State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834 004
E-mail: msseiaa.jhk@gmail.com / chr-seiaajhr@gov.in
website: www.jseiaa.org

सत्यमेव जयते

Letter No.-**EC/SEIAA/2021-22/2437/2021** Ranchi, Date:

Sub: Prescribing of ToR to **"Expansion & Modernization for enhancing the production of 60,000 TPA ingots to 1,48,500 TPA Billets, TMT Bar / Rods from 21,349 TPA to 2,37,600 TPA and increase installed capacity of reheating furnace and slag crusher of M/s Atibir Hi-Tech Private Limited at Village : Mohanpur, Tehsil : Giridih, Dist. : Giridih, Jharkhand (Proposal No. SIA/JH/IND/66100/2021) - regarding.**

Ref: Your application no.- AHPL/EC/rpc, dated – 28.09.2021.

It is in reference to the project **"Expansion & Modernization for enhancing the production of 60,000 TPA ingots to 1,48,500 TPA Billets, TMT Bar / Rods from 21,349 TPA to 2,37,600 TPA and increase installed capacity of reheating furnace and slag crusher of M/s Atibir Hi-Tech Private Limited at Village : Mohanpur, Tehsil : Giridih, Dist. : Giridih, Jharkhand"** submitted by you for seeking Terms of Reference (ToR).

This is an expansion & modernization project which has been taken for appraisal on 22.10.2021.

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 (Ferrous & Non-Ferrous) as per EIA Notification, 2006.

M/s Atibir HiTech Private Limited (AHTPL) is an existing steel plant at Village – Mohanpur, PO – Udnabad, District -Giridih, Jharkhand.

Atibir Hi-Tech Private Limited was incorporated on 24th August 1994 under Registrar of Companies; Bihar, vide incorporation certificate No. 03-06200 of 1994-95 (CIN-U37100WB1994PTC134781).

Company obtained NOC from Bihar State Pollution Control Board (BSPCB) for the establishment of Rolling Mill of capacity 15 TPD dated 21.01.1997. Later company obtained NOC from BSPCB vide Ref. No. T-4512, dated 23.10.2000 for expansion of rolling capacity to 35 TPD and vide Ref. No. T-4513, dated 23.10.2000 for 200 TPD MS Ingots production through 2x8T & 1x6T Induction Furnace along with 1x5TPH slag crusher unit. Company has obtained current Consent to Operate (CTO) from the JSPCB vide ref No. JSPCB/HO/RNC/CTO-

9102932/2021/770, dated 12.06.2021, valid upto 31.03.2026 for the 21.349 TPA MS Bar, coils & MS Rods and 200 TPD M.S. Ingots.

Company now proposes to obtain Fresh Environmental Clearance for enhancing the production of TMT bars/Rods from 21.349 TPA to 237.600 TPA through modernization of its existing Re-Rolling Mill from 9TPH to 50TPH capacity along with replacement of existing 1x10TPH Reheating Furnace by 1x30TPH Reheating furnace and also for production of 148.500 TPA MS Billets by replacing the existing (2x8T & 1x6T) Induction Furnace by 3x15T induction Furnace along with installation of new 3x2strand CCM and modernization of existing slag crusher from 5TPH to 10TPH capacity. M/s Atibir Hi-Tech Private Limited has proposed for expansion of its existing plant by modernizing and expansion of facilities in the total plant area of 4.2Ha (10.38Acres).

Cost of the existing facilities is Rs. 16.5866 Crs. The estimated cost of the project after the proposed expansion will be Rs. 51.4966 Crs.

