MORGA II COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details
1.	**Location**	
	Coal Block	**MORGA II**
	Latitude	22º 44' 01" - 22º 47' 43" N (Provisional)
	Longitude	82º 33' 36" - 82º 37' 24" E (Provisional)
	Topo Sheet No.	F44K5
	Coalfield	Hasdeo-Arand
	Villages	Kendai, Sagdar
	Tehsil/Taluka	Kathgora
	District	Korba
	State	Chhattisgarh
2.	**Connectivity with Block**	
	Nearest Rail Head	No railway line passes through this coalfield. The Bijuri Bisrampur branch line of the S.E. Railways passes at a distance of 30 km. to 50 km. from the northern fringe of the coalfield at present is the nearest rail line for Tara area. From the southern part of the coalfield the nearest railway station is on the Korba-Gerva Road railway line which is at about 45 km. from the southern margin of the coalfield. Korba Rly. Station located on the eastern bank of Hasdo river is the nearest railhead for Morga area, Chirimiri, the end railway station of a branch line from Bijuri is located at about 50 km. north of Chotia area and Pendra Road Stn. on Bilaspuri-Katni section lying to the west is the nearest railhead for Chotia area.
	Road	State Highway No.5 connecting Bilaspur with Ambikapur, the district headquarter towns of Bilaspur and Surguja respectively passes through both Morga and Tara areas, Chotia area lying to the west of Hasdo river is accessible by a tar road which branches off from the above mentioned road near Marhai. In addition to the above the different parts of the coalfield are also accessible by fair weather roads. For instance, the area west of Hasdo river viz. Chotia area is also accessible by fair weather roads both from Pasan to the west and Chirimiri to the north. Likewise the area east of Hasdo river is accessible during fair weather from Korba in the south and Surajpur (a tehsil headquarter) and Kalua on the north. The last two places are located on an important State Highway connecting Ambikapur with Manendragarh town. Besides above, a number of fair weather forest and village roads criss-crosses the coalfield area.
	Airport	Raipur, Chhattisgarh
3.	**Area**	
	Geological Block Area	26.64 sq.km. (As per shape file. Refer Note No. 3)
	Forest Area	Approx. 85% (As per FSI Plan)
	Non-Forest Area	Approx. 15% (As per FSI Plan)
4.	**Climate and Topography**	
	Average Annual Rainfall	150 cm

	Temperature (Min. — Max.)	3° C-40° C
	Local Surface Drainage Channels	The area in general is a rugged one with a number of prominent hills, elevated table land and a rolling topography. Elevation of the explored area shows a variation from 395 m to 564 m above Mean Sea level. The area to the west of the Hasdo river, viz., Chotia area is rather a flat terrain with a few prominent land marks like Parladei Pahar (657 m.), Jata Pahar (577 m) Bilbandha Pahar (618 m), all more or less restricted along the southern fringe of the coalfields In the area to the east of Hasdo river, the prominent land mark is represented by Mahesh Pahar (930 m) which is located to the north of Morga area.
	Rivers	The area falls within the drainage of Hasdo river a major tributory of the Mahanadi river. From north eastern extremity of Chotia area, Hasdo changes its flow from easterly to southerly forming and deep gorge of more than 45 m depth at places.
5.	**Exploration**	
	Status	Regionally explored
	Exploration Agency	GSI
	General Dip of Seams	Generally 4°-5° with exceptions towards south.
	General Strike Direction	East-West

6. Coal Seams & Reserve

Number of Coal Seams	Thickness Range (m)	Depth Range (m) (Roof)	Geological Reserve (MT)		Grade (for proved reserve)
			Proved	Indicated	
VI	0.46-3.89	31-106	-	-	D
V	0.25-4.35	41-123	-	19.45	G
IV	6.95-15.97	23.45-202	-	231.54	C-D
III	0.35-4.16	19-225	-	45.47	B-C
I	0.13-5.85	94-307	-	46.66	B-C
IA	0.50-2.21	133	-	4.26	A-D
IB	0.30-2.85	38-252	-	3.33	A-D
Total			**-**	**350.70**	
Grand Total			**350.70**		

7.	**Surface Constraints**	NA

PART B

Sr. No.	Features	Details
1.	**Previous Allocation**	
	Name and Address of Allocatee	Gujarat Mineral Development Corporation
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 Regional Geological Report for Coal in Morga, Tara and Chotia Areas of Hasdo-Arand Coalfield. 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.

