F. No. J-11011/215/2016-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

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Dated: 7th August, 2019

To

Shri Alok Rungta,
Owner,
M/s. MAA Chhinnmastika Cement and Ispat Private Limited,
Village Hehal, P.O. Barakhana,
District Ramgarh,
Jharkhand.

Tel: 8989500578.; E-mail: ramgarhjh@rediffmail.com

Subject: Expansion of Sponge Iron plant to Mini Steel Plant for production of 67,500 TPA Rolled Product by installation of 2x12 Ton Induction Furnace with Billet Caster, Iron Ore Crushing & Beneficiation by **M/s. Maa Chhinnmastika Cement &Ispat Pvt. Ltd.** located at Village Hehal, P.O. - Barkakhana, Dist.- Ramgarh, **Jharkhand - Environment Clearance – regarding.**

1. This refers to the application of M/s. Maa Chhinnmastika Cement &Ispat Pvt. Limited made vide online proposal no. IA/JH/IND/84413/2004 dated 10th January, 2019 along with copies of EIA/EMP report and Form – 2 seeking Environmental Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. The proposed project activity is listed at Sl. No. 3(a) Metallurgical Industries (Ferrous and Non-ferrous) under Category "A" EIA Notification, 2006 and the project is appraised at the Central level.

2. The proposal cited above was considered during the 4th meeting of Re-Constituted Expert Appraisal Committee [EAC] (Industry-I) held on 20-22nd February, 2019 and further reconsidered in the 7th meeting of Re-Constituted Expert Appraisal Committee [EAC] (Industry-I) held on 29-31st May, 2019. The EAC proceedings of the proposal cited above is given as below.

Details submitted by the project proponent:

3. The proposed expansion project of M/s. Maa Chhinnmastika Cement and Ispat Private Limited is located at Village: Hehal, P.O.: Barkakana, District: Ramgarh, Jharkhand initially applied in the Ministry on 09.06.2016 for obtaining Terms of Reference (ToR) as per EIA Notification, 2006. The project was appraised by the Expert Appraisal Committee (Industry-1) during its 8th meeting held on 27-28th June 2016. Accordingly, the Ministry of

Environment, Forest & Climate Change (MoEF&CC had prescribed ToR to the project on 11.08.2016 vide Lr.No. J-11011/215/2016-IA.II(I).

4. The project of M/s. Maa Chhinnmastika Cement and Ispat Private Limited located in Village: Hehal, P.O.: Barkakana, District: Ramgarh, Jharkhand is for setting up of a new units; Steel Making Shop for production of 72000 TPA Billets, Rolling Mill for production of 67,500 TPA rolled products, Iron Ore Crushing & Beneficiation Plant of capacity 1,67,300 TPA throughput, Briquette Plant of capacity 27,000 TPA, Slag Crushing Plant for SMS Slag of capacity 12,000 TPA along with 15 MW Captive Power Plant. The existing project of DRI unit with for production of 90,000 TPA sponge iron through 3x100 TPD DRI Kiln was installed after getting NOC vide letter No. N-502 dated 16.09.2005 and subsequently CTO from JSPCB. The compliance of CTO was submitted to Jharkhand State Pollution Control Board (JSPCB), Ranchi. The proposed capacity for different products for site area as below:

Name of unit	No. of units	Capacity of each Unit	Production Capacity(TPA)
Existing Units			
Sponge Iron Unit	3 DRI Kilns	100 T	90,000
Proposed Units			
Steel Making Shop, Induction Furnaces and Billet Caster	2	12 T	72,000
Rolling Mill – TMT Rebar Mill	15 Stand Mill with Direct Hot Charging	225 T	67,500
Power Plant Waste Heat Boilers AFBC Boiler	3 1	3 x 2 MW 1 x 9 MW	15MW
Iron Ore Crushing & Beneficiation Plant	Single stream (throughput)	80 – 100 TPH	167,300
Briquette Plant	1	90 TPD	27,000
Slag Crushing Plant for SMS Slag	Single stream	5 TPH	12,000

5. No additional land shall be required for the project. The project shall be installed within existing plant area of 12.42 Ha. No forest land is involved. It has been reported that no water body exist around the project and modification/diversion in the existing natural drainage pattern at any stage has not been proposed.

