

To,  
The Ministry of Environment, Forests & Climate Change,  
Regional Office ( Eastern Central Zone ),  
Ranchi..

Date: 10.04.2024

**Subject : Compliance of Conditions given under the Environmental Clearance ( EC)**  
**Reference : E C for our Ferro Alloy Plant vide F. No. J-11011/156/2010/-1A-II(I) dated 16<sup>th</sup> February 2012.**

Dear Sir,

With regard to above mentioned subject under reference, we would like to inform your honour that we are complying the EC conditions as below:

**A. SPECIFIC CONDITION**

	<b>CONDITIONS</b>	<b>COMPLIANCE</b>
1.	No Charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources	We are not using charcoal. We are using pearl coke ,Lam coke and Semi coke as reductants in our furnace
2.	Continuous Monitoring facilities for all the stacks and sufficient Air Pollution Control Equipments viz. fume extraction system with bag filters, ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm <sup>3</sup> .	Continuous Monitoring facilities for all the stacks and sufficient Air Pollution Control Equipment's viz. fume extraction system with bag filters, ID fan etc is provided to control emissions below 50mg/Nm <sup>3</sup> . This has been certified by approved laboratory.
3.	National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November 2009 shall be followed.	Following continuously.
4	Secondary fugitive emission from all the sources shall be controlled issued by the ministry and regularly monitored. Guidelines / codes of practice issued by the CPCB shall be followed.	Such emission is under controlled and is within permissible limits issued by the ministry and regularly monitored. Following the guidelines /codes of practice issued by the CPCB continuously.

5	Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other source.	All efforts are being made to make use of Rain Water Harvested. Rain Water Harvesting Scheme considering entire unit premises of our plant is already approved by Ground Water Directorate, Govt. of Jharkhand and the approved scheme is already submitted to JSPCB. In the scheme proposals have been made to collect roof top water of industrial shed into <u>Rain Water Storage cum Percolation Pond</u> to use the same Rain water into Industrial Cooling Purposes, Green Belt Development, and Spraying on haul roads for dust suppression etc. We have constructed pond as per approved scheme and also recharge pit.
6	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar SPCB and CPCB.	Monitoring of surface water and ground water is carried out as per guidelines of SPCB / CPCB. There will be no industrial as well as domestic effluent is discharged from the unit.
7	The total water requirement shall not exceed 69m <sup>3</sup> /day. 'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.	The total water requirement is less than 69m <sup>3</sup> /day and the discharge of effluent is zero. No waste water is discharging outside the premises.
8	All the Ferro alloy slag shall be used for land filling inside the plant or used as building material only after passing through Toxic Chemical Leachability Potential (TCPL) test. Otherwise, hazardous substances shall be recovered from the slag and output waste and be disposed in secured landfill as per CPCB guidelines.	We are using Ferro Alloys Slag for land filling inside the plant as per CPCB guidelines.
9	Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn).	We have never produced Ferro Manganese.

10	No Ferro Chrome shall be manufactured without prior approval from the ministry  Environment & Forests.	Agree & Assure to take prior approval from the MoEF, if manufacture Ferro Chrome. And we don't have CFO also for Ferro Chrome.
11	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneshwar, SPCB and CPCB within 3 months of issue of environment clearance letter.	We have studied the Risk & Disaster Management Plan along with mitigation measures.
12	As proposed, green belt should be developed in at least 33% of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	<p>Total project area of our plant is 6.545 acres which includes office building, factory shed and raw material storage area. Out of this nearly 35% area i.e. 2.29 acres, we have kept reserved for <u>Green Belt Development</u> inside our factory campus. So far we have developed green belt nearly <u>40% of 2.23 Acres.</u> The rest will be completed side by side along with the construction of rest two Arc Furnaces. As the construction works of industrial sheds, roads and other civil structures are going on hence it is not possible to develop entire green belt at this stage.</p> <p>The plant species which we have selected in consultation with Forest Department and Environmental Experts which are as follows –</p> <ol style="list-style-type: none"> <li>1. Azadirachtaindica</li> <li>2. Albizialebeck</li> <li>3. Ficusebengalensis</li> <li>4. Ficusbengalensis</li> <li>5. Hibiscus Tiliaceus</li> <li>6. Lanneacoromandalica</li> <li>7. Peltophorumferrugineum</li> <li>8. Pungamiapinnata</li> <li>9. Samameasaman</li> <li>10. Terminaliaarjuna</li> <li>11. Meliaazedarachta</li> <li>12. Casuarinaequisetifolia</li> <li>13. Holopteliaintegrifolia</li> <li>14. Acaciaholoserica</li> </ol> <p>The aforesaid species are suitable for pollution and environmental improvement considering the climate pattern, soil suitability and also</p>

