



File No: EC/SEIAA/2026-27/4084/2026

State Environment Impact Assessment Authority (SEIAA), Jharkhand

(Constituted as per the provision of EIA Notification, 2006, as amended by the Ministry of Environment, Forest and Climate Change, Government of India)



Dated: 16/06/2026

To,

Anil Kumar Singh
CENTRAL COALFIELDS LIMITED
CENTRAL COALFIELDS LIMITED, DARBHANGA HOUSE, KUTCHERY ROAD, Ranchi,
RANCHI, JHARKHAND, 834029
moef-parivesh.ccl@coalindia.in

Subject: Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding in respect of project KDH EXPANSION OCP (PHASE-I) (PROJECT AREA- 219.80 Ha, CAPACITY- 4.5 MTY) submitted to Ministry vide proposal number SIA/JH/CMIN/573566/2026 dated 17/04/2026.

2. The particulars of the proposal are as below:

(i) TOR Identification No.	TO26B0101JH5896635N
(ii) File No.	EC/SEIAA/2026-27/4084/2026
(iii) Clearance Type	TOR
(iv) Category	B1
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vi) Name of Project	KDH EXPANSION OCP (PHASE-I) (PROJECT AREA- 219.80 Ha, CAPACITY- 4.5 MTY)
(vii) Name of Company/Organization	CENTRAL COALFIELDS LIMITED
(viii) Location of Project (District, State)	RANCHI, JHARKHAND
(ix) Issuing Authority	SEIAA
(x) Applicability of General Conditions	no
(xi) Applicability of Specific Conditions	no

Plot/Survey Khasra Nos.:

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A and B) were submitted to the Ministry for an appraisal by the State Environment Impact Assessment Authority(SEIAA) Appraisal Committee (SEIAA) in the Ministry under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by State Environment Impact Assessment Authority(SEIAA) Appraisal Committee of SEIAA in the meeting held on 02/06/2026. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.
5. The brief about configuration of plant/equipment, products and byproducts and salient features of the project along with environment settings, as submitted by the Project proponent in Form-1 (Part A, B and C)/EIA & EMP Reports/presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on 02/06/2026, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of Terms of Reference under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of specific and general conditions as detailed in Annexure (2).
7. The SEIAA has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the State Environment Impact Assessment Authority(SEIAA) Appraisal Committee hereby decided to grant Terms of Reference for instant proposal of M/s. Anil Kumar Singh under the provisions of EIA Notification, 2006 and as amended thereof.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Terms of Reference to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. This issues with the approval of the Competent Authority.

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Annexure 1

Standard Terms of Reference for (Mining of minerals)

1.

S. No	Terms of Reference
1.1	An EIA-EMP Report shall be prepared for..... MTPA peak capacity in an ML/project area of.....ha based on the generic structure specified in Appendix III of the EIA Notification, 2006.
1.2	An EIA-EMP Report would be prepared for..... MTPA peak capacity to cover the impacts and environment management plan for the project specific activities on the environment of the region, and the environmental quality encompassing air, water, land, biotic community, etc. through collection of data and information, generation of data on impacts including prediction modeling for MTPA of coal production based on approved project/Mining Plan for.....MTPA. Baseline data collection can be for any season (three months) except monsoon.
1.3	If the washery is located within the mine lease or near to the mine lease its location should be cited

S. No	Terms of Reference
	seperately also, providing pillar cordinates and site layout plan. Insuch cases cumulative impact of mine operation with washery to be assessd and EMP measure to be drawn to the worst scenario
1.4	Plan of mechanized transportation of coal to coal washery also for rejects and washed coal to be drawn
1.5	Propoer KML file with pin drop and coordinate of mine at 500-1000 m interval be provided

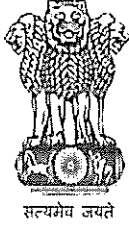
Additional Terms of Reference

N/A

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Coal	Coal	4.5	0	4.5	MTPA	Combination of two or three modes



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834004

E-mail: msseiaa.jhk@gmail.com / website: www.jseiaa.in

Letter No : EC/SEIAA/2026-27/4084/2026/

Ranchi, Date :

**To: Shri Raj Kumar,
GM / HOD (Env.),
M/s Central Coalfields Limited,
Darbhanga House, P.O. : Ranchi,
District : Ranchi, Jharkhand – 834001.**

Sub: Prescribing of ToR to “KDH Expansion OCP Phase – I (4.5 MTPA) of M/s Central Coalfields Ltd. at Village : Bishrampur & Karketta, Tehsil : Khalari, District : Ranchi, Jharkhand (219.80 Ha)”, (Proposal No. SIA/JH/CMIN/573566/2026) - regarding.

Ref: Your application no. KDH/PO/PS/Env/2026-27/14, dated : 08.04.2026.

Sir,

It is in reference to the project “KDH Expansion OCP Phase – I (4.5 MTPA) of M/s Central Coalfields Ltd. at Village : Bishrampur & Karketta, Tehsil : Khalari, District : Ranchi, Jharkhand (219.80 Ha)” submitted by you for seeking Terms of Reference (ToR).

This is an expansion project which has been taken for appraisal on 25.04.2026.

Project Sector: 1(a) Mining of Minerals (Coal) as per EIA Notification, 2006, Category: B1.

Application for: ToR for Opencast Coal Mining: 4.5 MTPA in an area of 219.80 Ha

It is in reference to the project “KDH EXPANSION OCP (PHASE-I) of Central Coalfields Limited (Capacity: 4.50 MTPA, Area: 219.80 Ha, Village: Bishrampur and Karketta, Anchal: Khalari, Dist.: Ranchi, Jharkhand” submitted by you for seeking Terms of Reference (ToR).

