

A. SPECIFIC CONDITIONS:

I. Construction Phase

i. COMPLIANCE CONDITIONS:

Vehicles hired for construction activities should be operated only during non-peak hours.

COMPLIANCE STATUS:

During area development vehicles were allowed to operate only during non –peak hours.

ii. COMPLIANCE CONDITIONS:

All the top soil excavated during construction activities should be stored for use in horticulture/landscape developments within the project site.

COMPLIANCE STATUS:

All the top soil during excavation activities is stored and it was used on top after land filling is completed.

iii. COMPLIANCE CONDITIONS:

Ready mixed concrete shall be used in building construction.

COMPLIANCE STATUS:

Ready mixed concrete is used during construction activities inside the foundry cluster.

iv. **COMPLIANCE CONDITIONS:**

Water demand during construction shall be reduced by use of premixed concrete, curing agents and other best practices.

COMPLIANCE STATUS:

At present water demand is not at peak as the construction for all the units is not initiated.

v. **COMPLIANCE CONDITIONS:**

Permission to draw and use ground water for construction work shall be obtained from competent authority prior to construction/operation of the project.

COMPLIANCE STATUS:

Permission to draw the ground water is obtained.

vi. **COMPLIANCE CONDITIONS:**

Fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

COMPLIANCE STATUS:

The adequate measures will be under taken by each unit to minimize the use of drinking & domestic water usage.

vii. **COMPLIANCE CONDITIONS:**

Use of glass may be reduced upto 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

COMPLIANCE STATUS:

For each unit this will be practiced to reduce the electricity consumption and load on air conditioning. In some cases double glass with special reflective coating in windows will be done.

viii. **COMPLIANCE CONDITIONS:**

Roof should meet the prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.

COMPLIANCE STATUS:

Roof to be made with proper water proofing material and necessary design as per building rules & necessary measures to be adopted for appropriate thermal insulation.

ix. **COMPLIANCE CONDITIONS:**

Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non air conditioned spaces by use of appropriate thermal insulation to fulfill requirement.

COMPLIANCE STATUS:

Opaque walls will be given in such a way so that it meet the energy conservation building code.

x. **COMPLIANCE CONDITIONS:**

Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications.

COMPLIANCE STATUS:

Storm water control measures will be implemented & the systems for its use as per CGWB & BIS standard will be implemented.

xi. **COMPLIANCE CONDITIONS:**

All required sanitary and hygienic measures including portable toilets/septic tank etc. for labour should be in place before starting construction activities and to be maintained throughout the construction phase.

COMPLIANCE STATUS:

During construction, the labours were provided with required sanitary and hygienic measures including portable toilets/septic tank etc. The system is maintained right now.

xii. **COMPLIANCE CONDITIONS:**

The possibility of providing housing for labourers/workers shall be examined in consultation with concerned authorities to avoid creation of slums near the foundry park. The project proponent shall submit a report on this subject to MoEF within Six months.

COMPLIANCE STATUS:

The report with the plan for housing facilities for the labours sent to MoEF. It was seen that no labour colony outside the park is allowed.

xiii. **COMPLIANCE CONDITIONS:**

Soil and ground water samples will be tested to ascertain that there is no threat to groundwater quality by leaching of heavy metals and other toxic contaminants.

COMPLIANCE STATUS:

Soil & ground water samples are tested and found satisfactory.

xiv. **COMPLIANCE CONDITIONS:**

A First Aid Room will be provided at the project site both during construction and operation of the project.

COMPLIANCE STATUS:

First Aid facility was provided in the Foundry Park during the construction period.

xv. **COMPLIANCE CONDITIONS:**

Adequate drinking water facility should be provided for construction workers at the site. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

COMPLIANCE STATUS:

Adequate drinking water facility was provided to the workers during construction stage. Proper planning was being made to dispose off the waste water and solid waste during construction phase. .

xvi. **COMPLIANCE CONDITIONS:**

Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighbouring communities and be disposed off taking the necessary precautions for general safety and health aspects of people.

