

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE CONDITIONS
FOR
RAMKRISHNA FORGINGS LIMITED, Plant - 7
EC Id No. EC23B008JH125384, dated: 29/11/2023**

| S. No | CONDITIONS | COMPLIANCE STATUS (01 st April 2024 – 30 th September 2024) |
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| A. Specific Conditions: | | |
| 1 | The environmental clearance is valid subject to the following condition below - That this project has - | Complied |
| 1A | Obtained all legal rights to operate at concerned place. | |
| 1B | Complied with all existing concerned laws of the land | |
| 1C | Complied with the decisions of SEIAA on the issue of Environmental Clearance till date | |
| 2 | Ground water to be drawn for use in the project only after obtaining permission from the competent authority. | Complied We do have authorization from central ground water authority vide certificate no CGWA/NOC/IND/ORIG/2021/12728, dated 30 th July 2024 to withdraw ground water in prescribed limit. We assure to comply all terms & conditions given in the authorization. Please Refer Annexure 2. |
| 3 | Environment management system including organization structure to be drawn to ensure compliance of EC conditions stipulated based on principles of continual improvement and periodical management review. | Complied Environment organization structure including TOP Management already in place and reviewed on fixed interval to monitor the implementation of EC & other compliances. Please Refer Annexure 3. |
| 4 | All raw material to be stored only under covered shed | Complied All raw material Stored under the covered shed only. Please Refer Annexure 4. |
| 5 | PAs to offset (up to 20%) consumption of conventional energy sources by promoting use of solar energy, passive energy utilization, optimum fenestration, shading effect and heat islands. | Complied We do have committed to offset conventional energy by installation of source of solar energy. Please Refer Annexure 5. |
| 6 | Developers to promote energy conservation measures such that it offsets not less than 02% of connected load. It is to be achieved by solar panels etc meeting ECBC norms. | Complied |
| 7 | Trees should be developed & maintained not less than 33% of project area. | Complied Green belt development is planned in 33% of project area and tree plantation work is being done. Please Refer Annexure 6. |
| 8 | Developers/Company to install STP of sufficient capacity such that all the sewer produced is treated and reused. | Complied We have installed 65 KLD STP to treat the domestic effluent. It is operational round the clock. Please Refer Annexure 7. |

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| 9 | Developers/Company to install Rain water harvesting structures such that all the roof top water runoff is collected and harvested including reuse on 100% basis. | Complied Rain water harvesting structures planned as per the project area and geographical requirement to collect all roof top water and recharge the harvesting pit. Refer Annexure 8. |
| 10 | Developers/company to conduct and submit carbon footprint and carbon sequestration study report including mitigation measures as a part of EC compliance. | Complied We do have conducted third party green gas house emission audit by Bureau Veritas and study report including mitigation measures is in place. Refer Annexure 9A & 9B. |
| 11 | MSW collection centre should be in isolated and preferable unmanned area. Movement of the vehicle carrying waste should be under tarpaulin covered condition only route of vehicle should be such that it avoids residential areas as far as practical. | Complied |
| B. Statutory Compliance: | | |
| 1 | The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act 1980, in case of the diversion of forest land for non-forest purpose involved in the project. | Not Applicable in our case. |
| 2 | The project proponent shall obtain clearance from the National Board for Wildlife if applicable. | Complied Clearance issued by DFO office vide letter No– 1166 on dated 19.11.2019. Refer Annexure 11A. |
| 3 | The project proponent shall prepare a site-specific conservation plan & wildlife management plan and approved by the chief wildlife warden. The recommendations of the approved site-specific conservation plan, Wildlife Management Plan shall be implemented in consultation with the state forest department. The implementation report shall be furnished along with the six-monthly compliance report. | Complied A detail study conducted, and site-specific wildlife management plan prepared in consultation with INDUOM CONSULTANTS PVT LTD. All recommendation is taken care accordingly. Please Refer Annexure 10. |
| 4 | In the writ petition (Civil) no 202/1995, T. N. Godaverman Thirumulpad vs union of India and ors. The Hon'ble Supreme Court passed an order dated 03.06.2022. "National Park or Wildlife Sanctuary must have an ESZ of minimum 01 km in which the activities prescribed and prescribed in the guidelines of 09 th February 2011 shall be strictly adhered do". | Complied DFO Saraikela certified on 03.11.2018 by letter No 2278 that distance of notified forest is 500 meters from project site. Refer Annexure 11B. |
| 5 | 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 Pollution) Act, 1974 from the concerned state pollution Control Board Committee. | Complied We do have Consent to Operate vide Certificate no JSPCB/HO/RNC/CTO-14964503/2023/1186 valid till – 31.03.2025. Refer Annexure 1. |
| 6 | The project proponent shall obtain the necessary permission from the Central Ground Water Authority. In case of drawl of ground water from the competent | Complied We do have authorization from central ground water authority vide certificate no |