The KDH Extension Opencast Project (OCP) is an existing mine which was granted Environmental Clearance (EC) on 30.01.2015 for a peak capacity of 5.0 MTPA over an area of 489.30 Ha. The coal reserves within the sanctioned area are now nearing exhaustion. In order to ensure continuity of coal production and to meet the growing energy demands of the nation, an expansion mining plan has been approved by Central Coalfields Limited (CCL).

The present proposal involves an area of 219.80 Ha, comprising 44.80 Ha from the existing EC area and an additional 175.00 Ha as fresh area. Accordingly, the proposal is being submitted as an expansion of the earlier EC. The remaining area of 444.50 Ha (i.e., 489.30 Ha – 44.80 Ha) of

the existing KDH OCP will be reclaimed as per the Final Mine Closure Plan, which is currently under preparation.

The present proposal is for issuance of ToR for Opencast Coal Mining: 4.5 MTPA in an area of 219.80 Ha. In this regard, the Project Proponent has sought ToR, for which an online application in Form-1, along with other requisite documents, has been submitted

PROJECT AND LOCATION DETAILS:

SI	Parameter	Details
1	Project Name	: KDH EXPANSION OCP (PHASE-I) of Central Coalfields Limited (Capacity: 4.50 MTPA, Area: 219.80 Ha
2	Project Proponent	: Shri Anil Kumar Singh, Project Officer, KDH OCP
3	Address	: Project Officer, KDH Expansion OCP Phase -I (4.50 MTPA), NK Area, CCL Post- Dakra Dist.-Ranchi, State- Jharkhand.
4	Area	: Ha:219.80 ha Acres:542.906 Acres
5	Type of Land	: Forest Land: 146.38 Ha& Non-Forest Land: 73.42 Ha
6	Project Cost	: 2483Crore
9	New or Expansion	: Expansion
10	Mineable Reserves	: Coal: 22millionTonnes OB: 40.42 Mcum
11	Mine Life	: 8 years
12	Man power	: 621
13	Water Requirement	: 1458 KL/Day
14	Water Source	: Mine seepage
15	Power	: The source of power for K. D. Hesalong OCP, is 2X50 MVA, 132/33 KV sub-station of DVC, located at Piparwar.
16	Crusher	: No
17	Nearest Water Body	: Kendua Nala (100 meter) in the west of the block and SonadobhaNala (60 meter) in the east
18	Nearest Habitation	: Khalari (1 KM)

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19	Nearest Rail Station	:	Khalari(1 KM)
20	Nearest Air Port	:	Ranchi (65 KM)
21	Nearest Forest	:	Within Project boundary
22	Road & Highways	:	State Highway-7 (4 KM)

CO-ORDINATES:

1	Latitude	From 23° 39' 21'' N	To 23° 40' 27''N
2	Longitude	From 84° 58' 53'' E	To 85° 00' 30" E

The project includes 146.38 Ha of forest land. The details of Forest Land are submitted below:

SN	File No./ Proposal No	Dated	Total Area in Ha. as per FC		Area included in the present proposal		Status
			Notified Forest	GM JJ Land	Notified Forest	GM JJ Land	
1	8-79/1990-FC(Vol-I)	26.10.2009	28.95	0	19.66	0	Stage-II FC issued
2	8/62/2018-FC	27.02.2023	84.35	42.37	84.35	42.37	Stage-I FC issued
Total Area in Ha.					104.01	42.37	

Working Details:

1	Mining Method	Opencast method using Shovel Dumper combination
2	Project Area and capacity	219.80 Ha. and 4.5 MTPA
3	No of Seams considered	A total of 9 coal Seams (including splits) have been encountered within the project area viz.; Seam Dakra (splits to Upper Dakra and Lower Dakra), Seam Bukbuka (splits to Bukbuka Top and Bukbuka Bottom), Bistrampur and Karkata. In 6 boreholes, Seams Karkata and Bistrampur combine to form Seam Karkata+Bistrampur.

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4	Average Grade	G9 and G10
5	Life	08 Years
6	Extractable Mineable Reserve	22 Mte
7	Depth of Working	200 m
8	Coal Linkage	Tipping trucks from mine to KDH railway Siding, which is 2 km away from the proposed project

Details of Coal Seam to be worked:

Description of coal seams proposed to be worked				
Name of seam/ Parting	Average Thickness/Parting Thickness (m)	Grades	Mineable Reserve (MT)	Volume of OB (Mcum)
Top OB	32.8	G9-G10		16.83
Karkata	3.69		1.74	
Parting	21.8			9.46
Bisrampur	7.17		3.36	
Parting	11.9			4.7
Bukbuka T	8.59		3.78	
Parting	0.8			0.61
Bukbuka B	7.92		3.3	
Parting	20.3			7.25
Upper Dakra	6.24		2.44	
Parting	2.5			1.56
Lower dakra	18.03		7.38	
Total				
Coal			22	
OB				40.42

Proposed Calendar Program:

Year of Quarry Operation	Coal output(MT)	Volume of OBR (MCum)
1	2.00	3.67
2	3.00	5.51
3	3.00	5.51
4	4.50	8.27

5	4.50	8.27
6	3.00	5.51
7	1.50	2.76
8	0.50	0.92
Total	22.00	40.42

PLOT DETAILS:

Plot / Survey / Khasra No of Bishrampur Village, Khalari Ranchi (Area: 123.90 Ha)