		<p>aesthetic point of view. These trees can arrest dust circulation and deposition by showing wind speed. Plant tissues absorb gases pollutants primarily within leaves and are absorbed at leaf surface.</p>
<p><b>13</b></p>	<p>All the commitments made to the public during the Public Hearing/ Public Consultation meeting held on 19<sup>th</sup> April,2011 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.</p>	<p>In light of Public Hearing / Public Consultation meeting held on 19<sup>th</sup> April 2011, we have done the following social works in the interests of surrounding areas people:</p> <p><b>A.</b> Distributed Cloths, Bitten Rice etc. among the poor people of the area on the Annual Festival Maker Shankranti.</p> <p><b>B.</b> Donated Football, Jersey Sets, Goal Posts etc. to Football Club of Kadambeda Village to encourage the youths of the surrounding area.</p> <ol style="list-style-type: none"> <li>1. Constructed One Hall at Dhalbhumgarh Youth Club, Dhalbhumgarh for social functions of surrounding villagers.</li> <li>2. Sponsored One Teacher School running by friends of Tribal Society in the village of Dumria, Jamshedpur.</li> <li>3. Organized Free Medical Health Check Up Camp at Village Nutangarh in which nearly 500 people participated for health check up. We arrange such Medical Camp at different places in the interval of every six months.</li> </ol> <p>This is our continuous process. We understand our Corporate Responsibility for the betterment of surrounding areas like batter standard of living, batter quality of life etc.</p>

<p><b>14</b></p>	<p>At least 5% of the total cost of the project should be earmarked towards the Enterprise social commitment and item-wise details along with time-wise details along with time bound action plan (need based) should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar Implementation of such program shall be ensured accordingly in a time bound manner.</p>	<p>Considering 5% of the total cost of the project i.e. 49.53 Crores i.e. Rs. 2.5 Crores or Rs. 250 Lakhs for Social Welfare Activities in respect of our unit.</p> <p>This is our Budgeted Allocation for the span of 10 years from the date of establishment of the unit. We are going for the following social Activities :</p> <ol style="list-style-type: none"> <li>1. Providing water supply and sanitation facilities in the villagers of surrounding areas. The facilities includes providing hand pumps, toilets, open/deep wells, bore wells etc.</li> <li>2. <b>Providing</b> arrangements for Rain Water harvesting. Arrangements will include construction of Talav (ponds), recharge pit/recharge trench etc. in the villages.</li> <li>3. Green Belt development. This includes tree plantation in the villages of surrounding areas.</li> <li>4. Arranging Medical Camp and establishment of Rural Health Care Centre in the surrounding villages.</li> <li>5. Construction of Community Halls for Social Functions such as Marriages, Local Festival / Mela etc.</li> <li>6. Keep provision for buffer for CSR as per recommendation of Local Bodies &amp; Administration.</li> <li>7. Establishment of schools for the children of surrounding villages – Encourage Adult Education etc.</li> <li>8. For carrying out aforesaid activities as per requirement and on recommendations of Local Bodies and Administration, the</li> </ol>
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Year Wise Budgeted Allocation will be as follows :

<b>Year</b>	<b>Yearly Budgeted Allocation</b>
2012 – 13	10 Lakhs – out of which Rs. 10.02 Lakhs has utilized
2013 – 14	30 Lakhs- out of which Rs. 30.01 Lakhs has utilized
2014 – 15	20 Lakhs-out of which Rs. 20.04 Lakhs has utilized
2015 – 16	20 Lakhs-out of which Rs. 20.05 Lakhs has utilized
2016 – 17	20 Lakhs-out of which Rs. 20.01 Lakhs has utilized
2017 – 18	30 Lakhs-out of which Rs.30.06 Lakhs has utilized
2018 – 19	30 Lakhs- out of which Rs.30.20 Lakhs has utilized
2019 – 20	30 lakhs- out of which Rs.13.70 Lakhs has utilized

2020 – 21	30 Lakhs- out of which Rs.11.38 Lakhs has utilized
2021 – 22	30 Lakhs,Out of which Rs 18.37 Lakh has utilized.
2022 - 23	30 Lakhs,Out of which Rs 20.60 Lakh has utilized.

