



सत्यमेव जयते

File No.: EC/SEIAA/2024-25/3124/2024
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), JHARKHAND)



Dated 27/01/2026



To,
Gandhey Santhosh
CENTRAL COALFIELDS LIMITED
Office of Project Officer Sawang Washery Kathara Area, Central Coalfields Limited PO-Sawang ,
Sawang, BOKARO, JHARKHAND, 829112
newsawangwashery@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed Mining Project under the provisions of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/JH/CMIN/555751/2025 dated 23/10/2025 for grant of prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25B0801JH5476243N
(ii) File No.	EC/SEIAA/2024-25/3124/2024
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	2(a) Coal washeries
(vii) Name of Project	New Sawang Coking Coal Washery
(viii) Location of Project (District, State)	BOKARO, JHARKHAND
(ix) Issuing Authority	SEIAA
(x) Applicability of General Conditions	No

Plot/Survey Khasra Nos.: 1446 1453 1454 1455 1456 1457 1458 1459 1460 1481 1483 1484 1487 1488 1489 1490 1491 1494 1495 1496 1497 1498 1505 1506 1507 1508 1509 1510 1511 1512 1513 1514 1515 1516 1541 1569 1575 1601 1602 1603 1604 1617 1618 1619 1620 1621 1622 1623 1625 1627 1628 1629 1630 1631 1632 1633 1636 1637 1638 1639 1640 1642 1643 1644 1645 1646 1647 1648 1649 1650 1651 1652 1653 1654 1656 1657 1658 1660 1661 1662 1663 1669 1677 1682 1684 1685 1686 1687 1688 1689 1690 1692 1699 1700 1701 1702 1127 (P) 1403 (P) 1404 (P) 1448 (P) 1449 (P) 1452 (P) 1492 (P) 1493 (P) 1500 (P) 1517 (P) 1539 (P) 1540 (P) 1547 (P) 1564 (P) 1566 (P) 1568 (P) 1570 (P) 1572 (P) 1574 (P) 1578 (P) 1580 (P) 1581 (P) 1582 (P) 1583 (P) 1584 (P) 1594 (P) 1595 (P) 1596 (P) 1597 (P) 1598 (P) 1605 (P) 1608 (P) 1613 (P) 1616 (P) 1626 (P) 1664 (P) 1676 (P) 1678 (P) 1681 (P) 1691 (P) 1695 (P) 1696 (P) 1704

(P)

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-2(Part A, B and C)/ EIA & EMP Reports were submitted to the SEIAA for an appraisal by the SEIAA under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by SEIAA in the meeting held on 08/01/2026. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above. Brief description of the project is as under: To provide coking coal to steel sector and reduction of import of coking coal
5. Details of the minerals to be mined along with production capacity and the brief on the salient features of the project as submitted by the project proponent in Form 1 (Part A and B) in the reports and as presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on 08/01/2026, based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of Specific and Standard EC conditions as detailed in the point below.
7. The SEIAA has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the SEIAA hereby accords Environment Clearance for the instant proposal to M/s. Gandhey Santhosh under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (2)
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance 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. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
11. Validity of EC is upto 23/10/2025 from which the prior environmental clearance is granted by the regulatory authority.
12. General Instructions:
 1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of SEIAA website where it is displayed.
 2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
 3. The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.
 4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six

monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.

5. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
6. The Regional Office of this SEIA shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
7. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. This issue with an approval of the Competent Authority.

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Annexure 1

Standard EC Conditions for (Coal washeries)

1. Statutory Compliance

S. No	EC Conditions
1.1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area).
1.4	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
1.5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority
1.6	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.
1.7	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
1.8	Coal beneficiation practices shall be carried out under strict adherence to provisions of the Factories Act, 1957 and subordinate legislations made there under.

S. No	EC Conditions
1.9	Solid/hazardous waste generated in the mines needs to be addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.

2. Air Quality Monitoring And Mitigation Measure

S. No	EC Conditions
2.1	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO ₂ and NO _x . Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.

