

Ref: **VSL/MOEF&CC/2023-24/**

April 3, 2023

To,

The Scientist-B
Ministry of Environment Forests & Climate change.
Regional office (EZ),
A/3, Chandrasekharpur,
BHUBANESWAR – 751023, Odisha

Sub.: Half yearly Compliance Status of Environmental Clearance for the period from October-2022 to March-2023.

Ref.: (a) Environment Clearances No. : F. No. J-11011/33/2007-IA II (I), dtd. 12.06.2007
(b) Environment Clearances No. : F. No. J-11011/1000/2007-IA II (I), dtd. 03.07.2008
(C) Environment Clearances No. : F No. J-11011/491/2009-IA II (I) Dated 28th Oct, 2009

Dear Sir,

With reference to the above subject, please find enclosed herewith six monthly compliance status of Environmental Clearances (F. No. J-11011/33/2007-IA II (I), dated 12.06.2007, F. No. J-11011/1000/2007-IA II (I), dated 03.07.2008 & F No. J-11011/491/2009-IA II (I) Dated 28th Oct, 2009) for the period October-2022 to March-2023 along with monitoring report of Ambient Air Quality, Stack Emission, Effluent Quality and Noise monitoring for your kind information please.

Thanking you,

Yours faithfully,

For VISA Steel Limited


(Asit Kumar Patry)
Head-EHS



- Copies to: 1) The Member Secretary, State Pollution Control Board, Odisha, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit VIII, Bhubaneswar
2) The Member Secretary, Central Pollution Control Board, New Delhi

VISA Steel Limited
(CIN:L51109OR1996PLC004601)

Plant Office: Kalinganagar Industrial Complex, At/Post: Jakhapura- 755026, Dist. Jajpur, Odisha
Registered Office: VISA HOUSE, 11 Ekamra Kanan, Nayapalli, Bhubaneswar 751015

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE
MoEF Letter No.: F No. J-11011/33/2007-IA II (I) Dated 12th June,2007

Sl. No.	CONDITIONS	COMPLIANCE STATUS
SPECIFIC CONDITIONS:		
1.	The gaseous emission from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The Orissa State Pollution Control Board (OSPCB) 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 level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	<p>Being Complied.</p> <ul style="list-style-type: none"> • Regularly monitoring of stack emission (PM & Gaseous) is being carried out for all stacks. • Monitoring reports are being submitted to State Pollution control Board, CPCB & Ministry of Environment & Forest on regular basis. The monitoring results are well within the prescribed norms. • Monitoring Results for the period from October-2022 to March-2023 is enclosed in the ANNEXURE-1 • Interlocking facilities provided at DRI, Ferrochrome, CPP for stopping the process automatically incase emission level exceeds the limit.
2.	Continuous Stack monitoring facilities for all the major stacks and adequate air pollution control systems shall be provided to keep emission levels below 50 mg/Nm ³ and reports submitted to the OSPCB & CPCB.	<p>Complied.</p> <ul style="list-style-type: none"> • 8 Nos. of Continuous stack monitoring facilities have been installed at chimneys of WHRB- 1 & 2, Power Plant and FeCr Plant and coke oven plant. • Air Pollution Control Systems are provided at MBF, DRI, CPP, FeCr & Coke Oven. • Emission level has been maintained well within the prescribed norms. • Installed 03 nos. of ESP at Captive Power Plant, 11 nos. of DES/bag filter, 02 nos. of GCP & 02 nos. of FES in different operating units as per the requirement of the process to control the air pollution.
3.	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Gas cleaning system in MBF, Fume and dust extraction system to BF stock house, DRI kiln, DRI EAF, Ore and Coal crushing & Screening section, Coke oven etc. and bag filter in SMS, pulse jet type bag filter system in raw material handling area will be provided to control	<p>Being Complied.</p> <ul style="list-style-type: none"> • Gas cleaning plant consisting of dust catcher, thickener, scrapper & settling tank is being operated at MBF unit and additional 15 nos. of DFS at ground hopper, belt conveyor and 16 nos. of DSS have been installed at raw material yard, internal road and other areas to control the fugitive emission. In addition

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	<p>fugitive emissions. ESP to WHRB to control emissions within 100 mg/Nm³ and bag filters to DRI kiln, EAF, BF, Submerged Arc Furnace (SAF), Coke oven plant, Lime plant, Dolo plant will also be provided to control air emissions within 50 mg/Nm³. further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting of the roads shall be done to control fugitive emissions.</p>	<p>to that there are FES and DES installed to abate the secondary fugitive emission at Blast furnace.</p> <ul style="list-style-type: none"> • 20 Nos. of fixed type water sprinklers have been installed at raw material storage yard for suppression of dust generated during transportation of raw material • 7 Nos. of Rain gun type sprinklers installed near main gate to control fugitive dust emission. • Gas cleaning Plant consisting of heat exchangers, cyclones & bag houses have been installed in Ferro-chrome Plant. • DSS at internal roads and Water spraying nozzles installed at over the belt conveyors and ground hopper for suppression of fugitive dust generation in Ferro-chrome Plant. • Additional 16 nos. of Dry Fog System (DFS) and 11 Nos. of Dust Suppression System (DSS) provided at Power Plant area for water sprinkler through pipe for suppression of fugitive emission. • Fixed type water spraying nozzles at belt conveyor, 36 Nos. DFS at Ground Hopper of coal feeding point and 131 Nos. DSS at belt conveyor, raw material yard and internal road at DRI unit and iron ore crusher for suppression of fine dust particles generated during material transfer of DRI Plant. • Adequate Dry Fog System and DSS has been installed at Ground Hopper Briquette Plant, raw material yard and conveyor belt of Ferro-chrome units. • There are De-dusting systems (approx. 100 nos. of hoods and dampers) attached with different junction houses of Kiln Cooler Discharge, Intermediate Bins and Product Hopper circuit of Sponge Iron unit to suppression fugitive dust generation. • Pug Mill is attached with dust storage

Sl. No.	CONDITIONS	COMPLIANCE STATUS
		<p>silo for appropriate moisture addition during unloading of dust in the Hvyas.</p> <ul style="list-style-type: none"> • 05 Nos. of telescopic type unloading spout have been installed at Product Separation Building of Sponge Iron Plant, for unloading of Sponge Iron lumps, fines and Dolochar without creating fugitive dust generation at DRI Plant unit. • Adequate DES installed at different operating process of DRI. • Installed 03 nos. of ESP at Captive Power Plant, 11 nos. of DES/bag filter, 02 nos. of GCP & 02 nos. of FES in different operating units as per the requirement of the process to control the air pollution. • 03 Nos. of telescopic type unloading spout have been installed at Fly-ash Silo of Power Plant, for unloading the Fly-ash without creating any dust nuisance at Power Plant. • 03 Nos. of telescopic type unloading spout have been installed at GCP Silo of SMS for unloading of GCP dust without creating fugitive dust generation at SMS. • 02 Nos. of telescopic type unloading spout have been installed at GCP silo of Ferrochrome unit for unloading of GCP dust without creating fugitive dust generation at Ferro-chrome unit. • 02 Nos. of Dust extraction systems have been installed at hammer Crusher-1&2 of Coal delivery circuit of Coke Oven Plant • 360 degree rotational 08 no.of Rain gun type water sprinkler are installed at coal yard &Coke yard 08no.of Impact sprinkler installed at other area of coke oven. Another 29 no.of impact sprinkler are installed from hammer crusher Road to learning center.3nos of impact type sprinkler installed at ground hopper. • Complied with water tanker engaged for water sprinkling on internal roads of the plant premises for suppression of fugitive dust emission at Coke Oven unit. And also 29 no. of fixed type impact sprinkler are installed

Sl. No.	CONDITIONS	COMPLIANCE STATUS
		<p>along the internal road.</p> <ul style="list-style-type: none"> Regular water sprinkling is being carried out at dust generating areas.
4.	<p>Secondary fugitive emission shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines/Code of practice issued by the CPCB in this regard shall be followed.</p>	<p>Being Complied.</p> <p>Adequate FES and DES installed to abate the secondary fugitive emission at different units i.e. Blast furnace, Ferrochrome, SMS and DRI. Also work zone air quality monitoring is being carried out on regular basis and required corrective actions are being taken care.</p>
5.	<p>Total requirement of water from River Bramhani/Kharsuan shall not exceed 39,600 m³/day and prior 'Permission' for the total water requirement shall be obtained from the Department of water resources, Govt. of Orissa before commissioning the project. Effluent Treatment Plant (ETP) shall be installed for the treatment of process water. Cooling tower and boiler blow down water will be used for coke quenching. All the waste water generated shall be treated, recycled and reused either in the process or for dust suppression or green belt development. No waste water shall be discharged outside the factory premises and 'Zero' discharge shall be adopted. Domestic effluent shall be treated in septic tanks by soak pits.</p>	<p>Complied.</p> <ul style="list-style-type: none"> We have already obtained permission from IDCO, Govt. of Odisha for drawl of 250m³/hr. of water from River Bramhani for phase -1 through agreement. The total Cooling tower & boiler blow down water and DMP generated water is collected in a common drain and sent to ETP followed by RO of capacity 1000 KLD and water being utilized in production process as per requirement. Thus, there is no waste water discharge from CPP unit. Cooling tower & boiler blow down water is being used for coke quenching & dust suppression at internal roads. Domestic waste water is being used for Horticultural activities. No waste water discharged to outside premises. "Zero" discharge is being maintained. Three number of Sewage Treatment Plant have been established for treatment of domestic waste water at GT Hostel, colony and canteen building. Treated water is being reused for plantation purpose. Runoff water is not being discharged outside the plant premises. however as per SPCB guide line we had constructed Surface runoff treatment System(SRTS) for treatment of surface runoff water of factory premises, coal & raw material stack yard and utilized in-house for Quenching, dust suppression and plantation activities.
6.	<p>All the Iron skull, scrap from CCM and char shall be used in EAF. Semi-burnt coke dust</p>	<p>Being Complied.</p> <ul style="list-style-type: none"> Presently iron skull, scrap, iron ore fines,

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	<p>and coke breeze shall be reused in the power plant. Iron ore fines shall be sold to sinter plant for reuse. BF slag (granulated) shall be sold to cement plants. BF dust, Thickener mud, EAF/LRF dust, fines from ESPs, EAF slag shall be used for land filling, road construction etc. Slag from Ferro chrome unit shall be disposed off in a suitably designed landfill as per CPCB guidelines to prevent leaching to the sub-soil and underground aquifer. Used oil shall be sold to recyclers and re-processors only.</p>	<p>coke fines, BF slag are being sold to other users.</p> <ul style="list-style-type: none"> • 100% Char is being used at CFBC Boiler. • Bag filter dust, thickener sludge, are being used for land filling and road construction. Ash from ESP is being supplied to brick manufacturing units. • We have installed Metal Recovery Plant (Zigging plant) for chromium recovery from slag. After recovery, ferrochrome slag is being reused for internal road making & construction of building etc. • Whatever used oil generated from different units being sold to authorized recyclers as per hazardous waste (Management, handling and trans-boundary) Rule.
7.	<p>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.</p>	<p>Complied.</p> <ul style="list-style-type: none"> • We have already installed a pressure recharge rain water harvesting system at our GT hostel. • At rain water reservoir another Reverse Osmosis process(Cap. 50 M³/hr), and this R.O. water being utilized in production process as per requirement.
8.	<p>Out of total 448 ha, green belt shall be developed in 181 ha. Area within and around the plant premises as per the CPCB guidelines in consultation with DFO</p>	<p>Complied.</p> <p>Total Area of plant premises : 525.0 (Ac.) Area covered by plantation : 173.5 (Ac.) No. of saplings Planted : 162256 (approx.)</p>
9.	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.</p>	<p>Being Complied.</p> <ul style="list-style-type: none"> • We have established a well-equipped First Aid Centre with all necessary facilities and manned round the clock. • Periodical health checkup of employees and contractual workers are carried out regularly. • This year total 652 employees covered in periodical medical examination. All medical records are maintained.
10.	<p>Recommendations made in the CREP guidelines issued for the steel plants shall be implemented.</p>	<p>Complied.</p> <p>We are adhering to CREP guidelines.</p>
<p>GENERAL CONDITIONS:</p>		

Sl. No.	CONDITIONS	COMPLIANCE STATUS
1.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OSPCB) and the State Government.	<p>Being Complied.</p> <p>We are regularly complying with all the conditions stipulated by SPCB/ CPCB.</p>
2.	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	<p>Noted.</p> <p>No expansion or modernization will be carried out without prior approval of Ministry of Environment & Forests.</p>
3.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentrations of SPM, SO ₂ , NO _x are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the OSPCB/CPCB once in six months.	<p>Complied.</p> <ul style="list-style-type: none"> • We have established four Ambient Air Quality Monitoring Stations after consultation with Regional Officer OSPCB. • Ambient air quality, stack emission monitoring is being carried out as per SPCB, Odisha prescribed norms. • Monitoring results are being submitted regularly to SPCB & MoEF. 24x7 data transfer to SPCB and CPCB. The monitoring report of six month is herewith attached in the ANNEXURE-1
4.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	<p>Being Complied.</p> <ul style="list-style-type: none"> • All the industrial waste water is being recycled back by closed circuit system after adequate treatment. • Domestic waste water is being reused for plantation & dust suppression on roads.
5.	The overall noise levels in and around the plant are 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 (daytime) and 70 dBA (nighttime)	<p>Being Complied.</p> <ul style="list-style-type: none"> • Adequate noise control measures have been installed and are also considered in the designing parameters. • Ambient noise levels are being measured at various locations and noise level are well within the prescribe norms. • Monitoring Results for the period from October-2022 to March-2023 is enclosed in the ANNEXURE-1
6.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socioeconomic development activities in the surrounding villages like community development programmes, educational programmes, drinking water	<p>Being Complied.</p> <ul style="list-style-type: none"> • Environment protection measurement proposed in the EIA & EMP report have been implemented. • Socio-economic development activities are ongoing in different Villages. Surrounding the plant areas focus of

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	supply and health care etc.	development are community development programs, educational programs, drinking water supply and health care etc. Dedicated CSR team is working for their activities having expertise and skill.
7.	As mentioned in the EIA/EMP, Rs.100.00 Crores earmarked towards capital cost and recurring cost/annam for environment pollution control measures shall be judiciously utilized to implement the conditions 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.	<p>Complied.</p> <ul style="list-style-type: none"> • We have complied with all those stipulated conditions proposed in our EIA/EMP report. • The fund earmarked for Environmental Protection shall not be diverted in any other purposes at any circumstances.
8.	The Regional Office of this Ministry at Bhubaneswar / CPCB / OSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	<p>Noted.</p> <p>We are adhering to the schedule and accordingly reports are being submitted to Regional Offices of OSPCB, CPCB and MoEF regularly.</p>
9.	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 OSPCB / Committee and may also be seen at website of the Ministry of Environment and Forest at http://www.envfor.nic.in . 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.	<p>Complied.</p>
10.	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.	<p>Complied.</p>

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE
MoEF Letter No.: F No. J-11011/1000/2007-IA II (I) Dated 3rd July, 2008

Sl. No.	CONDITIONS	COMPLIANCE STATUS
A. SPECIFIC CONDITIONS:		
1.	On-line stack monitoring facilities for all the stacks and sufficient air pollution control equipments viz. Electrostatic precipitators (ESPs) shall be provided to Captive Power Plant to control particulate matter from AFBC boilers within 100 mg/Nm ³ and reports submitted to the Ministry's Regional Office at Bhubaneswar OPCB & CPCB.	<p>The following compliances are being made for the Power Plant installed under earlier EC.</p> <ul style="list-style-type: none"> • We have installed of 03 Nos. of stack emission monitoring (gaseous & Dust emission) analyzers at 75 MW Power Plant at the chimneys of WHRB-I & II & CFBC Power Plant. • Adequate pollution control equipment/ devices are like ESP, Bag filters have been installed at CPP to keep the particulate matter emission within the prescribed limits. • Monthly monitoring results are being submitted to SPCB, Odisha and six month compliance reports are being submitted to Regional Office of MoEF & CPCB regularly.
2.	Bag filters shall be provided to the reheating furnace and electric arc furnace to control the particulate emissions below 50 mg/Nm ³ . Stack of adequate height shall be provided to the reheating furnace in rolling mill section. The hood for fume extraction and spark arrestor, bag filters etc. shall be provided to control particulate matter from the stack attached to the induction furnace in Steel melting Shop (SMS).	<p>Complied.</p> <ul style="list-style-type: none"> • The Air pollution Control measures adopted at Steel Melting Shop are encapsulated water jacket in the duct line of the flue gas, hair pin cooler system, bag filter, ID fans and the chimney with a height of 50 M above the ground level. Hood/ canopy have been made to extract the dust from the work floor area. Finally all the duct lines are connected with main flue gas duct line of EAF & LRF before hair pin cooling system. • The stack attached with the reheating furnace in rolling mill section is of 72 m height.
3.	Gaseous emissions including 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.	<p>Complied.</p> <ul style="list-style-type: none"> • Gaseous emissions including secondary fugitive emissions from all the sources are being monitored regularly and the results are well within the latest permissible limits.
4.	Dust suppression and extraction system shall be provided to raw material handling areas crusher house, junction towers, feed point,	<p>Complied.</p> <ul style="list-style-type: none"> • Water sprinklers and dry fog systems are