**Total Rupees 250.Lakhs**  
Total expense incurred during the Financial Year 2012 – 13, Rs. 10,01,800/-

<b>Expenditure Details</b>	<b>Amount (Rs.)</b>
Arranging Medical Camp	50,000/-
Establishment & Construction of Youth Club at Dhalbhumgarh	2,00,000/-
Distribution of Blankets, Cloths & Bitten Rice	25,000/-
Establishment of Football Club and distribution of Footballs, Jerseys etc.	20,000/-
Arranging Mass Awareness Programme among villagers on Rain Water Harvesting	30,000/-
Miscellaneous Expenditures in the interests of villagers	15,000/-

Donation for fund funerals of poor village ladies	30,000/-
Donation for marriage of poor village girls'	33000/-
Arranging Medical Camp	85,500/-
Distribution of Blankets, Cloths & Rice	64,500/-
Distribution of Football, Jerseys etc.	19,800/-
Donation to Friends of Tribal Society for Twenty Four One Teacher School @ Rs. 16000/- each	3,84,000/-
Donation for marriage of poor village girls'	45,000/-
<b>Total</b>	<b>10,01,800/-</b>

Total expense incurred during the Financial Year 2013 -14, Rs. 30,01,200/-

<b>Expenditure Details</b>	<b>Amount (Rs)</b>
Arranging Medical Camp	5,80,400/-
Distribution of Blankets, Cloths & Rice	5,21,400/-
Distribution of Football, Jerseys etc.	48,600/-
Donation to Friends of Tribal Society for Fifty Teacher School @ Rs. 16000/- each	8,00,000/-



Donation for marriage of poor village girls	6,80,900/-
Miscellaneous Expenditures in the interests of villagers	3,69,900/-
<b>Total</b>	<b>30,01,200/-</b>

Total expense incurred during the Financial Year 2014 -15, Rs. 20,04,000/-

<b>Expenditure Details</b>	<b>Amount (Rs)</b>
Arranging Medical Camp	3,02,600/-
Distribution of Blankets, Cloths & Rice	1,48,500/-
Distribution of Football, Jerseys etc.	32,300/-
Donation to Friends of Tribal Society for Fifty Teacher School @ Rs. 16000/- each	8,00,000/-
Donation for marriage of poor village girls	3,20,400/-
Miscellaneous Expenditures in the interests of villagers	4,00,200/-
<b>Total</b>	<b>20,00,400/-</b>

Total expense incurred during the Financial Year 2015 -16, Rs. 20,05,200/-

		<b>Expenditure Details</b>	<b>Amount (Rs)</b>
		Arranging Medical Camp	3,10,000/-
		Distribution of Blankets, Cloths & Rice	1,49,000/-
		Distribution of Football, Jerseys etc.	30,000/-
		Donation to Friends of Tribal Society for Forty Teacher School @ Rs. 20000/- each	8,00,000/-
		Donation for marriage of poor village girls	3,26,000/-
		Miscellaneous Expenditures in the interests of villagers	3,90,200/-
		<b>Total</b>	<b>20,05,200/-</b>
<p>Total expense incurred during the Financial Year 2016 -17, Rs. 20,01,000/-</p>			
		<b>Expenditure Details</b>	<b>Amount (Rs)</b>
		Arranging Medical Camp	3,09,000/-
		Distribution of Blankets, Cloths & Rice	1,50,100/-
		Distribution of Football, Jerseys etc.	31,000/-
		Donation to Friends of Tribal	8,00,000/-

Society for Forty Teacher School @ Rs. 20000/- each	
Donation for marriage of poor village girls	3,24,500/-
Miscellaneous Expenditures in the interests of villagers	3,86,400/-
<b>Total</b>	<b>20,01,000/-</b>

