URTAN COAL BLOCK SUMMARY

Part A

Sl. No.	Features	Details
1.	**Location**	
	Coal Block	**Urtan**
	Latitude	23° 14' 44" N to 23° 15' 45" N (Approximate)
	Longitude	81° 59' 9" E to 82° 1' 8" E (Approximate)
	Topo Sheet No.	64 E/15 (RF 1:50,000)
	Coalfield	Sohagpur Coalfield
	Villages	Baskhali, Nawatola, Teliyatanr, Thorha (As per Survey of India Toposheet)
	District	Shahdol
	State	Madhya Pradesh
2.	**Connectivity with Block**	
	Nearest Rail Head	5km from Kotma Railway Station (on Anuppur-Chirimiri Section)
	Road	The block is well connected by a fair weather road to State Highway No. 14, which passes Just south of the block and is situated at 95km east from Shahdol.
	Airport	Swami Vivekananda International Airport (Raipur) is the nearest airport.
3.	**Area**	
	Geological Block Area	3.79 km^2
	Non-Forest Area	100%
4.	**Climate and Topography**	
	Average Annual Rainfall	1000-1700mm rainfall (mostly from June to September)
	Temperature (Min. - Max.)	7° °-46° C
	Local Surface Drainage Channels	An easterly flowlng nala in the northern part constitutes the nra in drainage of Urtan BIock. It drains into southerly flowirq Chouirer Nala just outside the block in the north-east.
	Rivers	
5.	**Exploration**	
	Status	Explored
	Borehole Density	15 BHs/km^2
	General Dip of Seams	The strata are in general having 10°-15° north-westerly dip. The dips are gentle in the north-western part varying from 5°-8°.
	General Strike Direction	The general strike of the coal bearing formation over major part of the block is NE-SW while in the eastern and western part of the block the strike takes a swing to become E-W and N-S respectively.

6.	**Coal Seams & Reserve (Proved+Indicated)**				
	Number of Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (Mt)	Grade
	V (Top)	0.17-2.61	57.63-310.55	3.4 0.967	W-III to W-IV G8-G12
	V (Top & Middle) Merged			0.414	W-III to W-IV
	V (Middle)	0.17-2.21	59.63-313.25	5.07 0.46	W-I to W-IV G8-G12
	V (Middle & Bottom) Merged			0.789 0.129	W-III to W-IV G8-G10
	V [(Middle & Bottom) (Top)] Merged			0.414	W-III to W-IV
	V Bottom (Top)	1.76-3.89	64.14-300.55	6.535	W-I to W-IV
	V Bottom (Bottom)	0.28-1.20	65.10-301.63	0.163 0.064	W-III to W-IV G10-G12
	V Bottom (Merged)	1.33-6.32	81.36-317.47	12.465 0.407	W-III to W-IV G8-G12
	V (Merged)	6.53	161.27	0.483	W - IV
	Index	0.33-3.46	80.65-334.40	11.768 0.073	W-I to W-IV G10-G12
	IV	0.05-2.52	150.90-375.70	7.035 0.436	W-III to W-IV G8-G12
	L-2	0.61-0.81	280.45-296.76		
	III	0.26-1.64	170.40-360.40	4.319	S-II to W-IV
	II	0.67-0.82			
			Total*	**55.391**	

* 52.153 Mt under 'Proved' category and 3.238 Mt under 'Indicated' category of reserve.

PART B

Sr. No.	Features	Details
1.	**Mining Plan**	Not prepared
2.	**Tentative Peak Rated Mine Capacity**	**0.65 MTY**