Salient Features of the project :

<table>
<tr><th>Sl. No.</th><th>Particulars</th><th>Details</th></tr>
<tr><td>1.</td><td>Project name</td><td>Expansion & Modernization of Atibir Hi-Tech Private Limited for enhancing the production of TMT Bar/Rods from 21.349 TPA to 237.600 TPA</td></tr>
<tr><td>2.</td><td>Location of the Project</td><td>Village- Mohanpur, PO- Udnabad, and District- Giridih in the state of Jharkhand</td></tr>
<tr><td>3.</td><td>Khata No. & Plot No.</td><td>
<table>
<tr><th>Khata No.</th><th>Plot No.</th></tr>
<tr><td>68</td><td>1526, 1527, 1528, 1529, 1532, 1533 & 1536</td></tr>
<tr><td>27</td><td>1552</td></tr>
<tr><td>57</td><td>1554</td></tr>
<tr><td>51</td><td>1553</td></tr>
<tr><td>78</td><td>1551</td></tr>
<tr><td>55</td><td>1550</td></tr>
<tr><td>73</td><td>1555</td></tr>
<tr><td>109</td><td>1524</td></tr>
<tr><td>49</td><td>1546</td></tr>
<tr><td>32</td><td>1549</td></tr>
<tr><td>75</td><td>1556</td></tr>
<tr><td>12</td><td>1547</td></tr>
<tr><td>47</td><td>1467</td></tr>
<tr><td>41</td><td>1463, 1464</td></tr>
<tr><td>85</td><td>1459</td></tr>
<tr><td>72</td><td>1557</td></tr>
<tr><td>88</td><td>1548</td></tr>
</table>
</td></tr>
</table>

		109	1524
		89	1523
4.	Topo-sheet Nos.	72 L/8	
5.	Latitude	24° 08' 09.30"N	
6.	Longitude	86° 21' 16.39"E	
7.	Area of the Plant	Ha (10.38 Acres)	
8.	Existing Units	Induction Furnace- 2x8T & 1x6T Slag Crusher- 1x5TPH Rolling Mill- 1x9TPH Reheating Furnace- 1x10TPH	
9.	Production as per the existing capacity	MS Ingots- 60,000 TPA TMT Bar/ Rods- 21,349 TPA	
10.	Proposed Expansion	Replacement of existing 2x8T & 1x6T Induction Furnace with 3x15T Induction Furnace Installation of new Continuous Casting Machine- 3x2Strand Modernization of Rolling Mill from 9TPH capacity to 50TPH Replacement of 1x10TPH Reheating Furnace with 1x30TPH Reheating Furnace Modernization of existing Slag crusher from 1x5TPH to 1x10TPH capacity	
11.	Production Capacity after the expansion	MS Billets- 148,500TPA TMT Bar/Rods- 237,600TPA	
12.	Cost of the proposed expansion	Total after expansion- Rs. 51.4966Crs.	
13.	Manpower Requirement	Total after expansion- 300	
14.	Requirement of Water	Total 290 m^3/day after Expansion. Source: Groundwater	
15.	Requirement of Power and Fuel	Total 15MVA after expansion Source: DVC DG set 1x500KVA has been installed and additional 1x1000KVA will be installed for expansion.	

Configuration and Production Capacities of the existing & Proposed Units :

Sl. No	Plant Facilities	Existing Configuration	Proposed New Configuration	Final Production Capacity (TPA)
1	Induction Furnace	60,000 TPA	148,500 TPA	MS Billets

		MS Ingots (2x8T & 1x6T) Will be replaced	MS Billets (3x15 T)	148.500 TPA
	Continuous Casting Machine	-	3 x 2 strand (for 148.500 TPA)	
2	Rolling Mill	21.349 TPA (1x9TPH) Will be modernized	237.600 TPA (1x50TPH)	Roll Products (TMT Bars/Rods etc.) 237.600 TPA
3	Re-heating Furnace	1x10 TPH (max. 22.500 TPA) Will be replaced	1 x 30 TPH (max. 99.000 TPA)	Re-heated billets (for rolling) 99.000 TPA
4	Slag Crusher	1x5 TPH (max. 16.500 TPA)	1x 10TPH (max. 33.000 TPA)	Crushed Slag 33.000 TPA

Raw Material details:

Raw Materials	**Total after Expansion**
For Steel Melt Shop	
Sponge Iron	118800
Pig Iron	44550
Purchased + Return Scrap	22275
Ferro-alloy	297
Total	**185922**
For Rolling Mill	
Hot Billets/M.S. Billets	**242,352 TPA**
Fuel for Reheating Furnace	
Coal/Furnace Oil	6.580 TPA or 3.300 KL per year