S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
1	2	367	2.43	2.43					2.43
2	23	368	0.02	0.02					0.02
3	23	369	0.2	0.2					0.2
4	23	370	0.1	0.1					0.1
5	23	371	0.97	0.97					0.97
6	23	373	0.23	0.23					0.23
7	45	374	0.06	0.06					0.06
8	41	516	103	3.59					3.59
9	44	522	1.37	1.37					1.37
10	15	523	0.28	0.28					0.28
11	12	524	1.03	1.03					1.03
12	38	525	0.9	0.9					0.9
13	17	526	1.23	1.23					1.23
14	43	527	1.74	1.74					1.74
15	15	528	0.04	0.04					0.04
16	15	530	0.67	0.67					0.67
17	42	531	0.01					0.01	0.01
18	35	532	1.74	1.74					1.74
19	38	534	0.1	0.1					0.1
20	38	535	0.1	0.1					0.1
21	38	536	0.25	0.25					0.25
22	17	537	1.03	1.03					1.03
23	2	539	0.85	0.85					0.85
24	38	540	0.25	0.25					0.25
25	38	541	0.29	0.29					0.29
26	38	542	0.59	0.59					0.59
27	38	543	0.85	0.85					0.85
28	38	544	1.91	1.91					1.91

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S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
29	38	548	0.92	0.92					0.92
30	41	549	1.04				1.04		1.04
31	15	550	0.23	0.23					0.23
32	15	551	0.34	0.34					0.34
33	17	552	0.74	0.74					0.74
34	15	554	0.56	0.56					0.56
35	15	557	0.38	0.38					0.38
36	15	558	0.67	0.67					0.67
37	15	559	0.74	0.74					0.74
38	17	560	3.01	3.01					3.01
39	15	562	1.06	1.06					1.06
40	17	563	0.34	0.34					0.34
41	17	564	0.07	0.07					0.07
42	17	565	1.7	1.7					1.7
43	17	566	1.02	1.02					1.02
44	31	567	1.15	1.15					1.15
45	15	568	1.37	1.37					1.37
46	12	569	0.67	0.67					0.67
47	31	570	0.46	0.46					0.46
48	15	571	0.63	0.63					0.63
49	15	572	0.08	0.08					0.08
50	15	573	0.41	0.41					0.41
51	15	574	0.54	0.54					0.54
52	15	575	1.18	1.18					1.18
53	15	578	0.61	0.61					0.61
54	15	579	1.31	1.31					1.31
55	15	580	0.03	0.03					0.03
56	12	581	0.08	0.08					0.08
57	42	582	0.49					0.49	0.49
58	15	583	1.18	1.18					1.18
59	15	584	0.06	0.06					0.06
60	15	585	0.33	0.33					0.33
61	13	586	0.85	0.85					0.85
62	15	587	0.44	0.44					0.44
63	29	590	0.93	0.93					0.93
64	15	591	0.33	0.33					0.33
65	31	593	0.85	0.85					0.85

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S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
66	31	594	0.06	0.06					0.06
67	12	595	0.76	0.76					0.76
68	31	596	0.87	0.87					0.87
69	15	597	1.16	1.16					1.16
70	12	599	1.1	1.1					1.1
71	42	600	0.23					0.23	0.23
72	12	601	0.64	0.64					0.64
73	12	602	0.94	0.94					0.94
74	15	604	0.98	0.98					0.98
75	12	605	0.15	0.15					0.15
76	12	606	0.43	0.43					0.43
77	12	607	1.21	1.21					1.21
78	12	608	0.04	0.04					0.04
79	42	609	0.04					0.04	0.04
80	15	610	0.08	0.08					0.08
81	15	611	0.52	0.52					0.52
82	31	612	0.94	0.94					0.94
83	31	613	0.48	0.48					0.48
84	23	372(P)	0.8	0.43					0.43
85	35	375(P)	0.32	0.21					0.21
86	17	376(P)	0.09	0.07					0.07
87	15	520(P)	0.63	0.06					0.06
88	15	521(P)	0.88	0.5					0.5
89	28	377	0.52	0.52					0.52
90	7	378	0.73	0.73					0.73
91	31	379	0.34	0.34					0.34
92	22	380	0.34	0.34					0.34
93	4	381	0.32	0.32					0.32
94	36	382	0.7	0.7					0.7
95	27	383	0.38	0.38					0.38
96	38	384	0.1	0.1					0.1
97	38	385	0.92	0.92					0.92
98	24	386	0.1	0.1					0.1
99	12	387	0.17	0.17					0.17
100	12	388	0.95	0.95					0.95
101	36	389	0.49	0.49					0.49
102	21	390	0.26	0.26					0.26

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S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
103	24	391	0.46	0.46					0.46
104	21	392	2.51	2.51					2.51
105	24	393	0.63	0.63					0.63
106	21	394	0.42	0.42					0.42
107	21	395	0.03	0.03					0.03
108	36	396	0.41	0.41					0.41
109	21	397	0.05	0.05					0.05
110	36	398	0.96	0.96					0.96
111	41	399	47.42		25.1	22.32			47.42
112	36	400	0.92	0.92					0.92
113	36	403	1.31	1.31					1.31
114	42	404	0.06	0.06					0.06
115	36	405	0.41	0.41					0.41
116	24	406	1.11	1.11					1.11
117	38	407	2.21	2.21					2.21
118	41	408	1.31			1.31			1.31
119	24	409	1.23	1.23					1.23
120	36	410	1.05	1.05					1.05
121	36	411	0.4	0.4					0.4
122	36	412	1.14	1.14					1.14
123	6	413	0.03	0.03					0.03
124	38	414	0.03	0.03					0.03
125	38	415	0.1	0.1					0.1
126	38	416	1.09	1.09					1.09
127	38	417	2.29	2.29					2.29
128	36	418	0.64	0.64					0.64
129	36	419	0.92	0.92					0.92
130	11	420	0.25	0.25					0.25
131	36	421	0.23	0.23					0.23
132	7	422	0.16	0.16					0.16
133	7	423	1.64	1.64					1.64
134	7	424	0.19	0.19					0.19
135	46	425	0.45	0.45					0.45
136	26	426	0.31	0.31					0.31
137	26	427	1.03	1.03					1.03
138	21	428	1	1					1
139	42	429	0.56	0.56					0.56

