

JADUNATHPUR COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details
1.	Location	
	Coal Block	Jadunathpur
	Latitude	21° 0' 1" N - 21° 1' 34" N (Provisional)
	Longitude	85° 5' 36" E - 85° 8' 45" E (Provisional)
	Topo Sheet No.	F45N4
	Coalfield	Talcher
	Villages	Guthasahi, Shriramapur, Balangi Nuasahi, Jadunathpur, Hariharpur, Ekadal, Ranganathpur
	Tehsil/Taluka	Kaniha
	District	Angul
	State	Odisha
2.	Connectivity with Block	
	Nearest Rail Head	Nearest railhead is Talcher on East Coast Railway at a distance of about 10km.
	Road	The block is connected by NH-200 then NH-23 to Talcher town and through NH 42 via Cuttack to Bhubaneswar (about 165 km.)
	Airport	The nearest airport is Biju Patnaik International Airport at the state capital Bhubaneswar is about 100km distance
3.	Area	
	Geological Block Area	12.11 sq.km. (As per shape file. Refer Note below)
	Green Cover	Approx. 64% (As Per FSI map)
	Non-Forest Area	Approx. 36%
4.	Climate and Topography	
	Average Annual Rainfall	Moderate to heavy rain during the monsoon
	Temperature (Min. — Max.)	The area experience hot and humid climate during the summer months and moderately cold climate in the winter
	Local Surface Drainage Channels	The general topography of the block is almost flat. Water body /small dam present within the block
	Rivers	Nala/streams are common in the block area
5.	Exploration	
	Status	Regionally Explored
	Exploration Agency	GSI/CMPDI/MECL

	Total Number of Boreholes with meterage	Boreholes-58; meterage-19401.50m			
	Borehole Density	Approx. 4.8 bh/sq.km			
	General Dip of Seams	3°-9° towards N to NW			
	General Strike Direction	E-W to NE-SW			
	Faults	6 no. of faults have been interpreted in regional geological report. Throw of faults vary from 20-65m.			
6.	Coal Seams & Reserve (Approx. based on regional data)				
	Coal Seams/Zone	Thickness Range (m)	Depth Range (m)	Geological Reserve (MT)	Grade
	V	0.58-6.05	23.55-144.50		G9-G12
	IV	<1 to 15.21	83.95-229.37		G4-G12
	III	<1 to 30.98	130.70-335.70		G7-G12
	II	<1 to 18.12	210.67-425.03		G6-G12
	I	<1 to 5.28	311.59-561.15		G1-G10
		Total		470	
7.	Surface Constraints	Small dam present within the block Forest cover about 64%.			
8.	Grade of the block	Tentative weighted average grade G10 based on regional geological report.			
9.	Decision Support System (DSS) Analysis	Touches Wildlife Habitat(s)- Sloth Bear & Elephant grid			
10.	Eco Sensitive Zone (ESZ) Analysis	NE boundary of the block is approx. 6.5 km from the boundary of the tiger corridor connecting Simlipal and Satkosia to the north. Approx. 23 km from the boundary of the ESZ of Mahanadi Elephant Region.			

Note:

1. The above data is compiled from Geological Report, 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.
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 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.
4. Geological report of the area is not available. Hence grade, seam sequence and other geological data are likely to vary on further exploration.

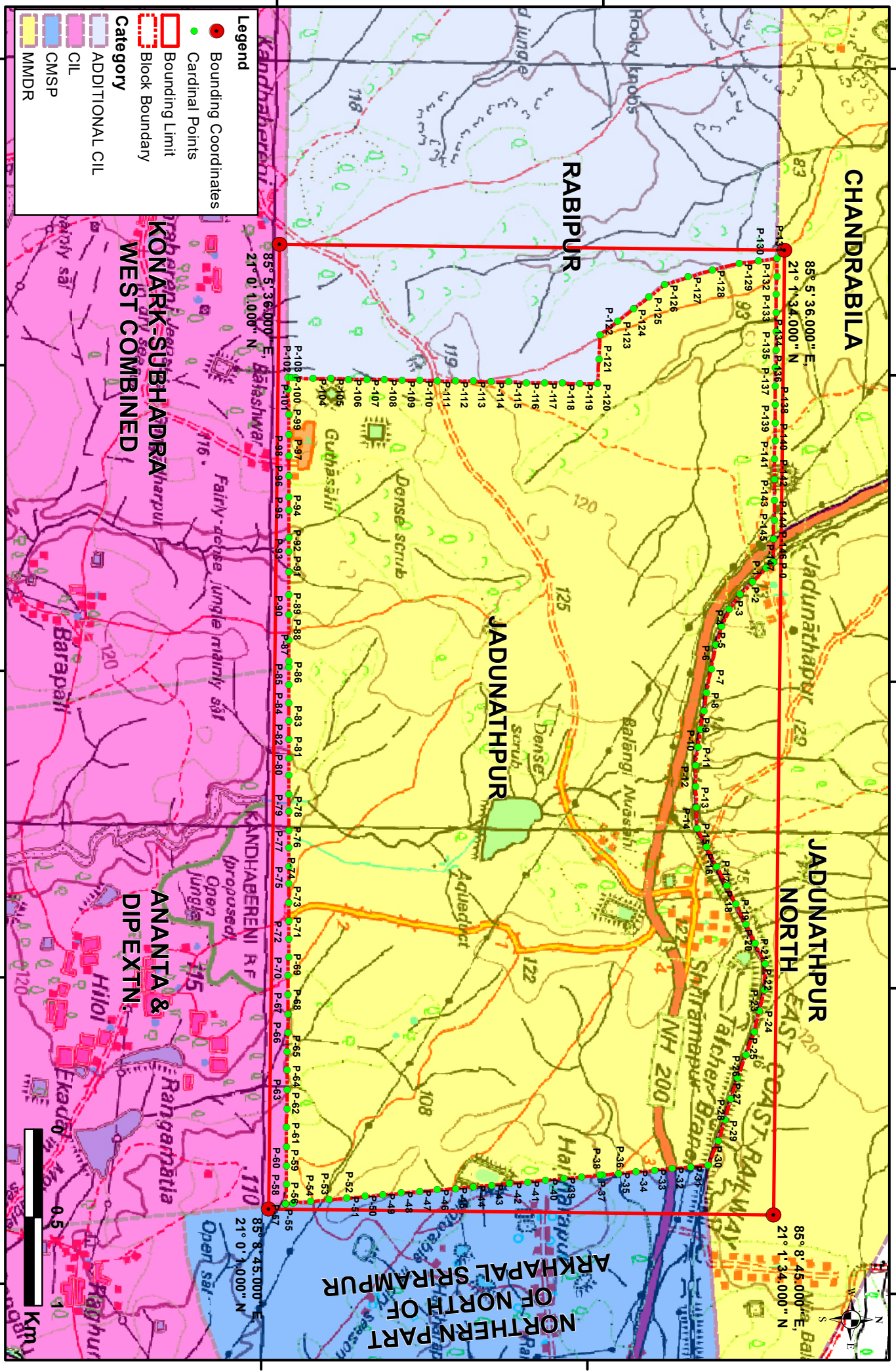
Disclaimer:

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.

85°5'0"E 85°6'0"E 85°7'0"E 85°8'0"E 85°9'0"E

Jadunathpur block, Talcher Coalfield

FOR INTERNAL/RESTRICTED USE ONLY



21°10'0"N 21°1'0"N

21°0'0"N 21°1'0"N

Legend

- Bounding Coordinates
- Cardinal Points
- Bounding Limit
- Block Boundary

Category

- ADDITIONAL CIL
- CIL
- CMLP
- MMDR

Note: Coordinates are in WGS84 datum

85°5'0"E 85°6'0"E 85°7'0"E 85°8'0"E 85°9'0"E



Provisional Cardinal Points for JADUNATHPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	85° 6' 37.235" E	21° 1' 32.625" N
P-2	85° 6' 38.387" E	21° 1' 31.229" N
P-3	85° 6' 40.993" E	21° 1' 28.888" N
P-4	85° 6' 43.600" E	21° 1' 26.547" N
P-5	85° 6' 46.473" E	21° 1' 24.620" N
P-6	85° 6' 49.832" E	21° 1' 23.262" N
P-7	85° 6' 53.476" E	21° 1' 22.182" N
P-8	85° 6' 58.205" E	21° 1' 21.361" N
P-9	85° 7' 2.934" E	21° 1' 20.540" N
P-10	85° 7' 6.506" E	21° 1' 20.065" N
P-11	85° 7' 10.078" E	21° 1' 19.590" N
P-12	85° 7' 13.650" E	21° 1' 19.115" N
P-13	85° 7' 17.222" E	21° 1' 18.639" N
P-14	85° 7' 21.302" E	21° 1' 18.794" N
P-15	85° 7' 25.383" E	21° 1' 18.950" N
P-16	85° 7' 29.464" E	21° 1' 19.105" N
P-17	85° 7' 33.166" E	21° 1' 20.945" N
P-18	85° 7' 36.867" E	21° 1' 22.786" N
P-19	85° 7' 40.569" E	21° 1' 24.627" N
P-20	85° 7' 44.271" E	21° 1' 26.468" N
P-21	85° 7' 48.120" E	21° 1' 28.287" N
P-22	85° 7' 51.968" E	21° 1' 30.107" N
P-23	85° 7' 55.817" E	21° 1' 31.927" N
P-24	85° 8' 0.978" E	21° 1' 31.880" N
P-25	85° 8' 5.106" E	21° 1' 30.982" N
P-26	85° 8' 9.234" E	21° 1' 30.085" N
P-27	85° 8' 13.745" E	21° 1' 28.592" N
P-28	85° 8' 18.255" E	21° 1' 27.100" N
P-29	85° 8' 22.383" E	21° 1' 25.978" N
P-30	85° 8' 26.510" E	21° 1' 24.857" N
P-31	85° 8' 30.638" E	21° 1' 23.735" N
P-32	85° 8' 35.478" E	21° 1' 21.920" N
P-33	85° 8' 35.841" E	21° 1' 18.597" N
P-34	85° 8' 36.204" E	21° 1' 15.273" N
P-35	85° 8' 36.567" E	21° 1' 11.950" N
P-36	85° 8' 36.931" E	21° 1' 8.626" N
P-37	85° 8' 37.294" E	21° 1' 5.303" N
P-38	85° 8' 37.608" E	21° 1' 2.422" N
P-39	85° 8' 37.657" E	21° 1' 1.979" N
P-40	85° 8' 38.020" E	21° 0' 58.656" N
P-41	85° 8' 38.383" E	21° 0' 55.332" N
P-42	85° 8' 38.746" E	21° 0' 52.009" N
P-43	85° 8' 39.109" E	21° 0' 48.686" N
P-44	85° 8' 39.472" E	21° 0' 45.362" N
P-45	85° 8' 39.835" E	21° 0' 42.039" N
P-46	85° 8' 40.199" E	21° 0' 38.715" N
P-47	85° 8' 40.562" E	21° 0' 35.392" N

Provisional Cardinal Points for JADUNATHPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-48	85° 8' 40.925" E	21° 0' 32.068" N
P-49	85° 8' 41.288" E	21° 0' 28.745" N
P-50	85° 8' 41.651" E	21° 0' 25.421" N
P-51	85° 8' 42.014" E	21° 0' 22.098" N
P-52	85° 8' 42.377" E	21° 0' 18.775" N
P-53	85° 8' 42.740" E	21° 0' 15.451" N
P-54	85° 8' 43.103" E	21° 0' 12.128" N
P-55	85° 8' 43.466" E	21° 0' 8.804" N
P-56	85° 8' 43.829" E	21° 0' 5.481" N
P-57	85° 8' 43.969" E	21° 0' 4.202" N
P-58	85° 8' 43.969" E	21° 0' 4.201" N
P-59	85° 8' 40.245" E	21° 0' 4.197" N
P-60	85° 8' 36.522" E	21° 0' 4.193" N
P-61	85° 8' 32.798" E	21° 0' 4.188" N
P-62	85° 8' 29.075" E	21° 0' 4.184" N
P-63	85° 8' 25.351" E	21° 0' 4.180" N
P-64	85° 8' 21.628" E	21° 0' 4.175" N
P-65	85° 8' 17.904" E	21° 0' 4.171" N
P-66	85° 8' 14.181" E	21° 0' 4.167" N
P-67	85° 8' 10.457" E	21° 0' 4.162" N
P-68	85° 8' 6.734" E	21° 0' 4.158" N
P-69	85° 8' 3.010" E	21° 0' 4.153" N
P-70	85° 7' 59.287" E	21° 0' 4.149" N
P-71	85° 7' 55.563" E	21° 0' 4.144" N
P-72	85° 7' 52.020" E	21° 0' 4.115" N
P-73	85° 7' 48.476" E	21° 0' 4.085" N
P-74	85° 7' 44.932" E	21° 0' 4.055" N
P-75	85° 7' 41.388" E	21° 0' 4.025" N
P-76	85° 7' 37.844" E	21° 0' 3.996" N
P-77	85° 7' 34.301" E	21° 0' 3.966" N
P-78	85° 7' 30.757" E	21° 0' 3.936" N
P-79	85° 7' 27.213" E	21° 0' 3.906" N
P-80	85° 7' 23.669" E	21° 0' 3.876" N
P-81	85° 7' 20.126" E	21° 0' 3.846" N
P-82	85° 7' 16.582" E	21° 0' 3.817" N
P-83	85° 7' 13.038" E	21° 0' 3.787" N
P-84	85° 7' 9.494" E	21° 0' 3.757" N
P-85	85° 7' 5.950" E	21° 0' 3.727" N
P-86	85° 7' 2.407" E	21° 0' 3.697" N
P-87	85° 6' 58.863" E	21° 0' 3.667" N
P-88	85° 6' 57.702" E	21° 0' 3.519" N
P-89	85° 6' 53.667" E	21° 0' 3.482" N
P-90	85° 6' 48.525" E	21° 0' 3.448" N
P-91	85° 6' 44.733" E	21° 0' 3.406" N
P-92	85° 6' 40.214" E	21° 0' 3.357" N
P-93	85° 6' 36.162" E	21° 0' 3.308" N
P-94	85° 6' 33.582" E	21° 0' 3.270" N

