

CHHENDIPADA-I COAL BLOCK SUMMARY

PART A

Sr. No.	Features	Details
1.	Location	
	Coal Block	Chhendipada-I Block
	Latitude	21° 04' 30"N to 21° 05' 55"N
	Longitude	84° 52' 00"E to 84° 55' 00"E
	Topo Sheet No.	73C/16 on RF 1:50000 & special topo sheet nos: M11 & L11 on RF 1:10000
	Coalfield	Talcher Coalfield
	Villages	Chhendipada, Baghadia etc
	Tehsil/ Taluka	Chhendipada
	District	Angul
	State	Odisha
2.	Connectivity with Block	
	Nearest Rail Head	Angul at a distance of about 40km from the southern boundary of block.
	Road	Connected to Angul (District Headquarter), which is the nearest town at a distance of about 40km, by metalled road.
	Airport	Airport at Bhubneshwar (capital town of Odisha) is about 185km from the block
3.	Area	
	Geological Block Area	8.301 sq km
	Mining Lease Area (As per Mining Plan)	2742.00 Ha
	Project Area	2820.22 Ha
	Forest Area	340.30 ha
	Non-Forest Area	2401.70 Ha
4.	Climate and Topography	
	Average Annual Rainfall	71 cm to 186 cm
	Temp. (Min. – Max.)	9°C – 46.7°C
	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. Gaudhuni nala (seasonal in nature) forms the south and eastern boundary of the block and flows from south to north. Kumbhira nala (seasonal in nature) is flowing across the block from south to north near western boundary the block. Both are discharging in Tikra nadi, which is running along the northern boundary of the coalfield. The Tikra Nadi merges in its downstream into Brahmani river at northeastern corner of the coalfield.
	Rivers	Brahmani river, Tikra nadi, Gauduni nala & Kumbhira nala.
5.	Exploration	
	Status	Chhendipada I – Detailed exploration done. Additional Boreholes required below Chhendipada village.
	Exploration Agency	GSI and CMPDI
	Total Number of	No of BHs – 125; Meterage – 26237.30 m

	Boreholes with meterage						
	Borehole Density	15 BHs/ sq km. (125/8.301)					
	General Dip of Seams	Generally towards north with NW to west in the eastern part and amounts to 1 ^o to 3 ^o .					
	General Strike Direction	Generally East-West and swings to NE-SW to N-S in the eastern part.					
6.	Workable coal Seam details (As per the Mining Plan)						
	Coal Seams/ Parting	Thickness Range(m)	Depth Range	Geological Reserve (Mte)	Extractable Reserve (Mte)	Grade	Mining Method (UG/OC/Mixed)
	Soil	3.00-20.00					OC
	WM	0.12-13.90					
	IX Parting	1.26-1.26		-			
	VIII Parting	4.30-4.30					
	VIII Parting	15.81-15.81		10.288	9.4134	E-G	
	VIII Parting	0.92-3.75					
	VI-VII Parting	9.56-16.88		58.927	57.1773	E-G	
	VI-VII-VIII INC Parting	30.22-30.22		5.772	4.5683	E-F	
	V Parting	1.13-13.99					
	V Parting	0.43-2.91		9.180	8.5777	D-G	
	V Parting	1.17-15.64					
	IV Parting	0.23-3.55		4.262	5.3113	E-G	
	IV-V Parting	2.60-5.46		1.355	1.6398	F-G	
	IV-V Parting	4.18-22.57					
	III T (T) Parting	1.87-7.91		14.088	12.6069	D-F	
	III T (T) Parting	1.30-20.12					
	III T (M) Parting	0.75-4.31		7.153	4.9194	E-G	
	III T (T+M) Parting	4.87-11.92		58.559	52.838	D-G	
	III T (T+M) Parting	1.88-12.89					
	III T (B) Parting	0.10-2.80		4.798	3.6232	E-G	
	III T Parting	11.00-12.23		4.533	4.1143	F-G	
	III T Parting	1.30-25.29					
	III M Parting	3.90-9.53		91.725	80.7275	D-G	
	III M Parting	2.30-19.79					
	III B Parting	2.19-10.95		88.724	71.5299	D-G	
	III B Parting	54.67-93.88					
	I A T Parting	9.22-18.83		126.208	97.3283	D-F	
	I A T Parting	1.00-10.64					
	I A B Parting	2.11-11.87		51.005	38.9123	B-G	
	I A Parting	14.90-23.44		22.408	21.0508	D-E	
	Total Coal (Mtes)			558.985	474.3384		
	Total OB(Mm3)				975.29		
	SR(m3/te)				2.06		

PART B

Sr. No.	Features	Details
1.	Previous Allocation	
	Name and Address of Allocatee	Uttar Pradesh Rajya Vidut Utpadan Limited, Chhattisgarh Mineral Development Corporation Limited, Maharashtra State Power Generation Corporation Ltd.
2.	Target Capacity as per Mining Plan	40.00 Mty
3.	Status of Clearances/Approvals	
	Mining Plan/ Mine Closure Plan	Mine plan and Mine Closure Plan Approved vide letter no. 13016/20/2010-CA-I dt. 4th 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	13337 (as per mining plan)
4.	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) (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.