



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834 004

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Letter No.-EC/SEIAA/2023-24/2878/2023/

Ranchi, Date:

To: **M/s ASLE Rolling Mills Pvt. Ltd.,
Shri Bipin Srivastava,
Plant Head,
At M-9, 15 & 16 Phase – VI,
Tata Kandra Road, Beco More, P.O. : Gamharia,
District : Saraikela-Kharsawan, Jharkhand – 832108.**

Sub: Prescribing of ToR to “Expansion of existing Rolling Mill from Production Capacity of TMT Bars – 29,000 TPA to TMT Bars & Rolled Products – 2,00,000 TPA with Coal / Oil Fired Re-heating Furnace & Coal Pulverizer by M/s ASLE Rolling Mills Pvt. Ltd., Mauza : Manjhiladih, Thana no. : 267, Thana : Giridih, P.O. : Gadi Srirampur, Distt. : Giridih, Jharkhand” (Proposal No. : SIA/JH/IND1/436455/2023) - regarding.

Ref: Your application no.- Nil, dated – 14.07.2023.

Sir,

It is in reference to the project “Expansion of existing Rolling Mill from Production Capacity of TMT Bars – 29,000 TPA to TMT Bars & Rolled Products – 2,00,000 TPA with Coal / Oil Fired Re-heating Furnace & Coal Pulverizer by M/s ASLE Rolling Mills Pvt. Ltd., Mauza : Manjhiladih, Thana no. : 267, Thana : Giridih, P.O. : Gadi Srirampur, Distt. : Giridih, Jharkhand” submitted by you for seeking Terms of Reference (ToR).

This is an expansion project which has been taken for appraisal on 20.07.2023.

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 3 (a) Metallurgical Industries as per EIA Notification, 2006.

The present application is for Expansion of existing Rolling Mill from Production Capacity of TMT Bars - 29,000 TPA to TMT Bars & Rolled Products - 2,00,000 TPA With Coal/Oil Fired Re-heating Furnace & Coal Pulverizer by M/s. ASLE Rolling Mills Private Limited (a wholly owned subsidiary co. of ASL Enterprises Ltd.)

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Background of the project:

- The existing unit was established by **M/s Adi Ispat Pvt. Ltd.** after obtaining Consent to Establish (CTE) vide Ref. No. 3368, dated 28.09.07 from JSPCB For M.S. Ingot – 60 TPD and Rolled Sections and TMT Rods 100 TPD, and application was made for obtaining the Consent to Operate (CTO).
- M/s Adi Ispat Pvt. Ltd. was auctioned by the State Bank of India, Giridih Jharkhand, as per the NCLT, Kolkata Bench order dated 21.09.2021.
- The Unit was purchased and acquired by **M/s ASL Enterprises Limited** on 20th March 2023. The unit is located at Mauza – Manjhiladih, Thana No. 267, P.O.- Gadi Srirampur, District- Giridih, Jharkhand.
- CTO in the name of M/s ASL Enterprises Limited has been obtained from JSPCB vide Ref. No. JSPCB/HO/RNC/CTO-15745512/2023/1164, dated 29.06.2023, but operation of plant not yet started.
- Meanwhile, M/s ASL Enterprises Limited has transferred the unit to **M/s ASLE Rolling Mills Pvt. Ltd.** (a Wholly owned subsidiary Co. of ASL Enterprises Ltd.) as per Board Resolution dated March 21, 2023, the extract of same as below:

“RESOLVED THAT, Pursuant to the provisions of Section 180 (1)(a) of the Companies Act, 2013 read with Rules made thereunder and subject to the approval of the shareholders of the company, consent of the Board be and is hereby accorded to transfer assets of the Company, situated at Majhiladih, Gadi Srirampur, Dist. Giridih-815301, Jharkhand to M/s ASLE Rolling Mills Private Limited (a wholly owned subsidiary of ASL Enterprises Ltd.) for a consideration of Rs. 15,00,00,000/- (Rupees Fifteen Crore only) as a going concern basis with immediate effect and on such terms and conditions as the Board of Directors of the Company consider beneficial to the Company.”

- Application for transfer of CTO in the name of M/s ASLE Rolling Mills Pvt. Ltd. (a Wholly owned subsidiary Co. of ASL Enterprises Ltd.) has been made to JSPCB vide letter dated 11.07.2023.
- Thus, the application for EC has been made in the name of M/s ASLE Rolling Mills Pvt. Ltd. (a Wholly owned subsidiary Co. of ASL Enterprises Ltd.)

M/s ASLE Rolling Mills Pvt. Ltd. is an existing steel plant at Mauza – Manjhiladih, Thana No. 267, P.O.- Gadi Srirampur, District- Giridih, Jharkhand. The total land area is 14.9116 acres, however the area to be utilized for the above-mentioned project is only 13.9063 acres, the land documents for the same including CO Giridih, and DFO Giridih Certificate (in name of Adi Ispat Pvt. Ltd.) incorporating all the khata and plot numbers have been obtained from the concerned authority in the SEIAA format and same submitted in the online EC application.

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Company proposes to modify the existing mill to a High-Speed Rolling Mill with changing the required motors, gears and number of rolls, strands – as per requirement.

The project will procure the raw materials Billets and coal from open market and 4TPH coal pulverizer will be installed for uniform feed to reheating furnace with increased number of burners and rate of fuel charging.

The application for EC is also in compliance to the requirements of EIA Notification (Amendment) number S.O 3250 (E), dated 20.07.2022, regarding obtaining environmental clearance by all the existing rolling mills with capacity greater than 5000 TPA.

Proposed expansion shall be done within the existing plant area of 5.62 ha (13.90 Acres), land details as below:

Khata no.	Plots	Khata no.	Plots no.
56	851, 829, 830, 832, 824, 828, 849	17	746, 845, 844, 849, 834, 831, 821, 825, 731
39	985, 978, 979, 1011, 984, 985	42	813, 723
		36	732
145	856	79	987
68	736, 738, 737, 739, 819 742, 722	30	986, 1012
20	988	77	1013
33	989	133	724
86	846	65	672
99	842	58	855, 820
60	1014, 1015	132	847
18	733	55	818, 811, 812
		75	1010

There are no Biosphere Reserve/ National Park/ Wildlife Sanctuary/ Ecological Sensitive Area within the 10Km radius of the Project Site.

The existing project cost is Rs. 15.00 Crores. The estimated project cost for the proposed expansion is Rs. 33.06 Crores. The total project cost after the expansion will be Rs. 48.06 Crores.12

Employment Generation after the proposed project will be 125 direct employment and approximately 70 - 80 people will be employed during the construction phase and will be recruited from the local villages surrounding the project site.

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The capacity of different existing and proposed units is as follows:

Sl. No	Plant Facilities	Existing Installed Units and Capacity		Proposed Units and Capacity	Total after Expansion	
		Unit	Capacity		Unit	Capacity
1	Rolling Mill	1x5TPH	29,000 TPA TMT Bars	Modernization & expansion for additional 171000 TPA TMT Bars & Rolled Products	1x35TPH	200000 TPA TMT Bars & Rolled Products
2.	Reheating Furnace (Coal/Oil Fired)	1x5TPH	30,000 TPA Heated Billets	To be replaced with new efficient furnace	1x35TPH	208000 TPA Heated Billets
3.	Coal Pulverizer	Producer gas Plant (1x3750 Nm3/hr) Will be dismantled		Addition of 1x4TPH coal Pulverizer	1x4TPH	14560 TPA Pulverized coal
4.	Induction Furnace	1x6 T	60 TPD	Will be dismantled		
		Will not be operated & dismantled				

Presently the unit is having a connected load of 1.0 MVA from DVC. Total power requirement for the project after expansion is envisaged as 3.15 MVA, which will be met from DVC.

The total requirement of makeup water for industrial and domestic purposes after the proposed expansion will be 214 KLD. The water requirement will be met from ground water through bore wells. NOC for the proposed ground water withdrawal will be obtained from CGWA.

Raw material for the plant would be procured from local and other state markets depending upon the quality. The transportation of raw material and the final products will be done through SH-13 that is nearby the project site. Total Raw material requirement after the proposed expansion of plant is given below:

Proposed Rolling Mill: TMT Bars & Rolled Products - 2,00,000 TPA			
Raw Material	Existing requirement	Final Capacity	Source
MS Billets	30,000 TPA	2,08,000 TPA	Giridih, Durgapur, Ramgarh etc.

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Fuel for Reheating Furnace: Coal or Oil			
Coal Or F. Oil	Coal – 2,100 TPA -	Coal – 14,560 TPA Or Oil– 7,280 KL/Year	Imported coal through Haldia port F. Oil local IOCL/HPCL

Raw Materials	Required materials for Per Ton of product	Total Raw materials required After Expansion	Source location & distance	Mode of transportation
M.S. Billets	1.04	208000 TPA	Giridih, Durgapur, Ramgarh area Within 120 Km	Trucks/Trailers
Coal / or Furnace Oil	0.07/0.035 KL	14569 TPA Or 7280 KL	Imported coal via Haldia port – 374 Km F. Oil local market IOCL/HPCL	Covered Trucks Tankers

The proponent has mentioned that there is no court case or violation under EIA Notification to the project or related activity.

Baseline data collection for 3 month (one season) has been carried out from 1st March to 31st May 2023.

STATUTORY CLEARANCES :

1	LOI/Lease docs	:	Land lease deed.
2	CO	:	The CO, Giridih Sadar vide letter no. 747, dated 10.06.2023 has mentioned the plot no. of the project is not recorded as “Jungle Jhari” in R.S. Khatyan & Register II.
3	DFO Wild Life	:	DFO, Wildlife Hazaribag vide letter no. 1159, dated 14.06.2023 certified that the proposed project site is outside Eco Sensitive Zone of Parasnath & Topchanchi Wildlife Sanctuary. Plot no. 824 has not been included in the certificate which is a part of project area. PAs has submitted an affidavit that they will submit a revised certificate from Wildlife DFO, including plot no. 824 which has been left out in the certificate issued vide letter no. 1159,

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			dated 14.06.2023. .
4	DFO Forest Distance	:	DFO, Giridih East Forest Division vide letter no. 2210, dated 05.07.2023 certified that the distance of notified forest is 300 meters from project site.
5	Consent to Operate (CTO)	:	CTO issued by JSPCB vide Ref. no. JSPCB/HO/RNC/CTO-15745512 /2023/1164, dated 29.06.2023.

SEAC, Jharkhand has recommended the ToRs in its 106th meeting held on 18th, 19th, 20th, 21st and 22nd July, 2023 for undertaking detailed EIA / EMP study and SEIAA. Jharkhand has granted the ToRs in its 107th meeting held on 07th & 08th August, 2023. The SEAC has recommended following project specific conditions:

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

A. Specific condition :

- i. Impacts and mitigation measures due to construction and demolition is to be included in EIA report.

B. Standard Terms of Reference

1. Executive Summary

2. Introduction

- i. Details of the EIA Consultant including NABET accreditation.
- ii. Information about the project proponent.
- iii. Importance and benefits of the project.

3. Project Description

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities
- vi. Details of Emission, effluents, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided.
- ix. Hazard identification and details of proposed safety systems.
- x. Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment, Forest and Climate Change as per







OM no. F.no. IA3-22/10/2022-IA.III [E 177258], dated 03th June, 2022 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing / existing operation of the project from SPCB shall be attached with the EIA-EMP report.

- b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification, 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4. Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places).
- iii. Details w.r.t. option analysis for selection of site
- iv. Co-ordinates (lat-long) of all four corners of the site. .
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.







xiii. R&R details in respect of land in line with state Government policy.

5. Forest and Wildlife related issues (if applicable):

- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
- ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha)
- iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon
- v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
- vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6. Environmental Status:

- i. Determination of atmospheric inversion level at the project site and site-specific micro- meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF & CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF & CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.







- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

7. Impact and Environment Management Plan:

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control.
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle / reuse / recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 2500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- x. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground







water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

- xi. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xii. Action plan for post-project environmental monitoring shall be submitted.
- xiii. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

8. Occupational health:

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

9. Corporate Environment Policy:

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
- iii. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- iv. Does the company have 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? This reporting mechanism shall be detailed in the EIA report

10. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.







11. Enterprise Social Commitment (ESC)

- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
12. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
13. A tabular chart with index for point wise compliance of above TOR.

A. SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR METALLURGICAL INDUSTRIES (FERROUS & NON FERROUS)

1. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
2. Details on blast furnace/ open hearth furnace/ basic oxygen furnace/ladle refining, casting and rolling plants etc.
3. Details on installation/activation of opacity meters with recording with proper calibration system
4. Details on toxic metals including mercury, arsenic and fluoride emissions
5. Details on stack height requirement for integrated steel
6. Details on ash disposal and management -Non-ferrous metal
7. Complete process flow diagram describing production of lead/zinc/copper/ aluminium, etc.
8. Raw materials substitution or elimination
9. Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation
10. Details on Holding and de-gassing of molten metal from primary and secondary aluminum, materials pre-treatment, and from melting and smelting of secondary aluminium
11. Details on solvent recycling
12. Details on precious metals recovery
13. Details on composition, generation and utilization of waste/fuel gases from coke oven plant and their utilization.
14. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
15. Trace metals Mercury, arsenic and fluoride emissions in the raw material.
16. Trace metals in waste material especially slag.
17. Plan for trace metal recovery
18. Trace metals in water.







B. Other

1. 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.
2. 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.
3. 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/2023-24/2878/2023/215

Dated: 11/08/2023

Copy to:

1. Member Secretary, Jharkhand State Pollution Control Board, Ranchi for information and necessary action.
2. Secretary, SEAC, Jharkhand, Ranchi for information and necessary action.

11/08/2023
Member Secretary

State Level Environment Impact
Assessment Authority, Jharkhand.

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