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	conveyors and transfer points. Water sprinkling shall be done in stockyard.	<p>installed at different junction towers, conveyors and transfer points.</p> <ul style="list-style-type: none"> 03 nos. 12 KL capacity truck mounted water tanker engaged for water sprinkling (6AM to 10PM) in stockyards and raw material storage yards on regular basis for suppression of dust.
5.	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.	<p>Being Complied.</p> <ul style="list-style-type: none"> 03 nos. water tankers sprinkling is being done from 6 AM to 10 PM on regular basis on internal roads of the plant premises to suppress the dust due to vehicular movement and raw material and product storage yards being taken care of.
6.	Total water requirement from River Kharsua shall not exceed 1,498 m ³ /hr. Closed circuit circulating/cooling water system shall be used. The wastewater from the demineralization (DM) plant shall be neutralized in neutralization pit. All the treated wastewater shall be recycled and reused either in the process or for dust suppression, green belt development and various other activities at the site. 'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be treated in septic tank followed by soak pit and used for green belt development.	<p>Complied.</p> <ul style="list-style-type: none"> We have already obtained permission from IDCO, Govt. of Odisha for drawl of 250m³/hr of water from River Bramhani for phase -1 through agreement. The total Cooling tower & boiler blow down water and DMP generated water is collected in a common drain and sent to ETP followed by RO of capacity 1000 KLD and water being utilized in production process as per requirement. Thus, there is no waste water discharge from CPP unit. Cooling tower & boiler blow down water is being used for coke quenching & dust suppression at internal roads. Domestic waste water is being used for Horticultural activities. No waste water discharged to outside premises. "Zero" discharge is being maintained. Three number of Sewage Treatment Plant have been established for treatment of domestic waste water at GT Hostel, colony and canteen building. Treated water is being reused for plantation purpose. Runoff water is not being discharged outside the plant premises. however as per SPCB guide line we had constructed Surface runoff

Sl. No.	CONDITIONS	COMPLIANCE STATUS
		treatment System(SRTS) for treatment of surface runoff water of factory premises, coal & raw material stack yard and utilized in-house for Quenching, dust suppression and plantation activities.
7.	Prior permission for the drawl of 1,498 m ³ /hr from River Kharsua shall be obtained from the concern department. No effluent shall be discharged outside the plant premises and 'Zero' discharge should be adopted.	<p>Complied.</p> <ul style="list-style-type: none"> • Necessary permission already obtained for drawl of water. • No effluent is being discharged to outside the plant premises maintaining Zero discharge.
8.	Metallic scrap, scales and mill cuttings shall be recycled and reused in the process. Slag and refractory waste shall be properly disposed off in environment friendly manner. All the char from DRI plant and coke fines shall be utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else. Mill scale and dust from Rolling mill shall be used in sinter plant. Scrap shall be used in SMS; Broken refectories shall be disposed off in environment friendly manner. Used oil shall be sold to authorized recyclers/ re-processors only.	<p>Being Complied.</p>
9.	All the SMS Slag shall also be properly utilized or disposed off in environment friendly manner. Slag shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Toxic slag shall also be disposed off in secured landfill as per CPCB guidelines All the other solid waste including broken refractory mass shall be disposed off in environmental friendly manner.	<p>Agreed.</p>
10.	Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 subsequently amended in 2003. Fly ash and bottom ash shall be disposed off to ash pond through high concentration slurry disposal system (HCSD) and utilized as per Fly ash Notification.	<p>Being Complied.</p> <p>Fly-ash utilization as per the fly ash notification 2009 is strictly followed.</p> <p>100 % utilisation of fly ash is being made for the period from October-2022 to March-2023 .</p>
11.	As proposed, green belt shall be developed in 33% area in and around the plant as per	<ul style="list-style-type: none"> • Thick green belt has been already developed along the peripheral boundary,

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	the CPCB guidelines in consultation with DFO.	<p>raw material storage yard and at all the probable dust generation area in side the plant premises.</p> <ul style="list-style-type: none"> • Status of green belt has been regularly submitted to your good office
12.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel plants shall be implemented.	Being complied.
B. GENERAL CONDITIONS:		
1.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.	Agreed
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Agreed
3.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The Orissa Pollution Control Board (OPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and it size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	<p>Being Complied.</p> <ul style="list-style-type: none"> • We are regularly monitoring stack emission (SPM & Gas analysis) from all major stacks. • Monitoring reports are being submitted to State Pollution control Board, CPCB & Ministry of Environment & Forest regularly. The monitoring results are well within the norms. • Interlocking facilities provided at DRI, Ferrochrome, CPP for stopping the process automatically incase emission level exceeds the limit.
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 SPM, SO ₂ and NO _x are anticipated in consultation with the OPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including it Regional Office at Bhubaneswar and OPCB, CPCB once in six month.	<p>Complied.</p> <ul style="list-style-type: none"> • We have established four permanent CAAQMS at all four directions in our plant in consultation with SPCB. • Environmental Monitoring is being carried out and reports submitted to SPCB & Regional Office of MoEF at BBSR, CPCB and SPCB on regular basis. The monitoring report is enclosed in the ANNEXURE-1.
5.	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting	Being complied.

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	of the roads shall be done to control fugitive emissions.	
6.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated; 19 th may 1993 and 31 st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	<p>Being Complied.</p> <ul style="list-style-type: none"> • All the industrial waste water is being recycled back by closed circuit system after adequate treatment. <p>Domestic waste water is being reused for plantation & dust suppression on roads.</p>
7.	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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	<p>Already complied.</p> <p>The overall noise levels in and around the plant area are being monitored on monthly basis and monitoring report is enclosed in the ANNEXURE-1.</p>
8.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<p>Being Complied.</p> <ul style="list-style-type: none"> • We have established a well equipped first aid centre manned around the clock with all necessary facilities and equipments. • Periodical health checkup of employees and contractual workers are carried out regularly. • This year total 652 employees covered in periodical medical examination. All medical records are being maintained.
9.	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water tables.	<p>Complied.</p> <ul style="list-style-type: none"> • We have already installed a pressure recharge rain water harvesting system at our GT hostel.
10.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes. Drinking water supply and health care etc. Suggestions made during the public hearing shall be implemented	<p>Complied.</p>
11.	As mentioned in the EIA/EMP, Rs. 100.00 Crores and Rs. 100.00 Crores earmarked towards the capital cost and recurring cost towards the environmental pollution control	<p>Complied.</p>

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	measures shall be judiciously utilized to implement the conditions 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.	
12.	The Regional Office of this Ministry at Bhubaneswar/ CPCB/OSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with stastical interpretation shall be submitted to them regularly.	Being complied.
13.	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 OPCB and may also be seen at Website of the ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance later, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locally concerned and a copy of the same shall be forwarded to the Regional Office at Bhubaneswar.	Complied.
14.	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.	Complied.

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE
MoEF Letter No.: F No. J-11011/491/2009-IA II (I) Dated 28th Oct, 2009

Sl.No.	CONDITIONS	COMPLIANCE STATUS
SPECIFIC CONDITIONS:		
1.	<p>Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag house/filters, I D fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 100 mg/Nm³. Monitoring of total Chromium (Cr) and Carbon monoxide (CO) shall also be ensured. Standards for Nickel (Ni), Chromium (Cr) and Lead (Pb) shall be within permissible limit. The Orissa Pollution Control Board (OPCB) 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 level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.</p>	<p>Adequate pollution control equipment/devices are like GCP, Bag filters, system along with chimneys of required height are already installed at different location to keep the particulate matter emission within the prescribed limits.</p> <p>Monthly monitoring results are being submitted to SPCB, Odisha and six monthly compliance reports are being submitted to Regional Office of MoEF & CPCB regularly.</p>
2.	<p>In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive dust emissions from the stock pile of raw materials and fines dump in the open area shall be controlled by dust suppression system by routine water sprinkling. Dust extraction system with bag filters shall be provided to control the fugitive dust from raw material handling, screening and conveying section alongwith product handling section, transfer and feeding points to control fugitive dust emission to meet the OPCB norms. Internal roads shall be made black topped and asphalted. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.</p>	<ul style="list-style-type: none"> • 20 nos. of fixed type water sprinklers have been installed at internal road and raw material storage yard for suppression of dust generated during transportation of raw material in Ferrochrome Plant. • Regular water sprinkling being carried out at dust generating area. • Gas cleaning plant consisting of heat exchangers, cyclones & bag houses have been installed in Ferrochrome plant. • 3 nos. of dry fog system has been installed at ground Hooper, screen building and

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		day-bin of Ferrochrome for suppression of fine dust particles generated during material transfer.
3.	Data on ambient air quality, stack emission and fugitive emission shall be uploaded on the Company's website and also regularly submitted on-line to the Ministry's Regional Office at Bhubaneswar, OPCB and SPCB as well as hard copy once in six months. Data on SPM, SO ₂ and NO _x shall also be displayed prominently outside the premises at the appropriate place for the information of general public.	Monitoring data on ambient air quality and stack emission are submitted to the statutory authorities on regular basis.
4.	Secondary fugitive emission from all 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.	Secondary fugitive emissions controlled within the prescribed limits. Guidelines/Code of practice issued by the CPCB in this regard are being followed.
5.	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emission during loading and unloading of the raw material and finished product.	Water sprinkling for the internal roads within the plant premises for suppression of dust generated due to vehicular movement and raw material and product storage yards are being taken care of.
6.	Total water requirement from River Kharsuan and IDCO shall not exceed 375 m ³ /day. However, make-up water requirement for the proposed Ferro alloy plant shall be met from water allotted to M/s Visa Steel Limited (VSL). Closed circuit cooling system shall be adopted i.e. cooling water shall be recycled/reused in the process to reduce water consumption. The blow down and other discharges including DM effluents shall be collected in a common pond, treated and recycled back to the process and/or used for ash handling, dust suppression and green belt development. Domestic waste water shall be treated in septic tank followed by soak pits system and used for green belt development.	<ul style="list-style-type: none"> • We have already obtained permission from IDCO, Govt. of Odisha for drawl of 250m³/hr of water from River Brahmini for phase -1 through agreement. • The total Cooling tower & boiler blow down water and DMP generated water is collected in a common drain and sent to ETP followed by RO of capacity 1000 KLD and water being utilized in production process as per requirement. Thus, there is no waste water discharge from CPP unit. • Cooling tower & boiler blow down water is being used for coke quenching & dust suppression at internal

