SONDHIA COAL BLOCK SUMMARY

PART A

Sl. No.	Features	Details	
1.	**Location**		
	Coal Block	**SONDHIA**	
	Coal Field	Tatapani Ramcola Coalfield	
	Latitude	23°37′05″ N & 23°38′35″ N (Provisional)	Topo Sheet No. 64 M/2 & M/6
	Longitude	83°14′0.0″ E & 83°16′56″ E (Provisional)	
	Villages	Bartikala, Sabtripur, Injani, Bhagabanpur-Jirat, and Bhagabanpur-Khas	
	Tehsil/ Taluka	Wadrupnagar	
	District	Surguja	
	State	Chhattisgarh	
2.	**Area**		
	Geological Block Area	10.74 sq. Km (As per shape file; Refer Note No. 3)	
	Mining Lease Area	810 hectares (As per Mining Plan)	
	Forest Area	327.48 hectares (Including Chote-Bade Jhar ke Jungle)	
	Non Forest Area	482.52 hectares	
3.	**Exploration**		
	Status of Exploration	Explored	
	Exploration Agency	GSI/DGM/Shreeram Gemicon Pvt Ltd.	
	Total Number of Boreholes	103	
	Boreholes Meterage	16951.30 m	
	Borehole Density	10 BH per square km	
4.	**Amount of Coal**		
	Total Geological Reserves	50.18 MT (As per Geological Report)	
	Total Mineable Reserves	37.633 MT (29.036-OC & 8.597-UG)	
	Total Extractable Reserves	32.743 MT (27.584-OC & 5.159-UG)	
	Coal Seams	Seam / Geological (MT) / Extractable (MT)	
		VI — 2.26	32.743
		V — 4.45	
		IVT — 16.25	
		IVB/IV — 18.77	
		III — 3.26	
		II — 1.79	
		I — 3.40	
		Total — 50.18	
5.	**Coal Seams**		
	Dip of Seam	Dip is Variable and varies from 3°-15°	
	Direction of Strike	South Western: NW-SE, North Western: NNE-SSW, Eastern part: E-W.	

Thickness of Coal Seams

Coal Seam	Usual Range (Mtrs)
VI	0.27-2.58
V	0.30-2.59
IVT	0.58-5.55
IVB/IV	0.40-5.40/1.40-8.89
III	0.15-3.53
II	0.15-2.08
I	0.13-1.71

Partings

Between Seams	Usual range (Mtrs)
Parting between VI and V	2.25-16.33
Parting between V and IVT	1.26-14.27
Parting between IVT and IVB/IV	4.65-12.44
Parting between IVB/IV and III	17.22-36.59
Parting between III and II	8.05-22.06
Parting between II and I	10.35-25.85

Faults

Name of Fault	Max Throw (m)
F1-F1	250
F2-F2	60
F3-F3	50
F4-F4	60
F5-F5	45
F6-F6	75
F7-F7	32
F8-F8	20
F9-F9	75
F10-F10	100
F11-F11	30
F12-F-12	20
F13-F13	50
F14-F14	135
F15-F15	30
F16-F16	30
F17-F17	100
F18-F18	20
F19-F19	15
F20-F20	20

6. Grade

Grade

Seam	General Range
VI	D-F
V	D-G
IVT	F-G
IVB/IV	C-G
III	B-G
II	A-E
I	A-F

7.	**Accessibility**	
	Nearest Rail Head Distance	Renukut Railway Station, 80km from Wadrupnagar
	Road	Ambikapur-Varanasi State Highway ,82 Km
	Airport Distance	Raipur
8.	**Hydrography**	
	Local Surface Drainage Channels	
	Rivers/ Nala	Moran River
9.	**Climate**	
	Average Annual Rainfall	1400 mm
	Temperatures (Winter)	4 ^{o}c (min)
	Temperatures (Summer)	45^{o}c (max)
10.	**Topography**	
	Topo Sheet Number	Survey of India Sheet No. 64-M/2 and 64-M/6
	Nature of Surface Land	Undulating Topography
11.	**Other Infrastructure**	
	Coal Handling Plant Capacity	1.00 MTY
	Coal Washery Capacity	Not Envisaged
	Transport from Mine	By trucks
	Power Supply	Yes