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| | authority concerned in case of drawl of surface water required for the project. | CGWA/NOC/IND/REN/1/2024/9786, valid till 29 th July 2027. Please Refer Annexure 2. |
| 7 | The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time. | Complied We do have obtain authorization of Hazardous Waste vide Certificate no JSPCB/HO/RNC/HWM-9416378/2021/35 valid till – 17.09.2026. Refer Annexure 1D. |
| 8 | No mining /activity shall be undertake in the forest land or deemed forest without obtaining requisite prior forestry clearance. | Noted |
| 9 | This environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India. Hon'ble Hight Court, Hon'ble NGT. MOEF & CC and any other Court of Law, if any. As may be applicable to this project. | Noted |
| 10 | Environmental clearance is subject to obtaining prior clearance from forestry and Wildlife angle including clearance from standing committee of NBWL. As may be applicable to this project. (In case any fauna occurs/is found in the project area or if the area involves forest land or Wildlife habitat i.e. core zone of elephant / tiger reserve etc. and or located with in 10 Km. of protected area). | Complied Please Refer Annexure 11A & 11B. |
| 11 | The project proponent may apply simultaneously for forest and NBWL clearance, in order to complete the formalities without undue delay, which till process on their respective merits. No rights will vest in or accrue to them unless all clearance are obtained. | Complied Please Refer Annexure 11A & 11B. |

C. Air quality monitoring and preservation:

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| 1 | The project proponent shall install 24&7 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 31 st March 2012 (applicable to IF/EAF) as amended from time to time. S.O. 3305 (E) dated 7 th 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 recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. | Complied We have installed CEMS and data transmitted successfully. Please Refer Annexure 12. |
| 2 | 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. | Complied Fugitive emission in the plant premises monitored quarterly. Latest Fugitive Emission reports carried out in the month of October 2024 by NABL certified M/s ELESPL duly authorized by JSPCB. Please Refer Annexure 13. |
| 3 | The project proponent shall install system carryout Continuous Ambient Air Quality monitoring for | Complied |

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| | common / criterion parameters relevant to the main pollutants released (e.g. PM 10 and PM 2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 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 degree each). Covering upwind and downwind directions. (case to case basis small plants: Manual: Large plants: Continuous) | We have installed CAAQMS and data transmitted successfully. Please Refer Annexure 12A. |
| 4 | 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 | Complied We have installed CEMS & CAAQMS and data transmitted successfully. Please Refer Annexure 12 & 12A. Stack monitoring, air quality & fugitive emission report carried out by NABL certified M/s ELESPL duly authorized by JSPCB. Please Refer Annexure 14. |
| 5 | Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources. | Complied Appropriate Air Pollution Control (APC) viz. fume extraction system, fix type water sprinklers, pucca roads, water scrubber at paint shop, bag filter etc. has been provided to control stack as well as fugitive dust emissions. Latest Stack and Fugitive Emission reports carried out in the month of January 2024 by M/s VEC duly authorized by JSPCB. Refer Annexure 14. |
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| 6 | The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags. | Complied |
| 7 | Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly. | Complied We have involved a competent contractor with fully mechanised housekeeping equipment i.e. Scrubber, vacuum cleaner, Dust cleaner, Water Jet sprayer etc. Refer Annexure 15. |
| 8 | 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. | Not Applicable in our case. |
| 9 | The project proponent shall use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin. | Not Applicable in our case since we are using steel bar/plates as a raw material. |
| 10 | The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal etc. | Complied |
| 11 | The project proponent shall provide primary and secondary fume extraction system at all melting furnaces. | Not Applicable |

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| 12 | Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, oil Cellars. | Complied |
| D. Water quality monitoring and preservation | | |
| 1 | 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 31 st March 2012 (applicable to IF/EAF) as amended from time to time ; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended form 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. (case to case basis small plants; Manual; Large plants: Continuous). | Complied We have installed EQMS and data transmitted successfully. Please Refer Annexure 12 & 12A. We do have effluent water monitoring report done by M/s VEC duly accredited by JSPCB. Refer Annexure 17. |
| 2 | 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. | Complied We do have piezometer with telemetry system for the monitoring of level of ground water and the same monitored twice in a year. We do have ground water monitoring report done by M/s VEC duly accredited by JSPCB. Refer Annexure 18. |
| 3 | 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. | Complied We have installed EQMS and data transmitted successfully. Please Refer Annexure 12 & 12A. We do have effluent water monitoring report done by M/s VEC duly authorized by JSPCB. Refer Annexure 17. |
| 4 | Adherence of Zero Liquid Discharge | Complied We do have close circuit effluent treatment plant with 100 KLD capacity to adhere zero liquid discharge. The treated water is being used for construction, gardening, flushing and fire tank work. Please Refer Annexure 19. |
| 5 | Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards. | Complied We do have 65 KLD sewage treatment plant for the treatment of domestic water up to prescribed limits. The treated water is being used for construction, gardening, flushing and fire tank work. Refer Annexure 7. |
| 6 | The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31 st March 2012 (applicable to IF/EAF) as amended from time to time. | Complied |
| 7 | Garland drains and collection pits shall be provided for each stock pit to arrest the run-off in the event of heavy | Complied |

