

## MORGA-III COAL BLOCK SUMMARY

### PART A

Sr. No	Features	Details
<b>1.</b>	<b>Location</b>	
	Coal Block	<b>Morga - III</b>
	Latitude	22°47'35" to 22°49'38" N (Provisional)
	Longitude	82°34'21" to 82°36'16" E (Provisional)
	Topo Sheet No.	64 J/9
	Coalfield	Hasdo-Arand
	Villages	Botopal (As per SOI Toposheet)
	Tehsil/Taluka	
	District	Korba
	State	Chhattisgarh
<b>2.</b>	<b>Connectivity with Block</b>	
	Nearest Rail Head	The Bijuri Bistrampur branch line of S.E. Railway passes at a distance of about 45km in the northern part of the block. From the southern part the nearest railway station is on the Korba- Gevra Road railway line which is about 45kms.
	Road	State Highway no. 5 connecting Bilaspur with Ambikapur passes through Morga. In addition different parts of the coalfield are accessible by fair weather roads from Pasan to the west and Chirimiri to the north.
	Airport	Nearest airport is Raipur Airport.
<b>3.</b>	<b>Area</b>	
	Geological Block Area	6.00 Sq.km (As per shape file. Refer Note at the end)
	Forest Area	5.89 Sq.Km
	Non-Forest Area	0.11 Sq.Km
<b>4.</b>	<b>Climate and Topography</b>	
	Average Annual Rainfall	150 cm per annum( As per Regional Report)
	Temperature (Min. — Max.)	3° C-40° C( As per Regional Report)
	Local Surface Drainage Channels	The area falls within the drainage of Hasdo River, a major tributary of Mahanadi River. A number of tributaries flowing both from east and west join Hasdo River. The western tributaries include Kharpari, Kotmijhira and Parla Nalas. The eastern tributaries include Bissar, Manasi and Sagbari. In the North Eastern part the area is drained by Atem Nadi
	Rivers	The major river in the area is Hasdo river, a major tributary of Mahanadi River.
<b>5.</b>	<b>Exploration</b>	

	Status	Regionally Explored(Regional Exploration for Coal in Morga, Tara and Chotia Areas of Hasdo-Arand Coalfield, Bilaspur and Surguja Districts, Madya Pradesh, GSI, 1988)					
	Exploration Agency	Geological Survey of India					
	Total Number of Boreholes with meterage, with proposed meterage	2 bhs, Drilled Metereage – 474.85m (Only 1 borehole of the regional report falls inside Morga-III block and another borehole falls in the Eastern boundary of the block) (GSI); Proposed Meterage : 6000m					
	Borehole Density	0.33 bhs/Sq.Km					
	General Dip of Seams	The sediments of Hasdo-Arand coal basins shows more or less a uniform southerly low dip (3° to 6°) exhibiting monoclinial structure.					
	General Strike Direction	The strike extends E-W direction all along the basin length in the southern part of the Morga Area but swings over to NW – SE direction in south-western part of Chotia area.					
<b>6.</b>	<b>Coal Seams &amp; Reserve</b>						
	Number of Coal Seams	Thickness Range (m)	Depth Range (m) (Floor)	Geological Reserve (MT)	Grade	Geo. Reserve (Mt) considered for	
						OC	UG
	IV (IN HAM-12 ONLY)	9.83	14.48	<b>36</b>	-	-	-
	III (IN HAM-12 ONLY)	3.70	34.75				
	I	1.99-2.11	57.01-101.77				
	IA	1.20-2.21	62.81-112.03				
	IB	1.13-2.13	129.33-252.63				
	L3 (IN HAM-14 ONLY)	1.44	135.95				
		<b>Total</b>					
<b>7.</b>	<b>Surface Constraints</b>	Dhajag protected Forest, Hasdeo River flows in the Western boundary of the block.					
<b>8.</b>	<b>Grade of the block</b>	G7 (Provisional) based on weighted average grade assessed on the basis of data available from larger regionally explored block on Morga					

**Reference: Regional exploration for coal in Morga, Tara and Chotia areas of Hasdo-arand coalfield, Bilaspur and Surguja districts, Madhya Pradesh, GSI, 1988**

## PART B

<b>Sr. No.</b>	<b>Features</b>	<b>Details</b>
<b>1.</b>	<b>Previous Allocation</b>	
	Name of Allocatee	Madhya Pradesh State Mining Corporation Limited
<b>2.</b>	<b>Status of Mineral Exploitation</b>	--
<b>3.</b>	<b>Status of Clearances/Approvals</b>	--

### Note:

1. The Geological Reserve has been estimated based on the 2 boreholes falling in the block of the Regional Geological Report, hence the Seam Thickness range, depth range and Geological reserves are highly tentative.
2. The data and block boundary inferred from the above Regional GR is provisional as there is no specific GR for Morga - III block. No specific area of the referred block has been mentioned in the Regional GR of Morga, Tara, Chotia areas block, GSI, hence the provisional area as derived from the shape file of the block has been mentioned in the present summary.
3. The above data is compiled from Regional GR, 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.
4. The boundary of the block has been taken from Regional GR after conversion to WGS84 system by feature matching. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate.
5. There is a difference in area in the shape file and Regional GR. Area in the shape file is based on feature mapped plan of the block as given in the Regional GR. So, the area is tentative and field DGPS survey is required to ascertain the exact area.