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		<p>roads.</p> <ul style="list-style-type: none"> • Domestic waste water is being used for Horticultural activities. No waste water discharged to outside premises. "Zero" discharge is being maintained. • Three number of Sewage Treatment Plant have been established for treatment of domestic waste water at GT Hostel, colony and canteen building. Treated water is being reused for plantation purpose. • Runoff water is not being discharged outside the plant premises. however as per SPCB guide line we had constructed Surface runoff treatment System(SRTS) for treatment of surface runoff water of factory premises, coal & raw material stack yard and utilized in-house for Quenching, dust suppression and plantation activities..
7.	Prior permission for the drawl of 375 m3/day water from river Kharsuan/ Bramhani/IDCO from the concerned department shall be obtained. Actual source of water shall be finalized and informed to the Ministry's Regional Office at Bhubaneswar. OPCB and CPCB alongwith the permission letter.	The water requirement for the Ferro alloy plant are met from water allotted to M/s VISA STEEL LTD (VSL).
8.	'Zero' effluent discharge shall be strictly followed and no waste water shall be discharged outside the premises.	No waste water discharge to outside of the plant premises. "Zero" discharge is being maintained.
9.	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 E(P) Act whichever are more stringent.	Being complied
10.	Metal recovery plant shall be installed to recover maximum metal through hydraulic jigging process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible	Metal recovery plant installed and it is being operated with a resourceful recovery of metals. Regular monitoring being carried out.

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	limit before recycling and reuse. SAF slag tailing shall be dumped in own premises in secured land fill constructed as per CPCB guidelines after recovery of the metal. Used oils/lubricants shall be sold to authorized recyclers / re processors.	
11.	Chromate slag shall be used for road making only after passing through Toxic Chemical leachability Potential (TCLP) test otherwise ferrochrome shall be recovered from the slag and output waste shall be disposed in secured landfill as per SPCB guide lines. All the other solid waste shall be properly disposed off in environment-friendly manner. No hazardous material shall be spilled out and good housekeeping practices shall be adopted. Hazardous waste shall be handled as per the hazardous waste (Management & Handling) Rules, 1989and subsequent amendment.	Being complied. TCLP test report is attached as Annexure-2
12.	Flue dust from the bag house shall not be dumped anywhere but reused in the process. Chrome ore fines shall be reused in briquetting plant. Dolomite shall also be reused.	The flue dust from the bag house is reused in the briquette making.
13.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Information regarding handling, storage, utilization and disposal submitted to the board from time to time of solid waste of solid waste are being submitted to the board on regular basis.
14.	As proposed, green belt shall be developed in at least 17 acres (33%) out of 50 acres land within and around the plant premises as per the CPCB guidelines in consultation with DFO.	Complied.
15.	All the recommendation made in the charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrome units shall be strictly implemented.	The recommendation made in the charter on CREP for the FeCr units implemented.
16.	All the commitments made to the public during the public hearing /Public consultation meeting shall be satisfactory implemented.	NA
17.	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, crèche etc. The housing may be in the form of temporary structures to be removed after the	Complied.

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	completion of the project.	
GENERAL CONDITIONS:		
1.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OSPCB) and the State Government.	It is being implemented.
2.	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	We agree to the condition and assure you that no further expansion or modification shall be carried out without the prior approval of MoEF.
3.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentrations of SPM, SO ₂ , & NO _x are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, OSPCB and CPCB once in six months.	Complied. 4 Nos. of CAAQMS (Continuous Ambient Air Quality Monitoring Station) has been installed at 4 different locations of the plant premises and uploading the data continuously in RT-DAS server.
4.	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fume and dust extraction system with bag filters shall be provided at the transfer and discharge points to control fugitive emissions. Further, specific measures like water sprinkling around the raw material storage areas and asphaltting or concreting of the roads shall be done to control fugitive emissions.	Gas cleaning plant consisting of dust catcher, thickener, scrapper & settling tank provided with the system to take care of the emissions. We have provided additional water sprinkling by providing water tankers and sprinklers to suppress the dust emissions.
5.	Industrial waste water 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 waste water shall be utilized for plantation purpose.	<ul style="list-style-type: none"> • All the industrial waste water is being re-cycled back by closed circuit system after adequate treatment. • Domestic waste water is being reused for plantation & dust suppression on roads.
6.	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.	We have constructed a rain water harvesting structure near our GT Hostel for recharging the ground water table. Besides this, we have also a rain water harvesting pond with a capacity of 500000 m ³ . To utilize its water, Reverse osmosis plant of

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		Capacity–1400 m ³ /day, has been installed. Further the stored water is used for dust suppression through water tanker.
7.	The overall noise levels in and around the plant are 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 (daytime) and 70 dBA (nighttime).	We are monitoring the noise level regularly and reports are being submitted.
8.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	Health check-up of all the employees done and records maintained.
9.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We have complied to the directions for taking environmental protection and socio economic development.
10.	As proposed Rs. 13.10 Crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures and utilized judiciously to implement the conditions 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.	We have earmarked the capital cost and recurring cost/annum for the environment pollution control measures and utilize judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government.
11.	A copy of clearance letter shall be send 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
12.	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 Regional Office	As per the requirement, we are regularly submitting all the relevant information's to the Ministry as per the stipulated environment clearance conditions, including results of monitoring data on their

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	of the MOEF at Bhubaneswar, the respective zonal office of CPCB and the OPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorial parameters Carbon monoxide (CO), Chromium (Cr), Nickel (Ni) Lead (Pb), indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	website and shall update the same periodically.
13.	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 Regional Office of MOEF, The respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions.	We are submitting 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 Regional Office of MOEF, The respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions.
14.	The environmental statement of 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 Regional Office of the MOEF at Bhubaneswar by e-mail.	We have submitted the environmental statement of 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,
15.	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 SPCB and may also be seen at website of the Ministry of Environment and Forest at http:// www.envfor.nic.in . 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.	Complied.
16.	Project authorities shall inform the Regional	Complied.

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	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.	

Ref: **VSL/MOEF & CC/2023-2024/098**

1st December 2023

To,

The Ministry of Environment Forest and Climate Change
Regional Office (EZ),
A/3, Chandrasekharapur,
Bhubaneswar – 751023, Odisha

**Sub: Half Yearly compliance status of Environmental Clearance for the period
Of April – 2023 to September – 2023.**

Ref: (a) Environment Clearance No. : F. No J-11011/33/2007-IA II (I), dtd.12.06.2007.
(b) Environment Clearance No. : F. No J-11011/1000/2007-IA II (I), dtd.03.07.2008.
(c) Environment Clearance No. : F. No J-11011/491/2009-IA II (I), dtd.26.02.2021.

Dear Sir,

With reference to the subject mentioned above, please find enclosed herewith six monthly compliance status of Environmental Clearances (F. No J-11011/33/2007-IA II (I), dtd.12.06.2007, F. No J-11011/1000/2007-IA II (I), dtd.03.07.2008 & F. No J-11011/491/2009-IA II (I), dtd.26.02.2021) for the period of April 2023 to September 2023 along with monitoring report of Ambient Air Quality, Stack Emission, Effluent Quality and Noise Monitoring for your kind information and record please.