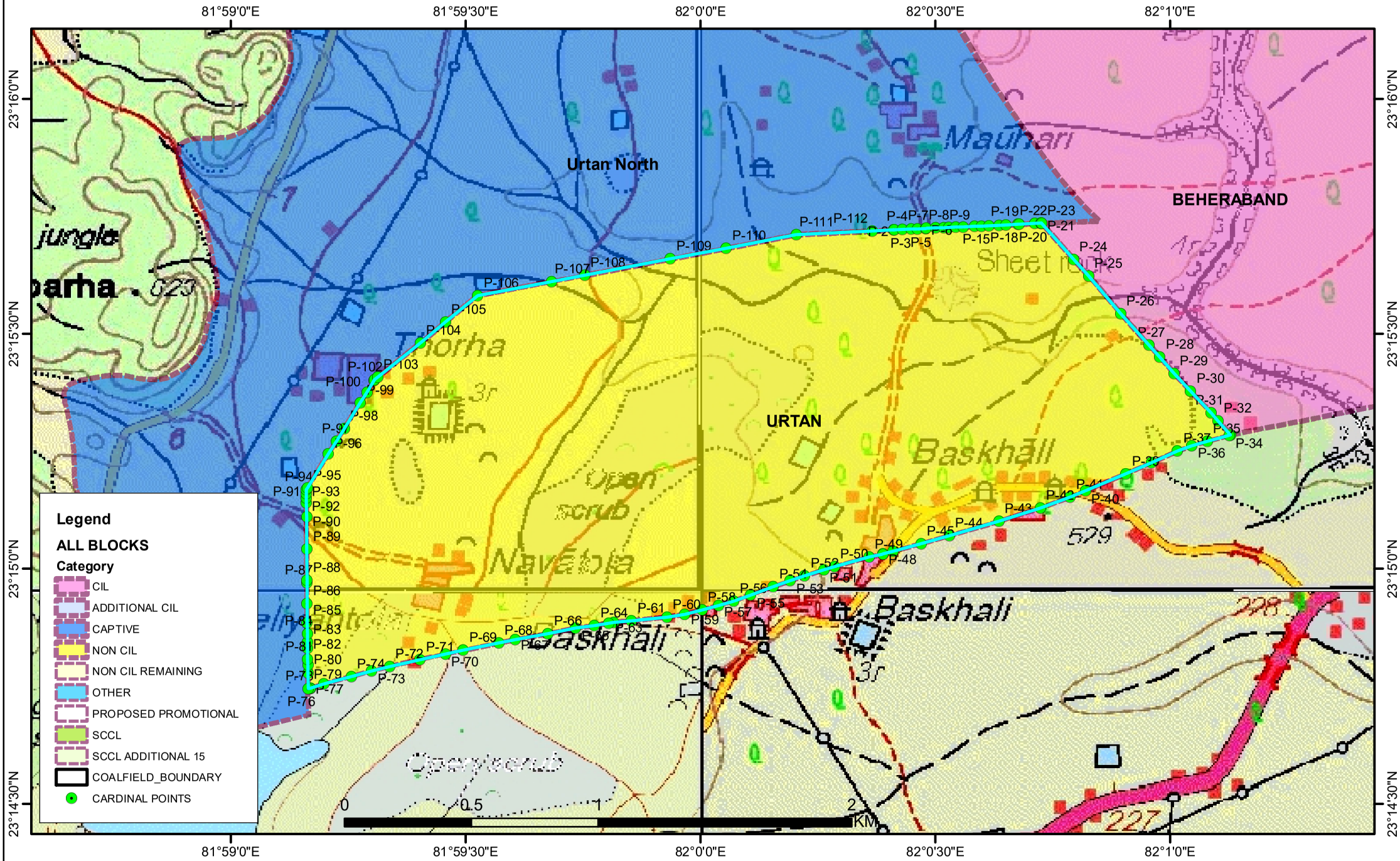
Note:

1. The above data in Part-A is compiled from Geological Report.

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.

URTAN



NOTE: Coordinates are approximate in WGS84 System

Co-ordinates (in WGS 84 System) of cardinal points of Urtan Coal Block

Sl. No.	Point ID	Longitude	Latitude
1	P-1	82° 0' 24.632" E	23° 15' 43.271" N
2	P-2	82° 0' 24.750" E	23° 15' 43.276" N
3	P-3	82° 0' 25.785" E	23° 15' 43.315" N
4	P-4	82° 0' 26.885" E	23° 15' 43.366" N
5	P-5	82° 0' 27.709" E	23° 15' 43.406" N
6	P-6	82° 0' 28.775" E	23° 15' 43.457" N
7	P-7	82° 0' 28.872" E	23° 15' 43.462" N
8	P-8	82° 0' 29.985" E	23° 15' 43.516" N
9	P-9	82° 0' 31.041" E	23° 15' 43.562" N
10	P-10	82° 0' 31.717" E	23° 15' 43.590" N
11	P-11	82° 0' 32.587" E	23° 15' 43.626" N
12	P-12	82° 0' 33.517" E	23° 15' 43.666" N
13	P-13	82° 0' 34.995" E	23° 15' 43.730" N
14	P-14	82° 0' 35.881" E	23° 15' 43.768" N
15	P-15	82° 0' 36.845" E	23° 15' 43.812" N
16	P-16	82° 0' 38.081" E	23° 15' 43.870" N
17	P-17	82° 0' 39.019" E	23° 15' 43.914" N
18	P-18	82° 0' 40.531" E	23° 15' 43.987" N
19	P-19	82° 0' 40.697" E	23° 15' 43.994" N
20	P-20	82° 0' 42.641" E	23° 15' 44.088" N
21	P-21	82° 0' 43.520" E	23° 15' 44.132" N
22	P-22	82° 0' 43.544" E	23° 15' 44.110" N
23	P-23	82° 0' 43.570" E	23° 15' 44.087" N
24	P-24	82° 0' 47.653" E	23° 15' 39.485" N
25	P-25	82° 0' 49.553" E	23° 15' 37.362" N
26	P-26	82° 0' 53.676" E	23° 15' 32.563" N
27	P-27	82° 0' 57.254" E	23° 15' 28.543" N
28	P-28	82° 0' 58.665" E	23° 15' 27.039" N
29	P-29	82° 1' 0.486" E	23° 15' 24.933" N
30	P-30	82° 1' 2.614" E	23° 15' 22.676" N
31	P-31	82° 1' 5.236" E	23° 15' 19.876" N
32	P-32	82° 1' 6.084" E	23° 15' 18.856" N
33	P-33	82° 1' 7.675" E	23° 15' 17.062" N
34	P-34	82° 1' 7.536" E	23° 15' 17.034" N
35	P-35	82° 1' 4.710" E	23° 15' 16.267" N
36	P-36	82° 1' 2.746" E	23° 15' 15.674" N
37	P-37	82° 1' 0.891" E	23° 15' 15.021" N
38	P-38	82° 0' 57.600" E	23° 15' 13.566" N
39	P-39	82° 0' 54.310" E	23° 15' 12.110" N

Sl. No.	Point ID	Longitude	Latitude
40	P-40	82° 0' 49.152" E	23° 15' 9.963" N
41	P-41	82° 0' 47.182" E	23° 15' 9.156" N
42	P-42	82° 0' 43.421" E	23° 15' 7.765" N
43	P-43	82° 0' 38.092" E	23° 15' 6.040" N
44	P-44	82° 0' 31.774" E	23° 15' 4.196" N
45	P-45	82° 0' 28.153" E	23° 15' 3.204" N
46	P-46	82° 0' 24.531" E	23° 15' 2.212" N
47	P-47	82° 0' 23.295" E	23° 15' 1.882" N
48	P-48	82° 0' 23.259" E	23° 15' 1.872" N
49	P-49	82° 0' 21.520" E	23° 15' 1.471" N
50	P-50	82° 0' 17.110" E	23° 15' 0.276" N
51	P-51	82° 0' 15.731" E	23° 14' 59.850" N
52	P-52	82° 0' 13.284" E	23° 14' 59.083" N
53	P-53	82° 0' 11.444" E	23° 14' 58.456" N
54	P-54	82° 0' 9.289" E	23° 14' 57.696" N
55	P-55	82° 0' 6.418" E	23° 14' 56.604" N
56	P-56	82° 0' 4.243" E	23° 14' 55.846" N
57	P-57	82° 0' 2.292" E	23° 14' 55.305" N
58	P-58	82° 0' 0.189" E	23° 14' 54.725" N
59	P-59	81° 59' 58.004" E	23° 14' 54.178" N
60	P-60	81° 59' 55.747" E	23° 14' 53.777" N
61	P-61	81° 59' 51.150" E	23° 14' 53.350" N
62	P-62	81° 59' 48.867" E	23° 14' 53.133" N
63	P-63	81° 59' 48.293" E	23° 14' 53.022" N
64	P-64	81° 59' 46.423" E	23° 14' 52.739" N
65	P-65	81° 59' 44.046" E	23° 14' 52.405" N
66	P-66	81° 59' 40.527" E	23° 14' 51.720" N
67	P-67	81° 59' 36.301" E	23° 14' 50.949" N
68	P-68	81° 59' 34.244" E	23° 14' 50.503" N
69	P-69	81° 59' 29.685" E	23° 14' 49.593" N
70	P-70	81° 59' 27.362" E	23° 14' 49.099" N
71	P-71	81° 59' 24.165" E	23° 14' 48.378" N
72	P-72	81° 59' 20.276" E	23° 14' 47.498" N
73	P-73	81° 59' 17.993" E	23° 14' 46.922" N
74	P-74	81° 59' 15.353" E	23° 14' 46.214" N
75	P-75	81° 59' 11.904" E	23° 14' 45.271" N
76	P-76	81° 59' 10.158" E	23° 14' 44.724" N
77	P-77	81° 59' 10.084" E	23° 14' 44.708" N
78	P-78	81° 59' 9.875" E	23° 14' 44.662" N