PART B

Sr. no.	Features	Details
1.	**Previous Allocation**	
	Name of Allocatee	M/s Chhattisgarh Mineral Development Corporation Ltd.
	Address	Sonkhan Bhawan, Ring Road-1, Purena, Raipur, Chhattisgarh-492006
	Nature of End Use	Commercial Use
2.	**Status of Mineral Exploitation**	
	Method of Mining	Opencast & Underground Mining
	Coal Extracted	-Nil-
	Mine Plan Extraction Rate	1.00 MTY (OC+UG), UG will start from 16th year @0.25 MTY
	Average Stripping Ratio	1:13.79
	Mining Agency	Not Available
3.	**Status of Clearances/Approvals**	
	Mining Plan (Reference to Grant)	No: 13016/8/2007-CA-1 dated 6/07/2011
	Forest Clearance (Reference to Grant)	No: 8-50/2012-FC dated 4/3/2013 (Stage-I)
	Environmental Clearance (Reference to Grant)	No: J-11015/331/2010-IA.II (M) dated 16-09-2013
	Mining Lease	Not granted
	Land Required	810 Ha
	Land Acquired	405.60 Ha
	R&R Plan Approval & Details	R&R Plan approved vide F 7-17/2011/12 dated 28/6/2014 (number of PAFs-436 as per data provided by CMDC)
	R&R Plan Achievement	-Nil-

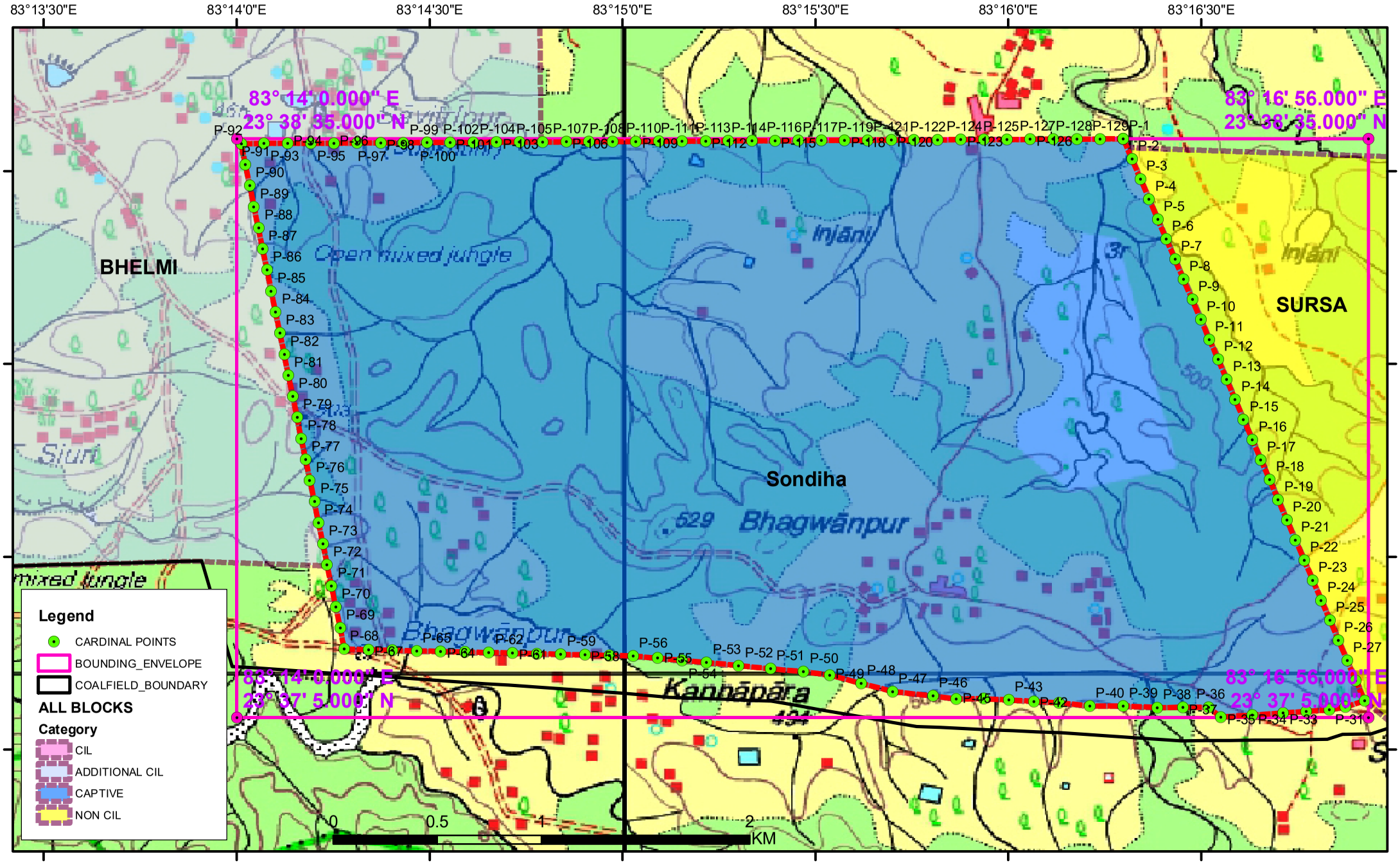
Note:

1. The above data is compiled from Geological Report, Mining Plan, Mine Closure Plan, Environmental Clearance and Forest Clearance 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 GSI 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.

Sondiha Block, Tatapani-Ramkola Coalfield



NOTE: Coordinates are provisional in WGS84 System

Provisional Cardinal Points for Sondiha Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	83° 16' 17.848" E	23° 38' 34.978" N
P-2	83° 16' 19.188" E	23° 38' 31.858" N
P-3	83° 16' 20.528" E	23° 38' 28.737" N
P-4	83° 16' 21.868" E	23° 38' 25.617" N
P-5	83° 16' 23.207" E	23° 38' 22.497" N
P-6	83° 16' 24.547" E	23° 38' 19.377" N
P-7	83° 16' 25.887" E	23° 38' 16.257" N
P-8	83° 16' 27.227" E	23° 38' 13.137" N
P-9	83° 16' 28.566" E	23° 38' 10.016" N
P-10	83° 16' 29.906" E	23° 38' 6.896" N
P-11	83° 16' 31.246" E	23° 38' 3.776" N
P-12	83° 16' 32.586" E	23° 38' 0.656" N
P-13	83° 16' 33.925" E	23° 37' 57.535" N
P-14	83° 16' 35.265" E	23° 37' 54.415" N
P-15	83° 16' 36.604" E	23° 37' 51.295" N
P-16	83° 16' 37.944" E	23° 37' 48.175" N
P-17	83° 16' 39.284" E	23° 37' 45.054" N
P-18	83° 16' 40.623" E	23° 37' 41.934" N
P-19	83° 16' 41.963" E	23° 37' 38.814" N
P-20	83° 16' 43.302" E	23° 37' 35.694" N
P-21	83° 16' 44.642" E	23° 37' 32.573" N
P-22	83° 16' 45.981" E	23° 37' 29.453" N
P-23	83° 16' 47.321" E	23° 37' 26.333" N
P-24	83° 16' 48.660" E	23° 37' 23.213" N
P-25	83° 16' 50.000" E	23° 37' 20.092" N
P-26	83° 16' 51.339" E	23° 37' 16.972" N
P-27	83° 16' 52.679" E	23° 37' 13.852" N
P-28	83° 16' 54.018" E	23° 37' 10.732" N
P-29	83° 16' 55.357" E	23° 37' 7.611" N
P-30	83° 16' 52.441" E	23° 37' 6.613" N
P-31	83° 16' 49.894" E	23° 37' 6.197" N
P-32	83° 16' 46.313" E	23° 37' 5.928" N
P-33	83° 16' 42.732" E	23° 37' 5.660" N
P-34	83° 16' 37.892" E	23° 37' 5.355" N
P-35	83° 16' 33.052" E	23° 37' 5.050" N
P-36	83° 16' 31.114" E	23° 37' 6.565" N
P-37	83° 16' 27.108" E	23° 37' 6.547" N
P-38	83° 16' 23.102" E	23° 37' 6.529" N
P-39	83° 16' 17.826" E	23° 37' 6.787" N
P-40	83° 16' 12.662" E	23° 37' 6.764" N
P-41	83° 16' 7.803" E	23° 37' 7.281" N
P-42	83° 16' 3.925" E	23° 37' 7.485" N
P-43	83° 16' 0.048" E	23° 37' 7.689" N
P-44	83° 15' 56.170" E	23° 37' 7.893" N
P-45	83° 15' 51.945" E	23° 37' 7.874" N
P-46	83° 15' 48.257" E	23° 37' 8.337" N
P-47	83° 15' 42.028" E	23° 37' 9.012" N
P-48	83° 15' 37.107" E	23° 37' 10.287" N
P-49	83° 15' 32.186" E	23° 37' 11.562" N

