State Environment Impact Assessment Authority, M.P.

(Ministry of Environment, Forest and Climate Change, Government of India)

Environmental Planning & Coordination Organization

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सत्यमेव जयते

No.: 2412 /SEIAA/19
Date: 25.9.19

To,
Vice President & Corporate Head-Environment,
M/s Ultra Tech Cement Ltd.,
Ahura Centre, 1st Floor, A-Wing,
Mahakali Caves Road, Andheri (E)
Mumbai-400093

Sub:- Case No. 5765/2018 Prior Environment Clearance for proposed enhancement in capacity of Captive Power Plant from 25 MW to 28 MW, at Village J.P. Puram Bela, Tehsil Huzur, District Rewa (MP) by M/s Ultra Tech Cement Ltd., Ahura Centre, 1st Floor, A-Wing, Mahakali Caves Road, Andheri (E) Mumbai-400093. E-mail: kvijender.reddy@adityabirla.com Envt. Consultant: J.M. Enviro Net Pvt. Ltd.Gurgaon Haryana

Ref: Your application dated 06.10.18 received in SEIAA office on 08.10.2018.

With reference to above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendment, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt and additional clarifications furnished in response to the observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

i. M/s. UltraTech Cement Ltd (UTCL), Unit – Bela Cement Works, has an existing Integrated Cement Plant, which is under operation since 1996 with Cement capacity of 2.5 Million TPA located at Village – Madheypur, PO - Jaypee Puram, District-Rewa (MP).

ii. This is an existing Captive Power Plant located within the Bela Cement plant premises which in operation since 2004 to fulfilling the power requirement of the existing Integrated Cement Plant (Bela Cement Works). PP has obtained Consents as follows:-

S. No.	Particular	Letter No & Date
1	CTE in favor of M/s. Jaiprakash Associated Ltd (25 MW)	14.05.2004
2.	CTO in favor of M/s. Jaiprakash Associated Ltd (25 MW)	05.02.2005
3.	CTE in favor of UTCL (25 MW)	15.01.2018 (Valid up to 26.12.2022)
4.	CTO in favor of UTCL (25 MW)	22.09.2018 (Valid upto 31.12.2018)

iii. Now M/s UTCL is going for a minor capacity enhancement from 25 to 28 MW by way of process optimization and debottlenecking of the project without any new additional installation.

iv. There will be no change in Plant area, water requirement, fuel requirement, man power requirement, Capacity enhancement due to debottlenecking & process optimization, Present Power requirement of plant is being fulfilled CPP located within existing cement plant by State grid, Now enhancement in power generation capacity of CPP from 25 MW to 28 MW is proposed to increase optimum capacity utilisation of existing plant machineries.

v. There is no National park / Sanctuaries, Eco-sensitive areas,(DFO letter dtd. 14.05.13) critically polluted areas and inter-State boundaries within 10 km of the proposed site, hence, general conditions are not attracted as per EIA Notification 2006 & its amendments..

vi. The project is covered under category B Project Activity 1(d) of the EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533 (E), dtd. September 14, 2006 & its amendments.

vii. The total plant area is 4.205 ha. This is an existing Captive Power plant and enhancement in production capacity of Captive power plant is (from 25 MW to 28 MW) is proposed within the existing Plant area. Therefore, no additional land is required. Earlier the land is the name of Jaiprakash Associates Ltd. & Jaypee Cement Corporation Ltd. Now the total Land is under possession of UTCL (Unit: Bela cement works). Regarding land documents PP has submitted Transfer of land order dtd. 02.03.2017 issued from National Law Tribunal Bench: Allahabad under Section 391/394 of the companies Act,1956.

viii. Major raw material for thermal power generation is Coal. There will be no additional requirement of coal as existing specific steam consumption for 112.5 Tone of steam is 4.5 /MW. Now if reduce the specific steam consumption to 4.0 / MW then it will result in the power generation of 28 MW with the same amount of steam consumption i.e, 112.5. Therefore no Additional Fuel or Raw Material is required for the proposed enhancement in the production capacity. For fulfill the fuel requirement PP has submitted registered agreement dtd 02.03.19 executed between M/s Northern Coalfields Ltd. and M/s Ultratech Cement Ltd.