COMPLIANCE STATUS:

The area was in the low lying area, so the muck is used in this area along with excavated material. Proper precautions was being taken during disposal of materials.

xvii. **COMPLIANCE CONDITIONS:**

Diesel power generating sets used during construction phase should be of “enclosed type” to prevent noise and should conform to rules made under Environment (protection)Act 1986, prescribed for air and noise emission standards.

COMPLIANCE STATUS:

The D.G. used during construction phase was kept in enclosed type to prevent noise.

xviii. **COMPLIANCE CONDITIONS:**

Ambient noise level should conform to standards both during day and night when measured at boundary wall of the premises/SEZ. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase.

COMPLIANCE STATUS:

Ambient Noise level is maintained in standard level during construction. The present noise level inside the site is measured & given in **Annexure- I**

xix. **COMPLIANCE CONDITIONS:**

The construction agencies shall use fly ash based material/products as per the provisions of fly ash notification of 14.9.1999 and as amended on 27.08.2003.

COMPLIANCE STATUS:

The land filling is done by fly ash as per conditions during construction phases.

xx. **COMPLIANCE CONDITIONS:**

Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check" (PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peaking hours.

COMPLIANCE STATUS:

During construction & land filling all vehicles are checked for pollution under check certificate. If found not complying the vehicle is not allowed inside the area.

xxi. **COMPLIANCE CONDITIONS:**

Construction spoils including bituminous materials and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such material must be secured so that they should not leach into the ground water.

COMPLIANCE STATUS:

The construction spoils are kept in confined area to avoid contamination of the nearby water courses.

xxii. **COMPLIANCE CONDITIONS:**

Any hazardous waste generated during construction phase should be disposed of as per applicable Rules & norms with necessary approvals of the State Pollution control Board.

COMPLIANCE STATUS:

It is complied.

xxiii. **COMPLIANCE CONDITIONS:**

The diesel required for operating DG Set shall be stored in underground tanks and if required clearance from the Chief Controller of Explosives shall be taken.

COMPLIANCE STATUS:

The D.G. set was portable type. There was not requirement of underground storage of diesel.

xxiv. **COMPLIANCE CONDITIONS:**

The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including protection measures from lightening etc.

COMPLIANCE STATUS:

The approval regarding structural stability of the building shed etc. to be obtained from competent authority.

xxv. **COMPLIANCE CONDITIONS:**

The width of the road around the park shall be a minimum of 3.0 meters instead of 1.5 m, as proposed.

COMPLIANCE STATUS:

The width of the road around the park is kept at a minimum of 3.0 meters.

xxvi. **COMPLIANCE CONDITIONS:**

Under the provisions of the Environment(Protection) Act 1986, legal action shall be initiated against the project proponent if it was found that construction of the project had started without obtaining environmental clearance.

COMPLIANCE STATUS:

Before obtaining Environmental Clearance the project was not started.

xxvii. **COMPLIANCE CONDITIONS:**

Regular supervision of the above and other measures for monitoring should be in place all through the construction phase so as to avoid disturbance to the surroundings.

COMPLIANCE STATUS:

Regular supervision of compliance of the condition monitored necessary instruction to the respective areas was given as per provisions of the E.C. Regular Ambient Air Quality monitoring has been done and enclosed herewith as **Annexure- II**.

II. Operation Phase

i. **COMPLIANCE CONDITIONS:**

Grouping/zoning of the plots/units should be in such a way that the waste from one unit may be possible to be used as a raw material in another unit.

COMPLIANCE STATUS:

It will be complied when the unit will be in operation phase.

ii. **COMPLIANCE CONDITIONS:**

Emissions from blast furnaces/cupola furnaces/electrical furnaces/Inductive furnaces will meet the prescribed standards.

COMPLIANCE STATUS:

It is to be complied when all the units will start operation.

iii. **COMPLIANCE CONDITIONS:**

No coke oven plant will be setup within SEZ.

COMPLIANCE STATUS:

No Coke Oven Plant will be allowed in the park.

iv. **COMPLIANCE CONDITIONS:**

Iron Slag will be properly managed and efforts will be made to utilize the same in cement, road construction, landfill etc.