Provisional Cardinal Points for Sondiha Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-50	83° 15' 28.179" E	23° 37' 12.101" N
P-51	83° 15' 22.961" E	23° 37' 12.556" N
P-52	83° 15' 18.018" E	23° 37' 13.052" N
P-53	83° 15' 13.075" E	23° 37' 13.548" N
P-54	83° 15' 9.267" E	23° 37' 13.880" N
P-55	83° 15' 5.459" E	23° 37' 14.211" N
P-56	83° 15' 1.650" E	23° 37' 14.543" N
P-57	83° 14' 57.907" E	23° 37' 14.633" N
P-58	83° 14' 54.163" E	23° 37' 14.722" N
P-59	83° 14' 50.419" E	23° 37' 14.812" N
P-60	83° 14' 46.675" E	23° 37' 14.901" N
P-61	83° 14' 42.932" E	23° 37' 14.991" N
P-62	83° 14' 39.188" E	23° 37' 15.080" N
P-63	83° 14' 35.444" E	23° 37' 15.170" N
P-64	83° 14' 31.700" E	23° 37' 15.259" N
P-65	83° 14' 27.957" E	23° 37' 15.349" N
P-66	83° 14' 24.213" E	23° 37' 15.438" N
P-67	83° 14' 20.469" E	23° 37' 15.527" N
P-68	83° 14' 16.725" E	23° 37' 15.617" N
P-69	83° 14' 16.057" E	23° 37' 18.893" N
P-70	83° 14' 15.389" E	23° 37' 22.169" N
P-71	83° 14' 14.720" E	23° 37' 25.445" N
P-72	83° 14' 14.052" E	23° 37' 28.721" N
P-73	83° 14' 13.384" E	23° 37' 31.996" N
P-74	83° 14' 12.715" E	23° 37' 35.272" N
P-75	83° 14' 12.047" E	23° 37' 38.548" N
P-76	83° 14' 11.379" E	23° 37' 41.824" N
P-77	83° 14' 10.710" E	23° 37' 45.100" N
P-78	83° 14' 10.042" E	23° 37' 48.376" N
P-79	83° 14' 9.373" E	23° 37' 51.652" N
P-80	83° 14' 8.705" E	23° 37' 54.928" N
P-81	83° 14' 8.037" E	23° 37' 58.204" N
P-82	83° 14' 7.368" E	23° 38' 1.480" N
P-83	83° 14' 6.700" E	23° 38' 4.756" N
P-84	83° 14' 6.031" E	23° 38' 8.032" N
P-85	83° 14' 5.363" E	23° 38' 11.308" N
P-86	83° 14' 4.695" E	23° 38' 14.584" N
P-87	83° 14' 4.026" E	23° 38' 17.860" N
P-88	83° 14' 3.358" E	23° 38' 21.136" N
P-89	83° 14' 2.689" E	23° 38' 24.412" N
P-90	83° 14' 2.021" E	23° 38' 27.688" N
P-91	83° 14' 1.352" E	23° 38' 30.964" N
P-92	83° 14' 0.684" E	23° 38' 34.240" N
P-93	83° 14' 4.293" E	23° 38' 34.259" N
P-94	83° 14' 7.903" E	23° 38' 34.279" N
P-95	83° 14' 11.512" E	23° 38' 34.299" N
P-96	83° 14' 15.122" E	23° 38' 34.319" N
P-97	83° 14' 18.732" E	23° 38' 34.339" N
P-98	83° 14' 22.341" E	23° 38' 34.358" N

Provisional Cardinal Points for Sondiha Block

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-99	83° 14' 25.951" E	23° 38' 34.378" N
P-100	83° 14' 29.560" E	23° 38' 34.398" N
P-101	83° 14' 33.170" E	23° 38' 34.417" N
P-102	83° 14' 36.780" E	23° 38' 34.437" N
P-103	83° 14' 40.389" E	23° 38' 34.457" N
P-104	83° 14' 43.999" E	23° 38' 34.476" N
P-105	83° 14' 47.608" E	23° 38' 34.496" N
P-106	83° 14' 51.218" E	23° 38' 34.515" N
P-107	83° 14' 54.828" E	23° 38' 34.535" N
P-108	83° 14' 58.437" E	23° 38' 34.554" N
P-109	83° 15' 2.047" E	23° 38' 34.574" N
P-110	83° 15' 5.656" E	23° 38' 34.593" N
P-111	83° 15' 9.266" E	23° 38' 34.613" N
P-112	83° 15' 12.875" E	23° 38' 34.632" N
P-113	83° 15' 16.485" E	23° 38' 34.652" N
P-114	83° 15' 20.095" E	23° 38' 34.671" N
P-115	83° 15' 23.704" E	23° 38' 34.690" N
P-116	83° 15' 27.314" E	23° 38' 34.710" N
P-117	83° 15' 30.923" E	23° 38' 34.729" N
P-118	83° 15' 34.533" E	23° 38' 34.748" N
P-119	83° 15' 38.143" E	23° 38' 34.768" N
P-120	83° 15' 41.752" E	23° 38' 34.787" N
P-121	83° 15' 45.362" E	23° 38' 34.806" N
P-122	83° 15' 48.971" E	23° 38' 34.825" N
P-123	83° 15' 52.581" E	23° 38' 34.844" N
P-124	83° 15' 56.191" E	23° 38' 34.863" N
P-125	83° 15' 59.800" E	23° 38' 34.883" N
P-126	83° 16' 3.410" E	23° 38' 34.902" N
P-127	83° 16' 7.019" E	23° 38' 34.921" N
P-128	83° 16' 10.629" E	23° 38' 34.940" N
P-129	83° 16' 14.239" E	23° 38' 34.959" N