URMA PAHARITOLA COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details
1.	**Location**	
	Coal Block	**Urma Paharitola**
	Latitude	$24^0$29'48"N- $24^0$32'21"N (PROVISIONAL)
	Longitude	$87^0$29'55"E- $87^0$31'36"E (PROVISIONAL)
	Topo Sheet No.	72P/10
	Coalfield	Rajmahal Group of Coalfields
	District	Dumka and Pakur
	State	Jharkhand
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest railhead is Muraroi, which is about 37 km from Amrapara.
	Road	This area is approachable from Amrapara by Amrapara-Alubera metalled road as well as from Durgapur along Durgapur Silingi forest road. Both Amrapara and Durgapur are connected by motorable Dumka-Pakur metalled road and are about 46 and 51km respectively from Dumka.
3.	**Area**	
	Geological Block Area	9.76 sq.km. (As per shape file. Refer Note)
	Forest Area	Approx. 15 % (As per FSI map)
	Non-Forest Area	Approx. 85 %(As per FSI map)
4.	**Climate and Topography**	
	Average Annual Rainfall	1000 mm
	Local Surface Drainage Channels	The terrain depicts, in general, a gently undulating topography with few isolated hillocks in the southern and northern part. The main coal bearing area with subdued topography is skirted on the northern, eastern and southern sides by hills of basic volcanic rocks. The general elevation of the low ground straddles between 80 m and 105 m, while the hill in the southern part attains a maximum altitude of 135 m above the mean sea level. Bansloi, the main surface run-off flowing from west to east drains the central part of the area. A few ephemeral streamlets originating from the northern and southern uplands and fed by the rain water, criss-cross the tract and eventually meet the Bansloi river, which together constitute the drainage system of the area.
	Rivers	Bansloi
5.	**Exploration**	
	Status	Regionally Explored
	Exploration Agency	GSI
	Total Number of Boreholes with meterage	10 Boreholes; 3805.55 m
	Borehole Density	Approx. 1 Borehole/sq.km.
	General Dip of Seams	Low (l°-3°) easterly and north-easterly dip
	General Strike Direction	N-S to NW-SE

6.	**Coal Seams & Reserve**					
	Number of Coal Seams	Thickness Range (m)	Floor Depth Range (m)	Geological Reserve (MT)		Grade
				Proved	Indicated	
	X	1.00-2.95	8.50-44.15	-	8.46	C-E
	L-10	0.27-0.75	34.20-84.50	-		E-F
	IX	0.80-13.40	44.18-110.37	-	58.11	B-G
	VIII	0.30-24.54	64.58-128.01	-	2.36	D-G
	VII	2.28-13.00	90.02-157.80	-	87.95	D-G
	L-7	0.30-0.80	101.50-165.55	-		F
	VI	2.13-7.20	112.20-174.03	-	44.42	E-F
	L-6	0.71-1.95	136.89-195.55	-		E-G
	V	5.15-19.00	163.45-236.80	-	103.22	D-E
	L-5	0.50-1.15	184.85-242.85	-		A-B
	IV	8.35-15.50	194.66-263.45	-	36.08	C-G
	III	1.03-2.02	217.07-275.62	-	16.46	B-D
	II TOP	4.20-6.15	231.60-297.70	-	66.70	C-E
	II MIDDLE	1.09-11.00	247.75-305.35	-	49.08	B-F
	II BOTTOM	4.15-5.83	285.60-344.78	-	73.91	D-F
	I	1.34-16.15	304.05-373.65	-	32.55	C-F
	L-1	0.55-0.59	324.29-330.62	-		D-E
		Total			**579.30**	
7.	**Surface Constraints**	Bansloi river passes through the middle of the block				

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	Jharkhand State Electricity Board, Bihar State Mineral Development Corporation Ltd.
2.	**Mining Plan**	
	Target Capacity as per Mining Plan	Mining Plan not available
	Tentative Peak Rated Capacity	**10.0 Mty**

Note:

1. The above data is compiled from the Final Report on Regional Exploration for Coal in Urma Paharitola Block to the East of Main Pachwara Basin, Rajmahal Group of Coalfields, Dumka and Pakur Districts, Jharkhand. For clarifications with regard to above data, please refer aforesaid source documents.

2. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.

Urma Paharitola

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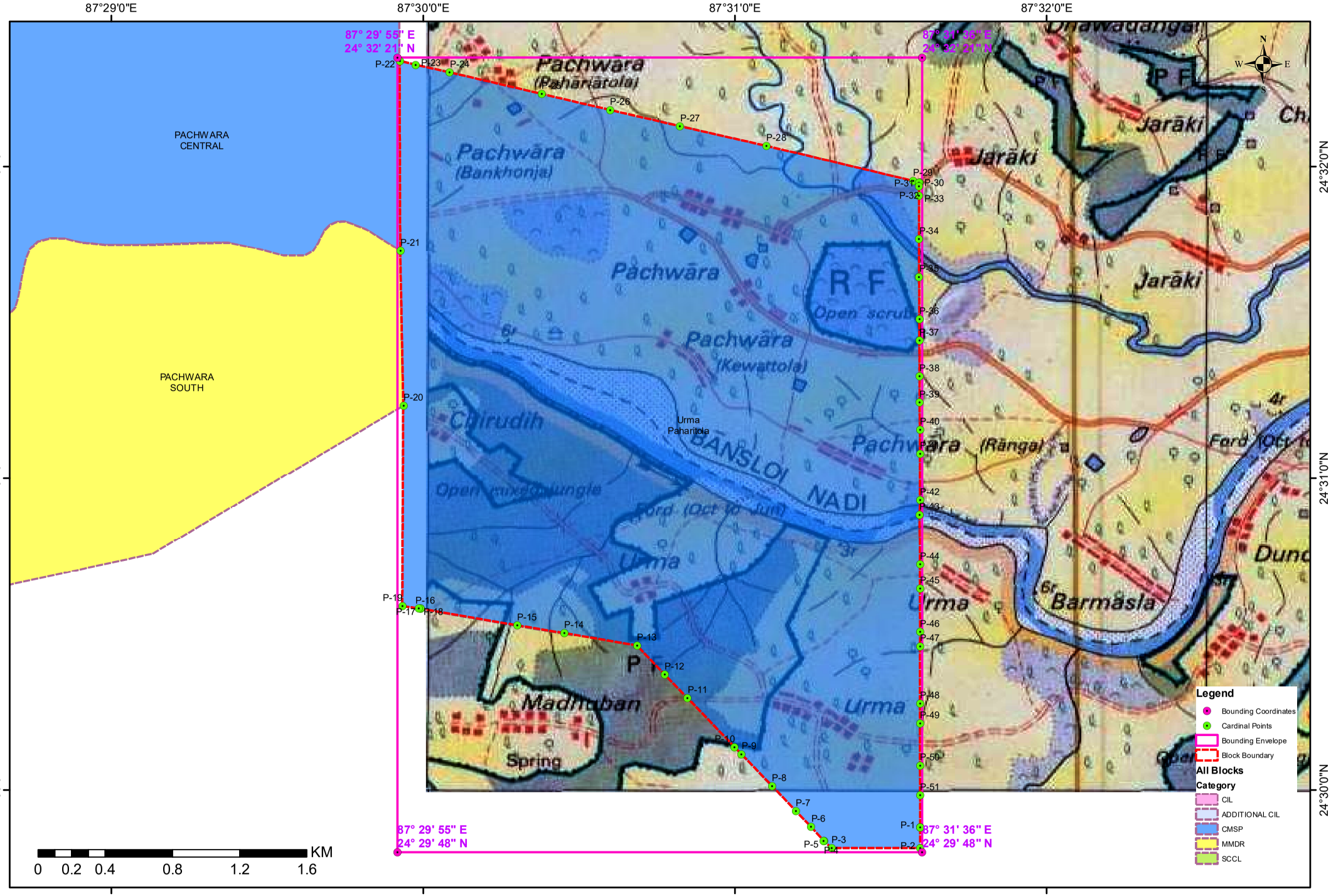

NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Urma Paharitola Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	87° 31' 35.641" E	24° 29' 52.799" N
P-2	87° 31' 35.613" E	24° 29' 48.815" N
P-3	87° 31' 18.555" E	24° 29' 48.801" N
P-4	87° 31' 17.159" E	24° 29' 50.188" N
P-5	87° 31' 17.065" E	24° 29' 50.172" N
P-6	87° 31' 14.637" E	24° 29' 52.899" N
P-7	87° 31' 11.687" E	24° 29' 55.941" N
P-8	87° 31' 7.163" E	24° 30' 0.734" N
P-9	87° 31' 1.239" E	24° 30' 6.888" N
P-10	87° 30' 59.914" E	24° 30' 8.247" N
P-11	87° 30' 50.840" E	24° 30' 17.673" N
P-12	87° 30' 46.440" E	24° 30' 22.213" N
P-13	87° 30' 41.100" E	24° 30' 27.808" N
P-14	87° 30' 27.125" E	24° 30' 30.197" N
P-15	87° 30' 18.086" E	24° 30' 31.697" N
P-16	87° 29' 59.444" E	24° 30' 34.906" N
P-17	87° 29' 59.443" E	24° 30' 34.944" N
P-18	87° 29' 59.059" E	24° 30' 34.962" N
P-19	87° 29' 55.970" E	24° 30' 35.407" N
P-20	87° 29' 56.150" E	24° 31' 13.977" N
P-21	87° 29' 55.557" E	24° 31' 43.813" N
P-22	87° 29' 55.449" E	24° 32' 20.348" N
P-23	87° 29' 58.591" E	24° 32' 19.565" N
P-24	87° 30' 5.073" E	24° 32' 18.128" N
P-25	87° 30' 22.734" E	24° 32' 13.985" N
P-26	87° 30' 35.995" E	24° 32' 10.891" N
P-27	87° 30' 49.434" E	24° 32' 7.742" N
P-28	87° 31' 6.025" E	24° 32' 3.983" N
P-29	87° 31' 34.269" E	24° 31' 57.243" N
P-30	87° 31' 35.458" E	24° 31' 56.966" N
P-31	87° 31' 35.397" E	24° 31' 56.893" N
P-32	87° 31' 35.424" E	24° 31' 56.195" N
P-33	87° 31' 35.416" E	24° 31' 54.407" N
P-34	87° 31' 35.410" E	24° 31' 46.021" N
P-35	87° 31' 35.430" E	24° 31' 38.739" N
P-36	87° 31' 35.471" E	24° 31' 30.607" N
P-37	87° 31' 35.479" E	24° 31' 26.519" N
P-38	87° 31' 35.526" E	24° 31' 19.627" N
P-39	87° 31' 35.530" E	24° 31' 14.597" N
P-40	87° 31' 35.558" E	24° 31' 9.360" N
P-41	87° 31' 35.564" E	24° 31' 4.719" N
P-42	87° 31' 35.577" E	24° 30' 55.807" N
P-43	87° 31' 35.515" E	24° 30' 52.936" N
P-44	87° 31' 35.601" E	24° 30' 43.449" N
P-45	87° 31' 35.557" E	24° 30' 38.809" N
P-46	87° 31' 35.622" E	24° 30' 30.448" N
P-47	87° 31' 35.585" E	24° 30' 27.668" N

Provisional Cardinal Points for Urma Paharitola Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	87° 31' 35.590" E	24° 30' 16.643" N
P-49	87° 31' 35.599" E	24° 30' 12.829" N
P-50	87° 31' 35.590" E	24° 30' 4.698" N
P-51	87° 31' 35.642" E	24° 29' 58.978" N