DOLESARA COAL BLOCK SUMMARY

PART A

Sr. No	Features	Details
1.	**Location**	
	Coal Block	**DOLESARA**
	Latitude	22° 07' 09" N to 22° 10' 29" N (Provisional in WGS84)
	Longitude	83° 23' 35" E to 83° 26' 17" E (Provisional in WGS84)
	Topo Sheet No.	64 N/8
	Coalfield	Mand Raigarh
	Villages	Dolesara, Barkaspali, Mahuapali
	Tehsil/Taluka	Gharghoda
	District	Raigarh
	State	Chhattisgarh
2.	**Connectivity with Block**	
	Nearest Rail Head	The nearest railway station is Raigarh which is 40 km away from Dolesara block lying on the Mumbai-Howrah main line of SECR.
	Road	Dolesara block is about 40 Km away from Raigarh township and is about 10 Km (aerial distance) to Tehsil Headquarters at Gharghoda which lies on Raigarh Ambikapur State Highway. Gharghoda is about 35 km. north of Raigarh Railway Station which is on Howrah-Bombay Main Line of South–Eastern Central Railway. A large part of the area of investigation is practically inaccessible during monsoon.
3.	**Area**	
	Geological Block Area	15.1 sq.km. (As per shape file) (Refer Note)
	Forest Area	0.22 sq.km. (As per GR)
4.	**Climate and Topography**	
	Average Annual Rainfall	1620mm
	Temperature (Min. — Max.)	18° C- 45° C
	Local Surface Drainage Channels	Pajhar Nadi flowing almost through the center of the block constitutes the main drainage system. Besides, there are a number of nalas present in the block. A few ponds are also located in the block.
	Rivers	Pajhar Nadi
5.	**Exploration**	
	Status	Explored in Detail
	Exploration Agency	MECL
	Total Number of Boreholes with meterage	181 Boreholes; 61685.80 m

	Borehole Density	Approx 12 Boreholes/sq.km.			
	General Dip of Seams	The dip of beds varies from 1º to 4º towards South-West.			
	General Strike Direction	The general strike of coal horizons is NW-SE in the major part of the block with minor swings.			
	Faults	5 faults are deciphered to evolve the structure of Dolesara block. Throw of faults varies from 0 - 50 m.			
6.	**Coal Seams & Reserve**				
	Sequence of Coal Seams	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)	Grade
	X LD	0.03-1.1	12.5-93.23		
	X LC	0.01-1.7	8.96-111.23		
	X LB	0.03-1.45	9.22-140.34		
	X LA	0.25-1.49	40.67-211.27	10.654	G8-G17
	X TOP	0.17-3.54	51.58-224.76	24.543	G8-G17
	X BOT	0.57-5.49	57.3-230.4	62.964	G8-G17
	X COMB	2.93-7.52	60.58-217.77	11.324	G10-G15
	IX L2	0.04-1.03	69.5-241.45		
	IX L1	0.58-2.02	88.2-258.66	8.347	G7-G17
	IX L	0.04-1.06	95.96-268.1	0.053	G9-G13
	IX	1.38-4.5	108-280.87	78.993	G7-G16
	VIII	0.05-2.08	122.94-299.5	11.188	G8-G17
	VIII L	0.48-4.31	132.79-309.4	61.039	G8-G16
	VII	1.54-7.28	151.23-330.75	109.841	G9-G16
	VI	3.56-12.57	170.5-346.95	178.731	G9-G15
	VI L	0.05-1.79	178.49-351.53	8.782	G9-G17
	V TOP	0.09-4	190.29-371.95	12.025	G7-G17
	V L2	0.18-3.81	195.75-377.4	4.292	G9-G17
	V MID	0.48-4.93	199.6-381.28	31.37	G6-G17
	V L1	0.06-3.62	206.24-392.8	7.662	G8-G16
	V BOT	0.05-1.16	213.04-398.65	0.854	G8-G17
	IV	0.1-0.63	256.8-405.5		
	III L	0.05-0.45	279.07-427.58		
	III	0.05-0.2	361.04-505.22		
	II	0.05-0.78	462.6-504.6		
	I L1	0.15-0.15	482.15-515.08		
	I TOP	0.31-0.57	522.69-563.98		
	I BOT	0.3-0.5	546.5-586		
	Total			**622.662**	
7.	**Surface Constraints**	Pajhar River & Nalas passes through the block. Proposed Rail Alignment in the North Western part of the Block			
8.	**Grade of the block**	G12 (Provisional) based on weighted average grade as per data available in GR.			

