

CHORITAND TILAIYA COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details
1.	Location	
	Coal Block	Choritand Tiliaya
	Latitude	23° 46' 13" N to 23° 47' 14" N (Provisional)
	Longitude	85° 37' 41" E to 85° 39' 04" E (Provisional)
	Topo Sheet No.	73 E/10
	Coalfield	West Bokaro Coalfield
	Villages	Tilaiya, Jogeswar, Dakasadam
	Tehsil/ Taluka	Gumia CD Block
	District	Bokaro
State	Jharkhand	
2.	Connectivity with Block	
	Nearest Rail Head	Danea railway station at a distance of about 1 Km from the block
	Road	Ranchi-Hazaribagh NH-33
	Airport	Ranchi at a distance of about 100 Km from the block
3.	Area	
	Geological Block Area	2.49 Sq. Km (As per shape file; Refer Note No. 3)
	Mining Lease Area	242 Ha (As per Mining plan)
	Forest Area	Around 125 Ha
4.	Climate and Topography	
	Average Annual Rainfall	1200 mm
	Temperature (Min. – Max.)	10° C - 45° C
	Local Surface Drainage Channels	Bokaro River flow from west to east
	Rivers	
5.	Exploration	
	Status	Explored
	Exploration Agency	MECL and GSI
	Total Number of Boreholes with meterage	46 nos. of Borehole with total meterage of 12614.80
	Borehole Density	19.0 boreholes/ Sq. Km.
	General Dip of Seams	15° -18° towards North West
	General Strike Direction	North East –South West

6. Coal seam details				
Coal Seams/ Parting	Thickness Range (m)	Geological Reserve (Mte)	Extractable Reserve as per Mining Plan (Mte)	Grade
XII	0.67-1.20	Not estimated		
Parting	5.88-8.43			
XI	0.10-0.85	Non workable		
Parting	6.35-23.87			
XA	0.12-1.20	Non workable		
Parting	7.21-25.8			
X	0.38-6.65	7.826	5.81	W-III to Ungraded*
Parting	12.15-48.61			
IX A	0.10-2.40	3.193	2.387	W-I to Ungraded*
Parting	4.92-26.05			
IX	0.12-4.55	4.079	1.355	S-II to Ungraded*
Parting	5.05-34.56			
VIII C	0.10-2.86	0.490		S-II to Ungraded
Parting	9.02-40.09			
VIII B	0.11-4.30	Non workable		
Parting	3.81-33.98			
VIII A	0.05-3.54	Non estimated		
Parting	11.15-36.40			
VIII	0.20-4.05	2.825		W-I to Ungraded
Parting	5.98-49.00			
VII C	0.13-2.00	Non workable		
Parting	7.69-58.60			
VII B	0.10-2.31	Non workable		
Parting	1.00-14.95			
VII A	0.10-2.26	Non estimated		
Parting	4.65-24.75			
VII/VI	2.20-14.05	9.512		W-III to Ungraded
Parting	27.05-51.18			
V	2.30-11.01	19.257		W-II to Ungraded
Parting	4.95-23.70			

IV	0.77-6.50	6.339		W-II to Ungraded
Parting	0.86-19.00			
IIIA	0.26-1.35	Non workable		
Parting	16.07-27.31			
III	4.50-12.06	25.393		W-IV to Ungraded
Parting	4.25-19.85			
IIB	0.6-3.22	5.072		W-III to Ungraded
Parting	10.28-51.90			
II A	0.09-5.70	Non estimated		
Parting	11.66-36.65			
II TOP	0.50-3.96	4.399		Ungraded
Parting	1.65-7.00			
II BOT	1.55-2.00	Non workable		
Parting with II A	10.65-43.76			
II(combined)	3.10-15.40	8.650		Ungraded
Parting	37.60-54.88			
I	0.45-3.16	Not estimated		
TOTAL COAL (Mte)		97.035	9.552	
Total OB(Mm3)			88.68	
Stripping Ratio (Cum/ te)			9.28	

* Under column 'Grade' in the above table, ungraded has been indicated against mineable seams as per the geological report.

PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name and Address of Allocatee	C T MINING PVT Ltd. 14 Viswakarma centre, behind carmel school, Bal bihar, sonari, Jamshedpur-831011, jharkhand
2.	Target Capacity as per Mining Plan	0.78 Mty
3.	Status of Clearances/Approvals	
	Mining Plan/ Mine Closure Plan	Approval obtained as per Annexure-Q provided by C T MINING PVT Ltd. Via ref No.:13016/331/2009-CA-I dated 18.02.2010
	Forest Clearance	Pending with state government
	Environmental Clearance	In principal approval of EMP
	Mining Lease	Mining Lease application pending with state Govt.
	Land Acquisition	102.66 Acre of land purchased for compensatory afforestation provided by C T MINING PVT Ltd. in Annexure - I
	No. of PAFs	This exercise is yet to be completed
4.	Surface Infrastructure already built, if any.	Nil

Note:

1. The above data is compiled from Geological Report, Mining Plan, Mine Closure Plan and the data furnished by the prior allottee in relevant Annexures, 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 is 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.

Provisional Cardinal Points for Choritand Tiliaya Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	85° 37' 55.590" E	23° 46' 42.000" N
P-2	85° 37' 56.678" E	23° 46' 42.526" N
P-3	85° 37' 57.017" E	23° 46' 42.548" N
P-4	85° 37' 57.185" E	23° 46' 42.576" N
P-5	85° 37' 57.232" E	23° 46' 42.633" N
P-6	85° 37' 57.280" E	23° 46' 42.694" N
P-7	85° 37' 57.476" E	23° 46' 42.965" N
P-8	85° 37' 57.647" E	23° 46' 43.464" N
P-9	85° 37' 57.707" E	23° 46' 43.638" N
P-10	85° 37' 57.758" E	23° 46' 44.103" N
P-11	85° 37' 57.686" E	23° 46' 45.200" N
P-12	85° 37' 57.615" E	23° 46' 45.602" N
P-13	85° 37' 57.596" E	23° 46' 45.711" N
P-14	85° 37' 57.725" E	23° 46' 46.195" N
P-15	85° 37' 58.296" E	23° 46' 47.043" N
P-16	85° 37' 59.037" E	23° 46' 47.686" N
P-17	85° 37' 59.432" E	23° 46' 47.881" N
P-18	85° 37' 59.663" E	23° 46' 47.995" N
P-19	85° 38' 0.055" E	23° 46' 48.014" N
P-20	85° 38' 0.437" E	23° 46' 47.922" N
P-21	85° 38' 3.019" E	23° 46' 47.670" N
P-22	85° 38' 4.458" E	23° 46' 47.751" N
P-23	85° 38' 5.532" E	23° 46' 48.222" N
P-24	85° 38' 6.173" E	23° 46' 48.736" N
P-25	85° 38' 6.472" E	23° 46' 49.045" N
P-26	85° 38' 7.428" E	23° 46' 49.698" N
P-27	85° 38' 7.782" E	23° 46' 49.897" N
P-28	85° 38' 9.826" E	23° 46' 51.084" N
P-29	85° 38' 10.775" E	23° 46' 51.437" N
P-30	85° 38' 12.101" E	23° 46' 51.603" N
P-31	85° 38' 12.713" E	23° 46' 52.108" N
P-32	85° 38' 13.670" E	23° 46' 53.561" N
P-33	85° 38' 14.495" E	23° 46' 55.065" N
P-34	85° 38' 14.952" E	23° 46' 56.067" N
P-35	85° 38' 15.074" E	23° 46' 56.946" N
P-36	85° 38' 15.362" E	23° 46' 57.998" N
P-37	85° 38' 15.725" E	23° 46' 59.067" N
P-38	85° 38' 16.308" E	23° 47' 0.466" N
P-39	85° 38' 16.728" E	23° 47' 1.416" N
P-40	85° 38' 17.407" E	23° 47' 2.661" N
P-41	85° 38' 17.992" E	23° 47' 3.905" N
P-42	85° 38' 18.429" E	23° 47' 5.078" N
P-43	85° 38' 18.817" E	23° 47' 5.477" N
P-44	85° 38' 19.648" E	23° 47' 6.465" N
P-45	85° 38' 19.864" E	23° 47' 7.276" N
P-46	85° 38' 19.969" E	23° 47' 7.982" N
P-47	85° 38' 20.276" E	23° 47' 9.017" N
P-48	85° 38' 20.752" E	23° 47' 10.002" N
P-49	85° 38' 21.713" E	23° 47' 11.042" N

