

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE CONDITIONS
FOR
RAMKRISHNA FORGINGS LIMITED: Letter No.-EC/ SEIAA / 2014 15/516/ 2014/1929,
DATED 23.11.2015**

SL.	CONDITION	COMPLIANCE STATUS (November 2015 – 31 st March 2016)
A. Specific Conditions		
1.	<p>This Environmental Clearance is valid subject to the following condition below - That this project has-</p> <ul style="list-style-type: none"> a. Obtained all legal rights to operate at concerned place. b. Complied with all existing concerned laws of the land and c. Complied with the decisions of SEIAA on the issue of Environmental Clearance till date. 	Noted and assure to comply.
2.	As proposed, only propane gas will be used as fuel to reduce particulate emissions.	Only propane gas will be used as fuel in the process.
3.	Efforts shall be made to reduce PM levels in the ambient air. Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration of PM are anticipated in consultation with the State Pollution Control Board (SPCB). Data on ambient air, stack and fugitive emissions shall be submitted to the SEIAA Office JSPCB and CPCB	<p>To control PM levels operations will be kept under covered shed, pucca road in the premises, green cover, plantation and good housekeeping maintained.</p> <p>Monitoring stations as suggested will be followed.</p>
4.	On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided. The emissions of particulate matter from various process units shall conform to the standards prescribed by the concerned authorities from time to time.	This is only forging and heat treatment unit with clean fuel no online monitoring facility envisaged. Particulate matter from various process units will conform to the standards prescribed by the concerned authorities.
5.	The company shall monitor the raw and treated wastewater quality for trace metals and air quality at sources and ambient including routine parameters and the reports shall be submitted regularly with six monthly compliance report.	Will be complied.
6.	The company shall connect the pollution control equipment to DG set to ensure operation of these equipments during power failure. The company shall also provide interlocking system with the process equipment so that the plant automatically	Silent type D G sets have already been installed as per the conditions and exhaust pipe raised as per CPCB norms and will be connected to PCD.

	stops in case the pollution load exceeds the guaranteed limits.	
7.	The industry shall ensure that the treated effluent and stack emissions in the unit are within the norms stipulated under the EP Rules or JSPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipments adopted in the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Condition being complied for project to meet the latest norms.
8.	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Dust suppression and dust extraction systems shall be provided to control fugitive emissions at material handling points. Fugitive emissions shall be controlled by providing closed storages, water sprinkling system, etc. to arrest the suspended particles.	Complied. Operations will be kept under covered shed, pucca road in the premises, green cover, plantation and good housekeeping maintained fixed type water sprinklers installed in plant.
9.	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed. The emission standards issued by the Ministry in May, 2008 shall be followed.	Complied and assure to comply during operation
10.	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	Complied as per the norms. Storage, operation and loading etc. within covered shed. Pucca roads provided for transportation.
11.	Total water requirement from ground water source shall not exceed 495 m ³ /day. All the wastewater generated from the process shall be treated in the effluent treatment plant (ETP) followed by in Reverse Osmosis (RO) plant and recycled and reused in the process and/or used for dust suppression, green belt development and for various activities at the project site. No effluent shall be discharged outside the premises. 'Zero' discharge shall be strictly adopted	Water consumption at no stage will exceed 495 m ³ /day. ETP installed. No effluent discharge to take place. Waste water maintained within norms and reused within premises.
12.	Prior permission' for the drawl of 495 m ³ /day water from ground water source shall be obtained from the concerned department and a copy of the letter shall be submitted to this office within 3 months of issue of the environment clearance	Complied. Permission obtained from CGWA and copy submitted to SEIAA.