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| | rains and to check the water pollution due to surface run off. | Garland drains & collection pits provided. Rain water harvesting system developed covering roof top area with 13 numbers of recharge pit to run off all roof top water towards these recharge pits. Refer Annexure 8 & 20. |
| 8 | The project proponent shall practice rainwater harvesting to maximum possible extent. | Noted |
| 9 | 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. | Complied We do have sperate ETP (100 KLD) and STP (65 KLD) plant for the treatment of process & domestic waste water. Reuse of RO & DM plant reject water to minimize the extraction of fresh ground water. All treated/reject water is used for dust suppression, construction, gardening etc. |
| E. Noise monitoring and prevention | | |
| 1 | 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. | Complied Noise level report monitored on quarterly basis. Latest noise monitoring done by NABL certified M/s ELESPL duly authorized by JSPCB. Refer Annexure 21. |
| 2 | The ambient noise levels should confirm to the standards prescribed under E(P)A Rules, 1986 viz 75 dB (A) during day time and 70 dB (A) during night time. | Complied Ambient noise level monitored as per prescribed standard confirming viz 75 dB (A) during day time and 70 dB (A) during night time. Latest ambient noise monitoring done by M/s VEC duly authorized by JSPCB. Refer Annexure 16. |
| F. Energy Conservations measures | | |
| 1 | The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces. | Noted |
| 2 | Practice hot charging of slabs and billets/blooms as far as possible. | Complied In forging process, we are using U.S based Inductotherm energy efficient modular type Induction billet heater to avoid waste of energy. We also ensure automatic electric power cut off in idle condition of the heater. To avoid energy wastage, we kept coil size same as billet size. |
| 3 | Ensure installation of regenerative type burners on all reheating furnaces. | Complied We have installed regenerative burners to all Indo Furnaces. |
| 4 | Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly. | Complied 4.2 MW grid connected with solar rooftop power plant installed. Refer Annexure 5. |

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| 5 | Provide the project proponent for LED lights in their offices and residential areas. | Complied We are installed LED lights instead of metal lamps across the plant. |
| G. Waste Management | | |
| 1 | Used refractories shall be recycled as far as possible. | Noted and being complied |
| 2 | Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting furnaces | Complied All scum and metallic sludge generating during the plant process is stored in isolated location and sent to the melting furnace through channelized partner. |
| 3 | 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. | Not Applicable |
| 4 | The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & other waste (Management & Transboundary Movement) Rules, 2016. | Complied We identified all possible hazardous waste as per plant process and systematic disposal in consultation with authorized TSDF being done. Latest annual return (Form-4) of hazardous waste submitted to the office of pollution control board on dated 20.06.2024. Refer Annexure 22. |
| 5 | Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant). | Complied Kitchen waste is composted and used for greenery development. |
| H. Green Belt | | |
| 1 | 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. | Complied We do have a green belt development plan for 33% land of plant area according with CPCB guidelines. Refer Annexure 23. |
| 2 | The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation. | Complied We have conducted third party green-house gas emission audit by Bureau Veritas and study report including mitigation measures is in place. Refer Annexure 9A & 9B. |
| I. Public Hearing and Human Health Issues | | |
| 1 | Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. | Complied Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan has been implemented. Copy of HIRA and Emergency Preparedness attached as Refer Annexure-24 & 25. |
| 2 | The project proponent shall carry out heat stress analysis for the workmen who work in high | Complied |

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| | temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act. | Hematology of workmen working in high temperature work zone is carried out annually. Refer Annexure 26. PPEs also provided as per the norms. |
| 3 | 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. | Complied |
| J. Corporate Environment Responsibility | | |
| 1 | The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA. III dated 1 st May 2018. As applicable regarding corporate Environment Responsibility. | Being Complied |
| 2 | The company shall have a well laid down environmental policy duly approved 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. | Complied We have well laid down environmental policy duly approved by board of directors. Refer Annexure 27. |
| 3 | 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 report directly to the head of the organization. | Complied Environment cell already in place. Refer Annexure 3. |
| 4 | 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. | Being Complied |
| 5 | Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out. | Complied Environmental audit by third party conducted regular basis by third party and ISO 14001 certificate being issued. Refer Annexure 29. |
| 6 | All the recommendations made in the charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented. | Being Complied |
| 7 | Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factory Act. | Complied |

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| | | Occupational health surveillance of the workers done as per norms. Refer Annexure 30. |
| K. Miscellaneous | | |
| 1 | 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. | Complied Public advertisement of the EC in local newsletter done within time frame. Refer Annexure 31. |
| 2 | 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. | Complied Refer Annexure 32. |
| 3 | 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. | Noted and Being Complied |
| 4 | The project proponent shall monitor the criteria pollutants level namely: PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters. Indicated for the projects display the same at a convenient location for disclosure to the public and put on the website of the company. | Complied We have installed CAAQMS and data transmitted successfully. Please Refer Annexure 12A. |
| 5 | 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. | Noted and Being Complied |
| 6 | 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. | Complied Environmental Statement Form – V for the FY 2023-24 enclosed. Refer Annexure 33. |
| 7 | 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. | Complied |
| 8 | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government. | Noted |
| 9 | 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. | Noted and Being Complied |

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| 10 | 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). | Noted and Being Complied |
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