Total expenses incurred during the Financial Year 2017 -18 Rs. 30,06,000/-

<b>Expenditure Details</b>	<b>Amount (Rs)</b>
Arranging Medical Camp	5,06,000/-
Distribution of Blankets, Cloths & Rice	3,10,000/-
Distribution of Football, Jerseys etc.	90,000/-
Donation to Friends of Tribal Society for Twenty Four Teacher School @ Rs. 20000/- each	12,00,000/-
Donation for marriage of poor village girls	4,40,000/-
Miscellaneous Expenditures in the interests of villagers	4,60,000/-
<b>Total</b>	<b>30,06,000/-</b>

Total Expenses incurred during the Financial Year 2018 -19, Rs. 30,20,000/-, the details of which are as follows :

<b>Expenditure Details</b>	<b>Amount (Rs)</b>
Arranging Medical Camp	4,90,000/-
Distribution of Blankets, Cloths & Rice	3,10,000/-
Distribution of Football, Jerseys etc.	1,25,000/-
Donation to Friends of Tribal Society for Sixty Teacher School @ Rs. 20000/- each	12,00,000/-
Donation for marriage of poor village girls	4,45,000/-
Miscellaneous Expenditures in the interests of villagers	4,50,000/-
<b>Total</b>	<b>30,20,000/-</b>

Similarly, during the Financial Year 2019-20, till now we have incurred Rs.13,70,000 /-, the details of which are as follows :

<b>Expenditure Details</b>	<b>Amount (Rs)</b>
Arranging Medical Camp	1,90,000/-
Distribution of Blankets, Cloths & Rice	1,45,000/-

Distribution of Football, Jerseys etc.	55,000/-
Donation to Friends of Tribal Society for Twenty Five Teacher School @ Rs. 20000/- each	5,00,000/-
Donation for marriage of poor village girls	2,25,000/-
Miscellaneous Expenditures in the interests of villagers	2,05,000/-
Help to needy people during COVID-19	50,000/-
<b>Total</b>	<b>13,70,000/-</b>

Similarly, during the Financial Year 2020-21, till now we have incurred Rs.15,38,000 /-, the details of which are as follows :

<b>Expenditure Details</b>	<b>Amount (Rs)</b>
Distribution of Cloths & Rice	3,15,000/-
Donation to Friends of Tribal Society for Fifteen Teacher School @ Rs. 24000/- each	3,60,000/-
Miscellaneous Expenditures in the interests of villagers	1,85,000/-
Help to needy people during COVID-19	3,28,000/-

Arranging Medical Camp during COVID-19	3,50,000/-
<b>Total</b>	<b>15,38,000/-</b>

Total Expenses incurred during the Financial Year 2021-22 Rs. 18,37,450/-, the details of which are as follows :

<b>Expenditure Details</b>	<b>Amount (Rs)</b>
Arranging Medical Camp	90,000/-
Distribution of Blankets, Cloths & Rice	3,30,150/-
Distribution of Football, Jerseys etc.	1,40,000/-
Donation to Friends of Tribal Society for Twelve Teacher School @ Rs. 24000/- each	6,48,000/-
Miscellaneous Expenditures in the interests of villagers	6,29,300/-
<b>Total</b>	<b>18,37,450/-</b>

Total Expenses incurred during the Financial Year 2022-23 Rs. 20,60,000/-, the details of which are as follows :

Expenditure Details	Amount (Rs)
Donation to Durga Memorial Welfare Society for development of Education and Welfare Activities	14,00,000/-
Distribution of Blankets, Cloths & Rice	3,70,000/-
Distribution of Football, Jerseys etc.	80,000/-
Arranging Medical camp	2,10,000/-
<b>Total</b>	<b>20,60,000/-</b>

Total Expenses incurred during the Financial Year 2023-24 Rs. 45,00,000/-, the details of which are as follows :

Expenditure Details	Amount (Rs)
Donation to Adivasi Welfare Trust of Education and Welfare Activites	45,00,000/-

**Total 45,00,000/-**

**15** 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, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

We have made the provision for the housing for Labours within the site with all necessary infrastructure and facilities.

