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File No: EC/SEIAA/2024-25/3292/2024

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA), JHARKHAND)

***

Dated **13/12/2024**

To,

Sandip Omprakash Agarwal
OMKAR COAL WASHERIES PRIVATE LIMITED
403, TULIP GARDEN ENCLAVE, GANESHPETH, Mahatma Fule Bazar, Nagpur, Nagpur- 440018, Maharashtra, Nagpur, NAGPUR, MAHARASHTRA, 440018
ca.sandip.a@gmail.com

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 Proposed Green Field Project to set-up wet 2.48 MTPA Coal Washery At Kh No 194, 195, 198, 284 Plot No CS 24P, 25, 26, 27 P, 162 163, 164P, Village Olhepat, District Latehar, Jharkhand by M/s Omkar Coal Washeries Pvt Ltd submitted to Ministry vide proposal number SIA/JH/CMIN/500925/2024 dated 21/10/2024.

2. The particulars of the proposal are as below :

(i) TOR Identification No.	TO24B0801JH5610391N
(ii) File No.	EC/SEIAA/2024-25/3292/2024
(iii) Clearance Type	TOR
(iv) Category	B1
(v) Project/Activity Included Schedule No.	2(a) Coal washeries
(vii) Name of Project	Proposed Green Field Project to set-up wet 2.48 MTPA Coal Washery At Kh No 194, 195, 198, 284 Plot No CS 24P, 25, 26, 27 P, 162 163, 164P, Village Olhepat, District Latehar, Jharkhand by M/s Omkar Coal Washeries Pvt Ltd
(viii) Name of Company/Organization	OMKAR COAL WASHERIES PRIVATE LIMITED
(ix) Location of Project (District, State)	LATEHAR, JHARKHAND
(x) Issuing Authority	SEIAA
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

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 AssessmentAuthority(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 AssessmentAuthority(SEIAA) Appraisal Committee of SEIAA in the meeting held on 28/11/2024. 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 28/11/2024, 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 AssessmentAuthority(SEIAA) Appraisal Committee hereby decided to grant Terms of Reference for instant proposal of M/s. Sandip Omprakash Agarwal 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.

Copy To

N/A

Annexure 1

Standard Terms of Reference for (Coal washeries)

1. Satutory Compliance

S. No	Terms of Reference
1.1	Siting of washery is critical considering to its environmental impacts. Preference should be given to the site located at pit head in mine lease area; not available at pit head then facilitate transportation of unwashed coal to washery through conveyor belt to avoud dust pollution. Regrading other location option analysis criteria should be followed.
1.2	A brief description of the coal washery alongwith its layout, pillar cordinates, the specific technology used and the source of coal should be provided. If the washery is located within the mine lease or near to the mine lease its location should be cited seperately also, providing pillar cordinates and site layout plan.
1.3	O.M.no.J-ll0I3/25/2014-IA.I dated 11th August, 2014 to be followed with regard to CSR activities.

S. No	Terms of Reference
1.4	PP shall submit clarification from PCCF that mine does not falls under animal corridors of any National Park and Wildlife Sanctuary within 15 to 20 km distance with certified map showing distance of nearest sanctuary.
1.5	Permission of drawl of water shall be pre-requisite for consideration of EC.
1.6	Wastewater /effluent should confirm to the effluent standards as prescribed under Environment (Protection) Act, 1986
1.7	The washery shall not be located in wild life sanctuary & eco-sensitive zones areas and also minimum 1 km from the distance from the boundary of Wild life sanctuaries
1.8	A three -tier thick Green belt should be developed surrounding the washery comprising atleast 33% of the total land aquired for washery plant and a time bound budgetary plan with the species selected and survival rate to be provided in the EIA/EMP report .
1.9	Details of Public Hearing, Notice(s) issued in newspapers, proceedings/minutes of Public Hearing, points raised by the general public and response/commitments made by the proponent along with the time bound Action Plan and budgetary provisions be submitted in tabular form in EIA/ EMP report. If the Public Hearing is in the regional language, an authenticated English translation of the same should be provided. Status of any litigations/ court cases filed/pending, if any, against the project should be mentioned in EIA.