Provisional Cardinal Points for Choritand Tiliaya Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-50	85° 38' 23.082" E	23° 47' 11.928" N
P-51	85° 38' 24.493" E	23° 47' 12.291" N
P-52	85° 38' 25.326" E	23° 47' 12.416" N
P-53	85° 38' 26.633" E	23° 47' 12.303" N
P-54	85° 38' 27.247" E	23° 47' 12.251" N
P-55	85° 38' 28.050" E	23° 47' 11.975" N
P-56	85° 38' 29.549" E	23° 47' 11.638" N
P-57	85° 38' 30.965" E	23° 47' 11.402" N
P-58	85° 38' 31.782" E	23° 47' 11.162" N
P-59	85° 38' 33.143" E	23° 47' 10.472" N
P-60	85° 38' 34.466" E	23° 47' 9.830" N
P-61	85° 38' 35.833" E	23° 47' 9.250" N
P-62	85° 38' 37.843" E	23° 47' 8.648" N
P-63	85° 38' 38.427" E	23° 47' 8.550" N
P-64	85° 38' 39.445" E	23° 47' 8.470" N
P-65	85° 38' 40.215" E	23° 47' 8.566" N
P-66	85° 38' 40.930" E	23° 47' 8.758" N
P-67	85° 38' 41.675" E	23° 47' 9.116" N
P-68	85° 38' 42.127" E	23° 47' 9.443" N
P-69	85° 38' 42.725" E	23° 47' 10.185" N
P-70	85° 38' 43.039" E	23° 47' 10.930" N
P-71	85° 38' 43.174" E	23° 47' 11.585" N
P-72	85° 38' 43.178" E	23° 47' 12.604" N
P-73	85° 38' 43.182" E	23° 47' 13.788" N
P-74	85° 38' 43.894" E	23° 47' 13.629" N
P-75	85° 38' 46.112" E	23° 47' 13.166" N
P-76	85° 38' 47.474" E	23° 47' 13.068" N
P-77	85° 38' 48.530" E	23° 47' 12.933" N
P-78	85° 38' 49.333" E	23° 47' 12.658" N
P-79	85° 38' 50.635" E	23° 47' 11.844" N
P-80	85° 38' 51.594" E	23° 47' 10.909" N
P-81	85° 38' 52.713" E	23° 47' 8.270" N
P-82	85° 38' 53.118" E	23° 47' 6.732" N
P-83	85° 38' 53.140" E	23° 47' 6.226" N
P-84	85° 38' 53.167" E	23° 47' 5.604" N
P-85	85° 38' 53.261" E	23° 47' 4.496" N
P-86	85° 38' 53.282" E	23° 47' 3.155" N
P-87	85° 38' 53.529" E	23° 47' 1.698" N
P-88	85° 38' 53.740" E	23° 47' 1.030" N
P-89	85° 38' 54.148" E	23° 46' 59.735" N
P-90	85° 38' 54.553" E	23° 46' 58.837" N
P-91	85° 38' 54.880" E	23° 46' 58.372" N
P-92	85° 38' 55.423" E	23° 46' 57.944" N
P-93	85° 38' 56.500" E	23° 46' 57.189" N
P-94	85° 38' 57.867" E	23° 46' 56.534" N
P-95	85° 39' 3.666" E	23° 46' 54.024" N
P-96	85° 39' 3.648" E	23° 46' 52.446" N
P-97	85° 39' 3.644" E	23° 46' 52.105" N
P-98	85° 39' 3.336" E	23° 46' 41.403" N