S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
140	36	430	0.08	0.08					0.08
141	36	431	1.57	1.57					1.57
142	8	432	0.74	0.74					0.74
143	36	433	0.86	0.86					0.86
144	36	434	0.07	0.07					0.07
145	41	435	0.08			0.08			0.08
146	11	436	0.37	0.37					0.37
147	11	437	0.68	0.68					0.68
148	36	438	0.64	0.64					0.64
149	36	439	0.16	0.16					0.16
150	31	440	0.25	0.25					0.25
151	31	441	0.97	0.97					0.97
152	31	442	0.7	0.7					0.7
153	41	443	0.08			0.08			0.08
154	38	444	0.69	0.69					0.69
155	24	445	1.67	1.67					1.67
156	36	446	0.46	0.46					0.46
157	21	447	0.53	0.53					0.53
158	38	448	1.44	1.44					1.44
159	23	449	0.85	0.85					0.85
160	4	450	0.71	0.71					0.71
161	4	451	0.08	0.08					0.08
162	22	452	0.78	0.78					0.78
163	21	453	0.68	0.68					0.68
164	2	454	0.92	0.92					0.92
165	1	455	1.9	1.9					1.9
166	1	456	0.84	0.84					0.84
167	33	457	0.47	0.47					0.47
168	33	458	0.61	0.61					0.61
169	33	459	0.11	0.11					0.11
170	11	460	0.35	0.35					0.35
171	27	461	1.16	1.16					1.16
172	24	462	1.03	1.03					1.03
173	34	463	1.15	1.15					1.15
174	11	464	0.21	0.21					0.21
175	31	465	0.65	0.65					0.65
176	31	466	0.1	0.1					0.1

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S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
177	31	467	0.48	0.48					0.48
178	31	468	0.72	0.72					0.72
179	31	469	0.12	0.12					0.12
180	6	470	2.31	2.31					2.31
181	6	471	4.16	4.16					4.16
182	5	472	0.75	0.75					0.75
183	5	473	0.25	0.25					0.25
184	5	493	0.27	0.27					0.27
185	5	494	0.85	0.85					0.85
186	5	495	0.24	0.24					0.24
187	5	498	1.1	1.1					1.1
188	37	517	0.07	0.07					0.07
189	36	518	0.98	0.98					0.98
190	33	519	0.19	0.19					0.19
191	41	553	10.8		7.36	3.44			10.8
192	15	576	0.14	0.14					0.14
193	41	577	2.15			2.15			2.15
194	41	366(P)	87		3.65				3.65
195	23	372(P)	0.28	0.28					0.28
196	35	375(P)	1.3	1.3					1.3
197	17	376(P)	0.29	0.29					0.29
198	36	402(P)	3.6	3.6					3.6
199	5	474(P)	1.05	1.05					1.05
200	5	492(P)	0.04	0.04					0.04
201	5	496(P)	0.05	0.05					0.05
202	41	516(P)	53.12	0	33.67	19.45			53.12
203	15	520(P)	0.63	0.63					0.63
204	15	521(P)	0.55	0.55					0.55
205	41	366(P)	7.83		7.83				7.83
206	1	399(P)	41.83		40.74				40.74
Area in Acre				137.17	118.35	48.83	1.04	0.77	306.16
Area in Ha				55.51	47.90	19.76	0.42	0.31	123.90

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Area of project in Karketta Village, Khalari Ranchi (Area: 95.90 Ha)

S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
1	26	158	33.5		27.17	0			27.17
2	26	161	42		28.13	13.87			42
3	26	184	100.75		70	30.75			100.75
4	26	204	97		0	5			5
5	26	347	72.5		13.35	6.24			19.59
6	1	213	0.14	0.14					0.14
7	1	214	0.17	0.17					0.17
8	3	175	0.93	0.93					0.93
9	3	177	0.63	0.63					0.63
10	3	178	0.35	0.35					0.35
11	3	180	0.76	0.76					0.76
12	3	181	0.38	0.38					0.38
13	2	205	0.24	0.24					0.24
14	2	206	0.06	0.06					0.06
15	2	207	0.17	0.17					0.17
16	2	208	0.18	0.18					0.18
17	2	209	0.21	0.21					0.21
18	2	210	0.1	0.1					0.1
19	2	212	0.09	0.09					0.09
20	4	162	0.65	0.65					0.65
21	4	163	0.16	0.16					0.16
22	4	164	1.18	1.18					1.18
23	4	165	0.11	0.11					0.11
24	4	166	0.4	0.4					0.4
25	4	167	0.33	0.33					0.33
26	4	183	0.22	0.22					0.22
27	4	168	1.03	1.03					1.03
28	4	169	0.38	0.38					0.38
29	4	170	0.96	0.96					0.96
30	4	171	0.62	0.62					0.62
31	4	174	0.32	0.32					0.32
32	4	176	0.72	0.72					0.72
33	4	179	0.62	0.62					0.62
34	4	182	0.13	0.13					0.13
35	6	196	0.85	0.85					0.85
36	7	173	1.14	1.14					1.14