Additional Terms of Reference

N/A

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
Washed Coal	Washed Coal	2000000	Tons per Annum (TPA)	Road	
Reject Coal	Reject Coal	480000	Tons per Annum (TPA)	Road	

State Level Environment Impact Assessment Authority, Jharkhand
Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834 004
E-mail: mssciaa.jhk@gmail.com/chr-seiaajhr@gov.in
website: www.jseiaa.in

Letter No.- **EC/SEIAA/2024-25/3292/2024/** Ranchi, Date :

To: **Shri Sandip Omprakash Agarwal,**
(Director),
403, Tulip Garden Enclave,
Ganeshpeth, Mahatma Fule Bazar, Nagpur,
District : Nagpur - 440018, Maharashtra.

Sub: Prescribing of ToR to **"Proposed Green Field Project to Set-up wet 2.48 MTPA Coal Washery by M/s Omkar Coal Washeries Pvt. Ltd. at Village : Olhepat, Tehsil : Balumath, District : Latehar, Jharkhand (7.48 Ha)" (Proposal No. : SIA/JH/CMIN/500925/2024) – regarding.**

Ref: Your application no. Nil, dated : 21.10.2024.

Sir,

It is in reference to the project to **"Proposed Green Field Project to Set-up wet 2.48 MTPA Coal Washery by M/s Omkar Coal Washeries Pvt. Ltd. at Village : Olhepat, Tehsil : Balumath, District : Latehar, Jharkhand (7.48 Ha)"** along with the application in the prescribed format (Form-1) and a copy of the pre-feasibility report and approved mine plan to prescribe the ToRs for undertaking detailed EIA study for the purpose of obtaining environmental clearance under the provisions of the EIA Notification, 2006 in respect of the above mentioned project.

This is a new project which has been taken for appraisal on 23.10.2024.

Project Sector: 2(a) Coal Washeries, Category: B1.
Application for Terms of Reference (ToR) as per EIA notification, 2006.

ToR application for : Coal Washery with throughput ROM Coal Feed of 2.48 MTPA.

The proposal was considered by the committee to determine the " Terms of Reference (ToR) " for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006 and amendments thereafter. For this purpose the Project Proponent has submitted the prescribed Form – I & PFR the proposed project falls under item 2(a) Coal Washeries as per EIA Notification, 2006.

Indian coal is characterized having high ash content and low heat value in nature compared to coals of US or Australian origin. More than 90 percent of coal mined in India is produced from opencast mines contributing to inert contamination. Run of mine (ROM) coal extracted from

opencast mines in India typically has ash contents in the range of 35 percent to as high as 50%, low and reducing calorific value (2500- 4500 kcal/kg). Presence of high ash content is reported to lead to faster wear and tear of power plant components, difficulty in pulverisation, poor emissivity and flame temperature, low radioactive transfer, generation of excessive amounts of fly-ash containing large amounts of un-burnt carbon, etc. Further, transportation of high-ash coal across long distances leads to increased cost because large quantities of noncombustible inert materials are also transported. It also leads to increased freight service demand causing excess pressure on the rail transportation. Transportation of inert materials also lead to additional consumption of energy due to rail and road transportation contributing to emission of carbon-dioxide (CO_2) and other greenhouse gases (GHG) from the mode of transport (rail and road).

Coal washing lead to higher quality fuel with better heat value (could increase thermal efficiencies by as much as 4%-5% on existing pulverized coal- fired boilers with an accompanying reduction of CO2 emissions), reduces fuel quantity requirements (handled and transported) and cost of transportation.

Project and Location Details :

Sr. No.	Parameter	Details
1	Project Name	Omkar Coal Washeries Pvt Ltd
2	Project Proponent	Mr. Sandeep Agarwal
3	Address	At Khata No. 25, RS No. 194, 195, 198, 284 Village Olhepat, District Latehar, Jharkhand.
4	Area	7.48 ha
5	Type of Land	Agricultural Barren land, will be converted for Industrial use
6	Project Cost	Rs. 29.27 Cr
7	New or Expansion	New
8	Raw Coal Linkage	Tetaria Project – Mine, Magadh Coal Mines, Amrapali Coal Mines , Ashoka Coal Mines and other.
9	Product Linkage	Power Plant, Steel Plant & Other Industries
10	Project Life	21 Years including Construction period being 3 years
11	Manpower	75
12	Water Requirement	333 KLD
13	Water Source	Ground Water and Rainwater Harvesting
14	DG Set / Power	2 X 380 KVA (For office use only during power failure)
15	Crusher	Yes (Within Washery Building)
16	Nearest Water Body	Patam River : 0.56 Km (NNW)
17	Nearest Habitation	Olhepat : 0.04 Km (E)
18	Nearest Railway Station	Tori Railway Station : 17 Km (S) Kusmahi Railway Siding : 11 Km
19	Nearest Airport	Birsa Munda Airport, Ranchi : 85 Km (SE)