COMPLIANCE STATUS:

During operational phase Iron Slag will be properly managed and efforts will be made to utilize in downstream industry.

v. **COMPLIANCE CONDITIONS:**

Liquid effluent emanating from different units will be treated to conform to the prescribed standards.

COMPLIANCE STATUS:

There will be treatment facilities for the waste water to be generated from different units during operation phase.

vi. **COMPLIANCE CONDITIONS:**

Adequate measures will be taken to control fugitive dust emissions from the foundries in SEZ.

COMPLIANCE STATUS:

Every unit will implement the measures for control of fugitive dust emission from the foundries in the park during operation.

vii. **COMPLIANCE CONDITIONS:**

Diesel power generating sets proposed as source of backup power for lifts and common area illumination should be of "enclosed type" and conform to rules made under the Environment (Protection) Act 1986. The location of DG Set may be decided in consultation with State Pollution Control Board.

COMPLIANCE STATUS:

It will be consulted with the WBPCB during operation phase.

viii. **COMPLIANCE CONDITIONS:**

During night time the noise levels measured at the boundary of the building/SEZ shall be restricted to the permissible levels to comply with the prevalent regulations.

COMPLIANCE STATUS:

The Noise levels will be restricted to within limits of WBPCB during operational phase.

ix. **COMPLIANCE CONDITIONS:**

Noise should be controlled to ensure that it does not exceed the prescribed standards.

COMPLIANCE STATUS:

Appropriate control system for Noise will be implemented, so that it does not exceed the prescribed standards.

x. **COMPLIANCE CONDITIONS:**

Weep holes in the compound walls shall be provided to ensure natural drainage of rainwater in the catchment area during the monsoon period.

COMPLIANCE STATUS:

It will be complied.

xi. **COMPLIANCE CONDITIONS:**

The STP/CETP shall be installed for the treatment of sewage/trade effluent generated to the prescribed standards including odour. Treated waste water shall be used for flushing of toilets, etc. In case treated effluent is to be discharged separately during monsoon period consent of State Pollution Control Board shall be taken.

COMPLIANCE STATUS:

It will be complied.

xii. COMPLIANCE CONDITIONS:

Separation of gray and black water should be done by the use of dual plumbing line. Treatment of 100% gray water by decentralized treatment should be done.

COMPLIANCE STATUS:

It will be complied.

xiii. COMPLIANCE CONDITIONS:

For disinfection of wastewater ultra violet radiation shall be used in place of chlorination.

COMPLIANCE STATUS:

It will be complied.

xiv. COMPLIANCE CONDITIONS:

Rainwater harvesting and ground water recharging shall be practiced. Oil & Grease trap shall be provided to remove oil and grease from the surface run off and suspended matter shall be removed in a settling tank before its utilization for rainwater harvesting.

COMPLIANCE STATUS:

The unit will have efficient rainwater harvesting and ground water recharging along with oil & grease trap for removed of oil & grease from the surface run off and suspended matter.

xv. COMPLIANCE CONDITIONS:

The solid waste generated should be properly collected & segregated. The project proponent shall consider generation of biogas from biodegradable component of solid wastes. The final view/proposal in this regard shall be submitted to MoEF within two months.

COMPLIANCE STATUS:

It will comply before operation starts.

xvi. **COMPLIANCE CONDITIONS:**

Disposal of debris and sludge etc. shall be planned on long-term basis. Their use of road construction work is a short- term proposal. Details in this regard shall be submitted to MoEF within two months.

COMPLIANCE STATUS:

It will be planned & complied.

xvii. **COMPLIANCE CONDITIONS:**

The open spaces inside the plot should be preferably landscaped and covered with vegetation of indigenous variety. Green belt of adequate width and density will be provided all around the periphery of the SEZ preferably with local species to reduce noise and dust level.

COMPLIANCE STATUS:

The cluster area will have decent landscape & vegetation. Green belt plant will be implemented.

xviii. **COMPLIANCE CONDITIONS:**

The ground water levels and its quality should be monitored regularly in consultation with Central Ground Water Authority. Permission shall be obtained from Central Ground Water Authority for drawing ground water.