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S.No	Khata No	Plot No	Total Area (in acres)	Area Acquired (in acres) under KDH Expansion OCP					
				Tenancy	Forest	GMJJ	GMK	GMA	Total
37	7	224	0.05	0.05					0.05
38	7	197	0.62	0.62					0.62
39	8	172	0.6	0.6					0.6
40	9	343	2.15	2.15					2.15
41	26	204/2	97	1.52					1.52
42	26	204/3	97	5.26					5.26
43	26	204/4	97	0.12					0.12
44	17	211	0.29	0.29					0.29
45	17	216	0.62	0.62					0.62
46	17	219	0.03	0.03					0.03
47	17	220	0.75	0.67					0.67
48	17	222	0.51	0.34					0.34
49	17	223	0.05	0.05					0.05
50	17	225	0.76	0.76					0.76
51	17	283	0.8	0.8					0.8
52	17	284	0.7	0.51					0.51
53	17	285	0.44	0.26					0.26
54	17	286	0.87	0.1					0.1
55	14	215/1	0.7	0.45					0.45
56	14	215/2	0.7	0.25					0.25
57	26	184/4	100.75	1.69					1.69
58	26	184/5	100.75	0.36					0.36
59	26	204/5	97	1.78					1.78
60	26	204/6	97	0.18					0.18
61	26	204/7	97	1.9					1.9
62	26	184/7	100.75	0.67					0.67
63	26	184/9	100.75	1.56					1.56
64	32	217	0.54	0.54					0.54
65	26	184/6	100.75					1.16	1.16
66	26	184/8	100.75					2.06	2.06
67	26	347	72.5					0.88	0.88
Area in Acre				38.36	138.65	55.86	0	4.1	236.97
Area in Ha				15.52	56.11	22.61	0.00	1.66	95.90

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Acquisition Details:

Acquisition No.	Tenancy	Forest	GMJJ	GMK	GMA	Total
L.A. Case No. 7RV/87-88	24.17	0.00	0.00	0.42	0.31	24.90
SO No.3907(E) dated 30-12-2013	31.34	84.35	42.37	0.00	0.00	158.06
L.A Act 3RV/85-86	15.52	0.00	0.00	0.00	1.66	17.18
Nationalization	0.00	19.66	0.00	0.00	0.00	19.66
TOTAL	71.03	104.01	42.37	0.42	1.97	219.80

Pre-Mining Land Use:

Land Type	Sub Type	Area in Ha
Tenancy	Agriculture	71.03
	Township/settlement	0.00
	Road	0.00
Govt Non-Forest	Agriculture	1.97
	Township/settlement	0.00
	Barren	0.42
	Water Bodies	0.00
	Road	0.00
	Community/Other Use	0.00
Forest	Protected / Notified	104.01
	GMJJ / Revenue Forest	42.37
Total (in Ha)		219.80

Land Use During Mining:

Land Use	Area in Ha
Quarry Area	86.89
Top Soil dump	3.26
External Dump	84.83
Road & Infra	19.78
Plantation	19.64
Green Belt & Safety Zone	5.40
Total	219.80

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Land Use Post Mining:

Land Use	During Mining Land Use	Post Mining Land Use		
	Area in Ha	Plantation	Company Use/Public Use/Grassing & Bamboo Plantation	Total in ha
Quarry Area	86.89	-	86.89	86.89
Top Soil dump	3.26	-	3.26	3.26
External Dump	84.83	-	84.83	84.83
Road & Infra	19.78	-	19.78	19.78
Plantation	19.64	19.64	-	19.64
Green Belt & Safety Zone	5.40	5.40	-	5.40
Total	219.80	25.04	194.76	219.80

Expenditure made (till date) for Pollution Control at KDH OCP:

Category	Total Amount in Lakh (₹)
Water & Effluent Treatment	485.47
Dust Suppression & Air Monitoring	2419.37
Garland Drain, Toe wall Etc	24.01
Wildlife Management Plan	3936.72

CSR Expenditure of North Karanpura Area:

A detailed yearly CSR plan is prepared for and in consultation with the local communities by CCL management. CSR scheme has been implemented. An amount of Rs 188.3 lakh has been spent on different CSR activities by NK Area for the year 2024-25

Year	Total Expenditure (In lakhs)
2017-18	51.0
2018-19	58.5
2019-20	30.6
2020-21	49.4
2021-22	68.4
2022-23	147.8
2023-24	42.27
2024-25	188.3

Year-wise Plantation undertaken at KDH OCP:

Plantation activities have been carried out over an area of 172.05 Ha (OB dump), 11.30 Ha (plain land), and 6.60 km (avenue plantation), with a total of 4,66,960 saplings planted. The balance area of existing KDH OCP 444.50 Ha (489.30 Ha – 44.80 Ha) will be reclaimed as per the Final Mine Closure Plan of the project which is under preparation.

Progressive and Final Mine Closure Plan:

The total amount to be deposited into Escrow is estimated at Rs. 37.1375 Crore. A Community Development & Livelihood Plan and Repurposing and Sustenance Plan, as a part of Mine Closure Plan has been prepared in accordance with the para 3.5.5 (ii) of Mining Plan Guidelines-25 issued by Ministry of Coal dated 31.01.2025 and office memorandum dated 07.04.2025 respectively. The total fund allocated for Community Development & Livelihood Plan is Rs. 10.016 Crore, that is more than 25% of total mine closure cost.