PART B

Sr. No.	Features	Details
1.	**Mining Plan**	Not prepared
2.	**Tentative Peak Rated Mine Capacity**	**1.74 MTY**

Note.

1. Above summary has been prepared based on the report titled 'Geological Report on Detailed Exploration For Coal - Dolesara Block, Under MoU with CMPDI, Mand-Raigarh Coalfield, District: Raigarh, Chhattisgarh'.

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 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.

Dolesara Block, Mand Raigarh Coalfield

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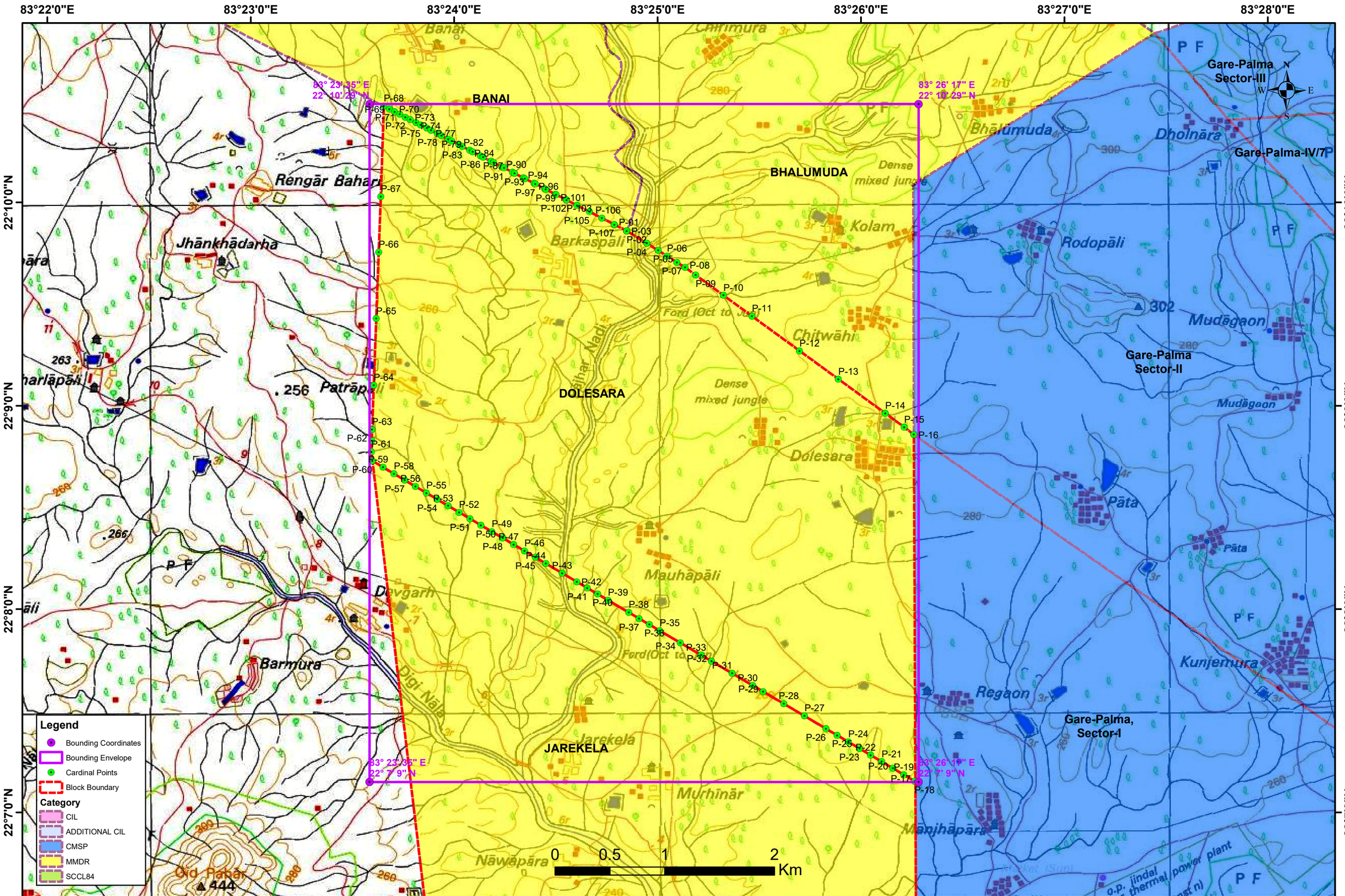

Note: The map is prepared on WGS84 coordinate system.