6. The topography of the area is Gently undulating and reported to lies between 23° 36' 57.25" to 23° 37'16.62" N Latitude and 85° 25' 30.31" to 85° 25' 52.79" E Longitude in Survey of

India topo sheet 73 E/6 & 73 E/10 at an elevation of 260 m AMSL. The ground water table reported to ranges between 1.6 to 5.9 mbgl during the post-monsoon season and 2.25 to 11.19 mbgl during the pre-monsoon season.

7. No national park/wildlife sanctuary/biosphere reserve/tiger reserve/elephant reserve etc. are reported to be located in the core and buffer zone of the project. The area also does not report to form corridor for Schedule-I fauna. List of flora & fauna issued by Ramgarh Forest Division mentions that there are no endangered flora and fauna or Schedule-1 species in the region.

8. The process of project showing the basic raw material used and the various processes involved to produce the final output, waste generated in process are given as below:
Basic Raw Material Used

S.No.	Raw Material	Quantity (TPA)	Source	Transport	
				Rail	Road
1	Iron Ore	167300	Kaliga Mining Corporation, Odisha Kamaljeet Singh Ahuwalia, Odisha Kay Pee Enterprise, Odisha Serajuddin & Company, Odisha Tarini Mineral Pvt. Ltd., Odisha Indrani Patnaik, Odisha	Odisha to railway siding of Barkakhana, Bhurkunda – approx. 350 km	Railway siding to plant site – 7 km
2	Coal (Central Coal fields Ltd.)	189000	Ashoka, Jharkhand Piparwar, Jharkhand Amrapali, Jharkhand Magadh, Jharkhand	--	Jharkhand to plant site -80 km
3	Dolomite	23000	Jai Maa Bhagabati Enterprise, Jharkhand	--	Jharkhand to plant site-60 km
4	Pig Iron / Scrap	14200	Electrosteels Ltd, Bokaro, Jharkhand Atibir Industries Company Ltd., Giridih, Jharkhand Tata Steel, Jamshedpur	--	Jharkhand to plant site -150 km

Process involved

Iron Ore Beneficiation, Briquette Plant, Sponge iron production through Coal based DRI Kiln (Existing), Billet Production through Induction Furnace & Billet Caster, Rolling of Billet in Rolling Mill for TMT Bar production and generation of 15 MW Power through 3 nos. of WHRB and 1 no. of AFBC Boiler.

Waste Generated in process (Unit - TPA)

Item	Generation	Utilization	
		Recycled / Reused	Sold
Power Plant			
Fly-Ash	18,000	-	18,000
Bottom Ash	7,000	--	7,000
Coal Fines	7,000	7,000	
Steel Making Shop			
Bag Filter Dust	2,200	2,200	--
Slag	13,200	1,320	11,880
Scale from Billet Caster	350	350	--
Rolling Mill			
Mill Scale	1,150	1,150	--
Iron Ore beneficiation plant			
Iron Ore fines	21,500	21,500	
Tailing waste (cake from Press Filter)	1,800	-	--
Total	**72,200**	**33,520**	**36,880**

9. The targeted saleable capacities of the TMT Bar, Billet and Sponge Iron will be 67,500 TPA, 1,500 TPA and 16,500 TPA respectively. The Iron ore for the plant would be procured from West Singhbhum, Barbil and other places of Jharkhand. The raw material transportation will be done through rail and road.

10. The water requirement of the project is estimated at 2080 m^3 /day will be met from Damodar River. Central Water Commission, DVRR Unit vide their letter dated 16.03.19 granted concurrence for drawl of 0.51 MGD water per year from Damodar River at Changarha, Barkakhana, Ramgarh.

11. The power requirement of the project is estimated 15 MW out of which 13.5 MW will be obtained from the Captive power plant and remaining balance power of 1.5 MW will be sourced from the Power Grid.

12. Baseline Environmental Studies were conducted during Post Monsoon Season i.e. from 01.10.2016 to 31.12.2016. Ambient air quality monitoring has been carried out at 8 locations during study period indicates: PM_{10} (45.20 to 96.40 µg/m^3), $PM_{2.5}$ (27.60 to 57.70 µg/m^3), SO_2 (7.7 to 16.10 µg/m^3) and NOx (22.10 to 27.90 µg/m^3). The results of the modeling study indicate that the maximum increase of GLC for the proposed project is 6.87 µg/m^3 with respect to the PM_{10}, 22.96 µg/m^3 with respect to SO_2 and 2.99 µg/m^3 with respect to the NOx.