Proposed Community Engagement and Livelihood Plan:

<u>S. N.</u>	<u>Head</u>	<u>Amount in Rs. Lakhs</u>
1	Skill Development and Trainings (Alternative Source of livelihood)	83.13
2	Agriculture and other Allied Activities	56.75
3	Eco-Tourism Development	28.38
4	Flora and fauna Conservation/Wildlife conservation	56.75
5	Water Resource Management/Conservation	85.13
6	Clean Energy Projects	141.88
7	Art and Culture	28.38
8	Women Empowerment	85.13
9	Welfare of aged and disabled people	85.13
10	Sustainable Living	141.88
11	Sanitation	119.18
12	Any other activity	87.35
Total		1001.16

STATUTORY CLEARANCES :

1	Land docs	:	Land has been acquired under Nationalisation, LA and CB Act.
2	CO	:	The CO, Khalari (Ranchi) vide letter no. 28, dated 27.01.2026 has mentioned that the plots number of proposed project site are recorded as "Jungle- Jhari" in R.S. Khatiyani & Register and also mentioned that the Habitation, River, Educational institutes, hospitals are situated within 500 meter of the project. The entire

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			42.37 Ha of GM JJ land is covered under proposal no. 8/62/2018-FC, for which Stage-I Forest Clearance has been granted.
3	DFO Wild Life	:	DFO, Wildlife Division, Ranchi vide letter no. 206, dated 18.03.2026 certified that the said project is outside Eco Sensitive Zone of Palkot Wildlife Sanctuary.
4	DFO Territorial	:	DFO, Ranchi Forest Division vide letter no. 647, dated 21.02.2026 certified that the distance of forest land is 0 (Zeor) meters. Out of the total Notified Forest area, 19.66 Ha falls under FC proposal no. 8-79/1990-FC (Vol-I) for which Stage-II Forest Clearance has already been granted. The remaining 84.35 Ha is covered under proposal no. 8/62/2018-FC, for which Stage-I Forest Clearance has been issued.
5	Mine plan approval	:	Mine plan approved by Company Secretary, CCL vide Ref. no. C.S/B.M. / 552/2025/347, dated 06.11.2025.
6	CGWA	:	NOC from CGWA has been obtained for groundwater withdrawal of 4137 KLD vide approval dated 05.01.2024, valid up to 04.01.2026. The renewal application is currently under consideration with CGWA.
7	Forest Clearance	:	i. Stage I granted by MoEF&CC, Govt. of India vide letter no. 8/62/2018-FC, dated 27.02.2023 for the area 126.72 Ha. ii. Stage II granted by MoEF&CC, Govt. of India vide F. no. 8-79/1990-FC (Vol.I), dated 26.10.2009 for the area 28.95 Ha.
	Previous EC	:	Environmental Clearance (EC) for the project has been granted for a capacity of 4.5 MTPA (normative) and 5.0 MTPA (peak) over an area of 489.30 Ha vide letter No. J-11015/311/2010-IA-II(M) dated 30.01.2015, which is valid up to 30.01.2030.
	Baseline Study	:	Baseline Environmental Monitoring was carried out by the Environmental Laboratory of CMPDIL, HQ, Ranchi, during the period from 15 December 2023 to 15 March 2024.

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SEAC, Jharkhand has suggested the ToRs in its 131st meeting held on 24th, 25th, 26th, 27th and 28th April, 2026 for undertaking detailed EIA / EMP study and SEIAA, Jharkhand has approved the ToRs in its 131st meeting held on 02nd & 03rd June, 2026. The SEAC has recommended following project specific conditions:-

The TORs prescribed for undertaking detailed EIA study are as follows:

1. In compliance of OM no. F.No. IA3-22/3/2024-IA.III (E-241594) dated 24.07.2024 of MoEF&CC, Govt. of India plantation of saplings shall be carried out in the earmarked green belt area as the part of tree plantation campaign “*Ek Ped Ma Ke Naam*” and the details of the same shall be uploaded in the MeriLiFE Portal (<https://merilife.nic.in>). 10% of the total green belt proposed shall be allocated under this clause.
2. Additional one month baseline study has to be carried out.
3. Analysis of composite samples of soil is to be done.
4. Drone imagery with Geo-coordinate is to be provided alongwith final EIA / EMP report.
5. The EIA Report shall be prepared MTPA rated capacity in an ML / project area of ha based on the generic structure specified in Appendix III of the EIA Notification, 2006.
6. An EIA-EMP Report would be prepared for MTPA rated capacity to cover the impacts and management plan for the project specific activities on the environment of the region, and the environmental quality encompassing air, water, land, biotic community, etc. through collection of data and information, generation of data on impacts including prediction modeling for MTPA of coal production based on approved project/Mining Plan for MTPA. Baseline data collection can be for any season except monsoon.
7. A map specifying locations of the State, District and Project location should be provided.
8. A Study area map of the core zone and 10 km area of the buffer zone (1: 50,000 scale) clearly delineating the major topographical features such as the land use, surface drainage pattern including rivers/streams/nullahs/canals, locations of human habitations, major constructions including railways, roads, pipelines, major industries/mines and other polluting sources. In case of ecologically sensitive areas such as Biosphere Reserves/National Parks/WL Sanctuaries/ Elephant Reserves, forests (Reserved/Protected), migratory corridors of fauna, and areas where endangered fauna and plants of medicinal and economic importance found in the 15 km study area should be given.
9. Land use map (1: 50,000 scale) based on a recent satellite imagery of the study area may also be provided with explanatory note on the land use.

