

**Half Yearly Compliance Report**  
**2024**  
**01 Jun(01 Oct - 31 Mar)**

**Acknowledgment**

<b>Proposal Name</b>		Expansion of Integrated Steel Plant at Siltara Growth Centre , Siltara Raipur Chhattisgarh by M/s. Jayaswal Neco Industries Limited	
<b>Name of Entity / Corporate Office</b>		Jayaswal Neco Industries Limited	
<b>Village(s)</b>		N/A	
<b>District</b>		RAIPUR	
<b>Proposal No.</b>	IA/CG/IND/18759/2008	<b>Category</b>	Industrial Projects - 1
<b>Plot / Survey / Khasra No.</b>	N/A	<b>Sub-District</b>	N/A
<b>State</b>	CHHATTISGARH	<b>Entity's PAN</b>	NA
<b>MoEF File No.</b>	J-11011/809/2007-IA.II(I)	<b>Entity name as per PAN</b>	NA

**Compliance Reporting Details**

**Reporting Year** 2024

**Remarks (if any)**

**Reporting Period** 01 Jun(01 Oct - 31 Mar)

**Details of Production and Project Area**

<b>Name of Entity / Corporate Office</b>	Jayaswal Neco Industries Limited	
	<b>Project Area as per EC Granted</b>	<b>Annual Project Area in Possession</b>
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	417.35	417.35
Total	417.35	417.35

**Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Sinter Plant	Tons per Annum (TPA)	31/12/2024	2800000	606095.31	800000
2	Coke oven Non Recovery type	Tons per Annum (TPA)	31/12/2024	868000	188789	200000
3	Steel Melting Shop	Tons per Annum (TPA)	31/12/2024	2400000	675202	1200000
4	Rolling Mill	Tons per Annum (TPA)	31/12/2024	2400000	626221	1200000
5	Blast Furnace	Tons per Annum (TPA)	31/12/2024	1650000	643220	650000
6	Cement Grinding Unit	Tons per Annum (TPA)	01/12/0001	2400000	0	0
7	Oxygen Plant	Tons per Day (TPD)	31/12/2024	510	336	510
8	Iron Ore Pellet Plant	Tons per Annum (TPA)	31/12/2024	2500000	1135330	1500000
9	Captive Power Plant	MW	31/12/2024	107	187265.9	26

## Conditions

### Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 and subsequent amendment in 2003.
<b>PPs Submission:</b> Complied Compliance assured. We have installed fly ash brick plant in our plant premises for brick and block making and it's all is being used in construction work.		Date: 29/05/2024
2	MISCELLANEOUS	All the recommendations made in the charter on corporate responsibility for the environment protection (CREP) for the steel sector shall be implemented.
<b>PPs Submission:</b> Complied The charter on corporate responsibility for the environment protection (CREP) for the steel sector already implemented.		Date: 29/05/2024
3	WASTE MANAGEMENT	Efforts shall be made to use low grade lime, more fly ash and solid waste in the cement manufacturing.

<b>PPs Submission:</b> Complied Cement Plant not established yet within the premises. However, fly ash is being used for brick making and 100% solid waste is utilized as per recommended guidelines.		Date: 29/05/2024
4	Statutory compliance	No coal-based sponge iron plant and captive power plant shall be installed as per the order of State Govt. of Chhattisgarh and shall take prior approval from the State Govt. and Ministry as and when decided for the installation of the same.
<b>PPs Submission:</b> Agreed to Comply Noted		Date: 29/05/2024
5	AIR QUALITY MONITORING AND PRESERVATION	Efforts shall be made to reduce RSPM levels in the ambient air and time bound action plan shall be submitted. On line stack monitoring facilities for all the stacks and sufficient air pollution control devices shall be provided to keep emission levels below 100 mg/Nm3. in cement plant, limit of SPM shall be controlled within 50 mg/Nm3 by installing adequate air pollution control devices.
<b>PPs Submission:</b> Complied Following are the actions taken in the existing plant to control the RSPM. •Regular cleaning on the roads by road sweeping machine. • Vehicular speed is maintained at below 20 KMPH inside the premises. • Peripheral plantation has been done all along the boundary. •Regular maintenance of Air Pollution Control devices. • Covering of Belt conveyors. • Regular water sprinkling is being done through fix type of sprinkler as well as water tanker. The company On-line emission monitoring system (Opacity meter & Gaseous) has been provided in the process stacks and connected with the CPCB/SPCB server. Adequate air pollution control devices i.e., ESP, Bag House, Bag filters are attached to the various process units to control the emission level PM below 50 mg/Nm3. In addition to control the fugitive emission we have provided the Dry fog type of dust suppression system at various places.		Date: 29/05/2024
6	ENERGY PRESERVATION MEASURES	All the standard prescribed for the coke oven plant shall be followed as per the latest guidelines. Proper and full utilization of coke oven and gases in power plant using waste heat recovery steam generators shall be ensured and no flue gases shall be discharged into the air.
<b>PPs Submission:</b> Complied All standard prescribed for the coke oven plant is being followed as per the latest guidelines & below the limit. The Coke oven gases are being utilized for Power generation through Waste heat recovery boilers.		Date: 29/05/2024
7	AIR QUALITY MONITORING AND PRESERVATION	Gaseous emission levels including secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/ code of practices issued by the CPCB shall be followed
<b>PPs Submission:</b> Complied The company installed wet GCP as well as bag filters in Cast house & stock house in the Blast furnace to control the gaseous and fugitive emission. In sinter plant ESP & 04 nos. Bag filters in installed in sinter plant to control the source emission and fugitive emissions. CEMS in blast furnace and sinter plant for monitoring the emission level and same is connected with CECB/CPCB server. Also followed the Guidelines/ code of practices issued by the CPCB.		Date: 29/05/2024
8	MISCELLANEOUS	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agriculture land. All the raw material including fly ash transported in the closed containers only and shall not be overloaded. Vehicular emissions regularly monitored.