S. No	Particulars	Existing Requirement	Source	Remark
1.	Water Requirement (KLD)	160	Rainwater harvested in Mine Pit	No Change
2.	Manpower Requirement	70	Existing Manpower	No Change
3.	Fuel Requirement Coal (MT/Day)	513	Fuel Supply agreement/ Open market	No Change
4.	Limestone (MT/Day)	50	Captive Limestone Mines	No Change

ix. PP has requested for the Exemption of Public Hearing and also submitted justification for this. The same was considered in 383rd SEAC meeting dtd. 10.07.19 and recorded that:-

- *This is an Existing Captive Power Plant (CPP) installed within the existing Cement plant premises of UltraTech Cement Limited (Unit: Bela Cement Works).*

Bela Cement Works was established in 49.3 ha with Cement Production Capacity of 1.5 MTPA in 1996. The company expanded the production capacity upto 2.5 MTPA for which Environmental Clearance was obtained J-11011/79/2003- IA.II (I) dated 21.04.2004.

- *Public hearing for enhancement of cement plant was held on March 21st, 2003.*
- *Captive Power Plant with Production capacity of 25 MW was established in 2004 in an area of 4.205 ha within the cement plant premises for fulfilling the power requirement of the cement plant.*
- *Company is proposing Enhancement in Production Capacity of Captive Power Plant from 25 MW to 28 MW at J.P. Puram Bela, Tehsil: Huzur, District: Rewa (Madhya Pradesh).*
- *Company has asked for Exemption of Public Hearing because company is going for the minor enhancement in power generation capacity from 25 MW to 28 MW by the means of process optimization & debottlenecking by the following means:*
- *No new construction and additional installation are proposed. Enhancement will be done by process optimization debottlenecking.*
- *There will be no additional requirement of coal as existing specific steam consumption for 112.5 Tonne of steam is 4.57MW. Now if we reduce the specific steam consumption to 4.0 / MW then it will result in the power generation of 28 MW with the same amount of steam consumption i.e, 112.5. Therefore no Additional Fuel or Raw Material is required for the proposed enhancement in the production capacity.*

x. Major Sources of Noise emissions/pollution are: Turbines, Compressors and Fans. For which PP has proposed following Mitigation measures:-

- Turbine and compressors are installed in closed building.
- Proper maintenance, oiling and greasing of machines at regular intervals is being done.
- Adequate silencers are being provided in all the steam exhaust. Periodical monitoring of Noise level.
- PPEs like ear plug and earmuffs etc. are being provided to all operators and employees working near the machinery.

xi. The major pollutants are particulate matter, SO2 and NOx. Pollution levels are being/ will be maintained below the prescribed standards by following pollution control measures:

- ESP has been provided for Boiler Stack to maintain PM emission level below 50 mg/Nm3
- Limestone dosing system provided for control of So2
- Covered conveyor belt & Bag filters have been provided at various material transfer points.
- Silos for fly ash and bed ash storage;
- Water sprinkler are installed at coal handling.
- Covered shed for storage of coal;

xii. Total water requirement for the project is 160 KLD which is being sourced from rainwater harvested in the Mine pit. After enhancement in power production capacity, there will be no change in the water requirement as the capacity enhancement will be done by the process optimization. Existing specific steam consumption for 112.5 Tonne of steam is 4.5 /MW. Now if we reduce the specific steam consumption to 4.0 / MW then it will result in the power generation of 28 MW with the same amount of steam consumption i.e, 112.5. Moreover Air cooled condensers are installed instead of water cooled condenser which results in no additional water requirement.

xiii. PP has submitted that no wastewater is being discharged outside the plant. Domestic waste water is being treated in STP (located in Colony) Waste water generated from CPP is being used in Dust Suppression and Greenbelt Development after neutralization.

xiv. Rain water is being harvested in Mines Pit and the same is being used for Power Generation and also recharges the ground water.Rain water harvesting will be practiced at plant site to recharge ground water.

xv. Auxiliary power requirement of the Bela Cement Plant will be 2.52 MW. This is being/will be fulfilled by company's own existing Captive Power Plant located within existing cement plant.

xvi. Solar Panels will be installed at the rooftop of Guest house and Street Lights exists within the plant premises and the Colony.

xvii. For Solid and Hazardous Waste Management PP has proposed as follows:--

- 206 MT (21 MT Bed Ash & 185 MT Fly Ash) of Ash is being generated. 100 % of Ash which is being/will be used in Integrated Cement Plant for manufacturing of Cement.
- Municipal solid waste generated from the plant is being/ will be segregated and disposed off scientifically. Composting is being / will be done for the possible organic waste and manure is being / will be used in greenbelt development / plantation.
- Used oil & grease, Skimming & Empty Barrels are being/ will be generated from plant machineries as hazardous waste which is being/ will be sold to CPCB registered recycler.

xviii. About 1.41 ha is covered under green belt & plantation. Plantation has been done in 33% of the total plant area. 80% survival rate will be maintained with all possible efforts. Following native plant species are being planted/to be planted : *Mangifera indica* (Mango), *Phyllanthus emblica* (Amla), *Polyalthia longifolia* (Ashoka), *Tamarinduc indica* (Imli), *Ficus religiosa* (Peepal), *Azadirachta indica* (Neem), *Delonixregia, cassia fistula* (Amaltas), *Dalbergia sissoo* (Sheesham) etc.

xix. As per the O M no. F.No. 22-65/2017-IA.II dated 01.05.2018, for the brown field projects, CER budget should be 1 % or more of the total Project cost. Total project cost for this Project is 50 Lakh. Company has allocated Rs 0.5 Lakhs towards CER activities, which will be spend under various heads such as education, health, infrastructure etc.

xx. UTCL is being and will be actively involved in the CSR activities in the surrounding villages of the plant site. Infrastructure development in the nearby villages, educational facilities, , health facility, assistance in social forestry programmes in the area, are some of the activities further to be undertaken under ESC/CSR plan for the development and upliftment of the society. Company has allocated Rs 1020.86 lacs to be spent in CSR activities in 5 years. (2018 to 2023).

Based on the information submitted at Para i to xx above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 567th meeting held on 27.08.2019 and decided to accept the recommendations of 383rd & 389th SEAC meeting held on dated 10.07.2019.& 09.08.19 respectively.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 & its amendments to the proposed enhancement in capacity of Captive Power Plant from 25 MW to 28 MW, at Village J.P. Puram Bela, Tehsil Huzur, District Rewa (MP) by M/s Ultra Tech Cement Ltd., Ahura Centre, 1st Floor, A-Wing, Mahakali Caves Road, Andheri (E) Mumbai-400093.subject to the compliance of the

Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA -

1. Ground water will not be extracted/purchased for any purpose / use in captive power plant. Only recycled water and / or stored water in mine pit reservoirs shall be used.
2. Water requirement shall not exceed 160 KLD. No discharge of waste water should be done outside the plant boundary / natural drain and all the waste water should be recycled and reused in the plant.
3. Ash generation will be 206 MT 100% of the fly ash and bottom ash generated shall be utilized in cement manufacturing. Fly ash will be stored in silos only and there shall be no open storage pond.
4. For controlling fugitive dust, regular sprinkling of water in vulnerable areas of the plant should be ensured.
5. The Proponent shall comply with the office memorandum dt. 05.02.2013 issued by the Ministry of Environment & Forests, GoI, w.r.t. quality of imported coal, etc.
6. PM emission concentration of less than 50 mg/Nm3 shall be maintained in the boiler.
7. At least 33% of total plot area will be developed into green area.
8. Coal will be transported to project site by combination of Belt conveyor and closed trucks..
9. Water for the project will be sourced from the rainwater harvested in the Captive Mine Reservoir only and not from any other natural source.
10. Zero Effluent Discharge will be practiced through recycling of all the waste water after appropriate treatment of the same.
11. Execution of all the CSR activities as proposed in the project shall be binding. PP should plan the CSR activities as per local villagers needs and should consult District administration for implementation of the CSR activities and submit the same to MPSEIAA.
12. PP should ensure to submit half yearly compliance report and CSR activity report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF & CC,Gof, Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No. 930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.

B. Specific Conditions as recommended by SEAC

A. Statutory Compliance

1. Emissions standards for Thermal Power Plants as per Ministry's Notification S.O. 3305(E) dated 7.12.2015, G.S.R.593 (E) dated 28.06.2018 and as amended from time to time shall be complied.
2. Part C of Schedule II of Municipal Solid Wastes Rules, 2016 dated 08.04.2016 as amended from time to time shall be complied for power plants based on Municipal Solid waste.