Additional EC Conditions

N/A

Annexure 2

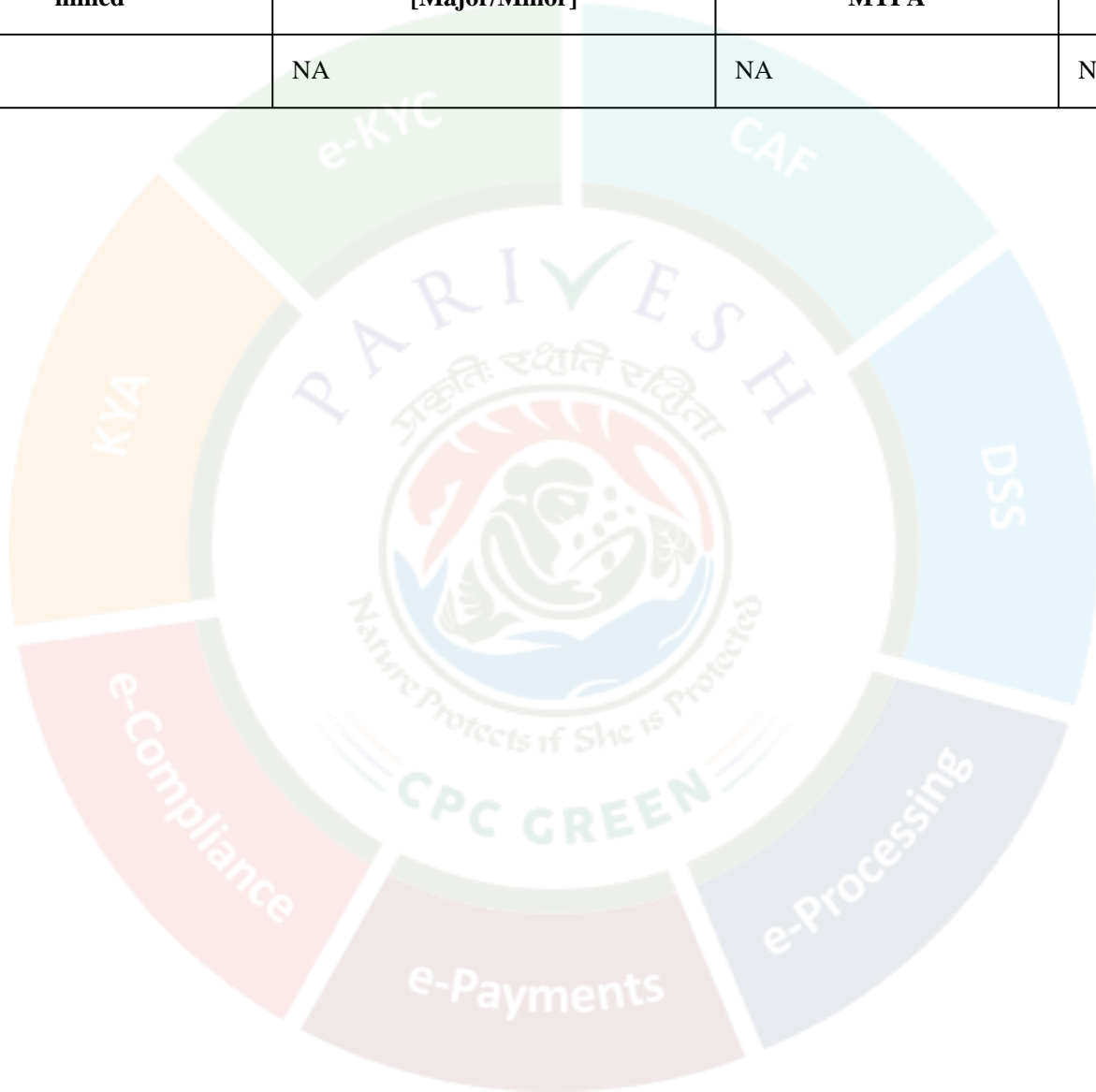
Details of the Project

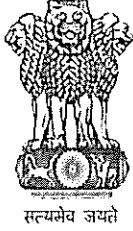
S. No.	Particulars	Details	
a.	Details of the Project	New Sawang Coking Coal Washery	
b.	Latitude and Longitude of the project site	23.79515549829682,85.84725569411214 23.7965100053978,85.8490660695043	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	
		Area in Ha	
		Non-Forest Land (A)	0
		Forest Land (B)	
	Total Land (A+B)	7.82	
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	33800	
g.	EMP Cost (in lacs)	2615	

S. No.	Particulars	Details
h.	Employment Details	

Details of Minerals Products & By-products

Name of the Mineral to be mined	Classification of mineral [Major/Minor]	Production capacity in MTPA	Remarks
NA	NA	NA	NA





State Level Environment Impact Assessment Authority, Jharkhand

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

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

Letter No. : EC/SEIAA/2022-23/3124/2023/

Ranchi, Date :

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

Sub. : Environmental Clearance for the project "New Sawang Coking Coal Washery (1.5 MTPA) of M/s Central Coalfields Limited (CCL) at Village : Sawang, Block : Gumia, District : Bokaro, Jharkhand (7.82 Ha). (Proposal No : SIA/JH/CMIN/ 555751/2025) – regarding.

Ref. : Your application no. : SGW/PO/Env./2025-26/1546, dated : 10.12.2025.

It is in reference to the project "New Sawang Coking Coal Washery (1.5 MTPA) of M/s Central Coalfields Limited (CCL) at Village : Sawang, Block : Gumia, District : Bokaro, Jharkhand (7.82 Ha)" submitted by you for seeking prior Environmental Clearances (EC).

This is a new project which has been taken for appraisal on 19.12.2025.

Project Sector: 2(a) Coal washeries, Category: B1.

Application for Environmental Clearance (EC) after ToR of New Sawang Coking Coal Washery with ROM Coal Feed of 1.5 MTY .

The State Expert Appraisal Committee, Jharkhand deliberated the project during its 112th meeting held on 16.05.2024 – 19.05.2024 and SEIAA, Jharkhand has approved the ToRs in 112th meeting held on 23rd & 24th May, 2024. TOR for the project was issued by SEIAA, Jharkhand vide letter no. EC/SEIAA/2024-25/3124/2024/89, dated 28.05.2024. The final EIA / EMP submitted by PP to SEAC on 10.12.2025.

Project & Location Details:

Sl	Parameter	Details
1	Project Name	: New Sawang Coking Coal Washery

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SI	Parameter	Details	
2	Project Proponent	: Shri V Mohan Babu, Project Officer, Sawang Washery	
3	Address	: Village: Sawang, Block: Gumia, Distt. : Bokaro, Jharkhand	
4	Area	: Ha: 7.82 ha	Acres: 19.32 Acres
5	Type of Land	: Non-Forest Land: 7.82 Ha	
6	Project Cost	: 338Crore	
7	New or Expansion	: New	
8	Raw Coal Linkage	: Pipradih-Sawang, Jarangdih, Godo	
9	Product Linkage	: Steel Plants of SAIL & RNIL (Washed Coal) Thermal Power Plants of NTPC, DVC, BTPS (Washed Power Coal & 3 rd Product)	
10	Project Life	: 21 years including construction period being 3 years	
11	Man power	: 150	
12	Water Requirement	: 657 m ³ /day (make up water)	
13	Water Source	: Mine seepage & rain water stored in mine sump of Pipradih OCP	
14	DG Set / power	: 5.0 MVA for operation & maintenance of the proposed washery will be provided through Sawang colliery sub-station (voltage-11kV) at a distance of 200 m (approx.) from the proposed washery site.	
15	Crusher	: Yes (within washery building)	
16	Nearest Water Body	: Konar River (0.5 KM)	
17	Nearest Habitation	: Gomia (4 KM)	
18	Nearest Rail Station	: Gomia (4 KM)	
19	Nearest Airport	: Ranchi (110 KM)	
20	Nearest Forest	: Notified Forest (2 KM)	
21	Road & Highways	: NH320 (29 KM)	