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10. Map showing the core zone delineating the agricultural land (irrigated and un-irrigated, uncultivable land as defined in the revenue records, forest areas (as per records), along with other physical features such as water bodies, etc should be furnished.
11. A contour map showing the area drainage of the core zone and 25 km of the study area (where the water courses of the core zone ultimately join the major rivers/streams outside the lease/project area) should also be clearly indicated in the separate map.
12. A detailed Site plan of the mine showing the proposed break-up of the land for mining operations such as the quarry area, OB dumps, green belt, safety zone, buildings, infrastructure, CHP, ETP, Stockyard, township/colony (within and adjacent to the ML), undisturbed area -if any, and landscape features such as existing roads, drains/natural water bodies to be left undisturbed along with any natural drainage adjoining the lease /project areas, and modification thereof in terms of construction of embankments/bunds, proposed diversion/re-channelling of the water courses, etc., approach roads, major haul roads, etc should be indicated.
13. In case of any proposed diversion of nallah/canal/river, the proposed route of diversion /modification of drainage and their realignment, construction of embankment etc. should also be shown on the map as per the approval of Irrigation and Flood Control Department of the concerned state.
14. Similarly if the project involves diversion of any road/railway line passing through the ML/project area, the proposed route of diversion and its realignment should be shown in the map.
15. Break up of lease/project area as per different land uses and their stage of acquisition should be provided.

Land use details for opencast project should be given as per the following table :

S. N.	Land use	Within ML area	Outside ML area	Total
1.	Agricultural land			
2.	Forest land			
3.	Wasteland			
4.	Grazing land			
5.	Surface water bodies			
6.	Settlements			
7.	Others (specify)			

16. Break-up of lease/project area as per mining operations should be provided.
17. Impact of changes in the land use due to the project, if much of the land being acquired is predominantly agricultural land/forestland/grazing land.
18. One-season (non-monsoon) primary baseline data on environmental quality - air (PM10, PM2.5, SOx, NOx and heavy metals such as Hg, Pb, Cr, As, etc), noise, water (surface and groundwater), soil - along with one-season met data coinciding with the same season for AAQ collection period should be provided.

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19. Map of the study area (1: 50, 000 scale) (core and buffer zone clearly delineating the location of various sampling stations superimposed with location of habitats, other industries/mines, polluting sources should be provided. The number and location of the stations in both core and buffer zones should be selected on the basis of size of lease/project area, the proposed impacts in the downwind (air)/downstream (surface water)/groundwater regime (based on flow). One station should be in the upwind/upstream/non-impact/non-polluting area as a control station. The monitoring should be as per CPCB guidelines and parameters for water testing for both ground water and surface water as per ISI standards and CPCB classification wherever applicable. Values should be provided based on desirable limits.
20. Study on the existing flora and fauna in the study area (10km) should be carried out by an institution of relevant discipline. The list of flora and fauna duly authenticated separately for the core and study area and a statement clearly specifying whether the study area forms a part of the migratory corridor of any endangered fauna should be given. If the study area has endangered flora fauna and, or if the area is occasionally visited or used as a habitat by Schedule-I fauna, or if the project falls within 15 km of an ecologically sensitive area, or used as a migratory corridor then a Comprehensive Conservation Plan should be prepared and submitted with EIA-EMP Report; and comments from the CWLW of the State Govt. should also be obtained and furnished.
21. Details of mineral reserves, geological status of the study area and the seams to be worked, ultimate working depth and progressive stage-wise working scheme until the end of mine life should be provided on the basis of the approved rated capacity and calendar plans of production from the approved Mining Plan. Geological maps and sections should be included.
22. Details of mining methods, technology, equipment to be used, etc., rationale for selection of specified technology and equipment proposed to be used vis-à-vis the potential impacts should be provided.
23. Impact of mining on hydrology, modification of natural drainage, diversion and channeling of the existing rivers/water courses flowing through the ML and adjoining the lease/project and the impact on the existing users and impacts of mining operations thereon.
24. Detailed water balance along with flow chart should be provided. The break-up of water requirement for the various mine operations should be given separately.
25. Source of water for use in mine, sanction of the competent authority in the State Govt. and impacts vis-à-vis the competing users should be given.

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26. Impact of mining and water abstraction use in mine on the hydrogeology and groundwater regime within the core zone and 10 km buffer zone including long-term monitoring measures should be provided. Details of rainwater harvesting and measures for recharge of groundwater should be reflected in case there is a declining trend of groundwater availability and/or if the area falls within dark/grey zone.
27. Impact of blasting, noise and vibrations should be given.
28. Impacts of mining on the AAQ and predictions based on modeling using the ISCST-3 (Revised) or latest model should be provided.
29. Impacts of mineral transportation within the mining area and outside the lease/project along with flow-chart indicating the specific areas generating fugitive emissions should be provided. Impacts of transportation, handling, transfer of mineral and waste on air quality, generation of effluents from workshop, management plan for maintenance of HEMM, machinery, equipment should be given. Details of various facilities such as rest areas and canteen for workers and effluents/pollution load emanating from these activities should also be provided.
30. Effort be made to reduce/eliminate road transport of coal inside and outside mine and for mechanized loading of coal through CHP / Silo entirely wagons and into trucks / tippers.
31. Details of waste OB and topsoil generated as per the approved calendar programme, and their management shown in figures as well explanatory notes tables giving progressive development and mine closure plan, green belt development, backfilling programme and conceptual post mining land use should be given. OB dump heights and terracing based on slope stability studies with a max of 28o angle as the ultimate slope should be given. Sections of final dumps (both longitudinal and cross section) with relation to the adjacent area should be shown.
32. Efforts be made for maximizing progressive internal dumping of O.B., sequential mining , external dump on coal bearing area and later rehandling into the mine void.--to reduce land degradation.
33. Impact of change in land use from mining operations and whether the land can be restored to agriculture use post mining.
34. Progressive Green belt and Ecological restoration /afforestation plan (both in text, figures and in the tabular form as per the format of MOEF&CC given below) and selection of species (native) based on original survey/land use should be given.
35. Conceptual Final Mine Closure Plan and post mining land use and restoration of land/habitat to the status of pre- mining should be provided. A Plan for the ecological restoration of the mined out area and post mining land use should be prepared with detailed cost provisions. Impact and management of wastes and issues of rehandling (wherever applicable) and backfilling and progressive mine closure and reclamation should be detailed.

