

**DHOBBANPUR COAL BLOCK SUMMARY
PART A**

Sr. No.	Features	Details
1.	Location	
	Coal Block	Dhobbanpur
	Latitude	23° 58' 45" N-24° 1' 50" N (Provisional)
	Longitude	87° 37' 54" E-87° 41' 53" E (Provisional)
	Topo Sheet No.	Old- 72P/12 (R.F. 1:50000), New- G45V12
	Coalfield	Birbhum
	Villages	Satasal, Nutangram, Bajitpur, Upar Dumra, Sihutia, Bara Pathai, Harisara, Jayarampur, Heruka, Sahnagar, Bagdahari, Jashoda, Talipur, Gorala, Hosenganj, Patahi and Gadadharpur.
	Tehsil/Taluka	Sainthia
	District	Birbhum
	State	West Bengal
2.	Connectivity with Block	
	Nearest Rail Head	Mallarpur Railway Station (6 km from the Block).
	Road	Dhobbanpur Block is in south and east of Makhdumnagar Block and is located about 10-12 km southeast of Deocha Geologist camp and connected by unmetalled road to the Panagarh-Moregram National Highway (NH-60) that connects National Highway NH-2 and NH-34. It is well connected with Mallarpur Railway Station (6 km from the Block) in the north and Sainthiya Railway Station (3.5 km) in the south. Also, it can be approached either from Rampurhat or Siuri.
	Airport	Kazi Nazrul Islam Airport (Andal Airport).
3.	Area	
	Geological Block Area	18.87 Sq. Km.(As per shape file, Refer note below)
	Green Cover	The block is free from Protected and Reserve forest.
	Area excluding green cover	18.87 Sq. Km.
4.	Climate and Topography	
	Average Annual Rainfall	1430mm
	Temperature (Min. — Max.)	The Cold weather is from November to February and temperature drops to around 10°C. The summer months last from the middle of March to the middle of June and the temperature can shoot well above 40°C.

	Local Surface Drainage Channels	The terrain is mostly flat to low upland of rolling topography having average altitude between 40 to 60m above M.S.L. and is mostly covered with alluvium and a few lateritic cappings (duricrust). The overall slope of the area is towards east. The entire area is drained by the River Dwarka flowing from west to east and its tributaries. Small streamlets fed by rainwater have formed a dendritic drainage pattern in the area. Agricultural fields, well irrigated by canals, mostly cover the area.			
	Rivers	Dwarka Nadi flowing from west to east.			
5.	Exploration				
	Status	Regionally Explored			
	Exploration Agency	GSI			
	Total Number of Boreholes with meterage	10 Boreholes; 5650.90m (Dhobbanpur Sector: BDB-3 & 5, Heruka Sector: BHK-1 to 8)			
	Borehole Density	0.52 Bhs per Sq.Km.			
	General Dip of Seams	Easterly dip of about 1o to 2o (average 1.5o).			
	General Strike Direction	Almost N-S strike direction.			
	Faults	Two faults (F1-F1 and F2-F2) has been identified with in the area.			
6.	Coal Seams & Reserve (As per GSI Report)				
	Coal Seam	Thickness Range (m)	Depth Range (m)	Resources (mt)	Grade
	Seam –IV	3.50-3.55	440.50-482.25		E-F
	Seam –III	3.31-12.44	396.32-574.45		D-G
	Seam –II	1.90-6.10	459.25-659.05		B-G
	Seam-I	0.30-5.92	540.20-735.80		-
	TOTAL			66.93	
7.	Surface Constraints	NA			
8.	Grade of coal	G11 (Provisional) based on weighted average grade as per grade-wise data available in Regional GR.			
9.	Decision Support System (DSS) Analysis	Hydrology info: The polygon is within 250 meters of major river(s)- Kulia N & Dwarka Nadi			
10.	Eco Sensitive Zone (ESZ)	Approx. 101 km from the boundary of ESZ of Udawa lake			

Note:

1. The summary has been compiled from “Final Report on Regional Exploration for Gondwana Coal under the Cover of Tertiary Sedimentary in Dhobbanpur Sector, Birbhum Coalfield,

Birbhum District, West Bengal. 2010-12 & Final Report on Regional Exploration for Gondwana Coal under the Cover of Tertiary Sedimentaries in Heruka Sector, Birbhum Coalfield, Birbhum District, West Bengal-2014”.