20	Nearest Forest	Diridag P F : 0.27 Km (SW)
21	Road & Highways	SH 10 : 3.10 Km (NE) NH 99 : 5.70 Km (E)

CO-ORDINATES:

1	Latitude	From 23°49'59.20"N	To 23°50'3.42"N
2	Longitude	From 84°43'53.65"E	To 84°43'56.65"E

LAND DETAILS:

Sr. No.	Khata No	RS No	Area in ha
1	25	198	3.64
2	25	194,195	2.02
			0.15
3	25	284	1.66
Total			**7.48**

Process Details :

The washery has been designed for a throughput capacity of 2.48 MTPA raw coal. The washery will produce two products viz. Washed Coal & Reject Coal.

It has been planned to crush entire coal down to (-) 13 mm. Treatment of 13-0.5 mm coal into two stage HM cyclone and beneficiation of -0.5 mm size fraction by froth floatation have been envisaged.

The proposed balance of products is given below :

Sr. No.	Properties	Raw Coal	Washed Coal	Rejects
1	Quantity (MTPA)	2.48	2.0	0.48
2	Ash %	40-44	28-32	65-70
3	Total Moisture %	7.5	12.0	10.0
4	Sulphur %	0.5	0.5	0.5

5	GCV (Kcal/Kg)	3600 - 3800	4800-5000	1000-1200
6	Volatile Matter (%)	25	25	12
7	Fixed Carbon (%)	28-30	35-43	7-8
8	Mercury as (Hg) mm/kg	<0.10	<0.10	<0.10
9	Yield %	100	80.0	20.0

PROPOSED COAL WASHERY (OPERATION)

Run-Of-Mine Coal transported by Tipping Trucks shall be received at the Coal Washery site and dumped in the areas adjacent to the Ground Hopper from where the same shall be fed to the Ground Hopper by dozing / Pay loaders. Raw coal in the size up to 300 mm transported from mines will be feed the ground hopper.

Ground hopper is fitted with grizzly of 300 X 300 mm size opening. Coal will be transported by pay loaders to feed over the grizzly. Ground hopper will be fitted below with two vibro-feeders (400 TPH each) which in turn feed to a conveyor (500 TPH). Coal is transported through conveyor to two rotary breakers (250 TPH each) located parallely. Rotary breaker in turn will separate out coal and shale / rock. It will crush coal to (-) 50 mm size and pass through the perforated outer shell. Coal and shale will be transported by separate conveyors. Shale will be crushed to desired size by double roll crusher (50 TPH). Coal conveyor feed coal to a double deck vibratory screen (500 TPH) to separate out (-) 25 mm and (-) 15 mm coal fines from the crushed coal and over flow of screen will be (-) 50 mm. Thus it will produce three products (+) 25 mm to (-) 50 mm coal and (+) 15 mm to (-) 25 mm and (-) 15 mm coal fines. Coal fines will be screened again through Flip flow screen which will produced two product (-) 15 mm to (+) 6mm and

(-) 6 mm coal fines which will be transported through different conveyors. Sized coal

(-) 15 mm to (+) 6mm size, (+) 15mm to (-) 25 mm will be mixed with (+) 25 mm to

(-) 50 mm coal and stocked in a stack holder.

Below the Stack holder 2 Nos.of vibrators (200 TPH each) will be provided to deliver coal to a conveyor which in turn feed to a desliming screen where water is sprinkled to wash out coal fines (-) 1 mm size adhere to coal. Coal fines will flow through a launder below the screen to a set of desliming sieve bends and then flow through pipes to a fines coal tank.