3. MoEF&CC Notification G.S.R 02(E) dated 2.1.2014 as amended time to time regarding use of raw or blended or beneficiated/washed coal with ash content not exceeding 34% shall be complied with, as applicable.
4. MoEF&CC Notification on Fly Ash Utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 as amended from time to time shall be complied.
5. The recommendation from Standing Committee of NBWL under the Wildlife (Protection) Act, 1972 should be obtained, if applicable.
6. No Objection Certificate from Ministry of Civil Aviation be obtained for installation of requisite chimney height and its sitting criteria for height clearance.
7. Ground water shall not be drawn during construction of the project. In case, ground water is drawn during construction, necessary permission be obtained from CGWA.

B. Ash content/ mode of transportation of coal:

1. Ash: 206 MT (21 MT Bed Ash & 185 MT Fly Ash) of Ash is being generated. 100 % of Ash which is being/will be used in Integrated Cement Plant for manufacturing of Cement.

C. Air quality monitoring and management:

1. Air quality monitoring and management in stack emission, applicable emission standard of PM, SO2 & NOx will be 50 mg/Nm3, 600 mg/Nm3 and 300 mg/Nm3 respectively for the thermal power plants, commissioned after the year 2004 as per MoEF & CC notification SO 3305 (E) dated 7.12.2015.
2. Adequate dust extraction/suppression system shall be installed in coal handling, ash handling areas and material transfer points to control fugitive emissions.
3. Appropriate Air Pollution Control Measures (DEs/DSs) be provided at all the dust generation sources including sufficient water sprinkling arrangements at various locations viz. roads, excavation sites, crusher plants, transfer points, loading and unloading areas etc.

D. Noise pollution and its control measures:

1. The Ambient Noise levels shall meet the standards prescribed as per the Noise Pollution (Regulation and Control) Rules, 2000.
2. Persons exposed to high noise generating equipment shall use personal protective equipment (PPE) like earplugs/ear muffs, etc.
3. Periodical medical examination on hearing loss shall be carried out for all the workers and maintain audiometric record and for treatment of any hearing loss including rotating to non-noisy/less noisy areas.

E. Human Health Environment:

1. Bi-annual Health check-up of all the workers is to be conducted. The study shall take into account of chronic exposure to noise which may lead to adverse effects like increase in heart rate and blood pressure, hypertension and peripheral vasoconstriction and thus increased peripheral vascular resistance. Similarly, the study shall also assess the health impacts due to air polluting agents.
2. Baseline health status within study area shall be assessed and report is prepared. Mitigation measures should be taken to address the endemic diseases.
3. Impact of operation of power plant on agriculture crops, large water bodies (as applicable) once in two years by engaging an institute of repute. The study shall also include impact due to heavy metals associated with emission from power plant.
4. Sewage Treatment Plant shall be provided for domestic wastewater

F. Water Quality Monitoring and Management:

1. Induced /Natural draft closed cycle wet cooling system including cooling towers shall be set up with minimum Cycles of Concentration (COC) of 5.0 or above for power plants using fresh water to achieve specific water consumption of 2.5 m^3/MWh. (Or) Induced/Natural draft open cycle cooling system shall be set up with minimum Cycles of Concentration (COC) of 1.5 or above for power plants using sea water.
2. In case of the water withdrawal from river, a minimum flow 15% of the average flow of 120 consecutive leanest days should be maintained for environmental flow whichever is higher, to be released during the lean season after water withdrawal for proposed power plant.
3. Records pertaining to measurements of daily water withdrawal and river flows (obtained from irrigation Department/Water Resources Department) immediately upstream and downstream of withdrawal site shall be maintained.
4. Rainwater harvesting in and around the plant area be taken up to reduce drawl of fresh water. If possible, recharge of ground water to be undertaken to improve the ground water table in the area.
5. Regular (at least once in six months) monitoring of ground water quality in and around the ash pond area including presence of heavy metals (Hg, Cr, As, Pb, etc.) Shall be carried out as per CPCB guidelines. Surface water quality monitoring shall be undertaken for major surface water bodies as per the EMP. The data so obtained should be compared with the baseline data so as to ensure that the groundwater and surface water quality is not adversely impacted due to the project & its activities.
6. The treated effluents emanating from the different processes such as DM plant, boiler blow down, ash pond/dyke, sewage, etc. conforming to the prescribed standards shall be re-circulated and reused. Sludge/ rejects will be disposed in accordance with the Hazardous Waste Management Rules.
7. Hot water dispensed from the condenser should be adequately cooled to ensure the temperature of the released surface water is not more than 5 degree Celsius above the temperature of the intake water.
8. Sewage generation of 600 KLD will be treated by setting up sewage treatment plant to maintain the treated sewage characteristics as per the prescribed norms.
9. Process description of the existing: STP Bar screen chamber followed by collection cum equalization tank followed by Fluidized Aerobic Bed Reactors (2 Nos.), (FAB) are provided with coarse air bubble diffusion system followed by Tube Settler Tank in the STP. The clear supernatant after disinfecting by chlorination is being passed through dual filter and activated Carbon filter before collection in the treated water tank. The sludge generated from the FAB is passed through sludge digester and dried and the filtrate is being collected and sent back to the equalization tank and the dried cakes will be used as manure. The treated water is being/will be used for plantation activities and green belt development.
10. No wastewater shall be discharged outside the plant premises.
11. Domestic waste water is being treated in STP (located in Colony).
12. Water Waste water generated from CPP is being used in Dust Suppression and Greenbelt Development after neutralization.