Pollution Control Equipment:

Section	**Source of Pollution**	**Pollutants**	**Air pollution control Measures**
Induction Furnace & CCM	Charging of raw materials in Furnace, Melting in Induction Furnace and Continuous Casting	Particulate matter, Fumes and gases	Fume extraction system with spark arrestor and Bag Filter.
Rolling Mill	Re-heating furnace	Particulate matter.	Fume extraction

& Re-heating furnace	charging and use of Coal/Furnace Oil	Fumes and gases	system with Bag Filter.
Over all Plant area	Open space	Fugitive dust emission	Pucca roads within the premises, water sprinkling in dusty areas and green belt/green cover to arrest the fugitive dust emission.

Connectivity :

Site Location	Village- Mohanpur, PO- Udnabad, District- Giridih in the state of Jharkhand
Height above MSL	281 meters
Road Connectivity	The site is connected to SH- 13 (connecting Koderma - Giridih – Tundi – Govindpur Marg) at a distance of 0.15 km, which connects by pucca road.
Rail Connectivity	Giridih Station is at 6.50km in North direction from project site
Nearest Airport	Ranchi Airport, Jharkhand (140 kms) in SW
Nearest River	Usri River at 1.58 km in East direction Barakar river at 8.98kms in South direction

Land Use :

SL No	TYPE OF USE	AREA (acres)	AREA (ha)
1	Production & Allied facilities	2.40	0.97
2	Admin Building, Stores, Temple etc.	0.20	0.08
3	Entrance, Roads and Pavements	1.20	0.49
4	Storage yard, vacant area etc.	2.42	0.98
5	Water complex & RWH pond	0.70	0.28
6	Green Belt	3.46	1.40
	TOTAL	**10.38**	**4.20**

STATUTORY CLEARANCES :

1	CO	:	The CO, Giridih Sadar vide letter no. 1093, dated 08.09.2021 has mentioned the plot nos. of the project is not recorded as "Jangle Jhari".

2	DFO Wild Life	:	DFO. Wildlife Hazaribagh vide letter no. 1674. dated 06.09.2019 certified that the National Park & Wildlife Sanctuary is not within 10 km from project site and proposed project is not situated in any ESZ.
3	DFO Forest Distance	:	DFO. Giridih East Division vide letter no. 2103. Dated 31.08.2018 certified that the distance of notified forest is 528 m from proposed project site.

SEAC. Jharkhand has suggested the ToRs in its 92nd meeting dated 20th. 21st. 22nd & 23rd October. 2021 and SEIAA. Jharkhand has approved the ToRs in its 93rd meeting held on 26th. 27th & 28th October. 2021.

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

A. Standard Terms of Reference

B. The project Authority has to be developed a model of *"MIYAWAKI METHOD OF AFFORESTATION"* with the help of indigenous species in 1 Acre of land from their proposed green belt area.

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 and Forests as per circular dated 30th May. 2012 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 NAQQM 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 1,500 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 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 heath 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.

C. 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

D. ADDITIONAL TOR FOR INTEGRATED STEEL PLANT

1. Respirable Suspended particulate matter (RSPM) present in the ambient air must be analyzed for source analysis - natural dust/RSPM generated from plant operations (trace elements). The RSPM shall also be analyzed for presence of poly-aromatic hydrocarbons (PAH), i.e. Benzene soluble fraction, where applicable. Chemical characterization of RSPM and incorporating of RSPM data.

2. All stock piles will have to be on top of a stable liner to avoid leaching of materials to ground water.
3. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
4. Plan for slag utilization
5. Plan for utilization of energy in off gases (coke oven, blast furnace).

E. 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 would be valid for a period of three years for submission of the EIA / EMP reports, as per the O.M. No. J-11015/109/2013-IA.II(M) , dated 12.01.2017.

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

Memo No.-**EC/SEIAA/2021-22/2437/2021/199**, Dated: 30.10.2021.

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.

Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand