

**CHINTALPUDI SECTOR A1 BLOCK SUMMARY  
PART A**

Sl. No.	Features	Details
<b>1.</b>	<b>Location</b>	
	Coal Block	<b>Chintalpudi Sector A1</b>
	Latitude	17° 5' 15" N-17° 8' 11" N (Provisional)
	Longitude	80° 57' 47" E-80° 59' 53" E (Provisional)
	Topo Sheet No.	65 C/16
	Coalfield	Pranhita Godavari Valley
	Villages	Pattayagudem, Namavaram, Gudipadukhan, Venkatadrigudem, Venkatapuram, Lakshminarasimhapuram, Settivarigudem
	District	West Godavari
	State	Andhra Pradesh
<b>2.</b>	<b>Connectivity with Block</b>	
	Nearest Rail Head	This block is situated about 50 kms. from Eluru, the West Godavari District headquarter and 150 kms. from Amaravati the state capital of Andhra Pradesh and about 300 kms. from Hyderabad the capital of Telangana State.
	Road	This block is situated about 50 kms from Eluru and 150 Kms from Amravati, the state capital of Andhra Pradesh. Inter-state highways passes to the north of the block connecting Khammam to Jangareddygudem.
<b>3.</b>	<b>Area</b>	
	Geological Block Area	12.04 sq km
	Green Cover	Information not available.
	Non-Forest Area	Information not available.
<b>4.</b>	<b>Climate and Topography</b>	
	Average Annual Rainfall	1008 mm
	Temperature (Min. — Max.)	Max 45°C
	Local Surface Drainage Channels	Chintalapudi Sector-A1 Block exhibits topography which is gently sloping towards a small nalla named “Erra Kalva” which is flowing towards northeast direction and originating from a pond named as “Madavarapu Cheruvu” near Settivarigudem village located in south-eastern part of the block. The block area to the left bank of Erra Kalva slopes towards southeast direction and area to the right bank of Erra Kalva slopes towards northwest direction. Due to this most of the surface run off / drainage of the block is controlled by this Erra Kalva. Some small mounds are seen along this northeast flowing Erra Kalva (nallah) at places and near some ponds located within the block.

<b>5.</b>	<b>Exploration</b>				
	Status	Explored			
	Exploration Agency	MECL			
	Total Number of Boreholes with	126 Boreholes & 106466.02 m			
	Borehole Density	Approx. 10 borehole/ sq. km.			
	General Dip of Seams	Dipping towards S10°W, S45°E, Southerly and Northerly at places.			
	General Strike Direction	General trend N80°W-S80°E with local variations at places ranging from N-S, NE-SW to E-W directions.			
	Faults	The area under report represents a very complex structure comprising of a total of 15 faults F1-F1 to F15-F15 have been deciphered based on stratum contours and geological cross sections in Chintalapudi Sector-A1 Block. Throw ranging between 0 to 900m.			
<b>6.</b>	<b>Coal Seams &amp; Reserve (Proved: 823.857MT, Indicated: 43.872MT; TOTAL: 867.729MT)</b>				
	Coal Seams	Thickness Range (m)	Depth Range (m)	Resources (MT) (Proved + Indicated)	Grade
1	LK-1 TOP	0.21-2.38	40.67-570.70	0.906	G12-G17
2	LK-1 BOT	0.21-1.74	36.54-573.91	0.54	G10-G17
3	LK-2	0.20-3.71	64.27-620.49	0.598	G13-G17
4	LK-3 SECTION-1	0.26-1.22	49.99-599.51	0.033	G13-G17
5	LK-3 SECTION-2	0.27-1.44	40.01-602.50	0.809	G9-G17
6	LK-3 SECTION-3	0.30-4.36	54.16-629.09	0.574	G13-G17
7	LK-3 SECTION-4	0.32-2.35	49.39-634.45	13.319	G12-G17
8	LK-3 SECTION-5	0.30-3.38	36.61-651.94	4.564	G10-G16
9	LK-3 SECTION-6	0.30-2.73	40.00-653.54	7.255	G11-G17
10	LK-4 TOP	0.31-2.70	85.94-698.32	1	G11-G17
11	LK-4 BOT	0.14-3.38	72.86-700.89	2.612	G12-G17
12	LK-5 SECTION-1	0.30-3.37	100.60-737.80	2.786	G10-G17
13	LK-5 SECTION-2	0.30-1.87	103.11-740.53	4.761	G10-G17
14	LK-5 SECTION-3	0.31-4.08	108.05-748.30	2.77	G10-G17
15	LK-5 SECTION-4	0.34-4.54	111.20-750.40	10.812	G9-G17
16	LK-6 SECTION-1	0.30-1.69	167.41-780.20	0.81	G9-G17
17	LK-6 SECTION-2	0.35-10.00	170.47-780.10	10.517	G8-G17
18	LK-6 SECTION-3	0.31-3.68	152.64-792.02	3.218	G8-G17
19	LK-6 SECTION-4	0.22-4.58	155.70-790.90	9.716	G9-G17