<b>PPs Submission:</b> Complied The company is connected with railway network, most of the raw materials are being transported through rail. Other raw materials & end product are transported through covered truck only. Fly Ash is being transported in tarpaulin covered vehicle; water spray is being done on the fly ash vehicle to prevent avoid dust emission. PUC camp organized in regular interval for monitoring of Vehicular emission.		Date: 29/05/2024
9	AIR QUALITY MONITORING AND PRESERVATION	Electrostatic precipitator (ESP) shall be provided to Sinter plant, Pellet plant, Beneficiation plant, power plant, and cement plant. Stacks of adequate height as per CPCB guidelines shall be provided to control emissions from the blast furnace (BF), Sinter Plant, Coke Oven, Steel Melting Shop (SMS), Rolling Mill etc.
<b>PPs Submission:</b> Complied ESP has been provided in Sinter Plant, Pellet Plant and Power Plants to control the emission below prescribed norms. Stacks of adequate height as per CPCB guidelines have been provided to control emissions from all the established plants.		Date: 29/05/2024
10	AIR QUALITY MONITORING AND PRESERVATION	Dust extraction system comprising of pulse jet type bag filter shall be provided to Blast furnace, Cement grinding unit, Beneficiation plant and Pellet plant, Fume extraction system with bag filters shall be provided to Steel melting shop to control fugitive emissions. Suction hood with separator shall be provided to collect the dust particles.
<b>PPs Submission:</b> Complied Bag Filters have been provided to the existing Blast furnace & Pellet Plant. Fume extraction system with bag filters and Suction hood with separator has been provided in existing Steel melting shop to control fugitive emissions.		Date: 29/05/2024
11	WATER QUALITY MONITORING AND PRESERVATION	Total requirement of the water from the Kharun river shall not exceed 36,350 m3/day. Closed circuit system shall be adopted. All the waste shall be treated, in effluent treatment plant (ETP) and treated waste water including cooling tower blow down shall be used for dust suppression, slag granulation, green belt development and various other project related activities. Clarifier and thickener shall be installed in beneficiation and pellet plant for water recovery and recirculation.
<b>PPs Submission:</b> Complied The total water requirement from Kharun river is within the sanctioned limit. All the waste water treated and recycled by WWTP (ETP) & used in plant process, green belt development and dust suppression. Clarifier and thickener are installed in pellet plant for water recovery and recirculation.		Date: 29/05/2024
12	WATER QUALITY MONITORING AND PRESERVATION	Continuous monitoring of total organic compounds (TOC) shall be done at the outlet of ETP (BOD plant).
<b>PPs Submission:</b> Complied Continuous monitoring of total organic compounds (TOC) is being done at the outlet of ETP.		Date: 29/05/2024
13	WATER QUALITY MONITORING AND PRESERVATION	Prior permission for the drawl of 36,350 m3/day water from the Kharoon river shall be obtained from the concerned department.
<b>PPs Submission:</b> Complied Required permission has been obtained from water resource dept. Govt. of CG vide letter no 5323/29/14/M/31/01, dated 28.10.02.		Date: 29/05/2024