G. Risk Mitigation and Disaster Management

1. Adequate safety measures and environmental safeguard shall be provided in the plant area to control spontaneous fires in coal yard. Especially during dry and humid season.
2. Storage facilities for auxiliary liquid fuel such as LDO and HFO/LSHS shall be made as per the extant rules in the plant area in accordance with the directives of

Petroleum & Explosives Safety Organization (PESO) Sulphur Content in the liquid fuel should not exceed 0.5%

3. Ergonomic working conditions with First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
4. Safety management plan based on Risk Assessment shall be prepared to limit the risk exposure to the workers within plant boundary.
5. Regular mock drills for on-site emergency management plan and integrated Emergency Response System shall be developed for all kind of possible disaster situations.

H. Green Belt and Biodiversity conservation

1. Green Belt shall be developed in an area of 33% of the total project with indigenous native species in accordance with CPCB guidelines. The green belt shall inter alia cover an entire periphery of the plant.
2. For proposed plantation, 80% survival rate will be maintained with all possible efforts.
3. Three tier plantation will be done around plant boundary with density of 2500 trees/ha for increasing the density.
4. Local plant species i.e. Acacia, Amla, Imli, Bargad, Peepal, Ashok, Cassia, Kachnar, Mango, Neem, Seesam etc. are being/ will be planted in consultation with Horticulture Department.
5. In-situ /ex-situ conservation plan for the conservation of Flora and fauna should be prepared and implemented.

I. Waste management.

1. Solid waste management should be planned in accordance with extant solid waste management rules, 2016.
2. 206 MT (21 MT Bed Ash & 185 MT Fly Ash) of Ash is being generated. 100 % of Ash which is being/will be used in Integrated Cement Plant for manufacturing of Cement.
3. Municipal solid waste generated from the plant is being/ will be segregated and disposed off scientifically. Composting is being / will be done for the possible organic waste and manure is being / will be used in greenbelt development / plantation.
4. Used oil & grease, Skimming & Empty Barrels are being/ will be generated from plant machineries as hazardous waste which is being/ will be sold to CPCB registered recycler.
5. Toxicity characteristic Leachate procedure (TCLP) test shall be conducted for any substance, potential of leaching heavy metals into the surrounding areas as well as into the ground water.
6. Ash pond shall be lined with impervious liner as per the soil conditions. Adequate dam/dyke safety measures shall also be implemented to protect the ash dyke from getting breached
7. Fly ash shall be collected in dry from and ash generated shall be used in phased manner as per provisions of Notification on Fly Ash utilization issued by the Ministry and amended thereto. By the end of 4th year, 100% fly ash utilization should be ensured. Unutilized ash shall be disposed off in the ash pond in the form of high concentration slurry. Mercury and other heavy metals (As, Hg, Cr, and Pb etc.) will be monitored in the bottom ash as also in the effluent emanating from the existing ash pond. Fly-ash utilization details shall be submitted to concerned Regional office along with the six monthly compliance reports and utilization data shall b published on company's website.