CO-ORDINATES

1	Latitude	From 23° 47' 42.560'' N	To 23° 47' 57.396'' N
2	Longitude	From 85° 50' 50.12'' E	To 85° 51' 8.672'' E

NA

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LAND DETAILS

SN	Khata No	Plot No	Area in Ha	SN	Khata No	Plot No	Area in Ha
1	80	1446	0.016	37	19	1575	0.008
2	32	1453	0.036	38	21	1601	0.077
3	33	1454	0.024	39	16	1602	0.065
4	40	1455	0.02	40	19	1603	0.105
5	92	1456	0.008	41	17	1604	0.105
6	43	1457	0.02	42	19	1617	0.142
7	71	1458	0.186	43	16	1618	0.008
8	70	1459	0.049	44	16	1619	0.097
9	71	1460	0.004	45	16	1620	0.032
10	19	1481	0.008	46	16	1621	0.061
11	16	1483	0.008	47	16	1622	0.049
12	27	1484	0.008	48	19	1623	0.109
13	19	1487	0.02	49	16	1625	0.105
14	24	1488	0.02	50	19	1627	0.012
15	21	1489	0.008	51	19	1628	0.073
16	19	1490	0.004	52	16	1629	0.085
17	27	1491	0.024	53	92	1630	0.012
18	71	1494	0.081	54	92	1631	0.004
19	71	1495	0.024	55	16	1632	0.004
20	71	1496	0.02	56	21	1633	0.121
21	19	1497	0.004	57	16	1636	0.016
22	24	1498	0.057	58	92	1637	0.214
23	16	1505	0.024	59	71	1638	0.38
24	24	1506	0.032	60	32	1639	0.15
25	19	1507	0.008	61	32	1640	0.016
26	63	1508	0.024	62	19	1642	0.004
27	32	1509	0.04	63	19	1643	0.085
28	70	1510	0.069	64	19	1644	0.085
29	71	1511	0.057	65	21	1645	0.004
30	32	1512	0.024	66	21	1646	0.032

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SN	Khata No	Plot No	Area in Ha	SN	Khata No	Plot No	Area in Ha
31	40	1513	0.008	67	21	1647	0.231
32	40	1514	0.04	68	19	1648	0.065
33	37	1515	0.008	69	19	1649	0.028
34	63	1516	0.069	70	19	1650	0.008
35	27	1541	0.04	71	24	1651	0.065
36	24	1569	0.121	72	19	1652	0.024

SN	Khata No	Plot No	Area in Ha	SN	Khata No	Plot No	Area in Ha
73	21	1653	0.045	109	18	1547 (P)	0.028
74	27	1654	0.045	110	24	1564 (P)	0.036
75	21	1656	0.049	111	24	1566 (P)	0.004
76	27	1657	0.073	112	93	1568 (P)	0.162
77	27	1658	0.085	113	27	1570 (P)	0.02
78	24	1660	0.081	114	19	1572 (P)	0.004
79	24	1661	0.065	115	21	1574 (P)	0.008
80	24	1662	0.125	116	19	1578 (P)	0.016
81	70	1663	0.376	117	27	1580 (P)	0.02
82	40	1669	0.008	118	21	1581 (P)	0.016
83	43	1677	0.194	119	93	1582 (P)	0.085
84	37	1682	0.13	120	92	1583 (P)	0.008
85	27	1684	0.154	121	21	1584 (P)	0.004
86	16	1685	0.194	122	27	1594 (P)	0.028
87	19	1686	0.065	123	24	1595 (P)	0.02
88	16	1687	0.081	124	16	1596 (P)	0.024
89	19	1688	0.036	125	21	1597 (P)	0.024
90	16	1689	0.081	126	16	1598 (P)	0.065
91	27	1690	0.04	127	16	1605 (P)	0.02
92	24	1692	0.081	128	93	1608 (P)	0.02
93	66	1699	0.045	129	16	1613 (P)	0.032
94	80	1700	0.045	130	21	1616 (P)	0.053
95	80	1701	0.016	131	27	1626 (P)	0.166
96	19	1702	0.04	132	93	1664 (P)	0.089
97	63	1127 (P)	0.081	133	37	1676 (P)	0.061
98	69	1403 (P)	0.032	134	69	1678 (P)	0.036
99	54	1404 (P)	0.073	135	24	1681 (P)	0.032
100	80	1448 (P)	0.02	136	27	1691 (P)	0.121
101	37	1449 (P)	0.012	137	43	1695 (P)	0.016
102	66	1452 (P)	0.028	138	43	1696 (P)	0.061

103	19	1492 (P)	0.016	139	66	1704 (P)	0.004
104	24	1493 (P)	0.125	Total (in Ha)			7.82
105	27	1500 (P)	0.004				
106	30	1517 (P)	0.012				
107	66	1539 (P)	0.012				
108	70	1540 (P)	0.065				

Land Type Breakup:

SL	Pattern	Area (in Ha)
1	Non-Forest Land	7.82

Land Use:

SN	Component	Total Area in Ha
1	Main Plant & Allied infrastructure	3.68
2	Stock pile and loading bunker	0.29
3	Tailing pond	0.26
4	Green Belt (33% of 6.32 Ha)	2.09
Sub Total (a) (in Ha)		6.32
1	Site for 3 rd Product Storage including infrastructure and stockpile	0.98
2	Green Belt (34.67% of 1.50 Ha)	0.52
Sub Total (b) (in Ha)		1.50
Total (a+b)		7.82

Process Details:

The washery has been designed for a throughput capacity of 1.5 Mty of raw coal per annum. The washery will produce three products viz. clean coal for steel plants, washed coal (power) for thermal power stations and 3rd product (Tertiary Product). It has been planned to crush entire coal down to (-) 13mm. Treatment of 13-0.5mm coal in two stage HM cyclone and beneficiation of -0.5mm size fraction by froth flotation have been envisaged. The proposed balance of product is given below:

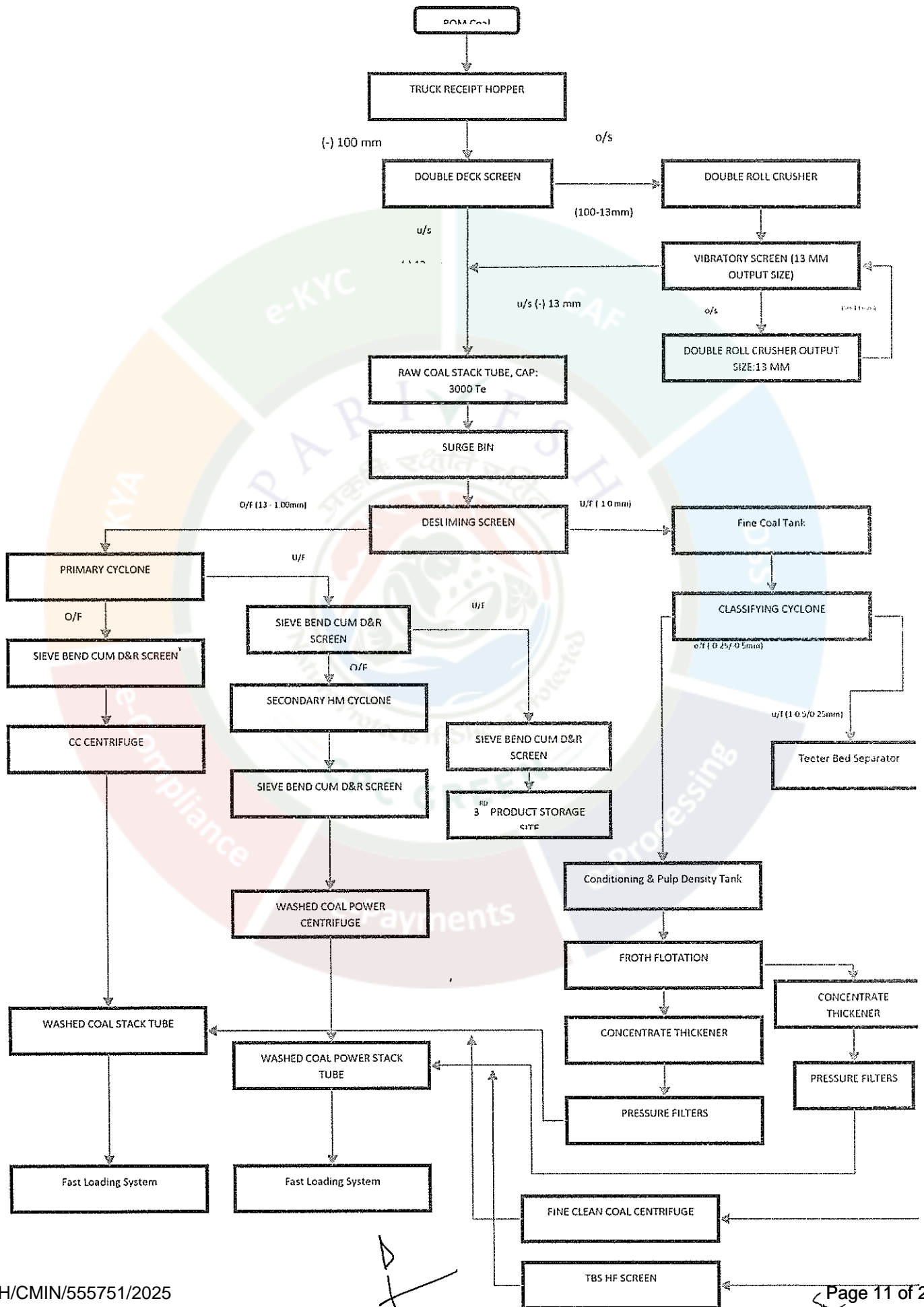
Product	Wt%	Ash%	Qty (Mty)
Clean coal	40.8	18	0.61
Washed Coal Power	36.2	34	0.54
3 rd Product	23.0	63.2	0.35
Total	100	34.2	1.50

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Process Description:



Receiving of ROM Coal & Dispatch of Products:

ROM Coal from Mine to Washery	Raw coal linkage is proposed from Pipradih-Sawang, Jarangdih & Godo by Road.
Dispatch of Clean Coal & Washed Power Coal	By two numbers Rapid Loading System on railway line of Sawang which is about 500m from washery site.
Dispatch of 3 rd Product	Through MoU/e-auction route in line with prevailing guidelines by Road/ Rail to customer of non-regulated sector, power plants, cement plant, fertilizer plants through tarpaulin cover trucks.

Requirement of Water:

The Washery is based on Closed Water Circuit with zero effluent discharge system. During the initiation of the plant 6,057 m³ of water would be withdrawn from the abandoned mine pit. 5400 m³/day of water would be recycled for plant operation and 657 m³/day make up water would be required. During Rainy season, approx. 10 KLD water generated through rainwater harvesting measures shall be utilized for washery operation purposes as makeup water.

The water requirement of the proposed washery shall be met through abandoned mine sump water of Sawang Pipradih Mine. Water shall be conveyed through pipelines laid entirely within land under possession of Central Coalfields Limited (CCL), and therefore, no right-of-way permission from any external agency shall be required. Necessary permission for utilization of abandoned mine sump water shall be obtained from the Central Ground Water Authority (CGWA)/Water Resources Department, Government of Jharkhand, and/ other competent authority, as applicable.

Status of Baseline Data Generation:

Nature of Study	Name of the Agency
Micro Meteorological Studies	Central Mine Planning and Design Institute (CMPDI), Ranchi.
Seasonal Ambient Air Quality Study	
Ambient Noise Level Study	
Water Quality study	
Soil Quality study	
Socio- Economic Study	Central Mine Planning and Design Institute (CMPDI), Ranchi
Flora & Fauna study	
Geology and Hydro-geology	Central Mine Planning and Design Institute (CMPDI), Ranchi

Cumulative Impact assessment of study area:

1. Cumulative Impact assessment of study area (10km buffer) w.r.t all environmental parameters has been carried out by incorporating all existing and proposed industrial

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activities falling within the study area and the impact is minimal due to change in washery process.

2. Impact on ambient air quality has been assessed by carrying out cumulative impact of all industries present in the 10 km buffer zone using AERMOD software, and the results suggest that the predicted ambient air quality is well within the prescribed norms.
3. Furthermore, the impact on flora fauna and socio-economic regimes has been done for the 10 km buffer zone of the project.

SCENARIO:- PM10 Emissions in $\mu\text{g}/\text{m}^3$							
Code	Location	Direction	Distance Project	Baseline	Incremental without Control	Total Predicted without Control	Prescribed Standards
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(5)+(6)	8
BAS-1	Karmatia Village	Cross Wind	1.28 km	79	4.17	83.17	100
BAS-2	Proposed Swang Washery	Core Zone	-	81	30.53	111.53	300
BAS-3	Swang, Gumia	Cross Wind	0.95 km	78	0.35	78.35	100
BAS-4	Unit Store	Down Wind	0.76 km	82	4.53	86.53	100
BAS-5	LahariaTand	Down Wind	1.81 km	81	3.12	84.12	100
BAS-6	Hazari More	UP Wind	0.96 km	79	3.96	82.96	100
BAS-7	Swang	Down Wind	0.59 km	76	9.89	85.89	100
BAS-8	Kathara Colony	Cross Wind	4.28 km	75	1.25	76.25	100
BAS-9	Bandh Basti	Cross Wind	3.80 km	73	0.71	73.71	100
BAS-10	Garmajurwa Basti	Cross Wind	1.15 km	76	4.17	80.17	100

Impact on Ground Water& Surface Water Regime:

The impact of washery on local ground water regime depends on the mine parameters like depth and rate of expansion, ground water recharge and hydraulic parameters of the aquifers intercepted. In the present project however, the water demand would be fulfilled by the seepage water present in the quarry of adjacent abandoned underground project. Hence, the ground water table would not show any kind of impact due to the concerned washery project.

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No diversion of stream or impact on any water body is expected. Konar River flows at a distance of 500 m from proposed site. The drainage of the block is controlled by Konar River flowing almost north to south.

Socio-Economic Study:

- i) The study focused on the project's leasehold boundary and a 10 km radius buffer zone.
- ii) The project will create employment opportunities both for skilled, semi-skilled and unskilled labor both during construction and operational phases of the project in the area. The local areas will be benefited by way of generation of employment opportunities, increased demand for local products and services. There will be an overall improvement in the income level of the local people.
- iii) New Swang Coking Coal Washery will be a major source of direct and indirect employment for nearby villagers in buffer zone.
- iv) The Public Hearing (PH) Action Plan focuses on Employment Skill training (tailoring, food processing, beautician) and distribution of sports items at a cost of Rs. 30 Lakh, Ambulance with ALS, upgrading dispensary, health camps, telemedicine facilities at a cost of Rs 240 Lakh, Strengthening of school amenities and educational support at a Cost of Rs. 40 Lakh, Strengthening of pipelines to villages/colonies at a cost of Rs. 70 Lakhs, Diversion of PCC Road repairing of approach road at Hazari Panchayat, and construction of Shamshan Ghat at a cost of Rs.100 Lakh, Distribution of saplings, environmental awareness programs, display boards at a cost of Rs. 65 Lakh

Flora and Fauna Study:

- i) A Flora and Fauna study was carried out during November–December 2024 within the core and buffer zones of the project area. The study recorded a total of 82 plant species in the core zone and 263 plant species in the buffer zone, comprising trees, shrubs, climbers, herbs, and grasses.
- ii) The faunal survey documented 136 faunal species in the core zone and 252 faunal species in the buffer zone, including mammals, birds, herpetofauna, fish, butterflies, insects, and other fauna. Avifauna represented the dominant group in both zones, followed by herpetofauna and insects, reflecting the ecological richness of the surrounding landscape. Fish species were recorded only in the buffer zone, indicating the presence of aquatic habitats outside the core operational area.
- iii) There are no National parks, Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant reserves (existing as well as proposed), within 10 km of the project area.
- iv) A total of 49 Schedule-I species (as per the Wildlife Protection Act, 1972) were recorded in the study area, highlighting the ecological sensitivity of the region. Of these, 20 Schedule-I species were observed within the core zone, while 49 Schedule-I species were recorded in the buffer zone.



Solid & Hazardous Waste Handling:

- i) (-) 0.5 mm coal will be treated in Classifying cyclones, Teeter Bed Separator (TBS), Froth Flotation banks and Filter Press to generate dry clean coal (to be mixed with coarse clean coal) and dry tailings (to be mixed with washed coal power/3rd product) as per ash content. As such, all the fines generated in the system shall be recovered and added to the final products.
- ii) Scrap, Metallic waste, Rubber/plastic waste, non-oily (dry jute, paper, garbage etc) waste will be generated from Washery operation. Used oil or burnt oil (approximately 20 KL/Year), Oily waste and soaked cotton (approximately 2000 kg/yr) will be generated from Washery operation. The collected used oil shall be auctioned to authorized vendor of Hazardous waste. Rubber/Plastic/ Magnetite Bags /Non-Oily Waste. This waste shall be disposed off to the recycler

ENVIRONMENT MANAGEMENT PLAN:

a) Green Belt Development Plan:

Green Belt Development Plan proposed. A 33.37% (2.61 Ha) of total project area (7.82 Ha) is proposed for green belt development. For meeting the requirement of about 50-meter width green belt, plantation will also be carried out surrounding the project boundary

Year	Plantation Details		Total Plantation cost. in Lakh (@ Rs. 2,300 per Plant*)
	Area (Ha)	Trees	
Y1	2.088	5220	120
Y2	0.261	652	15
Y3	0.262	653	15
Grand Total	2.61	6525	150

Type of plantation proposed: Avenue with PVC Gabion with a cost of Rs. 2,300 per plant in consultation with State Forest Dept.