Sl. No.	Point ID	Longitude	Latitude
79	P-79	81° 59' 9.841" E	23° 14' 46.697" N
80	P-80	81° 59' 9.825" E	23° 14' 47.684" N
81	P-81	81° 59' 9.813" E	23° 14' 48.409" N
82	P-82	81° 59' 9.788" E	23° 14' 49.863" N
83	P-83	81° 59' 9.780" E	23° 14' 50.614" N
84	P-84	81° 59' 9.772" E	23° 14' 51.706" N
85	P-85	81° 59' 9.761" E	23° 14' 53.107" N
86	P-86	81° 59' 9.748" E	23° 14' 55.522" N
87	P-87	81° 59' 9.743" E	23° 14' 58.221" N
88	P-88	81° 59' 9.741" E	23° 14' 58.503" N
89	P-89	81° 59' 9.704" E	23° 15' 2.525" N
90	P-90	81° 59' 9.667" E	23° 15' 6.598" N
91	P-91	81° 59' 9.652" E	23° 15' 8.397" N
92	P-92	81° 59' 9.647" E	23° 15' 9.029" N
93	P-93	81° 59' 9.642" E	23° 15' 9.617" N
94	P-94	81° 59' 9.637" E	23° 15' 10.110" N
95	P-95	81° 59' 9.774" E	23° 15' 10.327" N
96	P-96	81° 59' 12.465" E	23° 15' 14.651" N
97	P-97	81° 59' 13.478" E	23° 15' 16.280" N
98	P-98	81° 59' 14.496" E	23° 15' 17.916" N
99	P-99	81° 59' 16.528" E	23° 15' 21.181" N
100	P-100	81° 59' 17.364" E	23° 15' 22.524" N
101	P-101	81° 59' 18.288" E	23° 15' 24.075" N
102	P-102	81° 59' 18.372" E	23° 15' 24.144" N
103	P-103	81° 59' 18.740" E	23° 15' 24.445" N
104	P-104	81° 59' 24.179" E	23° 15' 28.840" N
105	P-105	81° 59' 27.360" E	23° 15' 31.498" N
106	P-106	81° 59' 31.552" E	23° 15' 34.851" N
107	P-107	81° 59' 40.963" E	23° 15' 36.671" N
108	P-108	81° 59' 45.195" E	23° 15' 37.507" N
109	P-109	81° 59' 56.150" E	23° 15' 39.578" N
110	P-110	82° 0' 3.245" E	23° 15' 40.932" N
111	P-111	82° 0' 12.191" E	23° 15' 42.685" N
112	P-112	82° 0' 21.954" E	23° 15' 43.150" N