Chakla Coal Block Summary

PART A

Sr. No.	Features	Details
1.	**Location**	
	Coal Block	**Chakla**
	Latitude	23° 43' 01" N - 23° 44' 55" N (Provisional)
	Longitude	84° 47' 11" E - 84° 49' 52" E (Provisional)
	Topo Sheet No.	Toposheet No. 73 A/13, 14, Sheet no. 1 & 2
	Coalfield	North Karanpura Coalfield
	Villages	Chakla, Hariyatoli, Nawatoli, Amwatanr, Ambuatanr
	Tehsil/Taluka	Chandwa
	District	Latehar
	State	Jharkhand
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest rail head is Tori on the Dehrion-Sone-Barkakana-Gomoh Board loop of the Eastern Railway 10 Km. to the southwest.
	Road	State highway 51 passes through western part of adjoining Chitarpur Sector.
	Airport	Ranchi
3.	**Area**	
	Geological Block Area	8.63 sq km (As per shape file. Refer Note No. 3)
	Forest Area	About 55% (As per FSI Map)
	Non-Forest Area	About 15% (As per FSI Map)
4.	**Climate and Topography**	
	Average Annual Rainfall	1200mm-1400mm
	Temperature (Min. — Max.)	22.5-25°C
	Local Surface Drainage Channels	Barki Nadi originates on the high hills between Chitarpur & Chandwa in the west and join Damoder in the east. This is the principal drainage to which a number of streamlets join from both south and north. The Mahalani Nala originates in the northern part of the block and runs from north to south in an undulating fashion. Various other Nalas join it from the west.
	Rivers	Damodar River, Barki Nadi, Mahalani Nala etc.
5.	**Exploration**	
	Status	Explored
	Exploration Agency	MECL
	Total No. of Boreholes with meterage	37 boreholes & 3474.50m
	Borehole Density	4.1 boreholes per sq km
	General Dip of Seams	The strata are dipping at 5˚ to 15˚ easterly.
	General Strike Direction	Mostly N-S and swings towards NNW-SSE in the northwest part.

6.	**Coal Seams & Reserve**						
	Number of Coal Seams	Thickness Range (m)	Floor Depth Range (m)	Net Proved Reserves (Mt.)	Indicated Reserves (Mt.)	Total Reserves (Mt.)	Grade
	I E	1.50-4.78	17.61-141.20	10.199	13.738	23.937	G -E
	I D merged with I C	1.45-2.72	15.19-157.20	7.252	2.575	9.827	G-F
	I D TOP	0.23-1.04	15.19-157.20	1.263	2.355	3.618	G-E
	I C	0.50-1.33	32.06-162.25	1.506	4.939	6.445	G-D
	I A	0.00-4.33	16.82-179.70	17.351	14.875	32.226	G-F
	Total			**37.571**	**38.482**	**76.053**	
7.	**Surface Constraints**	NA					

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	M/s Essar Power Ltd. 21, Feroze Gandhi Road, Lajpat Nagar-III New Delhi-110024
2.	**Mine Capacity as per Mining Plan**	**5.3 MTY (As per approved Mining Plan)**
3.	**Status of Clearances/Approvals**	
	Mining Plan/ Mine Closure Plan	Approved by MoC
	Forest Clearance	No
	Environmental Clearance	No
	Mining Lease	No
	Land Acquisition	856.99 Ha
	No. of PAFs as per Mining Plan/ Mine Closure Plan	211
4.	Surface Infrastructure already built, if any.	No

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 may be 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.

Chakla

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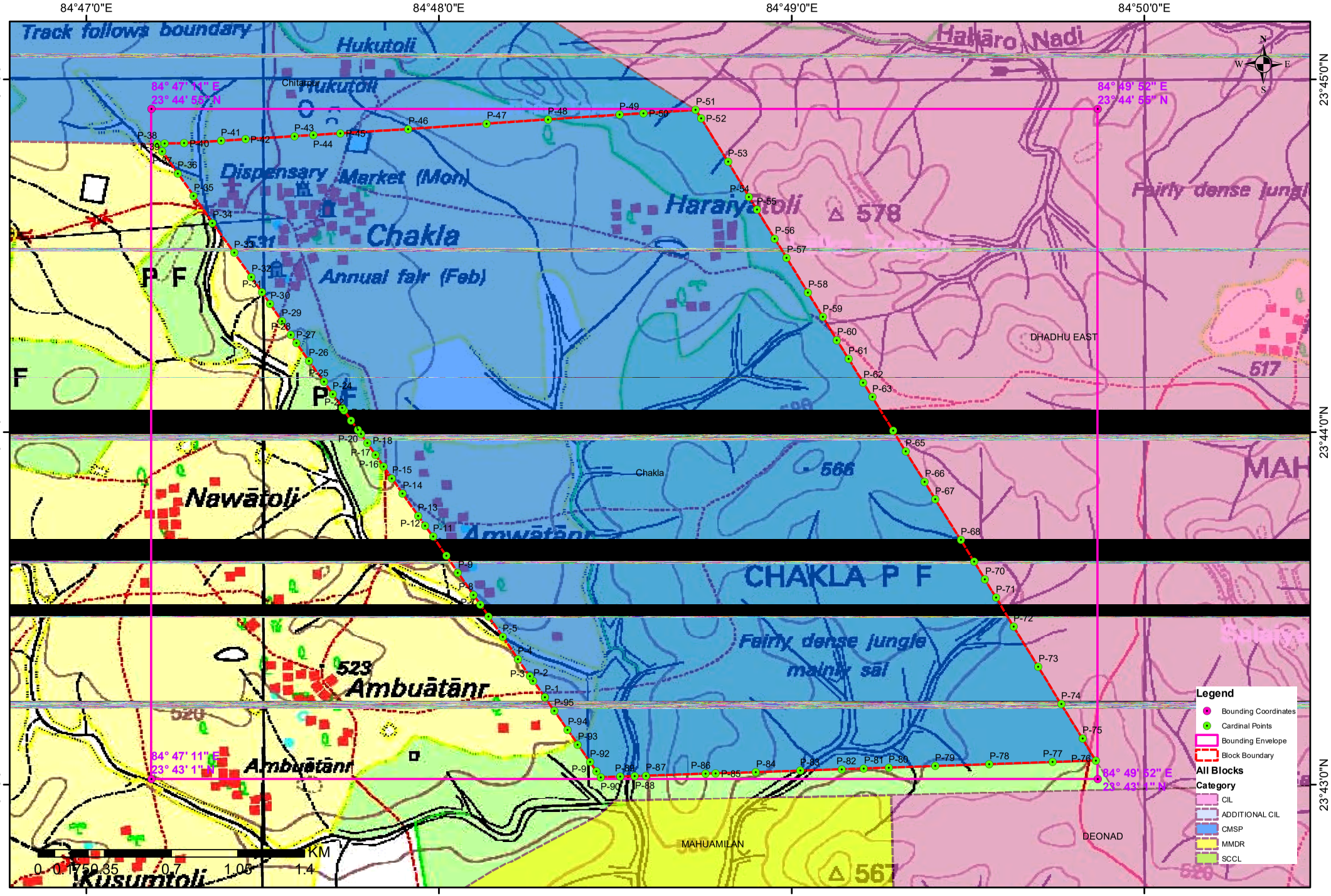

NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Chakla Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	84° 48' 17.956" E	23° 43' 14.874" N
P-2	84° 48' 16.027" E	23° 43' 17.658" N
P-3	84° 48' 15.378" E	23° 43' 18.466" N
P-4	84° 48' 13.406" E	23° 43' 21.370" N
P-5	84° 48' 10.791" E	23° 43' 25.212" N
P-6	84° 48' 8.418" E	23° 43' 28.617" N
P-7	84° 48' 7.029" E	23° 43' 30.653" N
P-8	84° 48' 5.825" E	23° 43' 32.304" N
P-9	84° 48' 3.211" E	23° 43' 36.076" N
P-10	84° 48' 1.202" E	23° 43' 38.963" N
P-11	84° 47' 58.924" E	23° 43' 42.233" N
P-12	84° 47' 57.594" E	23° 43' 44.106" N
P-13	84° 47' 56.445" E	23° 43' 45.749" N
P-14	84° 47' 53.766" E	23° 43' 49.537" N
P-15	84° 47' 51.976" E	23° 43' 52.126" N
P-16	84° 47' 50.550" E	23° 43' 54.161" N
P-17	84° 47' 49.191" E	23° 43' 56.119" N
P-18	84° 47' 47.759" E	23° 43' 58.140" N
P-19	84° 47' 46.668" E	23° 43' 59.685" N
P-20	84° 47' 46.152" E	23° 44' 0.426" N
P-21	84° 47' 45.037" E	23° 44' 1.984" N
P-22	84° 47' 43.831" E	23° 44' 3.716" N
P-23	84° 47' 43.552" E	23° 44' 4.120" N
P-24	84° 47' 41.881" E	23° 44' 6.478" N
P-25	84° 47' 40.375" E	23° 44' 8.608" N
P-26	84° 47' 37.842" E	23° 44' 12.105" N
P-27	84° 47' 35.697" E	23° 44' 15.168" N
P-28	84° 47' 34.766" E	23° 44' 16.553" N
P-29	84° 47' 33.229" E	23° 44' 18.870" N
P-30	84° 47' 31.229" E	23° 44' 21.829" N
P-31	84° 47' 29.853" E	23° 44' 23.798" N
P-32	84° 47' 28.058" E	23° 44' 26.395" N
P-33	84° 47' 25.092" E	23° 44' 30.524" N
P-34	84° 47' 21.457" E	23° 44' 35.577" N
P-35	84° 47' 18.261" E	23° 44' 40.197" N
P-36	84° 47' 15.546" E	23° 44' 44.038" N
P-37	84° 47' 12.901" E	23° 44' 47.790" N
P-38	84° 47' 11.980" E	23° 44' 49.089" N
P-39	84° 47' 13.322" E	23° 44' 49.117" N
P-40	84° 47' 16.599" E	23° 44' 49.185" N
P-41	84° 47' 22.890" E	23° 44' 49.585" N
P-42	84° 47' 27.051" E	23° 44' 49.850" N
P-43	84° 47' 35.358" E	23° 44' 50.361" N
P-44	84° 47' 38.581" E	23° 44' 50.559" N
P-45	84° 47' 43.223" E	23° 44' 50.845" N
P-46	84° 47' 54.763" E	23° 44' 51.568" N
P-47	84° 48' 8.072" E	23° 44' 52.466" N