Species proposed:Neem (Azadirachta indica), Karanja (Pongamia pinnata), Siris (Albizia lebbek / Albizia procera), Arjun (Terminalia arjuna), Baheda (Terminalia bellirica), Sal (Shorea robusta), Mahua (Madhuca longifolia), Jamun (Syzygiumcumini), Imli (Tamarindus indica), Amla (Emblica officinalis), Amaltas (Cassia fistula), Palash (Butea monosperma), Shisham (Dalbergia sissoo), Teak (Tectona grandis), Bamboo (Dendrocalamusstrictus), etc. and other native species in consultation with State Forest Dept.

b) Water Pollution Control & Water Management Measures:

- i) Garland drains are to be constructed around the product storage area to intercept and divert surface runoff.
- ii) Sedimentation ponds are to be provided to allow settling of suspended solids from runoff and process water before reuse or discharge.
- iii) Rainwater harvesting structures are to be implemented to collect and utilize runoff, reducing freshwater demand.



- iv) A treatment plant is to be installed to treat and recycle wastewater along with Thickeners to enhance solid-liquid separation, enabling recovery and reuse of clarified water in the process. This will also include Filter Press, tailing ponds and other systems.

c) Proposed Air Pollution Control Measures:

- i) Wind curtains are to be installed along the stockyard and along critical dust receptors areas to reduce wind velocity and limit dispersion of fugitive dust.
- ii) Static and mobile fog cannons, Fixed water sprinkling are to be installed at identified critical locations including loading and unloading point, stockpiles for effective suppression of airborne particulates.
- iii) Impact rollers are to be installed at conveyor transfer points to reduce material free-fall and dust generation.
- iv) Pavement quality concrete roads are to be constructed to reduce dust generation due to vehicular movement.
- v) Avenue plantation along roads and Green Belt will act as a natural barrier for dust and noise attenuation.

Total EIA/EMP Expenditure:

Proposed Water Pollution Control Measures			
Sn	Details	Estimated Capital Cost in Rs. Lakhs	Recurring Cost in Rs Lakh per year
1	Garland drains of approximately 700 m in 3rd Product storage site	100	15
2	Sedimentation ponds	200	
3	Rainwater Harvesting	100	
4	Treatment Plant including classifying cyclone, froth flotation, teeter bed, separator, centrifuges, dosing circuit thickener, Filter Press and Tailing Ponds	1100	15
Sub Total in Rs. Lakhs		1500	30
Proposed Air Pollution Control Measures			
Sn	Details	Estimated Capital Cost in Rs. Lakhs	Recurring Cost in Rs Lakh per year
1	Wind Curtains along Stock Yard	20	31
2	Static Fog Cannon	14	
3	Fixed water spraying	16	
4	Impact roller	20	
5	Fixed sprinkling near hopper	5	
6	Closed crushing and Automated sprinkling system	40	
7	Permanent wind screens	20	
8	Covered shed for mitigation of dust pollution	300	

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9	Pavement Quality Concrete Road	300	
10	Mobile Fog Canons	80	
11	Avenue Plantation	50	
Sub Total in Rs. Lakhs		865	31
Cost for Development of Green Belt and Conservation Plan			
Sn	Details	Estimated Capital Cost in Rs. Lakhs	Recurring Cost in Rs Lakh per year
1	Development of Green Belt all along the project boundary and dust emission sources (6525 Plants at a rate of Rs 2300 /Plant)	150	10
2	Wildlife Conservation Plan	47.12	-
Sub Total in Rs. Lakhs		197.12	10

d) Provision of Action Plan of Public Hearing:

- i) Public consultation including public hearing was conducted 06.06.2025 (Friday) at the designated site, Officers' Club, Kathara Area, CCL, Bokaro, Jharkhand through JSPCB as per the provisions/procedure contained in the EIA notification, 2006.
- ii) A detailed compliance of issues raised in PH along with additional budgetary provision and timeline for Rs. 5.45 Crore has been prepared and submitted as below:

Sl. No.	Issues Raised	Budgetary Provision in Lakh	Timeline
1	Water supply in the nearby village	70 Lakhs	Throughout the project life
2	Plan to provide medical facilities to the nearby villagers	240 Lakhs	Throughout the project life
3	Strengthening of basic amenities in nearby Schools	40 Lakhs	Within 1 st to 5 th year
4	Diversion of PCC Road near Loha Bridge, Construction of Shamshan Shed and repairing of approach road at Hazari Panchayat	100 Lakhs	Within one year
5	Provision for Skill Development training in various trade (Tailoring, Food Processing, Beautician etc) for 10 persons	20 Lakhs	Within 1 st to 5 th year
6	Distribution of Sports Items	10 Lakhs	Within 1 st to 5 th year
6	Other Measures (Distribution of saplings, Env. Awareness activities and display of signboard/hoardings)	65 Lakhs	--
Total Cost		545 Lakhs	

This is a separate budget proposed for meeting the demand of Public Hearing of New Sawang Coking Coal Washery, in addition to the EIA/EMP cost.

