

ENVIRONMENTAL CLEARANCE SPECIFIC CONDITIONS

SL. NO.	CONDITION	COMPLIANCE
i)	The Company shall make the plan for protection of runoff from the premises to the Kolleru lake. Details of the plan shall be submitted to the Ministry's Regional Office at Bangalore.	Complied. Measures taken to ensure no run off from the plant premises to Kolleru Lake are, a) Collection gutter system around the plant building is provided to send the run off to the ETP for treatment . b) 3 M wide x 0.9 M height bund is formed along the Balusuvagu on the western side of the plant to ensure that no run off from our premises reaches Kolleru Lake. c) Arrangements are in place to pump rainwater into 2 collection ponds with an aggregate capacity of about 1,24,500 M ³ . d) A bund of 2 m wide x 0.6 m height around the Agriculture Farm & on the Southern side was formed to ensure that treated effluent used for irrigation of Agricultural Farm and Green belt does not flow outside.
ii)	The total effluent generation after expansion shall not exceed 635 m ³ /day. Treated effluent shall be utilized for green belt development with due compliance of the APPCB standards for irrigation.	The ETP installed is designed to treat the total effluent generated after expansion to 6000 TCD and meet the standards of on-land irrigation. After expansion the total effluent generated will be 587 M ³ / day during season and 391 M ³ / day during off-season incase of Co-generation. A green belt of 58.8 acres has been developed including 40 acres of Agriculture Farm that uses the treated effluent for on-land irrigation.
iii)	The Company shall obtain permission for drawl of water from the competent authority.	Permission has been obtained from the State Irrigation Department and is in vogue since the inception of this unit.
iv)	The emissions from the boiler shall be less than 100 mg/Nm ³ . The boiler stack shall provided with the monitoring arrangements.	Bagasse Drier followed by the wet scrubber is being used as emission control equipment for the boiler stack and are meeting the norms.
v)	The Project authorities would adhere to the provision stipulated in the fly ash notification of September 1999 and as amended in August 2003 in regard to fly ash disposal.	We are complying with the provision stipulated in the Fly ash notification of Sep 1999 as amended in Aug 2003. Fly Ash being made available to brick manufactures.

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vi)	The Company shall develop the green belt in 58.8 acres to mitigate the effects of fugitive emissions, odour nuisance and noise and general improvement of the environment all around the Plant. The development of green belt shall be as per the Central Pollution Control Board guidelines. Land use of green belt area shall not be changed.	58.8 acres including the Agricultural Farm form the green belt.
vii)	Adequate numbers of ground water quality monitoring stations shall be set up around the green belt area. These monitoring stations will be provided with piezometers. The Company shall monitor six monthly, the soil and ground water quality in the Plant and green belt area to ensure that there shall not be ground water pollution and reports submitted to Ministry's Regional Office/SPCB/CPCB.	State Ground water authority has carried out a study for water harvesting as well as Ground water quality monitoring and their recommendations were implemented.
viii)	The Company shall develop covered storage areas for lime, Sulphur and Phosphoric acid to avoid mixing of the same with the rainwater.	Covered storages are provided for Lime and Sulphur. Phosphoric acid is being stored in Closed tanks.
ix)	The Project authorities shall comply with CREP guidelines issued by Central Pollution Control Board in letter and words.	Complied. We have been followed by CREP guidelines issued by Central Pollution Control Board.
x)	The Company shall develop rainwater-harvesting structures to harvest the run off water for recharge of ground water and promote the rainwater harvesting technology villages around the Plant.	As explained in Point No.1, Rainwater is being harvested and stored in 2 ponds and this water is being used for the Agricultural Farm and the Green Belt. State Ground water authority has conducted a study and recommended a suitable system. Their recommendations were implemented.

ENVIRONMENTAL CLEARANCE GENERAL CONDITIONS

SL. NO.	CONDITION	COMPLIANCE
i)	The Project authorities shall strictly adhere to the stipulations of the SPCB/State Government or any statutory body.	We shall follow the stipulations of the SPCB/State Government or any statutory body.
ii)	No further expansion or modifications in the Plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the Project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Yes, we shall follow.
iii)	At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the Unit, the Unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	The emissions have been controlled by Air Pollution Control systems to maintained the prescribed limits. In-case of any deviation Plant will be stopped and will be restarted after rectifying the problem.
iv)	The gaseous emissions (SO ₂ , NO _x) and particulate matter along with RSPM levels from various process Units shall conform to the standards prescribed by the concerned authorities from time to time.	Shall be maintained.
v)	The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.	Ambient air quality is being monitored by 3 rd party in regular intervals all the parameters are within the limits which is being submitted to APPCB.
vi)	Dedicated ESP/scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various sources.	High efficiency Scrubber was installed and its performance is satisfactory.

vii)	<p>The Company shall undertake following Waste Minimization measures.</p> <ul style="list-style-type: none"> ➤ Metering and control of quantities of raw materials to minimize waste. ➤ Use of automated material handling to minimize spillage ➤ Use of "Closed Feed" system into batch reactors. ➤ Use of high-pressure hoses for equipment cleaning to reduce wastewater generation. 	<p>To avoid spillage and over flows level automation was done. No batch reactors exist.</p> <p>High-pressure water jetting machine is being used for equipment cleanings.</p>
viii)	<p>The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended and Hazardous Waste (Management and Handling) Rules, 1989 as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage and disposal of hazardous wastes.</p>	<p>We shall comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended and Hazardous Waste (Management and Handling) Rules, 1989 as amended from time to time.</p> <p>Authorization from the SPCB has been obtained for collection, treatment, storage and disposal of hazardous wastes.</p>
ix)	<p>The overall noise levels in and around the Plant area shall be kept well within the standards 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>Noise control measures were taken up to control the noise levels well within the limits.</p>
x)	<p>Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.</p>	<p>Being followed.</p>
xi)	<p>The Company shall undertake eco-developmental measures including community welfare measures in the Project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.</p>	<p>Being followed.</p>

xii)	The Project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.	Complied.
xiii)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	An environmental cell is set up with full-fledged laboratory facilities.
xiv)	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted for compliance.
xv)	The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry / SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	Compliance report was submitted.
xvi)	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 Committee and may also be seen at Website of the Ministry at http://emvfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local news papers 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 concerned Regional Office of the Ministry.	Pubic were informed through two local newspapers that the project has got Environmental clearance from the Ministry. A copy of the same was submitted to the Regional Office of the Ministry.
xvii)	The 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 state of the Project.	Noted for compliance.