Thanking You,
Yours Faithfully,

For, **Visa Steel Limited**

Bharat Chandra Sahoo
(Factory Manager)

Cc :

1. To the Member Secretary, State Pollution Control Board, Nilakantha Nagar, Unit-VIII, Bhubaneswar.
2. To The Member Secretary, Central Pollution Control Board, Southern Conclave, Block-502, 5th & 6th Floors, 15802 Rajdanga Main Road, Kolkatta – 700107, West Bengal.
3. To The Regional Officer, Regional Office SPCB, Near OMC Office, P.O- Ferro Chrome Plant, Jajpur Road, Dist-Jajpur, Odisha - 755109

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE
MoEF Letter No.: F No. J-11011/33/2007-IA II (I) Dated 12th June,2007

Sl. No.	CONDITIONS	COMPLIANCE STATUS
SPECIFIC CONDITIONS:		
1.	The gaseous emission from various process units shall conform to the load/mass based standards notified by this Ministry on 19 th May, 1993 and standards prescribed from time to time. The Orissa State Pollution Control Board (OSPCB) 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 level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.	<ul style="list-style-type: none"> • Regularly monitoring of stack emission (PM & Gaseous) is being carried out for all stacks by NABL Certified and SPCB empaneled Laboratory. The report for the same is also attached herewith as Annexure-1. • Monitoring reports are being submitted to State Pollution control Board, CPCB & Ministry of Environment & Forest on regular basis. The monitoring results are well within the prescribed norms. • Monitoring Results for the period from April-2023 to September-2023 is enclosed in the ANNEXURE-2 • Interlocking facilities provided at DRI, Ferrochrome, CPP for stopping the process automatically incase emission level exceeds the limit.
2.	Continuous Stack monitoring facilities for all the major stacks and adequate air pollution control systems shall be provided to keep emission levels below 50 mg/Nm ³ and reports submitted to the OSPCB & CPCB.	<ul style="list-style-type: none"> • 8 Nos. of Continuous stack monitoring facilities have been installed at chimneys of WHRB- 1 & 2, Power Plant and FeCr Plant and coke oven plant. • Air Pollution Control Systems are provided at MBF, DRI, CPP, FeCr & Coke Oven. • Emission level has been maintained well within the prescribed norms. • Installed 03 nos. of ESP at Captive Power Plant, 11 nos. of DES/bag filter, 02 nos. of GCP & 02 nos. of FES in different operating units as per the requirement of the process to control the air pollution.
3.	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Gas cleaning system in MBF, Fume and dust extraction system to BF stock house, DRI kiln, DRI EAF, Ore and Coal crushing & Screening section, Coke oven etc. and bag filter in SMS, pulse jet type bag filter system in raw material handling area will be provided to control fugitive emissions. ESP to WHRB to control emissions within 100 mg/Nm ³ and bag filters to DRI kiln, EAF, BF, Submerged Arc Furnace	<ul style="list-style-type: none"> • Gas cleaning plant consisting of dust catcher, thickener, scrapper & settling tank is being operated at MBF unit and additional 15 nos. of DFS at ground hopper, belt conveyor and 16 nos. of DSS have been installed at raw material yard, internal road and other areas to control the fugitive emission. In addition to that there are FES and DES installed to abate the secondary fugitive emission at Blast furnace.

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	<p>(SAF), Coke oven plant, Lime plant, Dolo plant will also be provided to control air emissions within 50 mg/Nm³. further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting of the roads shall be done to control fugitive emissions.</p>	<ul style="list-style-type: none"> • 20 Nos. of fixed type water sprinklers have been installed at raw material storage yard for suppression of dust generated during transportation of raw material. • Further in addition to that we have deployed 03nos of mist canon for suppression of fugitive dust emission. • 7 Nos. of Rain gun type sprinklers installed near main gate to control fugitive dust emission. • Gas cleaning Plant consisting of heat exchangers, cyclones & bag houses have been installed in Ferro-chrome Plant. • DSS at internal roads and Water spraying nozzles installed at over the belt conveyors and ground hopper for suppression of fugitive dust generation in Ferro-chrome Plant. • Additional 16 nos. of Dry Fog System (DFS) and 11 Nos. of Dust Suppression System (DSS) provided at Power Plant area for water sprinkler through pipe for suppression of fugitive emission. • Fixed type water spraying nozzles at belt conveyor, 36 Nos. DFS at Ground Hopper of coal feeding point and 131 Nos. DSS at belt conveyor, raw material yard and internal road at DRI unit and iron ore crusher for suppression of fine dust particles generated during material transfer of DRI Plant. • Adequate Dry Fog System and DSS has been installed at Ground Hopper Briquette Plant, raw material yard and conveyor belt of Ferro-chrome units. • There are De-dusting systems (approx. 100 nos. of hoods and dampers) attached with different junction houses of Kiln Cooler Discharge, Intermediate Bins and Product Hopper circuit of Sponge Iron unit to suppression fugitive dust generation. • Pug Mill is attached with dust storage silo for appropriate moisture addition during unloading of dust in the Hyvas. • 05 Nos. of telescopic type unloading spout

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		<p>have been installed at Product Separation Building of Sponge Iron Plant, for unloading of Sponge Iron lumps, fines and Dolochar without creating fugitive dust generation at DRI Plant unit.</p> <ul style="list-style-type: none"> • Adequate DES installed at different operating process of DRI. • Installed 03 nos. of ESP at Captive Power Plant, 11 nos. of DES/bag filter, 02 nos. of GCP & 02 nos. of FES in different operating units as per the requirement of the process to control the air pollution. • 03 Nos. of telescopic type unloading spout have been installed at Fly-ash Silo of Power Plant, for unloading the Fly-ash without creating any dust nuisance at Power Plant. • 03 Nos. of telescopic type unloading spout have been installed at GCP Silo of SMS for unloading of GCP dust without creating fugitive dust generation at SMS. • 02 Nos. of telescopic type unloading spout have been installed at GCP silo of Ferrochrome unit for unloading of GCP dust without creating fugitive dust generation at Ferro-chrome unit. • 02 Nos. of Dust extraction systems have been installed at hammer Crusher-1&2 of Coal delivery circuit of Coke Oven Plant • 360 degree rotational 08 no.of Rain gun type water sprinkler are installed at coal yard & Coke yard 08nos. of Impact sprinkler installed at other area of coke oven. Another 29 no.of impact sprinkler are installed from hammer crusher Road to learning center. 3nos of impact type sprinkler installed at ground hopper. • 03 nos. of water tanker engaged for water sprinkling on internal roads of the plant premises for suppression of fugitive dust emission at Coke Oven unit. And also 29 no. of fixed type impact sprinkler are installed along the internal road. • Regular water sprinkling is being carried out at dust generating areas. • 03 nos. of mist canon have been installed with having 30 mts. radius and 180⁰ movement at raw material yard.
4.	Secondary fugitive emission shall be	Adequate FES and DES installed to abate the

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	<p>controlled within the prescribed limits, regularly monitored and records maintained. Guidelines/Code of practice issued by the CPCB in this regard shall be followed.</p>	<p>secondary fugitive emission at different units i.e. Blast furnace, Ferrochrome, SMS and DRI. Also work zone air quality monitoring is being carried out on regular basis and required corrective actions are being taken care.</p>
5.	<p>Total requirement of water from River Bramhani/Kharsuan shall not exceed 39,600 m³/day and prior 'Permission' for the total water requirement shall be obtained from the Department of water resources, Govt. of Orissa before commissioning the project. Effluent Treatment Plant (ETP) shall be installed for the treatment of process water. Cooling tower and boiler blow down water will be used for coke quenching. All the waste water generated shall be treated, recycled and reused either in the process or for dust suppression or green belt development. No waste water shall be discharged outside the factory premises and 'Zero' discharge shall be adopted. Domestic effluent shall be treated in septic tanks by soak pits.</p>	<ul style="list-style-type: none"> • We have an agreement with IDCO, Govt. of Odisha for drawl of 250m³/hr. of water from River Bramhani for phase -1 through agreement. • Blow down water from Cooling tower & boiler blow down water and DMP generated water are collected and treated in the ETP followed by RO of capacity having 1000 KLD and this water is being utilized in CPP process. Thus, there is no waste water discharge from CPP unit. • The reject water from RO is used for cake/coke quenching and dust suppression system at internal road. • Three number of Sewage Treatment Plant have been established for treatment of domestic waste water at GT Hostel, colony and canteen building. Treated water is being 100% reused for plantation purpose and dust suppression on roads. • Apart from that we have installed a 4400 cum/day for treatment of Surface Runoff Water during rainy season.
6.	<p>All the Iron skull, scrap from CCM and char shall be used in EAF. Semi-burnt coke dust and coke breeze shall be reused in the power plant. Iron ore fines shall be sold to sinter plant for reuse. BF slag (granulated) shall be sold to cement plants. BF dust, Thickener mud, EAF/LRF dust, fines from ESPs, EAF slag shall be used for land filling, road construction etc. Slag from Ferro chrome unit shall be disposed off in a suitably designed landfill as per CPCB guidelines to prevent leaching to the sub-soil and underground aquifer. Used oil shall be sold to recyclers and re-processors only.</p>	<ul style="list-style-type: none"> • Presently iron skull, scrap, iron ore fines, coke fines, BF slag are being sold to other users. • 100% Char is being used at CFBC Boiler. • Bag filter dust, thickener sludge, are being used for land filling and road construction. Ash from ESP is being supplied to brick manufacturing units. • We have installed Metal Recovery Plant (Zigging plant) for chromium recovery from slag. After recovery, ferrochrome slag is being reused for internal road making & construction of building etc. • Whatever used oil generated from different units being sold to authorized recyclers as per hazardous waste (Management, handling and trans-boundary) Rule.