Morga II Block, Hasdeo Arand Coalfield

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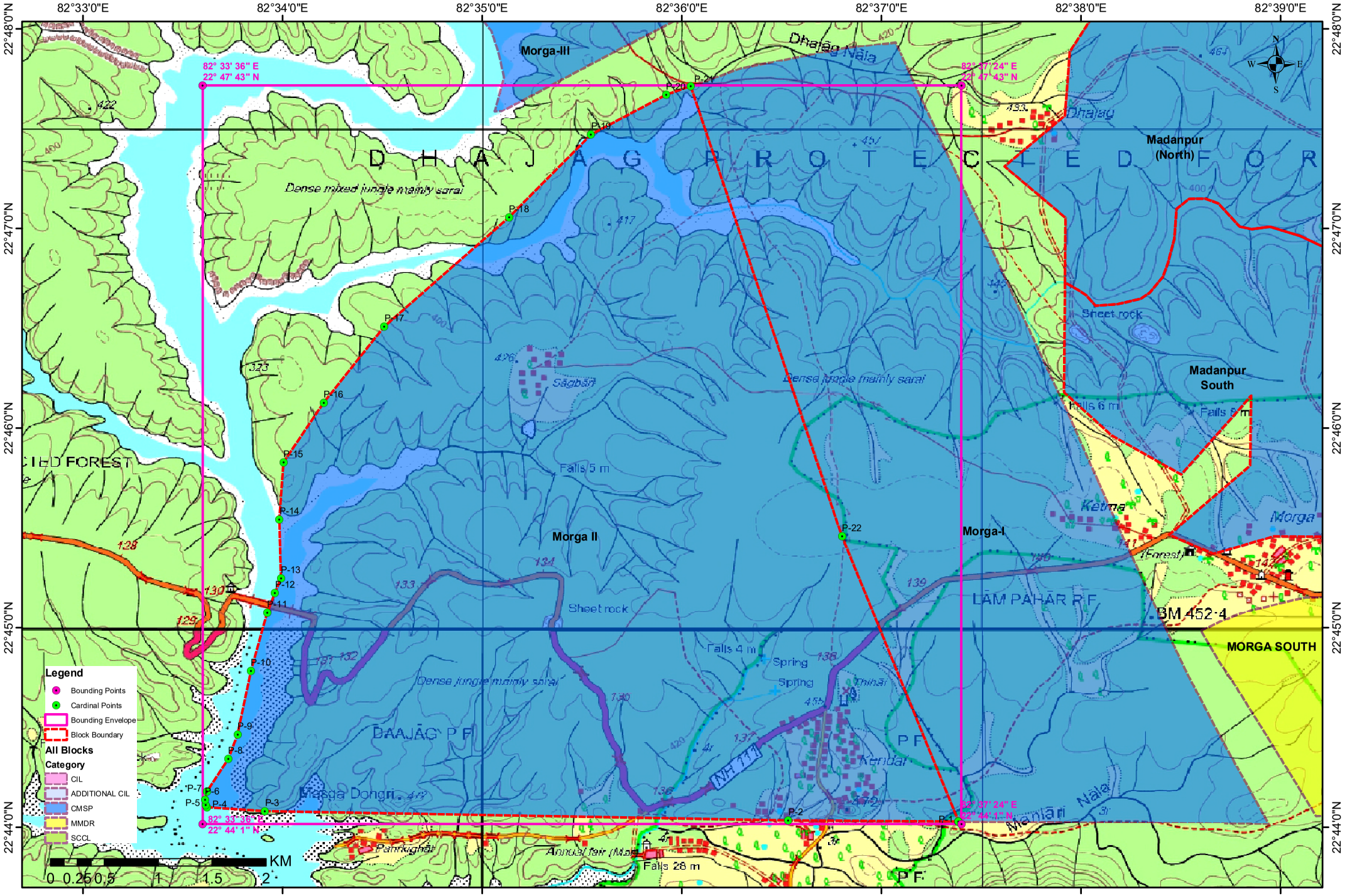

NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Morga II Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	82° 37' 23.174" E	22° 44' 1.756" N
P-2	82° 36' 32.042" E	22° 44' 2.090" N
P-3	82° 33' 54.663" E	22° 44' 4.862" N
P-4	82° 33' 37.363" E	22° 44' 6.033" N
P-5	82° 33' 36.822" E	22° 44' 6.737" N
P-6	82° 33' 36.649" E	22° 44' 8.317" N
P-7	82° 33' 37.285" E	22° 44' 10.748" N
P-8	82° 33' 43.717" E	22° 44' 20.592" N
P-9	82° 33' 46.470" E	22° 44' 27.878" N
P-10	82° 33' 50.504" E	22° 44' 47.023" N
P-11	82° 33' 55.387" E	22° 45' 4.548" N
P-12	82° 33' 57.743" E	22° 45' 10.484" N
P-13	82° 33' 59.495" E	22° 45' 14.875" N
P-14	82° 33' 59.023" E	22° 45' 32.540" N
P-15	82° 34' 0.281" E	22° 45' 49.722" N
P-16	82° 34' 12.374" E	22° 46' 7.659" N
P-17	82° 34' 30.584" E	22° 46' 30.540" N
P-18	82° 35' 8.099" E	22° 47' 3.381" N
P-19	82° 35' 32.750" E	22° 47' 28.255" N
P-20	82° 35' 55.274" E	22° 47' 40.206" N
P-21	82° 36' 2.642" E	22° 47' 42.815" N
P-22	82° 36' 48.124" E	22° 45' 27.487" N