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Table 3 : Post-Mining land use pattern of ML / Project area (ha)

Land use during mining	Land use (ha)				
External OB dump	Plantation	Water body	Public use	Undisturbed	Total
Top soil dump					
Excavation					
Roads					
Built up area					
Green belt					
Undisturbed area					
	Total				

36. Flow chart of water balance should be provided. Treatment of effluents from workshop, township, domestic wastewater, mine water discharge, etc. should be provided. Details of STP in colony and ETP in mine should be given. Recycling of water to the max. possible extent should be accorded ?.
37. Occupational health issues. Baseline data on the health of the population in the impact zone and measures for occupational health and safety of the personnel and manpower in the mine should be given.
38. Risk Assessment and Disaster Preparedness and Management Plan should be provided.
39. Integration of the Environmental Management Plan with measures for minimizing use of natural resources - water, land, energy, etc. should be carried out.
40. Cost of EMP (capital and recurring) should be included in the project cost and for progressive and final mine closure plan.
41. Details of R&R. Detailed project specific R&R Plan with data on the existing socio-economic status of the population (including tribals, SC/ST, BPL families) found in the study area and broad plan for resettlement of the displaced population, site for the resettlement colony, alternate livelihood concerns/employment for the displaced people, civic and housing amenities being offered, etc and costs along with the schedule of the implementation of the R&R Plan should be given.
42. CSR Plan along with details of villages and specific budgetary provisions (capital and recurring) for specific activities over the life of the project should be given.
43. Corporate Environment Responsibility:
 - a) The Company must have a well laid down Environment Policy approved by the Board of Directors.
 - b) The Environment Policy must prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions.

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- c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions must be furnished.
- d) To have proper checks and balances, the company should have a well laid down system of reporting of non-compliances/violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.
44. Details on Public Hearing should cover the information relating to notices issued in the newspaper, proceedings/minutes of public hearing, the points raised by the general public and commitments made by the proponent and the action proposed with budgets in suitable time frame. These details should be presented in a tabular form. If the Public Hearing is in the regional language, an authenticated English Translation of the same should be provided.
45. In built mechanism of self-monitoring of compliance of environmental regulations should be indicated.
46. Status of any litigations/ court cases filed/pending on the project should be provided.
47. Submission of sample test analysis of Characteristics of coal: This should include details on grade of coal and other characteristics such as ash content, S and heavy metals including levels of Hg, As, Pb, Cr etc.
48. Copy of clearances/approvals such as Forestry clearances, Mining Plan Approval, mine closer plan approval. NOC from Flood and Irrigation Dept. (if req.), etc. wherever applicable.

Details on the Forest Clearance should be given as per the format given :

Total ML / Project area (ha)	Total forest land (ha)	Date of FC	Extent of forest land	Balance area for which FC is yet to be obtained	Status of application for diversion of forest land

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49. Besides the above, the below mentioned general points should also be followed:-

- a) A note confirming compliance of the TOR, with cross referencing of the relevant sections / pages of the EIA report should be provided.
- b) All documents may be properly referenced with index and continuous page numbering.
- c) Where data are presented in the report especially in tables, the period in which the data were collected and the sources should be indicated.
- d) Where the documents provided are in a language other than English, an English translation should be provided.
- e) The Questionnaire for environmental appraisal of mining projects as prescribed by the Ministry shall also be filled and submitted.
- f) Approved mine plan along with copy of the approval letter for the proposed capacity should also be submitted.
- g) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013 /41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.
- h) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the F.R for securing the TOR) should be brought to the attention of SEIAA, Jharkhand with reasons for such changes and permission should be sought, as the TOR may also have to be altered.

The EIA report should also include

- 1. Surface plan of the area indicating Contours of main topographic features, drainage and mining area.
- 2. Geological maps and sections and
- 3. Sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

50. After preparing the draft EIA (as per the generic structure prescribed in Appendix- III of the EIA Notification, 2006) covering the above mentioned issues, the proponent will get the public hearing conducted and take further necessary action for obtaining environmental clearance in accordance with the procedure prescribed under the EIA Notification, 2006.







51. The Prescribed ToRs is valid as per O.M. F. No. IA3-22/10/2022-IA.III[E177258], dated 08.06.2022 of MoEF & CC, Govt. of India.

Sd/-
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No : EC/SEIAA/2026-27/4084/2026/ 55

Ranchi, Date : 08-06-2026

Copy to:

1. Member Secretary, Jharkhand State Pollution Control Board, Ranchi for information and necessary action.
2. Regional Office, Ministry of Environment, Forest and Climate Change, Govt. of India, 2nd Floor, Jharkhand State Housing Board (HQ), Harmu Chowk, Ranchi, Jharkhand – 834002.
3. Member Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

