



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi, Jharkhand-834 004

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Letter No.- EC/SEIAA/2022-23/2656/2022/

Ranchi, Date:

To: Sri Soumitra Singh,
Deputy General Manager (Env. & Forest),
Central Coalfields Limited, Darbhanga House,
P.O. - Ranchi, District - Ranchi, - 834001.

Corrigendum Environmental Clearance

Sub: Corrigendum of Environmental Clearance for the project “Kabribad Opencast Coal Mine Project (0.6 MTY Capacity) of M/s Central Coalfields Limited at Village : Kabribad, Chunjka, Patrodih, Khandih, Chilga, Tehsil : Giridih, Distt. : Giridih, Jharkhand (90.84 Ha)” (Proposal No. : SIA/JH/CMIN/297660/2023) – regarding.

Ref: Your online application dated – 16.02.2023.

1. This is in continuation of Environmental Clearance issued by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand vide letter no.- EC/SEIAA/2022-23/2656/2022/365, Ranchi, Date : 30.01.2023 and further reference to your online application dated : 16.02.2023 and online application no : SIA/JH/CMIN/297660/2023 requesting for corrigendum of Environmental Clearance with regard to **change of correction in per year production**.

2. The State Level Environment Impact Assessment Authority (SEIAA), Jharkhand has accorded the Environmental Clearance vide office letter no. : EC/SEIAA/2022-23/2656/2022/365, Ranchi, Date : 30.01.2023 for “Kabribad Opencast Coal Mine Project (0.6 MTY Capacity) of M/s Central Coalfields Limited at Village : Kabribad, Chunjka, Patrodih, Khandih, Chilga, Tehsil : Giridih, Distt. : Giridih, Jharkhand (90.84 Ha)”. The project proponent has requested to issue the corrigendum of Environmental Clearance w.r.t. inter change of **correction in per year production**.

3. Your request has been examined by the State Level Expert Appraisal Committee (SEAC), Jharkhand in its 101st meeting held on 20th, 21st, 22nd, 23rd & 24th February, 2023. based on the information furnished/provided and discussion held, the State Level Expert Appraisal Committee, (SEAC) recommended to issue **corrigendum of earlier Environmental Clearance** issued vide letter no. : EC/SEIAA/2022-23/2656/2022/365, Ranchi, Date : 30.01.2023. as the following:-

“The PA's vide online application no. SIA/JH/CMIN/297660/2023 has requested for necessary corrigendum in Environmental Clearance issued vide letter no. EC/SEIAA/2022-23/2656/2022/365, dated 30.01.2023 with regard to correction in per year production, the revised details is being given below:

Kabribad OC is an operating mine located in Giridih coalfields of Central Coalfields Limited, Jharkhand. Mining activity in the coalfield started as early a 1871 by M/s Bangal Coal Company & by then State Railway and subsequently transferred to National Coal Development Corporation (NCDC) about 60 years back. Later in the year 1973, it came under the control of Central Coalfields Limited (CCL), a subsidiary of Coal India Limited. Presently it is under the administrative control of Giridih Area of CCL.

The Kabribad OCP is located about 3.50 kms to the south Giridih town and is covered in Survey of India toposheet no. 72L/8 (in 1:50,000 scale). The block boundary by latitudes 24°8'45" to 24°9'41" North and Longitudes 86°17'39" to 86°18'42" East. The nearest railway station Giridih is about 5 km from the project. Giridih railway station is on the Giridih-Madhupur line of the Asansol Railway division in the Eastern Railway Zone of Indian Railway.

The general flow of the streams is towards south. Most of the streams meet Barakar River at about 6 km south-west of the proposed OCP. The water level is very close to the surface during rainy season and about 20 m below surface during dry season.

The method of mining proposed to be adopted to extract coal and OB in Kabribad Opencast mine will be inclined slicing with shovel-dumper combination as the gradient of the seams vary from 6-10° with an average gradient of 8°. It is proposed to mine Khandiha I & II seams in Kabribad OC.

The mineable reserve of Kabribad OC is estimated as 3.60 Mte with corresponding volume of OB estimated as 5.14 Mm³ with an average stripping ratio of 1.43 cum/t. The life of proposed project is 7 years.

Kabribad OC receives power at 11 KV from Beniadih substation of CCL DVC substation at Bhandaridih at a distance of 25 kms is the main source of power. The power consumption demand is max. 4500 KVA (Total annual consumption = 18375.30 MWH).