COMPLIANCE STATUS:

It will be complied.

xix. COMPLIANCE CONDITIONS:

A report on the energy conservation measures should be prepared incorporating details about building materials & technology. R & U Factors etc and submitted to the Ministry in three months time.

COMPLIANCE STATUS:

After operation starts in different units a report on the energy conservation measures will be prepared & submitted to the ministry in three months time.

xx. COMPLIANCE CONDITIONS:

The values of R & U for the building envelope should meet the requirements of the hot & humid climatic location. Details of the building envelope should be worked out and furnished in three months time.

COMPLIANCE STATUS:

It will be complied.

xxi. COMPLIANCE CONDITIONS:

Energy conservation measures like installation of CFLs/FLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs & FLs should be properly collected and disposed of/sent for recycling as per the prevailing rules/guidelines/standards issued by the regulatory authority to avoid Mercury contamination. Use of solar panels may be done to the extent possible.

COMPLIANCE STATUS:

It will be complied.

xxii. **COMPLIANCE CONDITIONS:**

The buildings should have adequate distance between them to allow movement of fresh air and passage of light to the premises.

COMPLIANCE STATUS:

There will be enough space between buildings.

xxiii. **COMPLIANCE CONDITIONS:**

Adequate measures should be taken to prevent odour problem from solid waste processing plant as also from STP/CETP.

COMPLIANCE STATUS:

Adequate measures will be taken.

xxiv. **COMPLIANCE CONDITIONS:**

Sufficient provision will be made for parking of trucks for handling raw materials, finished products and waste materials. Details in this regard shall be submitted to MoEF within two months.

COMPLIANCE STATUS:

During operation all trucks will be kept at an earmarked parking lot before unloading of raw materials in different units.

B. GENERAL CONDITIONS**1. COMPLIANCE CONDITIONS:**

The environmental safeguards contained in the documents should be implemented in letter and spirit.

COMPLIANCE STATUS:

It will be done.

2. COMPLIANCE CONDITIONS:

Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the laborers during construction phase.

COMPLIANCE STATUS:

It is being provided.

3. COMPLIANCE CONDITIONS:

6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.

COMPLIANCE STATUS:

It is complied.

4. COMPLIANCE CONDITIONS:

Officials from the Regional Office of MoEF, Bhubneshwar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and document/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional office of MoEF, Bhubaneshwar.

COMPLIANCE STATUS:

It will be complied.

5. **COMPLIANCE CONDITIONS:**

In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

COMPLIANCE STATUS:

It will be complied if any change in the scope of the project takes place.

6. **COMPLIANCE CONDITIONS:**

The Ministry reserves the right to modify/add additional environmental safeguards subsequently, if found necessary. Environment Clearance granted will be revoked if it is found that false information has been given for approval of the project.

COMPLIANCE STATUS:

The authority of this cluster is agreed to accept any additional or modification of environmental safeguards.

7. **COMPLIANCE CONDITIONS:**

Necessary permission shall be obtained from the State Fire Department for providing fire safety measures before allotment of premises. If any forest land is involved in the proposed site, clearance under the Forest Conservation Act, 1980 from the Competent Authority shall be taken.

COMPLIANCE STATUS:

It will be complied.

8. COMPLIANCE CONDITIONS:

These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986 and the Public Liability (Insurance) Act, 1991.

COMPLIANCE STATUS:

It is accepted & to be complied.

9. COMPLIANCE CONDITIONS:

The project proponent shall enter in to MOU with all buyers of the property to ensure operation and maintenance of the STP/CETP and other assets of the SEZ.

COMPLIANCE STATUS:

The MOU will be made between all the buyers of the plot in this cluster to ensure operation & maintenance of the STP/CETP as applicable inside this cluster.

10. COMPLIANCE CONDITIONS:

Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority. If preferred within a period of 30 days as prescribed under section 11 of the National Environmental Appellate Act, 1997.

COMPLIANCE STATUS:

It is acceptable.