The screen coal (-) 50 mm to (+) 6 mm size will be feed to a central column provided at the center of Heavy Media Tank. The magnetite will also be provided to central column. Magnetite slurry (media) is being prepared with a preset specific gravity. The mixture of coal and media

will be pumped to Heavy Media Cyclone to separate out clean coal and reject by cyclonic process.

Then both clean coal and reject coal will be washed through clean coal screen and reject screen respectively to separate out the media adhering to coal and reject in the first compartment. Fine coal is washed from clean coal and reject coal will be collected below the screen in the second compartment. Washed clean coal and reject will be transported by separate conveyors to be stocked in clean coal and reject pile respectively.

The washed media will be collected in a dilute media tank and then pumped to the Magnetic Separator to separate and collect media / magnetite. The effluent of magnetic separator flow to fine coal tank. The density of magnetite media will be accurately controlled with respect to maintain required quality of washed product.

The fine coal slurry collected below screen will be feed to fine coal tank and then pumped to a set of classifying cyclones. Under flow of classifying cyclone will flow to High Frequency screen. The over flow of classifying cyclones will be feed to a high rate thickener. Flocculent will be added to thickener to facilitate settling process. The under flow of thickener will pass through a Belt press. The fine coal cake collected from belt press in turn will be mixed with clean coal. The over flow of the thickener will flow to Clarified water tank and this water will be utilized in the process and spray of sprinklers over the screens. In Clarified water tank make up water shall also be added for circulation into the system.

The underflow of classifying cyclones shall be dewatered in High Frequency Screen. The underflow of High Frequency Screen shall be transported back to the Fine Coal Tank while the overflow of the High Frequency Screen shall be collected on Belt Conveyor and mixed with Clean Coal at the ground storage.

The overflow from classifying cyclones shall be fed to a High Rate Thickener (18 Mtr. Dia.). Flocculants shall be used in Thickener to facilitate Settling process. The thickened slurry collected at the Thickener bottom / under flow shall be pumped and transported to a Belt press / series of Settling Ponds. Clarified water from the Settling Ponds shall be pumped back to the Clarified Water Tank adjacent to the Thickener.

Make up water and make up magnetite will be added as required in the process.

The clean coal will be dispatched to consumers through rail and road.

PROCESS CONTROL

Plant control shall be achieved by a centralized PLC based control system designed to enable one operator to start-up, monitor, and control and shut down all main equipment, and process functions from the feed input to the plant through to product transfer conveyors. The PLC shall have provision for hot standby. A UPS with hot standby back up shall be provided to take care of power tripping and fluctuations.

All major items of equipment will be interlocked in an automatic stopping sequence within the PLC in such a manner that both material and liquid flows will always be fail safe. Stop push buttons will be located adjacent to each drive and will be operable at all times.

An emergency stop button shall be located either in the control room or in the operating computer to enable the whole plant to be stopped.

The density of the magnetite media shall be accurately controlled within the wide range to maintain required quality of the washed products. The density measurement shall be done by a density gauge.

MEDIA PREPARATION & REGENERATION CIRCUIT.

The dilute media which is collected in the Dilute Media Tank shall be pumped by a Dilute Media Pump to a Magnetite Separator Feed Box from which the Dilute Media shall be fed to a Double Stage Magnetic Separator. The Separator shall separate out the Magnetite from water and the over-dense media gets dislodged from the Magnetic Drum to the Over-dense Media Launders and from there to the Heavy Media Tank.

The effluent from the magnetic separator goes to Fine Coal Tank through wetting launders.

During the process of operation, some amount of Magnetite gets lost which shall be made up by adding fresh magnetite to the system. Magnetite powder mixed with water in a sump on the ground floor to make magnetite slurry. The dilute magnetite media then shall be pumped through a vertical sump pump to the Dilute Media Tank. Dilute Media will be processed through magnetic as detailed above. Thus make up magnetite is added here.