Water requirement:

Industrial water	Domestic water	Mine discharge
225 m ³ /day	317 m ³ /day	300 m ³ /day
Industrial water demand of Kabribad OC is being fulfilled by mine water discharge. The domestic water demand is fulfilled from Giridih Colliery abandoned UG water source.		

The total project area of Kabribad OCP is 90.84 Ha. The proposed land use during mining is as given below:

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Land Use During Mining	
Particulars	Area (Ha.)
Quarry	39.94
OB dump	31.95
Old mine void filled with water	3.77
Infrastructures (W/S. coal Stock, etc.)	2.62
Road	0.91
Safety zone & vacant land	11.65
Total Area	90.84

The coal production from Kabribad OC was as given below:

Year	Kabribad OC Coal Prod. (Mte)
1993-94	0.297
1994-95	0.280
1995-96	0.195
1996-97	0.288
1997-98	0.249
1998-99	0.128
1999-00	0.078
2000-01	0.104
2001-02	0.110
2002-03	0.146
2003-04	0.122
2004-05	0.150
2005-06	0.137
2006-07	0.201

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Year	Kabribad OC Coal Prod. (Mte)
2007-08	0.403
2008-09	0.415
2009-10	0.371
2010-11	0.338
2011-12	0.234
2012-13	0.310
2013-14	0.431
2014-15	0.559
2015-16	0.331
2016-17	0.188
2017-18	0.25
2018-19	0.19
2019-20	0.00
2020-21	0.00

Geological and Mining Characteristics of Kabribad OC

Sl. No.	Particulars	Unit	Value
I.	COAL SEAMS		
A.	SEAM THICKNESS		
1	Khandia III/IV seam	M	2.74-7.73
2	Upper Khandia	M	6.4-13.41
3	Lower Khandia	M	1.10-4.98
B.	GRADIENT OF THE SEAM	Degree	6-10
C	AV. SP. GRAVITY OF SEAM		1.5-1.70
1	Khandia III/IV seam	Te/Cum	1.62
2	Upper Khandia	Te/Cum	1.63
3	Lower Khandia	Te/Cum	1.62
D.	DRILLING CATEGORY	Assumed	VIII

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E	EXCAVATION CATEGORY	Assumed	Cat.III
			Cat. IV
II	OVERBURDEN		
1.	OB Thickness		
i	Above Khandia III/IV	M	0-30.00
ii	Parting between Khandia III/IV and upper Khandia	M	7.99-19.94
iii	Parting between upper Khandia and Lower Khandia	M	0.61-6.50
3.	Drilling Category	Assumed	II-X
4.	Excavation Category	Assumed	Cat. III
			Cat IV
5.	O.B Volume weight	T/cum	2.40
III	QUARRY PARAMETERS		
1.	Maximum strike length along quarry floor	M	1275
2.	Maximum length of quarry along dip at quarry floor	M	435
3.	Maximum Depth of quarry	M	70
4.	Area of excavation	Sq km	0.40

Kabribad OC: Seamwise details of Geological vis-à-vis Mineable Reserves:

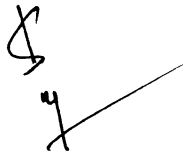
Seam	Avg Thickness (m)	Net Geological Reserve (MT)	Mineable reserve (MT)
Khandiha II Top	2.91	1.137	0.821
Khandiha II Bot	2.60	1.094	0.732
Khandiha I Top	4.11	2.146	1.290
Khandiha I Bot	2.40	1.373	0.757
Total		5.750	3.600

LAND DETAILS :

Khata No.:-

Chilga:- 1.21.22.29







Chunjka: -2,19,220

Akdoni Khurd: -75,145,60,204,135,216,1

Khandiha: 1,2,3,5,6,7,8,9,10,11,13,14,16,17,18,19,20,21,22,23,24,25,26,28,29,30,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,90,91,92.