20	LK-7+8 SECTION-1	0.32-6.59	163.20-760.02	11.505	G6-G17
21	LK-7+8 SECTION-2	0.18-4.34	166.25-861.82	2.817	G5-G17
22	LK-7+8 SECTION-3	0.17-4.70	170.20-766.52	6.071	G5-G17
23	LK-7+8 SECTION-4	0.30-4.15	172.42-868.10	4.491	G5-G17
24	LK-7+8 SECTION-5	0.60-5.84	178.84-775.17	19.733	G7-G17
25	LK-9	0.05-1.09	192.70-801.41	0	G9-G17
26	K-TOP	0.05-1.56	396.31-833.10	0.075	G10-G16
27	K-BOT	0.13-4.80	380.06-818.01	19.23	G10-G17
28	J	0.05-1.00	424.86-869.39	0	G10
29	I	0.15-1.91	427.67-898.00	2.41	G10-G17
30	H-TOP	0.10-1.97	440.00-889.14	0.345	G11-G16
31	H-MID	0.22-4.34	467.06-919.55	7.199	G9-G17
32	H-BOT	0.29-4.51	453.26-922.87	21.873	G8-G17
33	G-TOP	0.20-3.90	478.14-933.74	1.446	G12-G17
34	G-MID	0.27-2.72	480.25-937.77	7.906	G11-G17
35	G-BOT	0.31-5.36	486.50-940.23	8.627	G11-G17
36	F-TOP	0.32-3.18	504.61-949.47	1.041	G10-G17
37	F-MID	0.30-3.35	497.18-968.43	5.551	G8-G16
38	F-BOT	0.34-7.43	504.11-970.66	31.377	G9-G17
39	E-TOP	0.42-7.27	531.71-1003.44	28.63	G7-G14
40	E-MID	0.56-8.14	535.38-1007.67	45.22	G7-G14
41	E-BOT	0.50-10.20	543.56-1012.44	46.061	G6-G15
42	D	0.42-3.18	560.83-1028.02	21.56	G9-G17
43	C SECTION-1	1.04-12.49	598.22-1087.66	85.155	G10-G16
44	C SECTION-2	0.40-12.24	601.86-1090.90	30.987	G7-G17
45	C SECTION-3	0.33-6.03	604.77-1093.25	26.398	G7-G16
46	C SECTION-4	0.56-5.89	607.17-1097.84	19.551	G5-G16
47	B-TOP	0.74-8.66	622.87-1067.52	23.417	G7-G16
48	B-BOT	0.62-9.66	623.62-1118.24	50.392	G8-G16
49	A SECTION-1	0.62-8.70	580.16-1147.13	33.143	G9-G14
50	A SECTION-2	0.35-14.65	589.00-1161.94	145.933	G8-G15
51	A SECTION-3	0.51-9.84	592.26-1165.19	19.595	G6-G15
52	A SECTION-4	0.32-2.91	599.67-1169.77	13.06	G8-G15
53	A SECTION-5	0.38-4.15	604.06-1172.01	18.355	G9-G16
54	A SECTION-6	0.66-5.45	608.72-1176.29	30.975	G8-G16
	<b>Total</b>			<b>867.729</b>	
<b>7.</b>	<b>Surface Constraints</b>	Not available.			
<b>8.</b>	<b>Grade of coal</b>	G12 (Provisional), Based on seam-wise grade-wise data available in GR.			
<b>9.</b>	<b>Decision Support System (DSS) Analysis</b>	-			
<b>10.</b>	<b>Eco Sensitive Zone (ESZ)</b>	Northern boundary of the block is approx. 58 km from boundary of ESZ of Kinnersani.			

**PART B**

<b>Sr. No.</b>	<b>Features</b>	<b>Details</b>
<b>1</b>	<b>Tentative Peak Rated Capacity (Mty)</b>	<b>0.5 Mty</b>

**Note:**

1. The summary has been compiled from “Geological Report on Detailed Exploration for Coal in Chintalapudi Sector-A1 Block Sattupalli-Chintalapudi Coal Belt Godavari Valley Coalfield, District: West Godavari, Andhra Pradesh”. March-2021
2. Block boundary and cardinal points are provisional and shall be finalized after DGPS Survey of Boundary.