8. Unutilized ash shall be disposed off in the ash pond in the form of high concentration slurry/medium concentration slurry/lean concentration slurry method. Ash water recycling system shall be set up to recover supernatant water
9. In case of waste to energy plant, major problems related with environment are fire smog in MSW dump site, foul smell and impacts to the surrounding populations. Therefore, the following measures are required to be taken up:
10. Water hydrant at all the dumpsites of MSW area to be provided so that the fire and smog could be controlled.
11. Sprayer like microbial consortia may be provided for arresting the foul smell emanating from MSW area.

J. Monitoring of compliance

1. Environmental audit of the project to be taken up by third party for preparation of Environmental statement as per Form-V and conditions stipulated in the EC and report be submitted to the ministry.
2. Energy conservation plan to be implemented as envisaged in the EIA/EMP report. Renewable energy purchase obligation as set by M0P/ state govt. shall be met either by establishing renewable energy power plant (such as solar, wind, etc.) or by purchasing renewable energy certificates.
3. Monitoring of carbon emissions from the existing power plant as well as for the proposed power project shall be carried out annually from a reputed institute and report be submitted to the ministry's regional office.
4. Energy and Water audit shall be conducted at least once in two years and recommendations arising out of the report should be followed. A report in this regard shall be submitted to ministry's Regional office.
5. Environment Cell (EC) shall be constituted by taking members from different divisions, headed by a qualified person on the subject, who shall be reporting directly to the head of the project.

K. Corporate Environmental Responsibility (CER) activities;

1. CER activities will be carried out as per OM No. 22-65/2017-IA.II dated 01.05.2018 or as proposed by the PP in reference to Public Hearing or as earmarked in the EIA/EMP report along with the detailed scheduled of implementation with appropriate budgeting.
2. PP will follow CER activity as proposed:

S.No.	Activities	YEARS					Total
		18-19	19-20	20-21	21-22	22-23	
1.	**Education**	30.50	32.03	33.63	35.31	37.07	168.53
2.	**Healthcare**	34.50	36.23	38.04	39.94	41.93	190.63
3.	**Sustainable Livelihood**	37.75	39.64	41.62	43.70	45.89	208.59
4.	**Infrastructure Development**	77.00	80.85	84.89	89.14	93.59	425.47
5.	**Social Causes**	5.00	5.25	5.51	5.79	6.08	27.63
Total		184.75	193.99	203.69	213.87	224.56	1020.86

L. Cost for Environment Protection for the Project:

- Capital cost – Rs.25.00 Lakh
- Recurring cost- Rs. 10.0 Lakh/ Year.

Standard Conditions:

1. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
2. Four ambient air quality-monitoring stations shall be established for RSPM, SPM, SO2, NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly up loaded and displayed on the company's website.
3. Data on ambient air quality (RPM, SPM, S02, NOx) should be regularly submitted to the Regional office, MoEF, GoI, Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
4. Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area and around the ash pond to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the ash disposal area.
5. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.
6. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
7. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
8. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, and its Regional Office located at Bhopal.
9. The Regional Office,MoEF,GoI, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, should be given to Regional Office, MoEF, GoI, Bhopal & MPPCB.
10. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in addition to the associated Government Departments responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
11. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at **www.mpseiaa.nic.in** and a copy of the same shall be forwarded to the Regional Office, MoEF, GoI, Bhopal.
12. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the

environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

13. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
14. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
15. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
16. The Environmental Clearance shall be valid for a period of five years from the date of issue of this letter.
17. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
18. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
19. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.
20. The Project Proponent has to upload soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF & CC web portal - http://www.environmentclearance.nic.in/ or http://www.efclearance.nic.in/ and submit hard copy of compliance report of the stipulated prior environmental clearance terms and conditions to the Regulatory Authority also

(Jitendra Singh Raje)
Member Secretary

2418 / SEIAA/ 2019 Dated 25.9.19

Copy to:-

(1). Principal Secretary, Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.

(2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.

(3). Member Secretary, MP Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal.

(4). The Collector, District Rewa -M.P.

(5). The Principal Chief Conservator of Forest, Ground floor Satpuda Bhawan, Bhopal (M.P)

(6). Director, I.A. Division, Monitoring Cell, MoEF, GoI, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003

(7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.

(8). Guard file.

(Dr. Sanjeev Sachdev)
Officer-in-Charge