13. Ground water quality has been monitored in 8 locations in the study area and analyzed. pH: 7.27 to 8.04, Total Hardness: 187.05 to 328.78 mg/l, Chlorides: 64.16 to 139.26 mg/L, Fluoride: 0.88 to 1.32 mg/L. Heavy metals are within the limits. Surface water samples were analyzed from 2 locations. pH: 7.78 to 7.80, DO: 5.5 to 5.9 mg/l and BOD: 11.60 to 13.09 mg/l. COD from 48.73 to 50.10 mg/l.

14. Noise levels are in the range of 52.18 to 55.36 dB(A) for day time and 40.16 to 44.84dB(A) for night time.

15. It has been reported that there are no people in the core zone of the project has been displaced. No R&R is involved.

16. It has been reported that a total of approx. 72,200 TPA waste will be generated due to the project, out of which 33,520 TPA will be reused and 36,880 TPA remaining will be sold. It has been envisaged that an area of 4.36 ha will be developed as green belt around the project site to attenuate the noise levels and trap the dust generated due to the project development activities.

17. It has been reported that the latest Consent to Operate from the Jharkhand State Pollution Control Board was obtained vide Lr. No JSPCB/HO/RNC/CTO-2204067 /2018/958 dated 06.06.2018 and consent is valid up to 31.12.2022.

18. The Public hearing of the project was held on 30.01.2018 at Rajkiyakrit Utkramit Madya Vidyalaya Village-Hehal, Sub Division: Patratu, P.O.- Barkakana, District-Ramgarh Jharkhand under the chairmanship of Mrs. Jyotsana Singh (Director-DRDA Ramgarh, an ADM Rank officer) for the expansion proposal.

19. The capital cost of the project is Rs 161.42 crores (including 1.45 Crs. for CER) and the capital cost for environmental management is proposed as Rs 962 Lakhs. The annual recurring cost towards the environmental management is proposed as Rs 101.40 Lakhs/year. The employment generation from the proposed project/expansion is 396. An amount of Rs 145 Lakhs (0.75% of Project cost) has been earmarked for CER based on public hearing issues and need based assessment. The detailed breakup of the activities is given as below:

Sl. No.	Area of Concern	Name of the Village Represented in PH / SIA	Action Plan	Budget Allocated (in Lakhs)	Time Frame for Implementation from the date of EC
1	Drinking Water	Hehal Chaingara Masmohna Durgi Barkakana	Installation of 4 nos. of Hand Pumps in each of Hehal, Chaingara, Masmohna, Durgi and Barkakana Villages = Rs.10 lacs Installation of Rain Water Harvesting in 5 villages = Rs 5 lacs. Construction of Ponds in 5 villages - Estimated Cost- Rs 20 lacs	35	1 year
2	Health Care	Hehal Chaingara Masmohna Durgi Barkhakhana	Ambulance 24x7 for 5 villages = (20 Lakhs + Misc. 2 lacs) = 22 lacs Up gradation of local PHC (Chaingara PHC and Hehal PHS) by providing	30	3-6months

Sl. No.	Area of Concern	Name of the Village Represented in PH / SIA	Action Plan	Budget Allocated (in Lakhs)	Time Frame for Implementation from the date of EC
			equipment and development in infrastructure - 8 lacs		
3	Educational Development	Hehal Chaingara Masmohna Durgi Barkakana Bhurkunda	Construction of Toilets in the following Schools (Rs. 50,000 x 6 Schools + Misc. 1 Lakhs = 4 Lakhs): Primary School Hehal Government Primary School, Masmohna Girls Middle School, Bhurkunda Government School, Barkakana Primary school, Durgi School, Chaingara Sponsoring Computers in Schools of 5 villages = 4 lacs Installation of Water coolers in 6 Schools = 4 lacs Infrastructure (Table, Chair etc.) + educational aids in Schools = 3 lacs	15	1 - 1.5 years
4	Infrastructure Facility	Hehal Chaingara Masmohna Durgi Barkakana Bhurkunda	Construction of approach road from Hehal Village to the Plant = 14 lakhs Installation of Street Lights in 4 Villages = 6 lacs Construction of Nallas for proper drainage in Hehal, Chaingara and Barkakana villages = 15 Lacs	20 15	1-2year 1 year
5.	Employment Opportunity	Hehal Chaingara	Vocational Training Center for Educated youth of villages Short term courses for skill up gradation for villagers	20	1 year
6.	Community Development & Support	Hehal Chaingara Durgi	Distribution of fruit bearing seedlings to the villagers of Hehal village	10	3-6 months
Total				**145**	

