

# CHHENDIPADA-II COAL BLOCK SUMMARY

## PART A

Sr. No.	Features	Details
<b>1.</b>	<b>Location</b>	
	Coal Block	Chhendipada-II Block
	Latitude	21° 05' 45"N to 21° 08' 00"N
	Longitude	84° 51' 54"E to 84° 54' 58"E
	Topo Sheet No.	73C/16 on RF 1:50000
	Coalfield	Talcher Coalfield
	Villages	Not Available
	Tehsil/ Taluka	Chhendipada
	District	Angul
	State	Odisha
<b>2.</b>	<b>Connectivity with Block</b>	
	Nearest Rail Head	Angul at a distance of 45 km
	Road	Connected to Angul (District Headquarter), which is the nearest town at a distance of about 45km, by metalled road.
	Airport	Airport at Bhubneshwar (capital town of Odisha) is about 195km from the block.
<b>3.</b>	<b>Area</b>	
	Geological Block Area	18.84 sq km
	Mining Lease Area (As per Mining Plan)	
	Project Area	
	Forest Area	
	Non-Forest Area	
<b>4.</b>	<b>Climate and Topography</b>	
	Average Annual Rainfall	71 cm to 186 cm (GR/data not available. Data taken from GR of adjoining Chhendipada-I block)
	Temp. (Min. – Max.)	9°C – 46.7°C cm (GR/data not available. Data taken from GR of adjoining Chhendipada-I block)
	Local Surface Drainage Channels	Brahmani river, flowing in approximately north-south direction along the eastern boundary of the Talcher coalfield, provides the main drainage of the region. Kumbhira, Durhuba, Thuntimahul nalas are main drainage channels in the block area.
	Rivers	Brahmani river, Tikra nadi, Kumbhira, Durhuba, Thuntimahul nalas.
<b>5.</b>	<b>Exploration</b>	
	Status	Exploration status inadequate
	Exploration Agency	CMPDI
	Total Number of Boreholes with meterage	No of BHs – 92; Meterage – 24012.00 m
	Borehole Density	4.8 BHs/sq km (92/18.84)
	General Dip of Seams	1° to 3° towards north in general
	General Strike	Generally E-W with local variations

	Direction						
<b>6.</b>	<b>Workable coal Seam details (As per Basic exploration data available)</b>						
	Coal Seams/ Parting	Thickness Range(m)	Depth Range	Geological Reserve (Mte)	Extractable Reserve (Mte)	Grade	Mining Method (UG/OC/Mixed)
	XIV	0.41					
	XIII	0.74-0.95					
	XII	1.04-3.06					
	XI	0.22-5.78					
	X	0.54-4.53					
	IX	0.27-7.64					
	VIIIT	1.20-10.41					
	VIIIB	1.33-11.90					
	VIII	1.30-22.11					
	VII & VIII	21.19					
	VII	0.56-16.02					
	VI, VII & VIII	12.68-17.88					
	VI & VII	3.14-17.47					
	VI	0.65-12.94					
	VB	0.62-3.44					
	VA	0.16-2.31					
	V	0.45-6.05					
	IV & V	2.10-12.31					
	IVB	0.83-4.08					
	<b>IVA</b>	0.87-3.71					
	IV	0.22-8.90					
	IIITT	0.15-5.65					
	IIITM	0.07-9.44					
	IIITB	0.30-9.62					
	IIIM	0.10-10.94					
	IIIM & IIIB	11.50					
	IIIB	0.13-9.18					
	LOCAL I	0.21-1.90					
	IIT	0.29-4.87					
	IIM	0.25-3.46					
	IIB	0.11-4.51					
	IA TT	0.64-8.26					
	IA TOP	0.39-20.72					
	IA BOT	1.30-12.46					
	IB	0.93-5.12					
	IC	1.14-4.62					
	ID	1.47-3.03					
	IE	0.50-6.88					
	IF	1.01					

Chhendipada II Block – 1253 Mtes net geological reserves under indicated category