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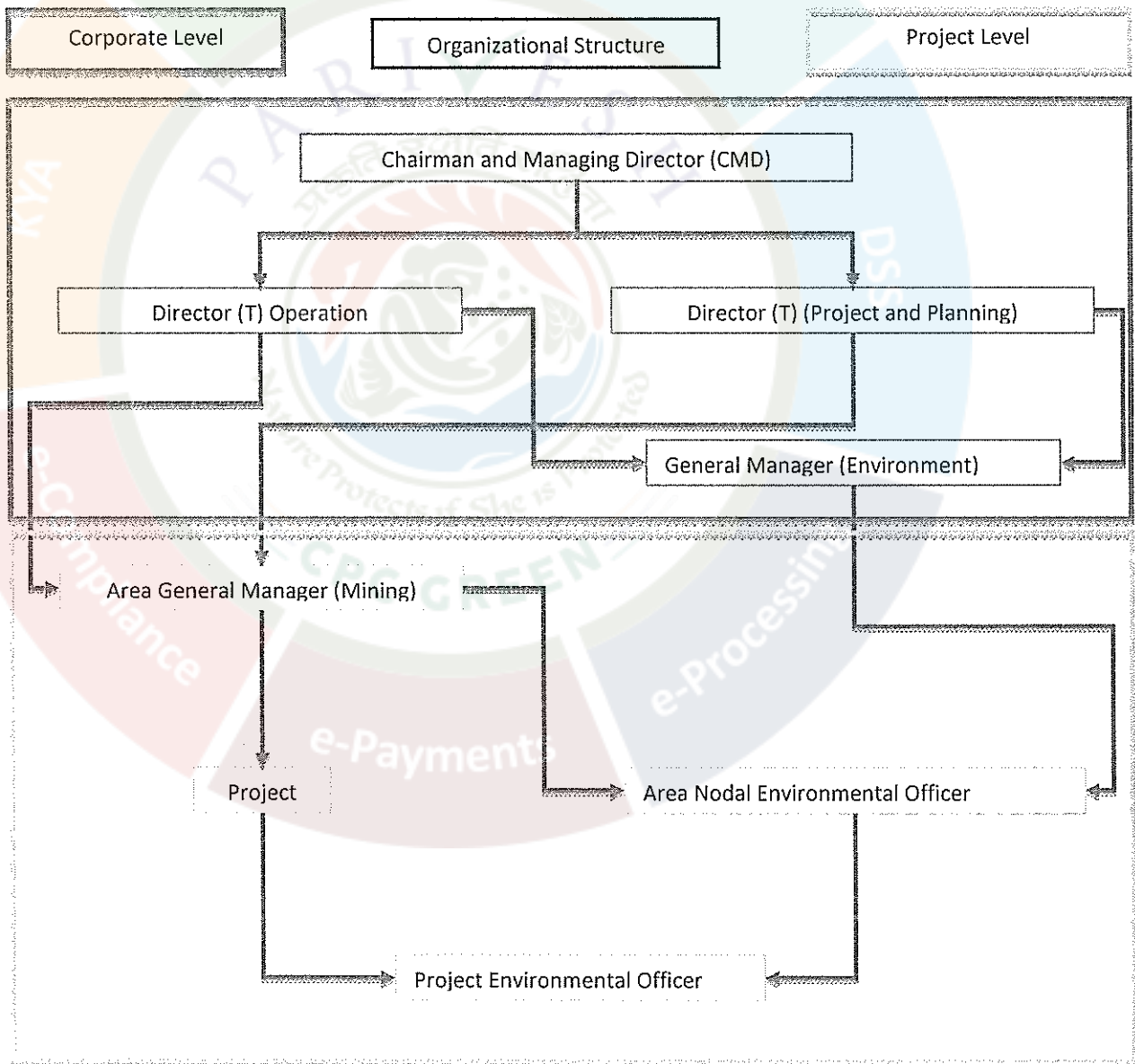
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e) **Wildlife Management Plan and Budgetary Provision:**

- i) In view of the presence of protected wildlife, a Wildlife Conservation Plan with an estimated cost of ₹47.12 Lakhs has been prepared and submitted to the Divisional Forest Officer (DFO), Bokaro on 25.06.2025 for review and approval.

Environmental Cell & Organization Chart:

The organizational structure for environmental management operates at two levels: Corporate Level (policy formulation and strategic oversight) and Project Level (implementation and compliance). At the corporate level, the CMD, Directors (Tech.), and General Manager (Environment) provide oversight to ensure regulatory adherence. The Project Level, led by the Area General Manager (Mining), includes Project Officers and Environmental Officers responsible for on-site execution. This structure enables effective coordination, compliance with environmental regulations, and sustainable washery practices. An organization chart showing the hierarchy is submitted below:



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STATUTORY CLEARANCES

1	Land docs	:	Land has been acquired vide S.O no. 5222R dt 04.05.1922.
2	CO	:	The CO, Gomia vide letter no. 350, dated 01.03.2023 has mentioned the plot no. of the project is not recorded as "Jungle- Jhari" in R.S. Khatiyar & Register II.
3	DFO Wild Life	:	DFO, Wildlife Division, Hazaribagh vide letter no. 1262, dated 03.07.2023 certified that the proposed project site is outside Eco Sensitive Zone of Parasnath & Topchanchi Sanctuary.
4	DFO Territorial	:	Divisional Forest Officer, Bokaro Forest Division vide letter no. 73, dated 11.01.2024 certified that the distance of reserved / protected forest land is more than 250 meter from proposed project site.
5	Pre-Feasibility Report Approval	:	Pre-Feasibility Report approved by Company Secretary of Central Coalfields Ltd., Darbhanga House, Ranchi vide Ref. no. C.S./B.M. / 537 / 2024 /67, dated 12.03.2024.
6	Baseline monitoring data	:	October, 2023 to December, 2023.
7	Public Hearing	:	Public Hearing conducted on 06.06.2025.

State Level Environment Level Impact Assessment Authority (SEIAA), Jharkhand in its 128th meeting held on 08th & 09th January, 2026 discussed the project proposal along with recommendations made by SEAC in its 128th meeting held on 19th, 20th, 21st, 22nd, 23rd and 24th December, 2025 and decided to grant EC to the project.

On the basis of recommendation of SEAC and decision of SEIAA to grant of EC, Environmental Clearance is hereby issued to the "New Sawang Coking Coal Washery (1.5 MTPA) of M/s Central Coalfields Limited (CCL) at Village : Sawang, Block : Gumia, District : Bokaro, Jharkhand (7.82 Ha)" alongwith the following specific conditions as recommended by SEAC:

I. Specific Conditions:

- i. This Environmental Clearance is valid subject to the following condition below – That this project has-
 - a. Obtained all legal rights to operate at concerned place.
 - b. Complied with all existing concerned laws of the land and
 - c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date.
- ii. In compliance of Office Memorandum no. IA-J-11013/20/2025-IA-P, dated 25.11.2025 of MoEF&CC, Govt. of India, the PAs will mandatorily obtain the Environmental Safeguard to be implemented from Jharkhand State Pollution Control Board within 30 days of issuance of EC or 31.01.2026 which ever is earlier.

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- iii. 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.

II. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan / Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority.
- vi. Solid waste/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016 / Hazardous & Other Waste Management Rules, 2016 as amended from time to time.
- vii. Coal beneficiation practices shall be carried out under strict adherence to provisions of the Factories Act, 1957 and subordinate legislations made there under.

III. Air quality monitoring and preservation

- i. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November, 2009 shall be complied with.
- ii. Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO₂ and NO_x. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution



Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc. carried out at least once in six months.