20. Greenbelt will be developed in 4.36 Ha which is about 35.1% of the total acquired area. A 10 m wide greenbelt, consisting of at least 3 tiers around plant boundary will be developed as greenbelt and green cover as per CPCB guidelines. Local and native species will be planted with a density of 2500 trees per hectare. Out of 4.36 ha. area earmarked for greenbelt development, at present 5000 nos. of trees have already been planted in 2.24 ha. area. Additionally, 6000 trees shall be planted covering area more than 2.12 Ha.

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

22. Name of Environment Consultant – **M/s. Vardan Environet, Gurgaon** [S.No. 156, List of QCI Accredited Consultant Organizations (Alphabetically) Rev. 73, February 08, 2019].

Recommendations of the EAC

23. The proposal cited above was considered during the 4th meeting of Re-Constituted Expert Appraisal Committee [EAC] (Industry-I) held on 20-22nd February, 2019 and further reconsidered in the 7th meeting of Re-Constituted Expert Appraisal Committee [EAC] (Industry-I) held on 29-31st May, 2019. After detailed deliberations, the Committee recommended the project cited above for grant of environmental clearance under the provisions of EIA Notification, 2006 subject to environmental safeguards.

Decision of MoEF&CC

24. The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant Environmental Clearance for project cited above under the provisions of EIA Notification, 14th September, 2006, as amended, subject to strict compliance of the following Specific and General Conditions:

A. Specific conditions

i. Particulate matter in the Stack emissions shall not exceed 30mg /Nm^3.

ii. Water for its plant operations shall be sourced by the project proponent from Damodar River, and no ground water shall be abstracted by them.

iii. Project proponent shall undertake rain water harvesting and recharge, and the quantum of water so channelized shall be more than the water consumption in the project area.

iv. The CER activities shall be implemented within a period of 3 years utilizing the earmarked funds of Rs.1.45 crores.

B. General conditions

I. Statutory compliance:

i. 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.

ii. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.

iii. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

iii. The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.

iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality / fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.

vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.

vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.

viii. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.

ix. The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.

x. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.

xi. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.

xii. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation

i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.

iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

iv. Adhere to 'Zero Liquid Discharge'.

v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.

vi. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.

vii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off

viii. The projectproponent shall practice rainwater harvesting to maximum possible extent.

ix. The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention

i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures

i. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.

ii. Practice hot charging of slabs and billets/blooms as far as possible.

iii. Ensure installation of regenerative type burners on all reheating furnaces.

iv. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.

v. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management

i. Used refractories shall be recycled as far as possible.

ii. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces

iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.

iv. The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.

VII. Green Belt

i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant

ii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

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.

vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

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; PM_{10}, SO_2, NOx (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 proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

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/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

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 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 Transboundary 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.

25. This issues with the approval of the Competent Authority.

(A.K. Agrawal)
Director

Copy to:-

1. The Secretary, Department of Environment, Government of Jharkhand, Secretariat, Ranchi.
2. The Additional Director General (C), Ministry of Environment and Forest, Regional Office (ECZ), Bungalow No. A-2, Shyamali Colony, Ranchi-834002.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Chairman, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), HEC Campus, P.O. Dhurwa, Ranchi - 834004, Jharkhand.
5. The Member Secretary, Central Ground Water Authority, West Block –II, Wing -3, Sector I, R.K.Puram, New Delhi – 110086.
6. The District Collector, Ramgarh District, Jharkhand.
7. Guard File / Record File / Monitoring File.
8. MoEF&CC Website.

(A.K. Agrawal)
Director