Provisional Cardinal Points for Choritand Tiliaya Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-99	85° 39' 3.314" E	23° 46' 37.783" N
P-100	85° 39' 3.331" E	23° 46' 36.820" N
P-101	85° 39' 3.273" E	23° 46' 34.882" N
P-102	85° 39' 2.698" E	23° 46' 32.553" N
P-103	85° 39' 2.052" E	23° 46' 30.708" N
P-104	85° 39' 1.137" E	23° 46' 28.797" N
P-105	85° 38' 59.547" E	23° 46' 26.590" N
P-106	85° 38' 59.107" E	23° 46' 26.220" N
P-107	85° 38' 56.912" E	23° 46' 26.072" N
P-108	85° 38' 55.336" E	23° 46' 25.951" N
P-109	85° 38' 52.745" E	23° 46' 25.713" N
P-110	85° 38' 51.871" E	23° 46' 25.469" N
P-111	85° 38' 50.751" E	23° 46' 25.287" N
P-112	85° 38' 49.118" E	23° 46' 25.047" N
P-113	85° 38' 47.031" E	23° 46' 24.641" N
P-114	85° 38' 44.607" E	23° 46' 24.050" N
P-115	85° 38' 43.010" E	23° 46' 23.660" N
P-116	85° 38' 38.696" E	23° 46' 22.816" N
P-117	85° 38' 36.269" E	23° 46' 22.526" N
P-118	85° 38' 34.529" E	23° 46' 22.424" N
P-119	85° 38' 30.735" E	23° 46' 22.122" N
P-120	85° 38' 28.261" E	23° 46' 21.896" N
P-121	85° 38' 24.315" E	23° 46' 21.603" N
P-122	85° 38' 20.103" E	23° 46' 21.093" N
P-123	85° 38' 18.960" E	23° 46' 20.857" N
P-124	85° 38' 17.362" E	23° 46' 20.585" N
P-125	85° 38' 16.429" E	23° 46' 20.437" N
P-126	85° 38' 14.892" E	23° 46' 19.983" N
P-127	85° 38' 12.841" E	23° 46' 19.427" N
P-128	85° 38' 10.580" E	23° 46' 18.934" N
P-129	85° 38' 9.088" E	23° 46' 18.555" N
P-130	85° 38' 7.759" E	23° 46' 18.317" N
P-131	85° 38' 6.720" E	23° 46' 18.190" N
P-132	85° 38' 3.873" E	23° 46' 17.696" N
P-133	85° 38' 1.923" E	23° 46' 17.326" N
P-134	85° 38' 0.207" E	23° 46' 16.924" N
P-135	85° 37' 57.737" E	23° 46' 16.343" N
P-136	85° 37' 55.303" E	23° 46' 15.788" N
P-137	85° 37' 53.318" E	23° 46' 15.263" N
P-138	85° 37' 51.770" E	23° 46' 14.879" N
P-139	85° 37' 50.326" E	23° 46' 14.462" N
P-140	85° 37' 48.675" E	23° 46' 14.129" N
P-141	85° 37' 46.521" E	23° 46' 13.654" N
P-142	85° 37' 45.664" E	23° 46' 13.414" N
P-143	85° 37' 44.946" E	23° 46' 13.236" N
P-144	85° 37' 44.321" E	23° 46' 13.101" N
P-145	85° 37' 43.376" E	23° 46' 13.067" N
P-146	85° 37' 42.891" E	23° 46' 13.063" N
P-147	85° 37' 42.387" E	23° 46' 13.058" N

Provisional Cardinal Points for Choritand Tiliaya Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-148	85° 37' 41.630" E	23° 46' 13.069" N
P-149	85° 37' 42.342" E	23° 46' 13.789" N
P-150	85° 37' 43.479" E	23° 46' 15.004" N
P-151	85° 37' 43.912" E	23° 46' 15.567" N
P-152	85° 37' 44.195" E	23° 46' 16.171" N
P-153	85° 37' 44.412" E	23° 46' 16.861" N
P-154	85° 37' 44.541" E	23° 46' 17.060" N
P-155	85° 37' 44.709" E	23° 46' 17.062" N
P-156	85° 37' 44.859" E	23° 46' 17.029" N
P-157	85° 37' 45.008" E	23° 46' 17.099" N
P-158	85° 37' 45.145" E	23° 46' 17.427" N
P-159	85° 37' 45.207" E	23° 46' 17.763" N
P-160	85° 37' 46.217" E	23° 46' 18.563" N
P-161	85° 37' 47.353" E	23° 46' 19.846" N
P-162	85° 37' 48.534" E	23° 46' 21.319" N
P-163	85° 37' 48.973" E	23° 46' 22.295" N
P-164	85° 37' 49.051" E	23° 46' 22.855" N
P-165	85° 37' 49.037" E	23° 46' 24.179" N
P-166	85° 37' 49.029" E	23° 46' 24.945" N
P-167	85° 37' 49.099" E	23° 46' 25.453" N
P-168	85° 37' 49.272" E	23° 46' 25.885" N
P-169	85° 37' 49.614" E	23° 46' 26.215" N
P-170	85° 37' 50.033" E	23° 46' 26.408" N
P-171	85° 37' 51.271" E	23° 46' 26.814" N
P-172	85° 37' 51.615" E	23° 46' 27.032" N
P-173	85° 37' 51.826" E	23° 46' 27.413" N
P-174	85° 37' 52.022" E	23° 46' 28.300" N
P-175	85° 37' 52.122" E	23° 46' 29.445" N
P-176	85° 37' 52.130" E	23° 46' 30.469" N
P-177	85° 37' 52.167" E	23° 46' 31.484" N
P-178	85° 37' 52.285" E	23° 46' 31.769" N
P-179	85° 37' 52.500" E	23° 46' 31.954" N
P-180	85° 37' 52.720" E	23° 46' 32.143" N
P-181	85° 37' 52.811" E	23° 46' 32.445" N
P-182	85° 37' 52.723" E	23° 46' 32.823" N
P-183	85° 37' 52.260" E	23° 46' 33.309" N
P-184	85° 37' 52.050" E	23° 46' 33.737" N
P-185	85° 37' 51.847" E	23° 46' 34.306" N
P-186	85° 37' 51.674" E	23° 46' 34.792" N
P-187	85° 37' 51.511" E	23° 46' 35.212" N
P-188	85° 37' 51.143" E	23° 46' 36.396" N
P-189	85° 37' 51.182" E	23° 46' 37.187" N
P-190	85° 37' 51.363" E	23° 46' 37.696" N
P-191	85° 37' 51.603" E	23° 46' 37.957" N
P-192	85° 37' 52.264" E	23° 46' 38.281" N
P-193	85° 37' 52.773" E	23° 46' 38.698" N
P-194	85° 37' 52.864" E	23° 46' 38.948" N
P-195	85° 37' 52.853" E	23° 46' 39.163" N
P-196	85° 37' 52.775" E	23° 46' 39.421" N

Provisional Cardinal Points for Choritand Tiliaya Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-197	85° 37' 52.723" E	23° 46' 39.945" N
P-198	85° 37' 52.746" E	23° 46' 40.444" N
P-199	85° 37' 52.966" E	23° 46' 40.833" N
P-200	85° 37' 53.532" E	23° 46' 41.242" N
P-201	85° 37' 54.371" E	23° 46' 41.491" N