Provisional Cardinal Points for Chakla Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	84° 48' 18.518" E	23° 44' 53.179" N
P-49	84° 48' 30.693" E	23° 44' 54.024" N
P-50	84° 48' 34.776" E	23° 44' 54.277" N
P-51	84° 48' 43.646" E	23° 44' 54.827" N
P-52	84° 48' 44.555" E	23° 44' 53.409" N
P-53	84° 48' 49.123" E	23° 44' 46.023" N
P-54	84° 48' 52.741" E	23° 44' 39.999" N
P-55	84° 48' 54.024" E	23° 44' 37.875" N
P-56	84° 48' 57.106" E	23° 44' 32.888" N
P-57	84° 48' 59.121" E	23° 44' 29.653" N
P-58	84° 49' 2.737" E	23° 44' 23.758" N
P-59	84° 49' 5.258" E	23° 44' 19.589" N
P-60	84° 49' 7.664" E	23° 44' 15.663" N
P-61	84° 49' 9.665" E	23° 44' 12.453" N
P-62	84° 49' 12.185" E	23° 44' 8.374" N
P-63	84° 49' 13.668" E	23° 44' 5.983" N
P-64	84° 49' 17.181" E	23° 44' 0.292" N
P-65	84° 49' 19.342" E	23° 43' 56.737" N
P-66	84° 49' 22.581" E	23° 43' 51.545" N
P-67	84° 49' 24.367" E	23° 43' 48.591" N
P-68	84° 49' 28.728" E	23° 43' 41.648" N
P-69	84° 49' 30.974" E	23° 43' 38.004" N
P-70	84° 49' 32.833" E	23° 43' 34.934" N
P-71	84° 49' 34.747" E	23° 43' 31.839" N
P-72	84° 49' 37.673" E	23° 43' 26.927" N
P-73	84° 49' 41.920" E	23° 43' 20.047" N
P-74	84° 49' 45.779" E	23° 43' 13.742" N
P-75	84° 49' 49.421" E	23° 43' 7.873" N
P-76	84° 49' 51.697" E	23° 43' 4.099" N
P-77	84° 49' 44.402" E	23° 43' 3.855" N
P-78	84° 49' 33.645" E	23° 43' 3.505" N
P-79	84° 49' 24.357" E	23° 43' 3.181" N
P-80	84° 49' 16.458" E	23° 43' 2.909" N
P-81	84° 49' 12.246" E	23° 43' 2.753" N
P-82	84° 49' 8.442" E	23° 43' 2.624" N
P-83	84° 49' 1.371" E	23° 43' 2.406" N
P-84	84° 48' 53.915" E	23° 43' 2.128" N
P-85	84° 48' 47.054" E	23° 43' 1.945" N
P-86	84° 48' 45.350" E	23° 43' 1.878" N
P-87	84° 48' 35.189" E	23° 43' 1.527" N
P-88	84° 48' 33.314" E	23° 43' 1.466" N
P-89	84° 48' 30.801" E	23° 43' 1.396" N
P-90	84° 48' 27.437" E	23° 43' 1.276" N
P-91	84° 48' 26.737" E	23° 43' 2.291" N
P-92	84° 48' 25.643" E	23° 43' 3.878" N
P-93	84° 48' 23.593" E	23° 43' 6.831" N
P-94	84° 48' 21.870" E	23° 43' 9.314" N

Provisional Cardinal Points for Chakla Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	84° 48' 19.564" E	23° 43' 12.568" N