Plot No.: -

Chilga: - 204(P),205(P), 206, 207(P),214(P), 215(P), 240(P), 254(P), 255(P), 256(P), 257(P),258, 259(P),260 to 275, 276(P),277,278,279(P),284(P),287,289

Chunjka: - 1(P), 2(P), 222, 224(P),225(P), 226(P),227(P),1233

Akdoni Khurd: - 1426(P), 1427, 1428(P),1429, 1430(P),1431(P), 1432 to 1474, 1475(P), 1476(P), 1477(P), 1492(P), 1501(P),1502(P),1503(P)

Khandiha:- 1(P), 2(P),13(P), 14(P), 15(P), 16(P), 24(P), 27(P), 28(P), 30 to 34, 35(P), 36 to 49, 50(P),52(P), 54(P), 58(P), 60(P), 61(P), 62(P), 66(P), 74(P),75(P), 76 to 117,118(P),119(P),120(P),

121(P),125(P),127(P),128(P),130(P),132(P),133(P),134(P),135(P),136 to 149, 150(P),151 to 235, 236(P), 237,238(P), 239(P), 242(P), 243(P), 244 to 396, 400 to 409, 411, 412, 415(P), 416.

STATUTORY CLEARANCES:

1.	LOI/Lease docs	:	Land has been Transferred to National Coal Development Corporation (NCDC)
2.	CO	:	The CO, Giridih Sadar vide letter no. 726, dated 01.08.2022 has mentioned the plot no. of the project is recorded as "Jungle Jhari" in Khatiyani.
3.	DFO Wild Life	:	DFO, Wildlife Hazaribagh vide letter no. 1550, dated 16.08.2022 certified that the said project is out of Eco Sensitive Zone of Parasnath Wildlife Sanctuary.
4.	DFO Forest Distance	:	DFO, Giridih East Division vide letter no. 1922, dated 09.06.2022 certified that the distance of reserved / protected forest is less than 250 m from proposed project site.
5.	Mine Plan Approval	:	Ref No.:- CS/BM/510/2022/62, Dated:- 22.02.2022.
6.	Public Hearing	:	Public Hearing conducted on 26.02.2022

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7.	Terms of Reference (ToR)	:	Violation Terms of Reference (ToR) granted by MoEF&CC, Govt. of India vide F.No. 23-1/2020-IA.III, dated 27.04.2021.					
8.	Diversion of forest land		Application for diversion of forest land(GMJJ) vide proposal no. FP/JH/MIN/414009/2023, dated 10.01.2023 for area 27.37 Ha.					
			DETAILS OF PATCH-WISE GMJJ LAND OF KABIBAD OCP					
			SL. NO	PATCH NO.	MOUZA	PLOT NO.	AREA (IN HA)	TOTAL AREA (IN HA)
			1	PATCH - 1	AKDONI KHURD	1492(P)	2.90	2.90
			2	PATCH - 2	AKDONI KHURD	1501(P)	1.42	18.49
					KHANDIHA	1(P)	7.37	
						400	9.70	
			3	PATCH - 3	KHANDIHA	239(P)	0.63	0.63
			4	PATCH - 4	KHANDIHA	242(P)	1.48	1.48
			5	PATCH - 5	KHANDIHA	325(P)	2.02	2.02
			6	PATCH - 6	KHANDIHA	385	0.18	1.15
						390	0.97	
			7	PATCH - 7	CHUNJKA	227(P)	0.43	0.43
			8	PATCH - 8	KHANDIHA	130(P)	0.27	0.27
			TOTAL					27.37

4. The recommendation of SEAC, Jharkhand in this regard has been examined by the State Level Environment Impact Assessment Authority, Jharkhand in its 102nd meeting held on 17th and 18th March, 2023 and decided **corrigendum of Environmental Clearance** to the said project proposal as recommended by SEAC alongwith all other terms and conditions of earlier EC letter no. **EC/SEIAA/2022-23/2656/2022/365**, Ranchi, Date : **30.01.2023** shall remain the same.

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5. This is issued with the approval of competent Authority.

Yours Sincerely,

Sd/-

**Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand**

Memo No: EC/SEIAA/2022-23/2656/2022/464.

Ranchi, Date: 24.03.2023.

Copy to:

1. Additional Chief Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District- Giridih, Jharkhand.
3. Divisional Forest Officer Giridih East Forest Division, Giridih, Jharkhand.
4. Divisional Forest Officer, Wildlife Division, Hazaribagh, Jharkhand.
5. Director IA Division, Monitoring Cell, MoEF and Climate Change, Indira Paryavaran Bhavan, Jorbag Road, Aliganj, New Delhi – 110003.
6. Integrated Regional Office, Ranchi, Ministry of Environment, Forest and Climate Change, 2nd Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
7. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
8. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
9. Website.
10. Guard file.

Handwritten signature
24/03/2023
Member Secretary

**State Level Environment Impact
Assessment Authority, Jharkhand**

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