14	WATER QUALITY MONITORING AND PRESERVATION	Zero effluent discharge shall be strictly followed and no waste water shall be discharged outside premises.
<b>PPs Submission:</b> Complied We are always maintained the zero-discharge condition.		Date: 29/05/2024
15	WASTE MANAGEMENT	All the blast furnace (BF) slag shall be granulated in slag granulated plant and provided to the cement manufacturers for further utilization. Flue dust from pellet plant, sinter plant, DRI and SMS and sludge from the BF shall be reused in sinter plant. Flue dust from beneficiation and cement units shall also be recycled. Coke breeze from coke oven plant shall be used in sinter and pellet plant. SMS slag shall be given for metal recovery or properly utilized. All the other solid / hazardous waste shall be properly utilized or disposed off in environment friendly manner. Waste oil and lubricant shall be sold to authorized recyclers.
<b>PPs Submission:</b> Complied The blast furnace granulated Slag is supplied to the Cement plant. Flue dust of SMS, sludge from Blast furnace is being utilized in Sinter plant. Flue dust from Pellet Plant is being used in process back. Coke breeze is used in Sinter Plant and SMS Slag used for road compacting/concreting after metal recovery. Used Oil is sold to the CPCB authorized re-processor/recycler.		Date: 29/05/2024
16	WASTE MANAGEMENT	A time bound action plan shall be submitted to reduce solid waste, its proper utilization and disposal.
<b>PPs Submission:</b> Complied The 100 % solid waste is being utilized as per recommended guidelines i.e. Bag filter dust GCP sludge, flue dust, mill scale and coke breeze is consume in sinter plant and pellet plant ESP & bag filter dust is recycle back in process. The remaining BF granulated slag sold to cement industries and SMS slag is utilized for road making after metal recovery.		Date: 29/05/2024
17	GREENBELT	As proposed, green belt shall be developed in an area of 133 ha (33%) within and around the plant premises to mitigate the effects of air emissions as per the CPCB guidelines in consultation with DFO.
<b>PPs Submission:</b> Complied More than 5 Lakh saplings have been planted in the plant and covered approx. 40% of area (186 ha) with green belt which is more than 33%.		Date: 29/05/2024
<b>General Conditions</b>		
Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the state government.
<b>PPs Submission:</b> Agreed to Comply Noted.		Date: 29/05/2024
2	Statutory compliance	No further expansion or modifications in the plant should be carried out without prior approval of Ministry of Environment and Forests.
<b>PPs Submission:</b> Agreed to Comply Noted.		Date: 29/05/2024

3	AIR QUALITY MONITORING AND PRESERVATION	The gaseous emissions from the 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 state board 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. On line continuous monitoring system shall be installed in stacks to monitor SPM and interlocking facilities shall be provided so that the process can be automatically stopped in case emission levels exceeds the limit.
<b>PPs Submission:</b> Complied The gaseous emissions from the units are kept below the prescribed norms. The standards specified by the State Pollution Control Board for the air, water or any other parameters as applicable are being adhered. Proper interlocking has been incorporated in the DCS system to avoid the emission in case of failure of pollution control system. In the event of failure of any pollution control system, the respective unit will not be restarted until the control measures are rectified to achieve the desired efficiency. CEMS has been installed for online monitoring of the stack emission. Ambient Air monitoring is done at 04 different locations in JNIL. And its real time monitoring data are transmitting to CECB/CPCB server regularly. Also the company all the environmental parameters being carried out by NABL accredited lab in every six month.		Date: 29/05/2024
4	AIR QUALITY MONITORING AND PRESERVATION	In plant control measures for checking fugitive emissions from all vulnerable sources like spillage/raw material/coal handling etc. shall be provided. Further, specific measures like provision of dust suppression system consisting water sprinkling, suction hood, fans and bag filters etc. shall be installed at material transfer point, blast furnace, stock house and other enclosed raw material handling area, centralized de-dusting system i.e. collection of fugitive emission through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack appropriately designed height conforming to the standards for induction furnaces existing in the industry and proposed induction and arc furnaces. Fugitive emissions shall be regularly monitored and record maintained.
<b>PPs Submission:</b> Complied To control fugitive emissions from all vulnerable sources like spillage/raw material/coal handling etc. covering of belts and proper skirt arrangements have been provided. Centralized de-dusting system (Bag filters) has been provided in the Stock house and cast house in Blast Furnace and other raw material handling areas. Dedicated water tankers and fix type water sprinkler have been provided to control the fugitive emission as well as regularly clean the road by road sweeping machine. Regular monitoring of the environmental parameters are being carried out as per guidelines and records are maintained.		Date: 29/05/2024
5	AIR QUALITY MONITORING AND PRESERVATION	At least four air quality monitoring stations should be established in the downwind directions as well as where maximum ground level concentration of SPM, SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with CECB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional office at Bhopal and the CECB/CPCB once in six months
<b>PPs Submission:</b> Complied 04 nos. Continuous ambient air Quality monitoring station (CAAQMS) and continuous emission monitoring system (CEMS) have been installed in plant. The real time data transmitting in CECB/CPCB server. Monthly Ambient and Stack emission monitored data is being submitted to CECB and once in six month to CPCB.		Date: 29/05/2024
6	WATER QUALITY MONITORING AND PRESERVATION	Industrial waste water properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31 December, 1993 or as amended from time to time. The treated