13.	As proposed, all the metal scrap, iron oxide and dust shall be disposed for recycle / reuse in furnaces. All the other solid/hazardous waste generated including rejects from Reverse Osmosis (RO) plant shall be properly utilized or disposed off in environment friendly manner. The domestic waste including sewage sludge shall be treated biologically and used as manure for green belt.Used/spent oil shall be sold to authorized recyclers as per the Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008 and subsequent amendments.	Will be complied and maintained regularly.
14.	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.	Already the latest technology with optimum utilization installed. Solid waste used by supplier industries as raw material.
15.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding end use of solid/hazardous waste shall be submitted to the SEIAA, JSPCB and CPCB	All solid waste generated will be disposed to unit for used as raw material, co-processing or recycling. Records will be maintained and submitted to the SEIAA, JSPCB and CPCB
16.	Green belt shall be developed in 33% in and around the plant premises to mitigate the effects of fugitive emissions all around the plant as per the CPCB guidelines.	Complied. Plantation done and continued to maintain the green belt/green cover.
17.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Sector shall be implemented and progress report shall be submitted to MOEF/CPCB.	Complied. Provisions of CREP as applicable are implemented. Progress reports will be submitted half yearly.
18.	Proper care shall be taken in structural design to protect against earthquake if the site falls under earthquake zone and implemented during construction phase.	Complied.
19.	The company shall provide housing for 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. No construction at present.

B. General Conditions		
1.	The project authorities must strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board (JSPCB) and the State Government.	Complied.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the concerned authority/ SEIAA, Jharkhand	Complied and will be maintained in future also.
3.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The Jharkhand State Pollution Control Board (JSPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.	<p>The emissions from the plant will be controlled within the latest permissible limits.</p> <p>Pollution control system to the expansion unit installed. At no time the emission level shall be allowed beyond the prescribed standards.</p> <p>All measures will be complied.</p>
4.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM, SO ₂ and NO _x are anticipated in consultation with the State Pollution Control Board. Data on ambient air quality and stack emission shall be regularly submitted to this office and JSPCB / CPCB once in six months.	Will be complied and submitted to SEIAA and JSPCB / CPCB once in six months.
5.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	Will be Complied. ETP and STP installed for the same.
6.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. The noise level will be maintained within the specified limit.

7.	The company shall undertake rainwater harvesting measures by collecting the rainwater through drains. The water collected shall be connected to raw water pipeline for reuse in the plant. The company shall provide proper drainage system for rainwater to prevent water logging within and in the vicinity of the plant.	Rain water harvesting plan has been developed and implemented for the plant. RWH pits as approved by Ground Water Directorate, Govt. of Jharkhand implemented within premises.
8.	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act. OHSAS certification should be obtained within two years	Pre-employment health check-up of employees done. Regular (annual) occupational health surveillance followed as per Factories Act. OHSAS certification obtained.
9.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report and during the public hearing meeting. Further, the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	The environment protection measures recommended in the EIA/EMP is being strictly followed. CSR in the surrounding villages being carried out.
10.	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior Executive, who will report directly to the Head of the organization.	Environment management cell established to function independently. Will be strengthened for proper functioning.
11.	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for the environmental pollution control to implement the conditions stipulated by the SEIAA as well as the State Government. An implementation schedule for complying with all the conditions stipulated herein shall be submitted to the JSPCB. The funds so provided shall not be diverted for any other purposes.	Total expenditure on pollution control measures is 81.00 lakhs and recurring cost/annum is 18.60 lakhs. Funds earmarked will not be diverted.
12.	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi. PP shall carry out CSR activities as per Government Guidelines (%of Profit / turnover).	Being complied. Funds earmarked will not be diverted. CSR activities as per Government Guidelines will be carried out

13.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied. Copy sent to concerned authorities and submitted to the local bodies. No representation of NGO.
14.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the SEIAA Office, CPCB and the JSPCB. The criteria pollutant levels namely; PM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied. Compliance status uploaded on company website.
15.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the SEIAA, the respective Zonal Office of CPCB and the JSPCB. The Zonal Office of CPCB / JSPCB shall monitor the stipulated conditions.	Six monthly compliance reports as directed will be submitted to the concerned authority in the month of June and December every year.
16.	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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Offices.	The environmental statement will be submitted within compliance period to the concerned State Pollution Control Board under this act for year ending 31st March in Form-V before time frame after operation of the plant.
17.	Project authorities shall inform the SEIAA Office, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Complied. Information submitted