**PART B**

Sr. No.	Features	Details
<b>1.</b>	<b>Previous Allocation</b>	
	Name and Address of Allocatee	Uttar Pradesh Rajya Vidut Utpadan Limited, Chhattisgarh Mineral Development Corporation Limited, Maharashtra State Power Generation Corporation Ltd.
<b>2.</b>	<b>Target Capacity as per Mining Plan</b>	
<b>3.</b>	<b>Status of Clearances/Approvals</b>	
	Mining Plan/ Mine Closure Plan	Mine plan and Mine Closure Plan Approved vide letter no. 13016/20/2010-CA-I dt. 4 <sup>th</sup> July 2011
	Forest Clearance	Not Obtained
	Environmental Clearance	Not Obtained
	Mining Lease	Information not available
	Land Acquisition	Nil
	No. of PAPs as per Mining Plan	NA
<b>4.</b>	Surface Infrastructure already built, if any.	Nil

Note: The above data is compiled from Geological Report, Approved Mining Plan, Mine Closure Plan, Environmental Clearance and the data furnished by the prior allottee in relevant Annexures.

**Remarks**

A letter was written by GM (Exploration), CMPDI on 8/11/17 to Joint Secretary (RKS), GOI, MOC regarding "Issues related to Machhakata, Mahanadi, Chhendipada-I and Chhendipada-II coal blocks". The content of the letter is as follows:

"This is in reference to the meeting in MoC on the above subject on 24/8/2017. The issue related to the block boundaries of Machhakata, Mahanadi, Chhendipada — I and Chhendipada — II blocks were discussed in detail.

- (i) Issues related to boundary adjustment of Machhakata and Mahanadi coal blocks were sent to MoC vide letter No. CMPDI/DG/Captive/112 dated 05.10.2017 (copy enclosed as Annexure-IA and IB). A brief note on valuation of Machhakata, Mahanadi, Chhendipada-I and Chhendipada-II coal blocks is enclosed as Annexure-II including tentative valuation of these coal blocks.
- (ii) Issues related to boundary adjustment of Chhendipada-I & Chhendipada-II were sent to MoC vide letter No. CMPDI/DG/129 dated 05.10.2017 (copy enclosed as Annexure-IIIA and IIIB). Issues related to mineability of Chhendipada-II is given in Annexure-III and that of valuation of Chhendipada-I & Chhendipada-II are enclosed in Annexure-II.
- (iii) Issues related to boundary adjustment of Chhendipada-II coal block were sent to MoC vide letter No. CMPDI/DG/924 dated 18.10.2017 (copy enclosed as Annexure-IVA and IVB).
- (iv) Thereafter an exercise was taken up to find the mineability of the remaining partially explored Chhendipada-II coal block and after the exercise it has been found that an opencast mine of 20-25 MTY

independently can be planned in Chhendipada-II coal block. During the exercise it is also observed that in the northern side of its boundary, deep seated coal reserves and non-coal bearing Talchir/ Metamorphic formation is there and can be used for over burden dumping. Considering this, it is advisable to extend the block boundary on northern side up to the Tikra Nadi to include deep seated coal bearing and non-coal bearing Talchir/Metamorphic Formation to create overburden dumping space (Plan enclosed). Part of this additional area will be coal bearing and part of it will be non-coal bearing. A brief note on the mineability of this coal block is given in Annexure —V.

- (v) So, in view of the exercise described in Point No. (iv) above, letter No. CMPDI/DG/924 dated 18.10.2017 referred in point No. (iii) above is hereby withdrawn.”

Annexures referred above consists of:

1. Annexure 1A: Letter no CMPDI/DG/Captive/112 dated 5.10.17 for “Boundary adjustment of Machekata & Mahanadi coal blocks –for approval.
2. Annexure I B- Plan of Machakata showing proposed Revision of boundary as attachment of the above letter
3. Annexure III A- Letter no CMPDI/DG/127 dt- 05.10.12 for “Boundary adjustment of chhendipada-I & Chhendipada-II – for approval.
4. Annexure IIIB- Plan showing revised boundary Chhendipada as attachment of the above letter.
5. Annexure IVA- Letter dt- 18.10.12 for “ Boundary adjustment of Chhendipada-II - for approval”
6. Annexure IVB- Brief note on potentiality of opencast mine in chhendipada-II block along with Plan as attachment of the above letter.
7. Annexure IV- Note on valuation of Machakata, Mahanadi, Chhendipada-I and chhendipada-II coal blocks.
8. Annexure IV- brief note on potentiality of opencast mine in Mahanadi coal block.