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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.	<ul style="list-style-type: none"> We have already installed a pressure recharge rain water harvesting system at our GT hostel and have a Rain Water Reservoir for storing the rain water. At rain water reservoir another Reverse Osmosis process (Cap. 50 M³/hr), and this R.O. water being utilized in production process as per requirement.
8.	Out of total 448 ha, green belt shall be developed in 181 ha. Area within and around the plant premises as per the CPCB guidelines in consultation with DFO	Total Area of plant premises : 525.0 (Ac.) Area covered by plantation : 173.5 (Ac.) No. of saplings Planted : 164256 (approx.)
9.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	<ul style="list-style-type: none"> We have established a well-equipped First Aid Centre with all necessary facilities and manned round the clock. Periodical health checkup of employees and contractual workers are carried out regularly and records are being mentioned as per the Factories Act
10.	Recommendations made in the CREP guidelines issued for the steel plants shall be implemented.	We are adhering to CREP guidelines.
GENERAL CONDITIONS:		
1.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OSPCB) and the State Government.	We are regularly complying with all the conditions stipulated by SPCB/ CPCB.
2.	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	No expansion or modernization has been carried out without prior approval of Ministry of Environment & Forests.
3.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentrations of SPM, SO ₂ , NO _x are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the OSPCB/CPCB once in six months.	<ul style="list-style-type: none"> We have established four Ambient Air Quality Monitoring Stations after consultation with Regional Officer OSPCB. Ambient air quality, stack emission monitoring is being carried out as per SPCB, Odisha prescribed norms. Monitoring results are being submitted regularly to SPCB, CPCB & MOEF & CC. The online data is being transferred on real time basis. The monitoring report of six month is herewith attached in the ANNEXURE-1

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4.	Industrial waste water shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	<ul style="list-style-type: none"> All the industrial waste water is being re-cycled back by closed circuit system after adequate treatment in the unit. Domestic waste water from STP are reused for plantation & dust suppression on roads.
5.	The overall noise levels in and around the plant are 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 (daytime) and 70 dBA (nighttime)	<ul style="list-style-type: none"> Adequate noise control measures have been installed and are also considered in the designing parameters. Ambient noise levels are being measured at various locations and noise level are well within the prescribe norms. Monitoring Results for the period from April-2023 to September-2023 is enclosed in the ANNEXURE-1
6.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socioeconomic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	<ul style="list-style-type: none"> Environment protection measurement proposed in the EIA & EMP report has been implemented. Socio-economic development activities are ongoing in different Villages. Surrounding the plant areas focus of development are community development programs, educational programs, drinking water supply and health care etc. Dedicated CSR team is working for their activities having expertise and skill.
7.	As mentioned in the EIA/EMP, Rs.100.00 Crores earmarked towards capital cost and recurring cost/annum for environment pollution control measures shall be judiciously utilized to implement the conditions 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.	<ul style="list-style-type: none"> We have complied with all those stipulated conditions proposed in our EIA/EMP report. The fund earmarked for Environmental Protection is not diverted in any other purposes.
8.	The Regional Office of this Ministry at Bhubaneswar / CPCB / OSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	We are adhering to the schedule and accordingly reports are being submitted to Regional Offices of OSPCB, CPCB and MoEF regularly.
9.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and	The same has been followed and complied with.

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	copies of the clearance letter are available with the OSPCB / Committee and may also be seen at website of the Ministry of Environment and Forest at http://www.envfor.nic.in . 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.	
10.	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.	Will ensure for the same.

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE
MoEF Letter No.: F No. J-11011/1000/2007-IA II (I) Dated 3rd July, 2008

Sl. No.	CONDITIONS	COMPLIANCE STATUS
A. SPECIFIC CONDITIONS:		
1.	On-line stack monitoring facilities for all the stacks and sufficient air pollution control equipments viz. Electrostatic precipitators (ESPs) shall be provided to Captive Power Plant to control particulate matter from AFBC boilers within 100 mg/Nm ³ and reports submitted to the Ministry's Regional Office at Bhubaneswar OPCB & CPCB.	The following compliances are being made for the Power Plant installed under earlier EC. <ul style="list-style-type: none"> We have installed of 03 Nos. of stack emission monitoring (gaseous & Dust emission) analyzers at 75 MW Power Plant at the chimneys of WHRB-I & II & CFBC Power Plant. Adequate pollution control equipment/ devices are like ESP, Bag filters have been installed at CPP to keep the particulate matter emission within the prescribed limits. Monthly monitoring results are being submitted to SPCB, Odisha and six month compliance reports are being submitted to Regional Office of MoEF & CPCB regularly.
2.	Bag filters shall be provided to the reheating furnace and electric arc furnace to control	Complied. <ul style="list-style-type: none"> The Air pollution Control measures

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	<p>the particulate emissions below 50 mg/Nm³. Stack of adequate height shall be provided to the reheating furnace in rolling mill section. The hood for fume extraction and spark arrestor, bag filters etc. shall be provided to control particulate matter from the stack attached to the induction furnace in Steel melting Shop (SMS).</p>	<p>adopted at Steel Melting Shop are encapsulated water jacket in the duct line of the flue gas, hair pin cooler system, bag filter, ID fans and the chimney with a height of 50 M above the ground level. Hood/ canopy have been made to extract the dust from the work floor area. Finally all the duct lines are connected with main flue gas duct line of EAF & LRF before hair pin cooling system.</p> <ul style="list-style-type: none"> The stack attached with the reheating furnace in rolling mill section is of 72 m height.
3.	<p>Gaseous emissions including 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.</p>	<p>Gaseous emissions including secondary fugitive emissions from all the sources are being monitored regularly and the results are well within the latest permissible limits.</p>
4.	<p>Dust suppression and extraction system shall be provided to raw material handling areas crusher house, junction towers, feed point, conveyors and transfer points. Water sprinkling shall be done in stockyard.</p>	<ul style="list-style-type: none"> Water sprinklers and dry fog systems are installed at different junction towers, conveyors and transfer points. 03 nos. 12 KL capacity truck mounted water tanker engaged for water sprinkling (6AM to 10PM) in stockyards and raw material storage yards on regular basis for suppression of dust. Further in addition to that we have deployed 03 nos of mist canon for suppression of fugitive dust.
5.	<p>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.</p>	<p>03 nos. water tankers sprinkling is being done from 6 AM to 10 PM on regular basis on internal roads of the plant premises to suppress the dust due to vehicular movement and raw material and product storage yards being taken care of.</p>
6.	<p>Total water requirement from River Kharsua shall not exceed 1,498 m³/hr. Closed circuits circulating/cooling water system shall be used. The wastewater from the demineralization (DM) plant shall be neutralized in neutralization pit. All the treated wastewater shall be recycled and</p>	<ul style="list-style-type: none"> We have already obtained permission from IDCO, Govt. of Odisha for drawl of 250m³/hr of water from River Bramhani for phase -1 through agreement. The total Cooling tower & boiler blow down water and DMP generated water is collected in a common drain and

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	<p>reused either in the process or for dust suppression, green belt development and various other activities at the site. 'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be treated in septic tank followed by soak pit and used for green belt development.</p>	<p>sent to ETP followed by RO of capacity 1000 KLD and water being utilized in production process as per requirement. Thus, there is no waste water discharge from CPP unit.</p> <ul style="list-style-type: none"> • The reject water from RO is used for cake/coke quenching and dust suppression system at internal road. • Domestic waste water is being used for Horticultural activities. No waste water discharged to outside premises. "Zero" discharge is being maintained. • Three number of Sewage Treatment Plant have been established for treatment of domestic waste water at GT Hostel, colony and canteen building. Treated water is being reused for plantation purpose. • Runoff water is not being discharged outside the plant premises. however as per SPCB guide line we had constructed Surface runoff treatment System (SRTS) for treatment of surface runoff water of factory premises, coal & raw material stack yard and utilized in-house for Quenching, dust suppression and plantation activities.
7.	<p>Prior permission for the drawl of 1,498 m³/hr from River Kharsua shall be obtained from the concern department. No effluent shall be discharged outside the plant premises and 'Zero' discharge should be adopted.</p>	<ul style="list-style-type: none"> • Necessary permission already obtained for drawl of water. • No effluent is being discharged to outside the plant premises maintaining Zero discharge.
8.	<p>Metallic scrap, scales and mill cuttings shall be recycled and reused in the process. Slag and refractory waste shall be properly disposed off in environment friendly manner. All the char from DRI plant and coke fines shall be utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else. Mill scale and dust from Rolling mill shall be used in sinter plant. Scrap shall be used in SMS; Broken refectories shall be disposed off in environment friendly manner. Used oil shall be sold to authorized recyclers/ re-processors only.</p>	<ul style="list-style-type: none"> ➤ 100% char is being utilized in CFBC boiler. ➤ Used oil is sold to the authorized recycler/reprocesses only. ➤ SMS, Rolling Mill and BF are under Shut Down.

Sl. No.	CONDITIONS	COMPLIANCE STATUS
9.	All the SMS Slag shall also be properly utilized or disposed off in environment friendly manner. Slag shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Toxic slag shall also be disposed off in secured landfill as per CPCB guidelines All the other solid waste including broken refractory mass shall be disposed off in environmental friendly manner.	Complied as recommended. The TCLP analysis report is also attached herewith as Annexure-3 .
10.	Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 subsequently amended in 2003. Fly ash and bottom ash shall be disposed off to ash pond through high concentration slurry disposal system (HCSD) and utilized as per Fly ash Notification.	100 % Fly-ash is being utilized as per the fly ash notification 2009. 100 % utilisation of fly ash is being made for the period from April-2023 to September-2023.
11.	As proposed, green belt shall be developed in 33% area in and around the plant as per the CPCB guidelines in consultation with DFO.	<ul style="list-style-type: none"> • Thick green belt of 33% has already being developed and the plantation is also being carried out along the peripheral boundary, raw material storage yard and at all the probable dust generation area in side the plant premises. • Further, status of green belt has been regularly submitted to your good office
12.	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel plants shall be implemented.	We are adhering to CREP guidelines.
B. GENERAL CONDITIONS:		
1.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.	The stipulation as prescribed by the OSPCB are adhered by the company.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Noted.

