585" N
P-8	84° 50' 33.030" E	23° 47' 34.563" N
P-9	84° 50' 33.315" E	23° 47' 26.346" N
P-10	84° 50' 33.531" E	23° 47' 17.784" N
P-11	84° 50' 33.798" E	23° 47' 11.802" N
P-12	84° 50' 33.886" E	23° 47' 9.963" N
P-13	84° 50' 33.949" E	23° 47' 6.988" N
P-14	84° 50' 33.901" E	23° 47' 6.972" N
P-15	84° 50' 31.942" E	23° 47' 6.321" N
P-16	84° 50' 30.018" E	23° 47' 5.656" N
P-17	84° 50' 19.269" E	23° 47' 2.139" N
P-18	84° 50' 4.423" E	23° 46' 57.171" N
P-19	84° 49' 57.817" E	23° 46' 57.426" N
P-20	84° 49' 44.212" E	23° 46' 48.644" N
P-21	84° 49' 31.276" E	23° 46' 40.142" N
P-22	84° 49' 21.911" E	23° 46' 34.399" N
P-23	84° 49' 5.195" E	23° 46' 28.204" N
P-24	84° 48' 57.172" E	23° 46' 25.188" N
P-25	84° 48' 49.398" E	23° 46' 22.408" N
P-26	84° 48' 44.621" E	23° 46' 21.392" N
P-27	84° 48' 39.524" E	23° 46' 20.300" N
P-28	84° 48' 26.796" E	23° 46' 17.571" N
P-29	84° 48' 20.203" E	23° 46' 16.204" N
P-30	84° 48' 20.134" E	23° 46' 16.133" N
P-31	84° 48' 12.607" E	23° 46' 14.549" N
P-32	84° 48' 12.471" E	23° 46' 14.489" N
P-33	84° 48' 3.135" E	23° 46' 10.406" N
P-34	84° 47' 53.951" E	23° 46' 6.362" N
P-35	84° 47' 46.676" E	23° 46' 3.159" N
P-36	84° 47' 40.470" E	23° 46' 1.397" N
P-37	84° 47' 36.765" E	23° 46' 0.277" N
P-38	84° 47' 20.309" E	23° 45' 55.297" N
P-39	84° 47' 14.101" E	23° 45' 53.316" N
P-40	84° 47' 13.905" E	23° 45' 53.638" N
P-41	84° 47' 9.219" E	23° 46' 1.329" N
P-42	84° 47' 9.144" E	23° 46' 1.323" N
P-43	84° 47' 5.880" E	23° 46' 6.509" N
P-44	84° 46' 55.053" E	23° 46' 23.449" N
P-45	84° 46' 53.705" E	23° 46' 25.838" N
P-46	84° 46' 52.225" E	23° 46' 35.963" N
P-47	84° 46' 51.533" E	23° 46' 40.408" N

### **Provisional Cardinal Points for North Dhadu Block**

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	84° 46' 50.868" E	23° 46' 45.506" N
P-49	84° 46' 59.353" E	23° 46' 49.790" N
P-50	84° 47' 11.028" E	23° 46' 55.633" N
P-51	84° 47' 10.871" E	23° 46' 55.747" N
P-52	84° 47' 15.959" E	23° 46' 58.043" N
P-53	84° 47' 25.260" E	23° 47' 2.785" N
P-54	84° 47' 38.012" E	23° 47' 9.056" N
P-55	84° 47' 39.336" E	23° 47' 9.703" N
P-56	84° 47' 46.279" E	23° 47' 13.023" N
P-57	84° 47' 46.997" E	23° 47' 13.416" N
P-58	84° 47' 48.217" E	23° 47' 14.007" N
P-59	84° 47' 48.931" E	23° 47' 14.241" N
P-60	84° 47' 54.295" E	23° 47' 16.003" N
P-61	84° 48' 20.843" E	23° 47' 24.378" N
P-62	84° 48' 37.300" E	23° 47' 29.385" N
P-63	84° 48' 42.823" E	23° 47' 31.088" N
P-64	84° 48' 46.150" E	23° 47' 31.626" N
P-65	84° 48' 50.262" E	23° 47' 32.267" N
P-66	84° 49' 5.565" E	23° 47' 34.652" N
P-67	84° 49' 5.697" E	23° 47' 34.705" N
P-68	84° 49' 11.429" E	23° 47' 35.586" N
P-69	84° 49' 26.828" E	23° 47' 37.699" N
P-70	84° 49' 37.065" E	23° 47' 39.121" N
P-71	84° 49' 44.323" E	23° 47' 40.190" N
P-72	84° 50' 1.950" E	23° 47' 42.373" N
P-73	84° 50' 17.268" E	23° 47' 44.290" N