Provisional Cardinal Points of Dolesara Block		
POINT_ID	LONGITUDE	LATITUDE
P-01	83° 24' 47.242" E	22° 9' 53.456" N
P-02	83° 24' 50.917" E	22° 9' 51.567" N
P-03	83° 24' 50.917" E	22° 9' 51.574" N
P-04	83° 24' 56.811" E	22° 9' 47.882" N
P-05	83° 25' 0.174" E	22° 9' 45.776" N
P-06	83° 25' 2.810" E	22° 9' 44.124" N
P-07	83° 25' 5.711" E	22° 9' 42.294" N
P-08	83° 25' 8.122" E	22° 9' 40.784" N
P-09	83° 25' 11.232" E	22° 9' 38.535" N
P-10	83° 25' 19.415" E	22° 9' 32.569" N
P-11	83° 25' 27.840" E	22° 9' 26.427" N
P-12	83° 25' 41.881" E	22° 9' 16.188" N
P-13	83° 25' 53.346" E	22° 9' 7.829" N
P-14	83° 26' 7.154" E	22° 8' 57.759" N
P-15	83° 26' 12.770" E	22° 8' 53.663" N
P-16	83° 26' 15.580" E	22° 8' 51.495" N
P-17	83° 26' 16.036" E	22° 7' 9.197" N
P-18	83° 26' 15.809" E	22° 7' 9.241" N
P-19	83° 26' 12.612" E	22° 7' 11.133" N
P-20	83° 26' 9.415" E	22° 7' 13.025" N
P-21	83° 26' 6.125" E	22° 7' 14.976" N
P-22	83° 26' 2.834" E	22° 7' 16.927" N
P-23	83° 25' 59.544" E	22° 7' 18.878" N
P-24	83° 25' 56.254" E	22° 7' 20.829" N
P-25	83° 25' 52.963" E	22° 7' 22.780" N
P-26	83° 25' 49.673" E	22° 7' 24.731" N
P-27	83° 25' 43.333" E	22° 7' 28.478" N
P-28	83° 25' 37.234" E	22° 7' 32.072" N
P-29	83° 25' 31.135" E	22° 7' 35.665" N
P-30	83° 25' 28.085" E	22° 7' 37.462" N
P-31	83° 25' 21.986" E	22° 7' 41.055" N
P-32	83° 25' 15.887" E	22° 7' 44.648" N
P-33	83° 25' 12.837" E	22° 7' 46.444" N
P-34	83° 25' 6.738" E	22° 7' 50.037" N
P-35	83° 25' 0.638" E	22° 7' 53.630" N
P-36	83° 24' 57.589" E	22° 7' 55.427" N
P-37	83° 24' 54.539" E	22° 7' 57.223" N
P-38	83° 24' 51.483" E	22° 7' 59.027" N
P-39	83° 24' 45.370" E	22° 8' 2.633" N
P-40	83° 24' 42.314" E	22° 8' 4.437" N
P-41	83° 24' 39.258" E	22° 8' 6.240" N
P-42	83° 24' 36.201" E	22° 8' 8.043" N
P-43	83° 24' 31.862" E	22° 8' 10.603" N
P-44	83° 24' 27.033" E	22° 8' 13.453" N
P-45	83° 24' 23.976" E	22° 8' 15.256" N
P-46	83° 24' 20.760" E	22° 8' 17.157" N
P-47	83° 24' 17.544" E	22° 8' 19.058" N
P-48	83° 24' 14.328" E	22° 8' 20.958" N