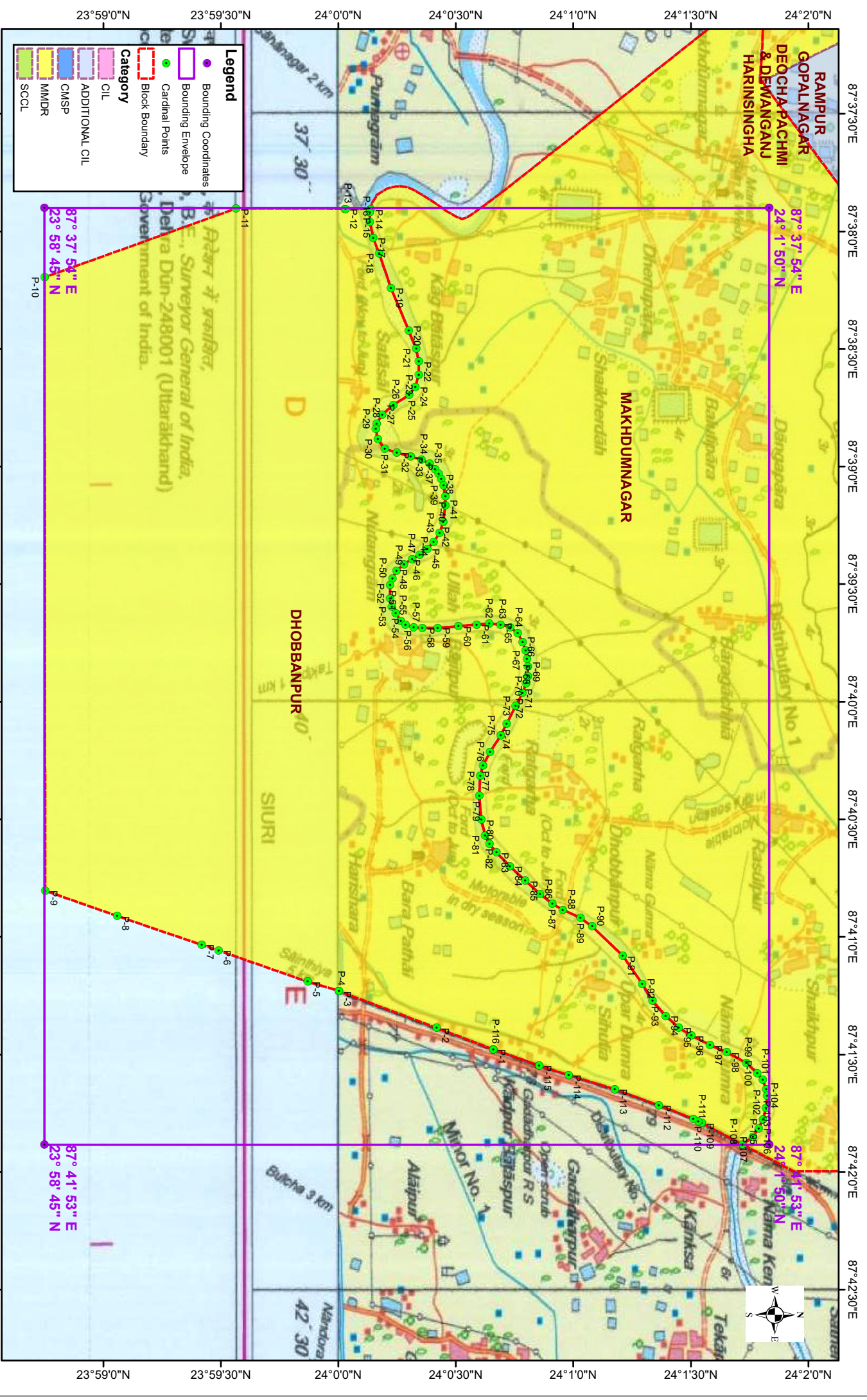
2. The resources of Dhobbanpur Sector of GSI is 74.19MT in 12.5 sqkm area and of Heruka Sector it is 11.60MT for 13.5 sqkm. The resources have been re-estimated from the data of both the sectors in the revised block boundary.
3. The block boundary is provisional and the cardinal points, bounding co-ordinates are approximate. Field DGPS survey is required to ascertain the exact area.

Disclaimer:

1. The analysis is done on Beta-version (Trial Version) of Decision Support System (DSS) of FSI / MOEF.
2. The Decision Rules for various parameters of this DSS System are controlled by FSI.
3. CMPDI only runs this DSS to obtain the status of any block based on these Decision Rules.
4. The database of the Decision Rules is updated by FSI from time to time.
5. CMPDI does not own any responsibility for variation in the results which are based on the Decision Rules of the FSI DSS in case of any updation of the database at FSI end.
6. ESZ analysis and tiger habitat/ corridor given here is based on the information available in public domain. Bidders are encouraged to verify this information and any other information additionally available.

Dhobbampur Block, Birhum Coalfield

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Note: Data is in WGS84 coordinate system.

Provisional Cardinal Points for DHOBANPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	87° 41' 28.655" E	24° 0' 39.535" N
P-2	87° 41' 23.207" E	24° 0' 25.109" N
P-3	87° 41' 13.819" E	24° 0' 0.131" N
P-4	87° 41' 13.739" E	24° 0' 0.163" N
P-5	87° 41' 11.420" E	23° 59' 52.178" N
P-6	87° 41' 3.431" E	23° 59' 29.429" N
P-7	87° 41' 1.998" E	23° 59' 25.109" N
P-8	87° 40' 54.631" E	23° 59' 3.523" N
P-9	87° 40' 48.190" E	23° 58' 45.198" N
P-10	87° 38' 11.717" E	23° 58' 45.058" N
P-11	87° 37' 54.138" E	23° 59' 33.913" N
P-12	87° 37' 54.220" E	24° 0' 1.720" N
P-13	87° 37' 54.226" E	24° 0' 1.839" N
P-14	87° 37' 54.323" E	24° 0' 8.223" N
P-15	87° 37' 55.100" E	24° 0' 8.035" N
P-16	87° 37' 57.498" E	24° 0' 8.035" N
P-17	87° 38' 1.695" E	24° 0' 8.892" N
P-18	87° 38' 5.550" E	24° 0' 10.434" N
P-19	87° 38' 14.459" E	24° 0' 13.432" N
P-20	87° 38' 25.338" E	24° 0' 17.972" N
P-21	87° 38' 29.878" E	24° 0' 19.856" N
P-22	87° 38' 33.218" E	24° 0' 20.542" N
P-23	87° 38' 36.559" E	24° 0' 20.542" N
P-24	87° 38' 39.643" E	24° 0' 19.685" N
P-25	87° 38' 41.699" E	24° 0' 18.143" N
P-26	87° 38' 44.269" E	24° 0' 14.031" N
P-27	87° 38' 46.753" E	24° 0' 11.205" N
P-28	87° 38' 48.980" E	24° 0' 9.834" N
P-29	87° 38' 50.351" E	24° 0' 9.577" N
P-30	87° 38' 52.920" E	24° 0' 10.091" N
P-31	87° 38' 55.490" E	24° 0' 11.890" N
P-32	87° 38' 56.433" E	24° 0' 14.888" N
P-33	87° 38' 57.460" E	24° 0' 18.486" N
P-34	87° 38' 58.231" E	24° 0' 21.227" N
P-35	87° 38' 59.174" E	24° 0' 23.283" N
P-36	87° 39' 0.716" E	24° 0' 24.739" N
P-37	87° 39' 1.829" E	24° 0' 25.596" N
P-38	87° 39' 3.200" E	24° 0' 26.281" N
P-39	87° 39' 4.742" E	24° 0' 26.880" N
P-40	87° 39' 7.654" E	24° 0' 27.309" N
P-41	87° 39' 9.796" E	24° 0' 27.309" N
P-42	87° 39' 14.113" E	24° 0' 26.778" N
P-43	87° 39' 16.940" E	24° 0' 25.852" N
P-44	87° 39' 19.201" E	24° 0' 24.362" N
P-45	87° 39' 21.000" E	24° 0' 22.717" N
P-46	87° 39' 22.439" E	24° 0' 20.816" N
P-47	87° 39' 23.570" E	24° 0' 18.863" N

Provisional Cardinal Points for DHOBANPUR Block

P-48	87° 39' 24.906" E	24° 0' 16.755" N
P-49	87° 39' 26.551" E	24° 0' 14.854" N
P-50	87° 39' 28.452" E	24° 0' 13.826" N
P-51	87° 39' 30.200" E	24° 0' 13.209" N
P-52	87° 39' 33.695" E	24° 0' 13.209" N
P-53	87° 39' 35.751" E	24° 0' 13.620" N
P-54	87° 39' 37.395" E	24° 0' 14.597" N
P-55	87° 39' 39.348" E	24° 0' 15.933" N
P-56	87° 39' 40.325" E	24° 0' 17.115" N
P-57	87° 39' 41.045" E	24° 0' 19.222" N
P-58	87° 39' 41.147" E	24° 0' 21.432" N
P-59	87° 39' 41.147" E	24° 0' 25.390" N
P-60	87° 39' 40.736" E	24° 0' 30.684" N
P-61	87° 39' 40.274" E	24° 0' 35.309" N
P-62	87° 39' 40.068" E	24° 0' 38.547" N
P-63	87° 39' 40.274" E	24° 0' 41.374" N
P-64	87° 39' 40.993" E	24° 0' 43.893" N
P-65	87° 39' 42.489" E	24° 0' 45.759" N
P-66	87° 39' 44.750" E	24° 0' 47.044" N
P-67	87° 39' 46.909" E	24° 0' 47.763" N
P-68	87° 39' 49.068" E	24° 0' 48.175" N
P-69	87° 39' 51.072" E	24° 0' 48.380" N
P-70	87° 39' 53.385" E	24° 0' 48.380" N
P-71	87° 39' 55.235" E	24° 0' 47.969" N
P-72	87° 39' 57.805" E	24° 0' 46.992" N
P-73	87° 40' 1.094" E	24° 0' 45.296" N
P-74	87° 40' 5.617" E	24° 0' 42.932" N
P-75	87° 40' 8.547" E	24° 0' 41.493" N
P-76	87° 40' 12.813" E	24° 0' 38.718" N
P-77	87° 40' 16.256" E	24° 0' 36.970" N
P-78	87° 40' 18.929" E	24° 0' 36.199" N
P-79	87° 40' 24.017" E	24° 0' 35.994" N
P-80	87° 40' 30.082" E	24° 0' 36.508" N
P-81	87° 40' 34.091" E	24° 0' 37.484" N
P-82	87° 40' 36.250" E	24° 0' 38.563" N
P-83	87° 40' 38.460" E	24° 0' 40.362" N
P-84	87° 40' 41.955" E	24° 0' 43.806" N
P-85	87° 40' 45.655" E	24° 0' 47.712" N
P-86	87° 40' 48.996" E	24° 0' 51.515" N
P-87	87° 40' 51.514" E	24° 0' 54.599" N
P-88	87° 40' 53.056" E	24° 0' 57.323" N
P-89	87° 40' 55.163" E	24° 1' 1.846" N
P-90	87° 40' 57.322" E	24° 1' 4.776" N
P-91	87° 41' 4.775" E	24° 1' 12.588" N
P-92	87° 41' 11.970" E	24° 1' 17.573" N
P-93	87° 41' 16.287" E	24° 1' 20.195" N
P-94	87° 41' 20.151" E	24° 1' 23.585" N
P-95	87° 41' 23.097" E	24° 1' 26.874" N

Provisional Cardinal Points for DHOBANPUR Block

P-96	87° 41' 25.153" E	24° 1' 30.095" N
P-97	87° 41' 27.552" E	24° 1' 34.823" N
P-98	87° 41' 29.470" E	24° 1' 39.126" N
P-99	87° 41' 32.074" E	24° 1' 44.075" N
P-100	87° 41' 34.679" E	24° 1' 46.953" N
P-101	87° 41' 36.460" E	24° 1' 48.323" N
P-102	87° 41' 38.927" E	24° 1' 49.214" N
P-103	87° 41' 40.503" E	24° 1' 49.488" N
P-104	87° 41' 43.656" E	24° 1' 49.146" N
P-105	87° 41' 46.465" E	24° 1' 48.392" N
P-106	87° 41' 48.795" E	24° 1' 47.296" N
P-107	87° 41' 50.920" E	24° 1' 45.788" N
P-108	87° 41' 52.976" E	24° 1' 43.252" N
P-109	87° 41' 47.470" E	24° 1' 32.747" N
P-110	87° 41' 47.000" E	24° 1' 31.850" N
P-111	87° 41' 46.390" E	24° 1' 30.630" N
P-112	87° 41' 42.944" E	24° 1' 21.748" N
P-113	87° 41' 38.866" E	24° 1' 10.578" N
P-114	87° 41' 35.234" E	24° 0' 58.757" N
P-115	87° 41' 32.801" E	24° 0' 51.253" N

Note: The provisional cardinal points are in WGS84 coordinate system. These points are extracted through ArcGIS software after georeferencing of block boundary and onground DGPS survey is required to ascertain the exact location of the points.