NORTH DHADU COAL BLOCK SUMMARY

PART A

Sl. No.	Features	Details
1.	**Location**	
	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
2.	**Connectivity with Block**	
	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	Ranchi
3.	**Area**	
	Geological Block Area	11.33 sq.km (As per shape file; Refer Note No. 3)
	Forest Area	Approx 20 % (As per FSI plan)
	Non-Forest Area	Approx. 80 % (As per FSI plan)
4.	**Climate and Topography**	
	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 temparature 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
5.	**Exploration**	
	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	ENE-WSW to NE-SW except in the south central part of the western sector where strike becomes E-W.

6. Coal Seams & Reserve

Number of 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
		Total	**744.501**	**179.444**	
		Grand Total	**923.945**		

7.	**Surface Constraints**	NA

PART B

Sl. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	Jharkhand Ispat Pvt Ltd., Pavanjay Steel & Power Ltd., Electrosteel Castings Ltd., Adhunik Alloys & Power Ltd.
2.	**Mine Capacity as per Mining Plan**	**8.15 Mtpa**
3.	**Status of Clearances/Approvals**	
	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	-Not available-
	Environmental Clearance	-Not available-
	Mining Lease	Not granted
	Land Acquisition	84.4 Ha

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.

North Dhadu Block, North Karanpura Coalfield

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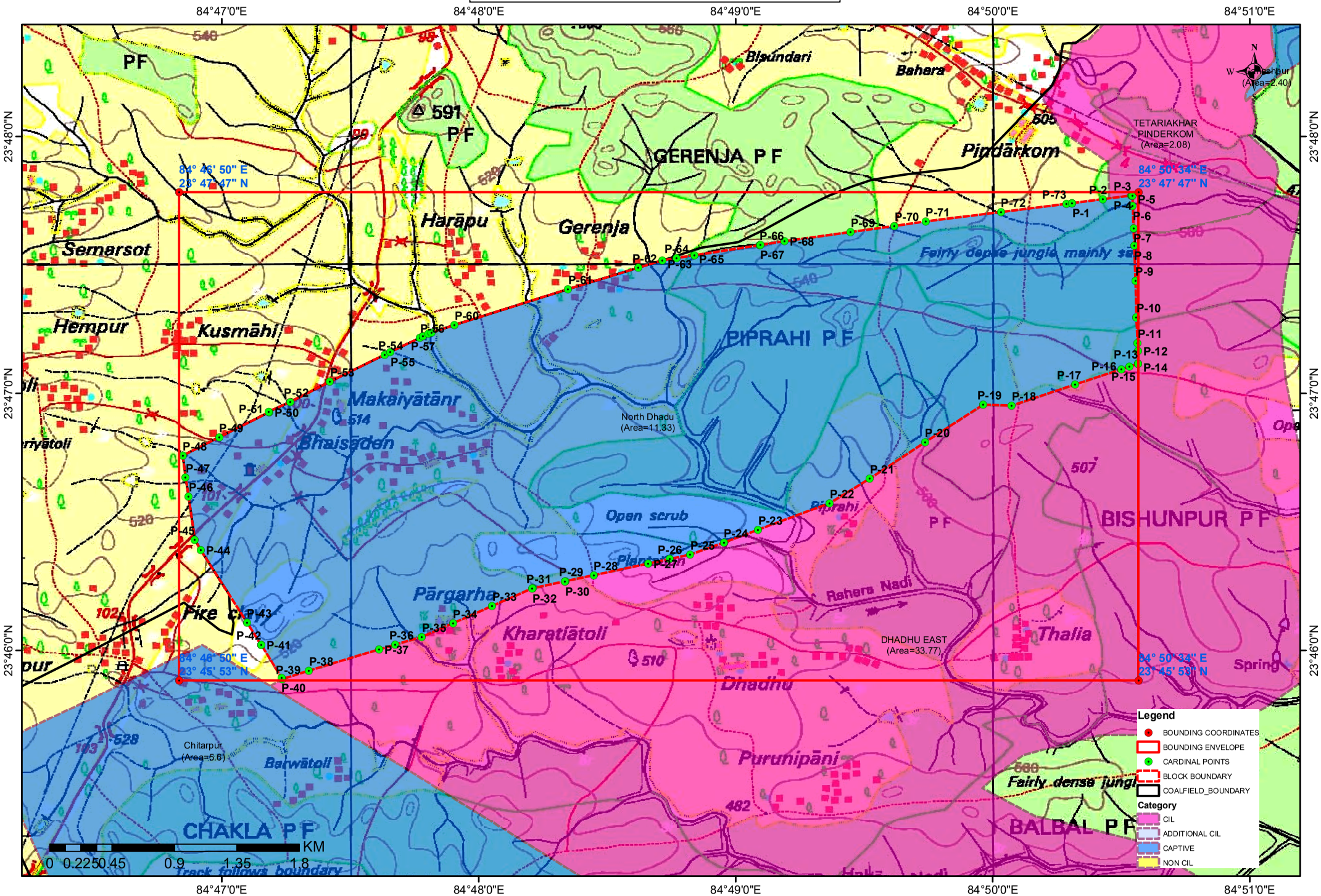

NOTE: Coordinates are provisional in WGS84 System

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