Sl. No.	CONDITIONS	COMPLIANCE STATUS
3.	<p>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 Orissa Pollution Control Board (OPCB) 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 level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.</p>	<ul style="list-style-type: none"> • Regularly monitoring of stack emission (PM & Gaseous) is being carried out for all stacks by NABL Certified and SPCB empaneled Laboratory. The report for the same is also attached herewith as Annexure-1. • Monitoring reports are being submitted to State Pollution control Board, CPCB & Ministry of Environment & Forest on regular basis. The monitoring results are well within the prescribed norms. • Monitoring Results for the period from April-2023 to September-2023 is enclosed in the ANNEXURE-2 • Interlocking facilities provided at DRI, Ferrochrome, CPP for stopping the process automatically in case emission level exceeds the limit.
4.	<p>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, SO₂ and NO_x are anticipated in consultation with the OPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and OPCB, CPCB once in six months.</p>	<ul style="list-style-type: none"> • We have established four Ambient Air Quality Monitoring Stations after consultation with Regional Officer OSPCB. • Ambient air quality, stack emission monitoring is being carried out as per SPCB, Odisha prescribed norms. • Monitoring results are being submitted regularly to SPCB, CPCB & MOEF & CC. The online data is being transferred on real time basis. The monitoring report of six months is herewith attached in the ANNEXURE-2
5.	<p>In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting of the roads shall be done to control fugitive emissions.</p>	<p>To control the fugitive emission we have deployed 03 nos. of water tanker as well as we have also installed 03 nos. of mist canon for the suppression of fugitive dust emission around the coal stockpile area as well as in the raw material yard.</p>
6.	<p>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.</p>	<ul style="list-style-type: none"> • All the industrial waste water is being recycled back by closed circuit system after adequate treatment in the unit. • Domestic waste water from STP are reused for plantation & dust suppression on roads.
7.	<p>The overall noise levels in and around the</p>	<ul style="list-style-type: none"> • Adequate noise control measures have

Sl. No.	CONDITIONS	COMPLIANCE STATUS
	<p>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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>been installed and are also considered in the designing parameters.</p> <ul style="list-style-type: none"> Ambient noise levels are being measured at various locations and noise level are well within the prescribe norms. <p>Monitoring Results for the period from April-2023 to September-2023 is enclosed in the ANNEXURE-2</p>
8.	<p>Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.</p>	<ul style="list-style-type: none"> We have established a well-equipped First Aid Centre with all necessary facilities and manned round the clock. Periodical health checkup of employees and contractual workers are carried out regularly and records are being mentioned and records are maintained as per the Factories Act.
9.	<p>The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water tables.</p>	<ul style="list-style-type: none"> We have already installed a pressure recharge rain water harvesting system at our GT hostel and have a Rain Water Reservoir for storing the rain water. At rain water reservoir another Reverse Osmosis process (Cap. 50 M³/hr), and this R.O. water being utilized in production process as per requirement.
10.	<p>The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes. Drinking water supply and health care etc. Suggestions made during the public hearing shall be implemented</p>	<ul style="list-style-type: none"> Environment protection measurement proposed in the EIA & EMP report has been implemented. Socio-economic development activities are ongoing in different Villages. Surrounding the plant areas focus of development are community development programs, educational programs, drinking water supply and health care etc. Dedicated CSR team is working for their activities having expertise and skill.
11.	<p>As mentioned in the EIA/EMP, Rs. 100.00 Crores and Rs. 100.00 Crores earmarked towards the capital cost and recurring cost towards the environmental pollution control measures shall be judiciously utilized to implement the conditions 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.</p>	<ul style="list-style-type: none"> We have complied with all those stipulated conditions proposed in our EIA/EMP report. The fund earmarked for Environmental Protection is not diverted in any other purposes.

Sl. No.	CONDITIONS	COMPLIANCE STATUS
12.	The Regional Office of this Ministry at Bhubaneswar/ CPCB/OSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with stastical interpretation shall be submitted to them regularly.	We are adhering to the schedule and accordingly reports are being submitted to Regional Offices of OSPCB, CPCB and MoEF regularly.
13.	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 OPCB and may also be seen at Website of the ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance later, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locally concerned and a copy of the same shall be forwarded to the Regional Office at Bhubaneswar.	The same has been followed and complied with.
14.	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.	Will ensure for the same.

COMPLIANCE STATUS OF ENVIRONMENTAL CLEARANCE
MoEF Letter No.: F No. J-11011/491/2009-IA II (I) Dated 26th February 2021

Sl.No.	CONDITIONS	COMPLIANCE STATUS
SPECIFIC CONDITIONS:		
1.	<p>Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag house/filters, I D fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 100 mg/Nm³. Monitoring of total Chromium (Cr) and Carbon monoxide (CO) shall also be ensured. Standards for Nickel (Ni), Chromium (Cr) and Lead (Pb) shall be within permissible limit. The Orissa Pollution Control Board (OPCB) 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 level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.</p>	<p>Adequate pollution control equipment/devices are like GCP, Bag filters, system along with chimneys of required height are already installed at different location to keep the particulate matter emission within the prescribed limits.</p> <p>Monthly monitoring results are being submitted to SPCB, Odisha and six monthly compliance reports are being submitted to Regional Office of MoEF & CPCB regularly.</p>
2.	<p>In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive dust emissions from the stock pile of raw materials and fines dump in the open area shall be controlled by dust suppression system by routine water sprinkling. Dust extraction system with bag filters shall be provided to control the fugitive dust from raw material handling, screening and conveying section alongwith product handling section, transfer and feeding points to control fugitive dust emission to meet the OPCB norms. Internal roads shall be made black topped and asphalted. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.</p>	<ul style="list-style-type: none"> • Gas cleaning plant consisting of dust catcher, thickener, scrapper & settling tank is being operated at MBF unit and additional 15 nos. of DFS at ground hopper, belt conveyor and 16 nos. of DSS have been installed at raw material yard, internal road and other areas to control the fugitive emission. In addition to that there are FES and DES installed to abate the secondary fugitive emission at Blast furnace. • 20 Nos. of fixed type water sprinklers have been installed at raw material storage yard for suppression of dust generated during transportation of raw material. • Further in addition to that we have deployed 03nos of mist canon for suppression of fugitive dust emission. • 7 Nos. of Rain gun type sprinklers installed near main gate to control fugitive dust emission.

Sl.No.	CONDITIONS	COMPLIANCE STATUS
		<ul style="list-style-type: none"> • Gas cleaning Plant consisting of heat exchangers, cyclones & bag houses have been installed in Ferro-chrome Plant. • DSS at internal roads and Water spraying nozzles installed at over the belt conveyors and ground hopper for suppression of fugitive dust generation in Ferro-chrome Plant. • Additional 16 nos. of Dry Fog System (DFS) and 11 Nos. of Dust Suppression System (DSS) provided at Power Plant area for water sprinkler through pipe for suppression of fugitive emission. • Fixed type water spraying nozzles at belt conveyor, 36 Nos. DFS at Ground Hopper of coal feeding point and 131 Nos. DSS at belt conveyor, raw material yard and internal road at DRI unit and iron ore crusher for suppression of fine dust particles generated during material transfer of DRI Plant. • Adequate Dry Fog System and DSS has been installed at Ground Hopper Briquette Plant, raw material yard and conveyor belt of Ferro-chrome units. • There are De-dusting systems (approx. 100 nos. of hoods and dampers) attached with different junction houses of Kiln Cooler Discharge, Intermediate Bins and Product Hopper circuit of Sponge Iron unit to suppression fugitive dust generation. • Pug Mill is attached with dust storage silo for appropriate moisture addition during unloading of dust in the Hyvas.

Sl.No.	CONDITIONS	COMPLIANCE STATUS
		<ul style="list-style-type: none"> • 05 Nos. of telescopic type unloading spout have been installed at Product Separation Building of Sponge Iron Plant, for unloading of Sponge Iron lumps, fines and Dolochar without creating fugitive dust generation at DRI Plant unit. • Adequate DES installed at different operating process of DRI. • Installed 03 nos. of ESP at Captive Power Plant, 11 nos. of DES/bag filter, 02 nos. of GCP & 02 nos. of FES in different operating units as per the requirement of the process to control the air pollution. • 03 Nos. of telescopic type unloading spout have been installed at Fly-ash Silo of Power Plant, for unloading the Fly-ash without creating any dust nuisance at Power Plant. • 03 Nos. of telescopic type unloading spout have been installed at GCP Silo of SMS for unloading of GCP dust without creating fugitive dust generation at SMS. • 02 Nos. of telescopic type unloading spout have been installed at GCP silo of Ferrochrome unit for unloading of GCP dust without creating fugitive dust generation at Ferro-chrome unit. • 02 Nos. of Dust extraction systems have been installed at hammer Crusher-1&2 of Coal delivery circuit of Coke Oven Plant • 360 degree rotational 08 no. of Rain gun type water sprinkler are installed at coal yard & Coke yard 08nos. of Impact sprinkler installed at other area of coke oven. Another 29 no. of impact sprinkler are installed from hammer crusher Road to

Sl.No.	CONDITIONS	COMPLIANCE STATUS
		<p>learning center.3nos of impact type sprinkler installed at ground hopper.</p> <ul style="list-style-type: none"> • 03 nos. of water tanker engaged for water sprinkling on internal roads of the plant premises for suppression of fugitive dust emission at Coke Oven unit. And also 29 no. of fixed type impact sprinkler are installed along the internal road. • Regular water sprinkling is being carried out at dust generating areas. • Three number of mist canon have been installed with having 30 mts. radius and 180⁰ movement at raw material yard.
3.	<p>Data on ambient air quality, stack emission and fugitive emission shall be uploaded on the Company's website and also regularly submitted on-line to the Ministry's Regional Office at Bhubaneswar, OPCB and SPCB as well as hard copy once in six months. Data on SPM, SO₂ and NO_x shall also be displayed prominently outside the premises at the appropriate place for the information of general public.</p>	<p>Monitoring data on ambient air quality and stack emission are submitted to the statutory authorities on regular basis.</p>
4.	<p>Secondary fugitive emission from all 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.</p>	<p>Secondary fugitive emissions are controlled within the prescribed limits. Guidelines/Code of practice issued by the CPCB in this regard are being followed.</p>
5.	<p>Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emission during loading and unloading of the raw material and finished product.</p>	<p>Three numbers water tankers sprinkling is being done from 6 AM to 10 PM on regular basis on internal roads of the plant premises to suppress the dust due to vehicular movement and raw material and product storage yards being taken care of.</p>
6.	<p>Total water requirement from River Kharsuan and IDCO shall not exceed 375 m³/day. However, make-up water requirement for the proposed Ferro alloy plant shall be met from water allotted to M/s Visa Steel Limited (VSL). Closed circuit cooling system shall be adopted i.e. cooling water shall be recycled/reused in the process to reduce water consumption. The blow down and other</p>	<ul style="list-style-type: none"> • We have an agreement with IDCO, Govt. of Odisha for drawl of 250m³/hr. of water from River Bramhani for phase -1 through agreement. • Blow down water from Cooling tower & boiler blow down water and DMP

Sl.No.	CONDITIONS	COMPLIANCE STATUS
	<p>discharges including DM effluents shall be collected in a common pond, treated and recycled back to the process and/or used for ash handling, dust suppression and green belt development. Domestic waste water shall be treated in septic tank followed by soak pits system and used for green belt development.</p>	<p>generated water are collected and treated in the ETP followed by RO of capacity having 1000 KLD and this water is being utilized in CPP process. Thus, there is no waste water discharge from CPP unit.</p> <ul style="list-style-type: none"> • The reject water from RO is used for cake/coke quenching and dust suppression system at internal road. • Three number of Sewage Treatment Plant have been established for treatment of domestic waste water at GT Hostel, colony and canteen building. Treated water is being 100% reused for plantation purpose and dust suppression on roads. • Apart from that we have installed a 4400 cum/day for treatment of Surface Runoff Water during rainy season.
7.	<p>Prior permission for the drawl of 375 m³/day water from river Kharsuan/ Bramhani/IDCO from the concerned department shall be obtained. Actual source of water shall be finalized and informed to the Ministry's Regional Office at Bhubaneswar. OPCB and CPCB alongwith the permission letter.</p>	<ul style="list-style-type: none"> • Necessary permission already obtained for drawl of water. • No effluent is being discharged to outside the plant premises maintaining Zero discharge.
8.	<p>'Zero' effluent discharge shall be strictly followed and no waste water shall be discharged outside the premises.</p>	<p>No waste water discharge is being discharged to outside the plant premises. "Zero Effluent" discharge is being maintained all the time.</p>
9.	<p>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 E(P) Act whichever are more stringent.</p>	<p>Being complied</p>
10.	<p>Metal recovery plant shall be installed to recover maximum metal through hydraulic jigging process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible limit before recycling and reuse. SAF slag tailing shall be</p>	<p>Metal recovery plant installed and it is being operated with a resourceful recovery of metals. Regular monitoring is being carried out.</p>

Sl.No.	CONDITIONS	COMPLIANCE STATUS
	dumped in own premises in secured land fill constructed as per CPCB guidelines after recovery of the metal. Used oils/lubricants shall be sold to authorized recyclers / re processors.	
11.	Chromate slag shall be used for road making only after passing through Toxic Chemical leachability Potential (TCLP) test otherwise ferrochrome shall be recovered from the slag and output waste shall be disposed in secured landfill as per SPCB guide lines. All the other solid waste shall be properly disposed off in environment-friendly manner. No hazardous material shall be spilled out and good housekeeping practices shall be adopted. Hazardous waste shall be handled as per the hazardous waste (Management & Handling) Rules, 1989 and subsequent amendment.	TCLP test report is attached as Annexure-3.
12.	Flue dust from the bag house shall not be dumped anywhere but reused in the process. Chrome ore fines shall be reused in briquetting plant. Dolomite shall also be reused.	The flue dust from the bag house is reused in the briquette making.
13.	Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Information regarding handling, storage, utilization and disposal submitted to the board from time to time of solid waste of solid waste are being submitted to the board on regular basis.
14.	As proposed, green belt shall be developed in at least 17 acres (33%) out of 50 acres land within and around the plant premises as per the CPCB guidelines in consultation with DFO.	Already Complied with.
15.	All the recommendation made in the charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrome units shall be strictly implemented.	The recommendation made in the charter on CREP for the FeCr units implemented.
16.	All the commitments made to the public during the public hearing /Public consultation meeting shall be satisfactory implemented.	NA
17.	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, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied with.
GENERAL CONDITIONS:		

Sl.No.	CONDITIONS	COMPLIANCE STATUS
1.	The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OSPCB) and the State Government.	The same is being implemented.
2.	No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.	We agree to the condition and assure you that no further expansion or modification shall be carried out without the prior approval of MoEF.
3.	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentrations of SPM, SO ₂ , & NO _x are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, OSPCB and CPCB once in six months.	Four numbers of CAAQMS (Continuous Ambient Air Quality Monitoring Station) has been installed at 4 different locations of the plant premises and uploading the data continuously in RT-DAS server.
4.	In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fume and dust extraction system with bag filters shall be provided at the transfer and discharge points to control fugitive emissions. Further, specific measures like water sprinkling around the raw material storage areas and asphaltting or concreting of the roads shall be done to control fugitive emissions.	Gas cleaning plant consisting of dust catcher, thickener, scrapper & settling tank provided with the system to take care of the emissions. We have provided additional water sprinkling by providing water tankers and sprinklers to suppress the dust emissions.
5.	Industrial waste water 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 waste water shall be utilized for plantation purpose.	<ul style="list-style-type: none"> • All the industrial waste water is being re-cycled back by closed circuit system after adequate treatment. • Domestic waste water is being reused for plantation & dust suppression on roads.
6.	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.	We have constructed a rain water harvesting structure near our GT Hostel for recharging the ground water table. Besides this, we have also a rain water harvesting pond with a capacity of 500000 m ³ . To utilize its water, Reverse osmosis plant of Capacity–1400 m ³ /day, has been installed. Further the stored water is used for dust suppression through water tanker.
7.	The overall noise levels in and around the plant are shall be kept well within the standards (85 dBA) by	We are monitoring the noise level regularly and reports are being

Sl.No.	CONDITIONS	COMPLIANCE STATUS
	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).	submitted.
8.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories Act.	Health check-up of all the employees done and records maintained.
9.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	We have complied with the directions for taking environmental protection and socio economic development.
10.	As proposed Rs. 13.10 Crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures and utilized judiciously to implement the conditions 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.	We have earmarked the capital cost and recurring cost/annum for the environment pollution control measures and utilize judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government.
11.	A copy of clearance letter shall be send 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.	Already complied
12.	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 Regional Office of the MOEF at Bhubaneswar, the respective zonal office of CPCB and the OPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectorial parameters Carbon monoxide (CO), Chromium (Cr), Nickel (Ni) Lead (Pb), indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	As per the requirement, we are regularly submitting all the relevant information's to the Ministry as per the stipulated environment clearance conditions, including results of monitoring data on their website and shall update the same periodically.

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13.	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 Regional Office of MOEF, The respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions.	We are submitting 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 Regional Office of MOEF, The respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions.
14.	The environmental statement of 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 environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.	We have submitted the environmental statement of 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,
15.	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 SPCB and may also be seen at website of the Ministry of Environment and Forest at http://www.envfor.nic.in . 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.	The same has been followed and complied with.
16.	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.	Will ensure for the same.