Receiving of ROM Coal & Dispatch of Products:

ROM Coal from Mine to Washery	Raw Coal is proposed from Tetaria Project – Mine, Magadh Coal Mines, Amrapali Coal Mines, Ashoka Coal Mines & other Coal Mines by road.
Dispatch of Clean Coal	Clean Coal will be dispatched to its customers by road/rail
Dispatch of Reject	Reject Coal will be dispatched to its customers by road/rail

Requirement of Water:

Water requirement for the proposed project will be 333 KLD will be sourced from Bore well (Ground water). Necessary permission will be taken from CGWA before receipt of EC. The project will conserve rainwater by providing collection tank. The collected water will be used for

dust suppression and green belt. The location of the proposed washery is in safe zone as per CGWA.

Land Type Breakup:

Sl. No.	Description	ha
A	Non-Forest Land	7.48
A-1	Land Requirement for main plant	2.44
A-2	Raw Coal storage yard	1.41
A-3	Other facilities (internal road, lab room admin buildin etc)	0.65
A-4	Green belt	1.87
A-5	Open space	1.11
	Total	**7.48**
	Additional adjacent land for Greenbelt	**3.89**

Greenbelt:

Total Greenbelt area : 5.76 ha (Within plant boundary 1.87 ha + 3.89 ha on adjacent land owned by Director of the Company. No any industrial activity will be carried out on this adjacent land of 3.89 ha).

Risk and Hazard Mitigation measures:

a) Electrical installations will be designed in accordance with prescribed safety rules to ensure that electrical fire possibility is minimized.
b) At the operational stage, all safety rules will be followed.
c) Display of warning signs in operational area against fire and proper storage of inflammable material like diesel, etc.
d) Provision of adequate firefighting arrangements with a ground water tank dedicated to firefighting exclusively.
e) Organizing firefighting drills on regular basis and installation of Portable fire fighters at strategic locations all over the plant.
f) Installation of smoke detectors with Fire Alarm.
g) Details of Risk Management Plan shall be prepared and presented in EIA/EMP report.

STATUTORY CLEARANCES

1.	LOI/Lease docs	:	Land is purchased by mutual understanding with land owner.
2.	CO	:	The CO, Balumath vide letter no. 912, dated 11.07.2024 has

			mentioned the plot no. of the project is not recorded as "Jungle- Jhari" in R.S. Khatiyan & Register II.
3.	DFO Wild Life	:	Deputy Director, Palamau Tiger Project, South Division, Mediniagar vide letter no. 797, dated 09.09.2024 certified that the proposed project site is outside Eco Sensitive Zone of Palamau Tiger Reserve.
4.	DFO Territorial	:	Division Forest Officer, Latehar Forest Division vide letter no. 1613, dated 08/10/2024 certified that the distance of reserved / protected forest land is more than 250 meter from proposed project site.

SEAC, Jharkhand has suggested the ToRs in its **118th** meeting held on **22nd, 23rd, 24th, 25th and 26th October, 2024** in the light of Hon'ble NGT, Principal Bench, New Delhi order dated 13.09.18 and MoEF & CC OM dated 12.12.18 for undertaking detailed EIA / EMP study and SEIAA, Jharkhand has approved the ToRs in its **118th** meeting held on **28th & 29th November, 2024**.

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

Specific Conditions:

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).**
2. **Complete material balance including the media and flocculants to be provided.**
3. **Detailed water balance to be provided. Rain Water Harvested is also to be included.**
4. **Details of all the waste generation in the project along with handling and management of the same.**
5. **Primary study to be carried out for Socio Economy, Ecology & Bio-Diversity, Geology and Hydro Geology.**
6. **Details of settling pond and cycle of concentration, if any.**
7. **Details of all the pollution control measures including ETP & STP, if any.**
8. **Details of fire control management plan.**
9. **Proposal for upgradation of health facilities to be provided to the nearest PHC is to be included in the EIA / EMP report.**
10. **Management plan for the railway siding to be specifically detailed.**
11. **Undertaking for implementation of ZLD is to be incorporated in EIA report.**
12. Siting of washery is critical considering to its environmental impacts. Preference should be given to the site located at pit head; in case such a site is not available, the site should be as

close to the pit head as possible and coal should be transported from mine to the washery preferably through closed conveyer belt to avoid air pollution.

13. The washery shall not be located in eco-sensitive zones areas.

14. The washery should have a closed system and zero discharge. The storm drainage should be treated in settling ponds before discharging into rivers/streams/water bodies.

15. A thick Green belt of about 50 m width should be developed surrounding the washery.

16. A brief description of the plant alongwith a layout, the specific technology used and the source of coal should be provided.

17. The EIA-EMP Repot should cover the impacts and management plan for the project of the capacity for which EC is sought and the impacts of specific activities, including the technology used and coal used, on the environment of the area (within 10km radius), and the environmental quality of air, water, land, biotic community, etc. through collection of data and information, generation of data on impacts for the rated capacity. Cumulative impacts for air and water should be a part of EIA in case coal mine, TPP and other washeries are located within 10km radius. The EIA should also include mitigative measures needed to minimize adverse environmental impacts.

18. A Study Area Map of the core zone as well as the 10km area of buffer zone showing major industries/ mines and other polluting sources should be submitted. These maps shall also indicate the migratory corridors of fauna, if any and areas of endangered fauna; plants of medicinal and economic importance; any ecologically sensitive areas within the 10 km buffer zone; the shortest distance from the National Park/WL Sanctuary Tiger Reserve, etc. alongwith the comments of the Chief Wildlife Warden of the State Government.

19. Data of one-season (non-monsoon) primary- base-line data on environmental quality of air (PM10, PM2.5, SOx and NOx, noise, water (surface and groundwater), soil be submitted.

20. The wet washery should generally utilize mine water only. In case mine water is not available, the option of storage of rain water and its use should be examined. Use of surface water and ground water should be avoided.

21. Detailed water balance should be provided. The break-up of water requirement as per different activities in the mining operations vis-a-vis washery should be given. If the source of water is from surface water and/or ground water, the same may be justified besides obtaining approval of the Competent Authority for its drawl.

22. The entire sequence of mineral production, transportation, handling, transfer and storage of mineral and waste, if any, and their impacts on air quality should be shown in a flow chart with specific points where fugitive emissions can arise and specific pollution control/mitigative measures proposed to be put in place. The washed coal and rejects should be transport by train as far as possible. Road transport of washed coal and rejects should generally be avoided. In case, the TPP is within 10km radius, it should be through conveyer belt. If transport by rail is not feasible because of the topography of the area, the option for

transport by road be examined in detail and its impacts along with the mitigation measures should be clearly brought out in EIA/EMP report.

23. Details of various facilities proposed to be provided in terms of parking, rest areas, canteen etc.to the personnel involved in mineral transportation, workshop and effluents/pollution load from these activities should be provided.

24. Impacts of CHP, if any, on air and water quality should also be spelt out alongwith Action Plan.

25. O.M. no. J-llOI3/25/2014-IA.I dated 11th August, 2014 to be followed with regard to CSR activities.

26. Details of Public Hearing, Notice(s) issued in newspapers, proceedings/minutes of Public Hearing, points raised by the general public and response/commitments made by the proponent along with the Action Plan and budgetary provisions be submitted in tabular form. If the Public Hearing is in the regional language, an authenticated English translation of the same should be provided. Status of any litigations/ court cases filed/pending, if any, against the project should be mentioned in EIA.

27. Analysis of samples indicating the following be submitted:-

    a. Characteristics of coal prior to washing (this includes grade of coal, other characteristics of ash, Sand heavy levels of metals such as Hg, As, Pb, Cr etc).

    b. Characteristics and quantum of coal after washing.

    c. Characteristics and quantum of coal rejects.

28. Details of management/disposal/use of coal rejects should be provided. The rejects should be used in TPP located close to the washery as far as possible. If TPP is within a reasonable distance (10 km), transportation should be by conveyor belt. If it is far away, the transportation should be by rail as far as possible.

29. Copies of MOU/Agreement with linkages (for stand-alone washery) for the capacity for which EC is being sought should be submitted.

30. 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.

    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.

31. A detailed action Plan for Corporate Social Responsibility for the project affected people and people living in and around the project area should be provided.
32. Permission of drawl of water shall be pre-requisite for consideration of EC.
33. Wastewater /effluent should confirm to the effluent standards as prescribed under Environment (Protection) Act, 1986.
34. Details of washed coal, middling and rejects along with the MoU with the end-users should be submitted.
35. 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.