1) **GENERAL CONDITION**

1	The project authorities must strictly adhere to the stipulation made by the Jharkhand Pollution Control Board (JPCB) and the state Government.	We are Strictly adhering the stipulations made by Jharkhand Pollution Control Board (JSPCB) and the State Government.
2	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Shall be complied strictly.
3	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO <sub>2</sub> and NO <sub>X</sub> are anticipated in consultation with the JPCB including one ambient air quality monitoring station in the downwind direction. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the JPCB/ CPCB once in six months.	We have submitted the data on Ambient Air Quality and Stake Emission to the JSPCB. However, we are submitting herewith the current data on Ambient Air Quality and Stake Emission.
4	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended form time to time. The treated wastewater shall be utilized for plantation purpose.	We are collecting the industrial waste water properly. No waste water is discharging from our plant. The water used for Industrial Cooling is being recycled for reuse.
5	The overall noise levels in and around the plant area shall be kept well within the standard (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 (daytime) and 70 dBA (nighttime).	The Overall Noise Levels are within the standards prescribed under EPA Rules 1989. We have submitted the Ambient Noise Report to the JSPCB. However, we are submitting herewith the current report on Ambient Noise.



6	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers is conducting on a regular basis and records will be maintained as per the Factories Act.
7	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rain Water Harvesting Scheme considering entire unit premises of our plant is already approved by Ground Water Directorate, Govt. of Jharkhand and the approved scheme is already submitted to JSPCB. In the scheme all efforts are being made to make use of Rain Water Harvested. In the scheme proposals have been made to collect roof top water of industrial shed into <u>Rain Water Storage</u> cum Percolation Pond to use the same Rain water into Industrial Cooling Purposes, Green Belt Development, Spraying on haul roads for dust suppression etc. We have constructed pond as per approved scheme and also recharge pit.
8	Our Project is Complied with all the Environmental Protection measures and safeguards as recommended in the EIA / EMP Report. We are continue in Social Development Activities in the surrounding villages which we have already explained in the specific condition no. 14 of EC.	Our Project is Complied with all the Environmental Protection measures and safeguards as recommended in the EIA / EMP Report. We are continue in Social Development Activities in the surrounding villages which we have already explained in the specific condition no. 14 of EC.
9	Requisite funds shall be earmarked towards the capital cost and recurring cost/annum for environmental protection measures and judiciously utilized to implement the condition stipulated by the Ministry of Environment and forests as well as the state Government. The funds so provided shall not be diverted for any other purpose.	Budgetary provision has already been made for Pollution Control Measures and implementation of the conditions as stipulated by MOEF. The total budget for such purpose will be 15% of the total cost of budget and even more as per guidelines of MOEF / CPCB / JSPCB as and when required by them.
10	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 website of the company by the proponent.	A copy of clearance letter has been send to concerned Panchayat, Zila Parishad .

<p><b>11</b></p>	<p>The project component shall upload the status of compliance of the stipulated environment clearance condition, including results of monitored data on their website shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF, the respective Zonal Office of CPCB and the <b>JPCB</b>. The criteria pollutant levels namely: SPM, RSPM, SO<sub>2</sub>, Nox (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.</p>	<p>We have no website but in future we will do it. We will display the polluting parameters in respect of stake emission and ambient air quality of the factory premises on the display board at the main gate of the company.</p>
<p><b>12</b></p>	<p>The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental condition including results of monitored data (both in hard copies as well as by e-mail) to the regional Office of MOEF at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / JPCB shall monitor the stipulated condition.</p>	<p>We will submit six monthly reports on the status of compliance of the stipulated environmental condition including results of monitored data to the Regional Office of MOEF Bhubaneswar/Ranchi and the respective zonal office of CPCB and the SPCB.</p>
<p><b>13</b></p>	<p>The environmental statement for each financial year ending 31<sup>st</sup> 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 environmental condition and shall also be sent to the respective Regional Offices of the MOEF by e-mail.</p>	<p>We are submitting the Environmental Statement for each Financial Year and the same shall be submitted in due course.</p>

14	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 JPCB and may also be seen at website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office at Bhubaneswar.	We are informing the public that our project has been accorded Environmental Clearance by the ministry and copies of the clearance letter are available with the JSPCB.
15	Project authorities 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 and the date of commencing the land development work.	We have informed the Regional Office as well as the Ministry, the date of financial closure, final approval and the date of commencing the land development work.

We request your honour to take the above in to consideration and do the needful please.

Thanking you!!

Your's faithfully.

**CC to : 1. Jharkhand State Pollution Control Board , Ranchi**

**2. Regional Office, JSPCB, Adityapur, Jamshedpur.**