**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.

Chintalpudi Sector A1 Block, Pranhita Godavari Valley Coalfield

FOR INTERNAL/RESTRICTED USE ONLY

80°57'0"E

80°58'0"E

80°59'0"E

81°0'0"E

81°1'0"E

17°8'0"N

17°7'0"N

17°6'0"N

17°5'0"N

80°57'47" E  
17°8'11" N

P-34

P-33

P-36

P-37

P-38

P-39

P-40

P-41

P-42

P-01

80°59'53" E  
17°8'11" N

P-02

80°57'47" E  
17°5'15" N

P-31

P-32

P-29

P-30

P-28

P-27

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P-15

P-14

P-13

P-12

P-11

P-10

P-09

P-08

P-07

P-06

P-05

P-04

80°59'53" E  
17°5'15" N

P-03

P-04

P-05

P-06

P-07

P-08

P-09

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P-11

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P-30

P-31

**Legend**

- Bounding Points
- Bounding Envelope
- Cardinal Points
- Block Boundary

**OCBIS\_BLOCKS**

Category

- CIL
- ADDITIONAL CIL
- CMSP
- MMDR
- SCCL



17°5'0"N

17°6'0"N

17°7'0"N

17°8'0"N

81°1'0"E

81°0'0"E

80°59'0"E

80°58'0"E

80°57'0"E

**Provisional Cardinal Points for CHINTALPUDI Block**

POINT NO	Longitude (WGS84)	Latitude (WGS84)
P-1	80° 59' 1.334" E	17° 8' 6.951" N
P-2	80° 59' 52.635" E	17° 7' 10.125" N
P-3	80° 59' 36.233" E	17° 5' 21.709" N
P-4	80° 59' 35.294" E	17° 5' 15.564" N
P-5	80° 59' 31.942" E	17° 5' 18.608" N
P-6	80° 59' 28.679" E	17° 5' 21.463" N
P-7	80° 59' 23.816" E	17° 5' 26.653" N
P-8	80° 59' 19.914" E	17° 5' 31.412" N
P-9	80° 59' 16.228" E	17° 5' 35.790" N
P-10	80° 59' 9.473" E	17° 5' 44.937" N
P-11	80° 59' 3.371" E	17° 5' 55.689" N
P-12	80° 59' 0.336" E	17° 6' 2.701" N
P-13	80° 58' 58.815" E	17° 6' 9.773" N
P-14	80° 58' 56.371" E	17° 6' 15.252" N
P-15	80° 58' 55.176" E	17° 6' 16.936" N
P-16	80° 58' 51.719" E	17° 6' 19.083" N
P-17	80° 58' 48.171" E	17° 6' 20.122" N
P-18	80° 58' 43.410" E	17° 6' 21.332" N
P-19	80° 58' 40.024" E	17° 6' 22.131" N
P-20	80° 58' 36.361" E	17° 6' 22.668" N
P-21	80° 58' 33.054" E	17° 6' 23.096" N
P-22	80° 58' 28.095" E	17° 6' 23.724" N
P-23	80° 58' 24.432" E	17° 6' 23.921" N
P-24	80° 58' 20.238" E	17° 6' 23.800" N
P-25	80° 58' 9.377" E	17° 6' 24.719" N
P-26	80° 58' 4.171" E	17° 6' 25.561" N
P-27	80° 57' 59.907" E	17° 6' 26.551" N
P-28	80° 57' 56.397" E	17° 6' 27.699" N
P-29	80° 57' 52.787" E	17° 6' 29.182" N
P-30	80° 57' 50.905" E	17° 6' 30.101" N
P-31	80° 57' 49.256" E	17° 6' 31.194" N
P-32	80° 57' 47.856" E	17° 6' 32.285" N
P-33	80° 57' 48.185" E	17° 7' 6.425" N
P-34	80° 57' 48.821" E	17° 8' 10.121" N
P-35	80° 57' 51.137" E	17° 8' 9.319" N
P-36	80° 57' 59.812" E	17° 8' 6.863" N
P-37	80° 58' 11.118" E	17° 8' 5.032" N
P-38	80° 58' 21.164" E	17° 8' 4.798" N
P-39	80° 58' 35.122" E	17° 8' 5.754" N
P-40	80° 58' 45.331" E	17° 8' 6.815" N
P-41	80° 58' 50.477" E	17° 8' 6.912" N