Provisional Cardinal Points of Dolesara Block		
POINT_ID	LONGITUDE	LATITUDE
P-49	83° 24' 11.112" E	22° 8' 22.859" N
P-50	83° 24' 7.896" E	22° 8' 24.759" N
P-51	83° 24' 4.680" E	22° 8' 26.660" N
P-52	83° 24' 1.464" E	22° 8' 28.561" N
P-53	83° 23' 58.247" E	22° 8' 30.461" N
P-54	83° 23' 55.031" E	22° 8' 32.362" N
P-55	83° 23' 51.815" E	22° 8' 34.262" N
P-56	83° 23' 48.599" E	22° 8' 36.163" N
P-57	83° 23' 45.418" E	22° 8' 38.054" N
P-58	83° 23' 42.238" E	22° 8' 39.945" N
P-59	83° 23' 39.058" E	22° 8' 41.837" N
P-60	83° 23' 35.878" E	22° 8' 43.728" N
P-61	83° 23' 35.557" E	22° 8' 46.417" N
P-62	83° 23' 35.679" E	22° 8' 49.690" N
P-63	83° 23' 35.800" E	22° 8' 52.963" N
P-64	83° 23' 36.285" E	22° 9' 6.055" N
P-65	83° 23' 37.013" E	22° 9' 25.692" N
P-66	83° 23' 37.741" E	22° 9' 45.330" N
P-67	83° 23' 38.348" E	22° 10' 1.695" N
P-68	83° 23' 39.268" E	22° 10' 28.369" N
P-69	83° 23' 40.870" E	22° 10' 27.547" N
P-70	83° 23' 42.432" E	22° 10' 26.745" N
P-71	83° 23' 43.945" E	22° 10' 25.968" N
P-72	83° 23' 45.596" E	22° 10' 25.120" N
P-73	83° 23' 47.020" E	22° 10' 24.389" N
P-74	83° 23' 48.760" E	22° 10' 23.496" N
P-75	83° 23' 50.095" E	22° 10' 22.810" N
P-76	83° 23' 51.924" E	22° 10' 21.871" N
P-77	83° 23' 53.170" E	22° 10' 21.231" N
P-78	83° 23' 55.088" E	22° 10' 20.247" N
P-79	83° 23' 56.244" E	22° 10' 19.653" N
P-80	83° 23' 58.251" E	22° 10' 18.622" N
P-81	83° 23' 59.319" E	22° 10' 18.074" N
P-82	83° 24' 1.415" E	22° 10' 16.997" N
P-83	83° 24' 2.394" E	22° 10' 16.495" N
P-84	83° 24' 4.579" E	22° 10' 15.373" N
P-85	83° 24' 5.469" E	22° 10' 14.916" N
P-86	83° 24' 7.743" E	22° 10' 13.748" N
P-87	83° 24' 8.544" E	22° 10' 13.337" N
P-88	83° 24' 10.906" E	22° 10' 12.123" N
P-89	83° 24' 11.618" E	22° 10' 11.758" N
P-90	83° 24' 14.070" E	22° 10' 10.499" N
P-91	83° 24' 14.693" E	22° 10' 10.179" N
P-92	83° 24' 17.234" E	22° 10' 8.874" N
P-93	83° 24' 17.768" E	22° 10' 8.600" N
P-94	83° 24' 20.398" E	22° 10' 7.249" N
P-95	83° 24' 20.842" E	22° 10' 7.021" N
P-96	83° 24' 23.561" E	22° 10' 5.625" N

Provisional Cardinal Points of Dolesara Block		
POINT_ID	LONGITUDE	LATITUDE
P-97	83° 24' 23.917" E	22° 10' 5.442" N
P-98	83° 24' 26.725" E	22° 10' 4.000" N
P-99	83° 24' 26.992" E	22° 10' 3.863" N
P-100	83° 24' 29.888" E	22° 10' 2.375" N
P-101	83° 24' 30.066" E	22° 10' 2.284" N
P-102	83° 24' 33.052" E	22° 10' 0.750" N
P-103	83° 24' 33.141" E	22° 10' 0.705" N
P-104	83° 24' 36.216" E	22° 9' 59.125" N
P-105	83° 24' 39.891" E	22° 9' 57.236" N
P-106	83° 24' 43.566" E	22° 9' 55.346" N
P-107	83° 24' 47.242" E	22° 9' 53.456" N