- iii. Continuous ambient air quality monitoring stations as prescribed in the statute be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely PM10, PM25, SO2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Online ambient air quality monitoring stations may also be installed in addition to the regular monitoring stations as per the requirement and/or in consultation with the SPCB. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc to be carried out at least once in six months.
- iv. Transportation of coal by road shall be carried out by covered trucks/conveyors. The transportation of clean coal and rejects shall be by rail with wagon loading through silo. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulates such as roads, belt conveyors, loading/unloading and transfer points. Fugitive dust emissions from all sources shall be controlled at source. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central/State Pollution Control Board
- v. All approach roads shall be black topped and internal roads shall be concreted. The roads shall be regularly cleaned. Coal transportation shall be carried out by covered trucks.
- vi. Covered trucks shall be engaged for mineral transportation outside the washery upto the railway siding, shall be optimally loaded to avoid spillage en-route. Trucks shall be adequately maintained and emissions shall be below notified limits.
- vii. Facilities for parking of trucks carrying raw material from linked mine shall be created within the unit.
- viii. Vehicular emissions shall be kept under control and regularly monitored. The vehicles having 'PUC' certificate from authorized pollution testing centres shall be deployed for washery operations.
- ix. Hoppers of the coal crushing unit and other washery units shall be fitted with high efficiency bag filters/mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of closed belt conveyor systems and from transportation roads.
- x. The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored mineral does not catch fire.
- xi. The temporary reject sites should appropriately planned and designed to avoid air and water pollution from such sites.

IV. Water quality monitoring and preservation

- i. The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry

Standards vide GSR 742 (E) dated 25.9.2000 and as amended from time to time by the Central Pollution Control Board.

- ii. The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for compliance.
- iii. Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the Rules made there under, and as amended from time to time.
- iv. The project proponent shall not alter major water channels around the site. Appropriate embankment shall be provided along the side of the river/nallah flowing near or adjacent to the washery. The embankment constructed along the river/nallah boundary shall be of suitable dimensions and critical patches shall be strengthened by stone pitching on the river front side stabilised with plantation so as to withstand the peak water pressure preventing any chance of inundation.
- v. Heavy metal content in raw coal and washed coal shall be analysed once in a year and records maintained thereof.
- vi. The rejects should preferably be utilized in FBC power plant or disposed off through sale for its gainful utilization. If the coal washery rejects are to be disposed off, it should be done in a safe and sustainable manner with adequate compaction and post closure arrangement to avoid water pollution due to leachate from rejects and surface run off from reject dumping sites.
- vii. An Integrated Surface Water Management Plan for the washery area up to its buffer zone considering the presence of any river/rivulet/pond/lake *etc.* with impact of coal washing activities on it, shall be prepared, submitted to MoEFCC and implemented.
- viii. Waste Water shall be effectively treated and recycled completely either for washery operations or maintenance of green belt around the plant.
- ix. Rainwater harvesting in the washery premises shall be implemented for conservation and augmentation of ground water resources in consultation with Central Ground Water Board.
- x. No ground water shall be used for coal washing unless otherwise permitted in writing by competent authority (CGWA) or MoEFCC. The make-up water requirement of washery should not exceed 1.5 m³/tonne of raw coal.
- xi. Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.
- xii. Monitoring of water quality upstream and downstream of water bodies shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/ Regional Office.

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- xiii. The project proponent shall take all precautionary measures to ensure riverine/riparian ecosystem in and around the coal mine up to a distance of 5 km. A riverine/riparian ecosystem conservation and management plan should be prepared and implemented in consultation with the irrigation / water resource department in the state government.

V. Noise and Vibration monitoring and prevention

- i. The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.
- ii. Adequate measures shall be taken for control of noise levels as per noise pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness programme for users to be conducted. Progress in usage of such accessories to be monitored.

VI. Coal Beneficiation:

- i. Coal stacking plan shall be prepared separately for raw coal, clean coal, middling and rejects.
- ii. Efforts should be made to reduce energy consumption by conservation, efficiency improvements and use of renewable energy.

VII. Green Belt:

- i. Three tier greenbelt comprising of a mix of native species, of minimum 30 m width shall be developed all along the washery area to check fugitive dust emissions and to render aesthetic to neighbouring stakeholders. A 3-tier green belt comprising of a mix of native species or tree species with thick leaves shall be developed along vacant areas, storage yards, loading/transfer points and also along internal roads/main approach roads.
- ii. The project proponent shall make necessary alternative arrangements, if grazing land is involved in core zone, in consultation with the State government to provide alternate areas for livestock grazing, if any. In this context, the project proponent shall implement the directions of Hon'ble Supreme Court with regard to acquiring grazing land.

VIII. Public Hearing and Human Health issues:

- i. Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored weekly. The report on the same shall be submitted to this ministry & it's RO on six- monthly basis.
- ii. The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from workforce engaged in active mining operations



- shall be subjected to health check-up for occupational diseases and hearing impairment, if any. as amended time to time.
- iii. Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.
 - iv. Implementation of the action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.
 - v. The project proponent shall follow the mitigation measures provided in this Ministry'S OM No.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.

IX. Corporate Environment Responsibility:

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements / deviation / violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous:

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at



their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/JEMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No change in coal beneficiation process and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC) with such conditions mentioned therein. No change in the maximum quantum of raw material feed per annum against the approved washery capacity shall be made.







- xi. Concealing factual data or submission of false / fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry / SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xvii. The Prescribed EC is valid as per Notification no. S.O. 1807(E) dated 12.04.2022 of MoEF & CC, Govt. of India.

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

Memo No. : EC/SEIAA/2022-23/3124/2023/ 588

Ranchi, Date : 20.01.2026

Copy to:

1. Secretary, Department of Forests, Environment & Climate Change, Govt. of Jharkhand.
2. Deputy Commissioner, District – Bokaro, Jharkhand.
3. Divisional Forest Officer, Bokaro Forest Division, Bokaro, 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. Regional Office, Ministry of Environment, Forest and Climate Change, Govt. of India, 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.

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Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand