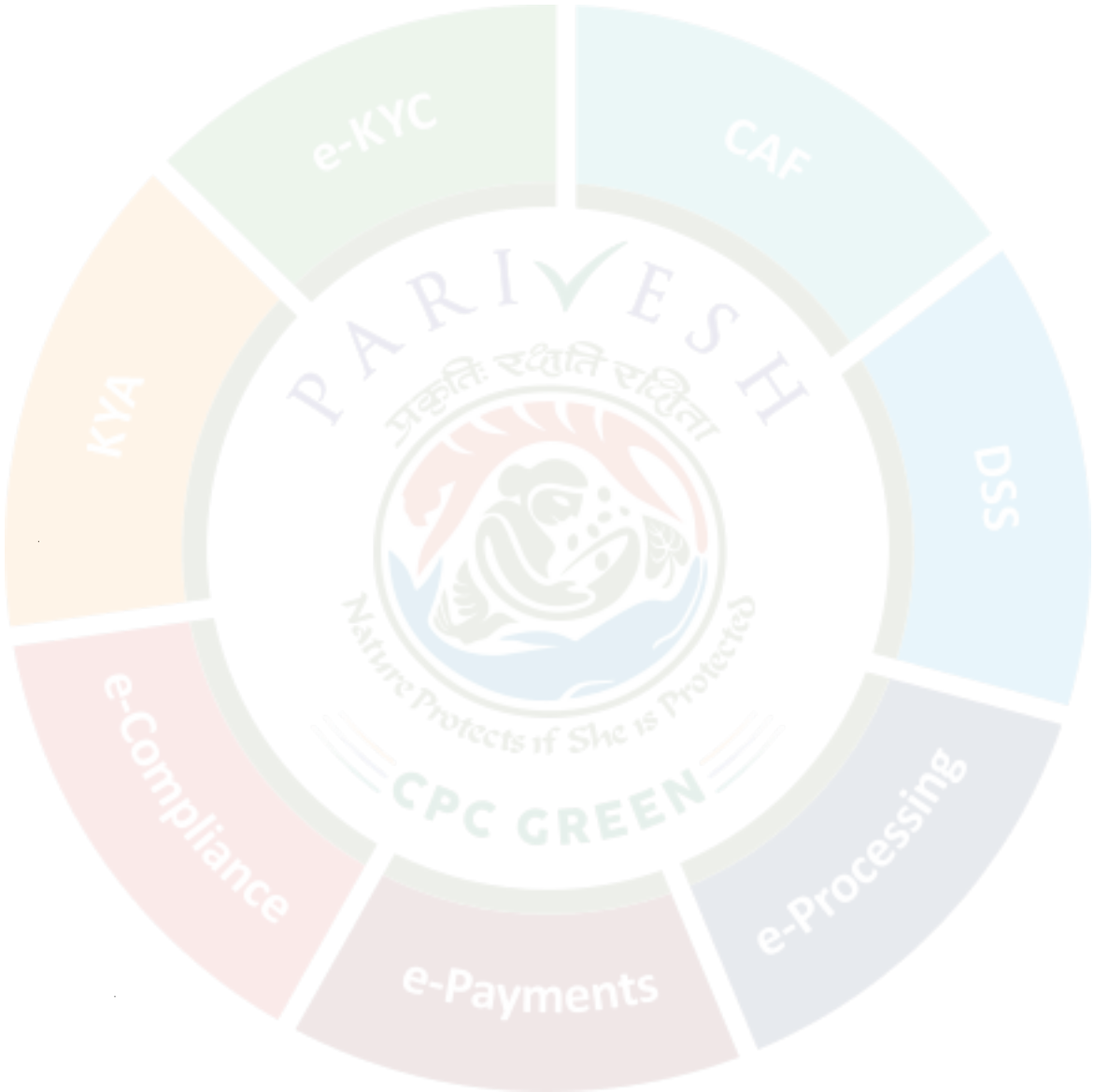
Sd/-
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand

Memo No : **EC/SEIAA/2024-25/3292/2024/** 388 Dated: 06/12/2024

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



Signature Not Verified

Digitally Signed by : Shri Ashok Kumar
Member Secretary, SEIAA

Date: 13/12/2024