Provisional Cardinal Points for JADUNATHPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-95	85° 6' 28.137" E	21° 0' 3.225" N
P-96	85° 6' 25.488" E	21° 0' 3.185" N
P-97	85° 6' 21.441" E	21° 0' 3.157" N
P-98	85° 6' 17.393" E	21° 0' 3.129" N
P-99	85° 6' 13.359" E	21° 0' 3.070" N
P-100	85° 6' 9.324" E	21° 0' 3.013" N
P-101	85° 6' 4.502" E	21° 0' 2.890" N
P-102	85° 6' 2.195" E	21° 0' 2.824" N
P-103	85° 6' 2.198" E	21° 0' 3.414" N
P-104	85° 6' 2.192" E	21° 0' 4.159" N
P-105	85° 6' 2.218" E	21° 0' 7.436" N
P-106	85° 6' 2.244" E	21° 0' 10.712" N
P-107	85° 6' 2.270" E	21° 0' 13.989" N
P-108	85° 6' 2.297" E	21° 0' 17.266" N
P-109	85° 6' 2.323" E	21° 0' 20.542" N
P-110	85° 6' 2.349" E	21° 0' 23.819" N
P-111	85° 6' 2.375" E	21° 0' 27.095" N
P-112	85° 6' 2.402" E	21° 0' 30.372" N
P-113	85° 6' 2.428" E	21° 0' 33.648" N
P-114	85° 6' 2.454" E	21° 0' 36.925" N
P-115	85° 6' 2.480" E	21° 0' 40.201" N
P-116	85° 6' 2.506" E	21° 0' 43.478" N
P-117	85° 6' 2.533" E	21° 0' 46.754" N
P-118	85° 6' 2.559" E	21° 0' 50.031" N
P-119	85° 6' 2.585" E	21° 0' 53.307" N
P-120	85° 6' 2.611" E	21° 0' 56.584" N
P-121	85° 6' 2.637" E	21° 0' 59.860" N
P-122	85° 5' 57.808" E	21° 1' 0.041" N
P-123	85° 5' 52.978" E	21° 1' 0.221" N
P-124	85° 5' 50.372" E	21° 1' 3.393" N
P-125	85° 5' 47.936" E	21° 1' 6.250" N
P-126	85° 5' 45.500" E	21° 1' 9.107" N
P-127	85° 5' 43.064" E	21° 1' 11.964" N
P-128	85° 5' 41.557" E	21° 1' 16.315" N
P-129	85° 5' 40.051" E	21° 1' 20.667" N
P-130	85° 5' 38.705" E	21° 1' 25.717" N
P-131	85° 5' 38.178" E	21° 1' 29.134" N
P-132	85° 5' 37.652" E	21° 1' 32.552" N
P-133	85° 5' 41.227" E	21° 1' 32.559" N
P-134	85° 5' 44.803" E	21° 1' 32.565" N
P-135	85° 5' 48.379" E	21° 1' 32.571" N
P-136	85° 5' 51.955" E	21° 1' 32.577" N
P-137	85° 5' 55.531" E	21° 1' 32.583" N
P-138	85° 5' 59.107" E	21° 1' 32.589" N
P-139	85° 6' 2.683" E	21° 1' 32.595" N
P-140	85° 6' 6.259" E	21° 1' 32.601" N
P-141	85° 6' 9.835" E	21° 1' 32.607" N

Provisional Cardinal Points for JADUNATHPUR Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-142	85° 6' 13.411" E	21° 1' 32.613" N
P-143	85° 6' 16.987" E	21° 1' 32.618" N
P-144	85° 6' 20.992" E	21° 1' 32.619" N
P-145	85° 6' 24.996" E	21° 1' 32.619" N
P-146	85° 6' 29.001" E	21° 1' 32.619" N
P-147	85° 6' 32.555" E	21° 1' 32.619" N
P-148	85° 6' 32.555" E	21° 1' 32.618" N