		waste water shall be utilized for plantation purpose.
<b>PPs Submission:</b> Complied All the industrial waste water collected and treated in ETP and treated Water is being utilized for plant process, dust suppression and green belt development		Date: 29/05/2024
7	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards ( 85 dBA) by the 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 (daytime) and 70 dBA (nighttime).
<b>PPs Submission:</b> Complied The noise levels are monitored regularly and overall noise level is kept below 85 dB (A) by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. We will always ensure that this is fully complied in future also. Ambient Noise level data monitored and submitted.		Date: 29/05/2024
8	Human Health Environment	Occupational Health Surveillance of the workers should be done on the regular basis and records maintained as per the Factories Act.
<b>PPs Submission:</b> Complied Periodical medical checkup is undertaken and records are maintained as per the Factories Act.		Date: 29/05/2024
9	MISCELLANEOUS	The Company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging ground water tables.
<b>PPs Submission:</b> Complied The Company has been constructed 10 nos. rain water harvesting pits and 05 nos. ponds to recharge ground water table at plant premises i.e. Administration Building, Central Store, SMS, Rolling Mill area, coke oven and DRI.		Date: 29/05/2024
10	MISCELLANEOUS	The project proponent shall also comply with all environmental protection measures and safe guard recommended in EIA/EMP report. Further the Company must undertake socio economic development activities in the surrounding villages like community development programmers, educational programmers, drinking water supply and health care's etc.
<b>PPs Submission:</b> Complied The period of October 23 to March 24 Rs. 3.18 Cr have been invested on Environmental Protection Measures. The company regularly doing CSR activity from the period of October 23 to March 24 Rs. 117.34 Lacs has been expended in our surroundings areas.		Date: 29/05/2024
11	MISCELLANEOUS	As proposed, Rs. 185.00 crores and Rs. 18.50 crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as state Government. An implementing schedule for implementing all the conditions stipulated here in shall be submitted to the Regional Office of Ministry at Bhopal. The funds so provided shall not be diverted for any other purposes.
<b>PPs Submission:</b> Complied The period of October 23 to March 24 Rs. 3.18 Cr have been invested on Environmental Protection Measures.		Date: 29/05/2024

12	MISCELLANEOUS	The Regional Office of this Ministry at Bhopal/CPCB/CECB will monitor the stipulated conditions. A six-monthly compliance report and monitored data along with statistical interpretation shall be submitted to them regularly.
<b>PPs Submission:</b> Complied The Company is regularly submitting the six-monthly reports along with the monitoring data to the concerned statutory authorities		Date: 29/05/2024
13	MISCELLANEOUS	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the CECB and may also be seen at Website of Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within the seven days of issue of the clearance letter., at least in two local newspaper that are widely circulated in the region of which one shall be in vernacular language of the locality concerned and a copy of the same should be forward to Regional Office.
<b>PPs Submission:</b> Complied Complied. Newspaper publication on Deshbandhu and Hitvada dated 25.08.2009.		Date: 29/05/2024
14	MISCELLANEOUS	Project authorities shall inform the Regional Office as well as the Ministry, the date of the financial closure and final approval of the project by the concerned authorities and the date of the commencing the land development work.
<b>PPs Submission:</b> Complied The date of the last financial closure and final approval of the project by 2015-16.		Date: 29/05/2024
<b>Visit Remarks</b>		
<b>Last Site Visit Report Date:</b>		02/02/2023
<b>Additional Remarks:</b>		