

BEIL Infrastructure Limited

Compliance Status for Consent To Establish (NOC) No GPCB/CE/BRCH/NOC-

3354[CCA-167(5)/14483 DATED 22nd May, 2007

Without Prejudice to the powers of this Board under the water (Prevention and Control of Pollution) Act-1974. the Air Act – 1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way this is to inform you that this Board grants Consent to Establish (NOC) for expansion of common incinerator plant along with Heat Recovery System & Evaporation System at new Notified site for TSDF at plot No. 9601 to 9604, 10001 to 10003 G-7 & 8, 7924 to 7927, 9401 to 9412, 9501 to 9506, 7906 E to H, 9901 to 9908 & 9923 to 9928, GIDC Ankleshwar Dist. Bharuch the Following items.

The Validity period of the order will be Five Years from date of issue.

Sr. No.	Item	Capacity	Status
1	Common incineration Facility Along with Heat Recovery System & Evaporation System.	Thermal Capacity 5 to 10 T/Hr (25 Million Kcal / Hr.)	Received CC & A.

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:

(If ECC as per 14.9.2006 Notification is applicable only)

Sr. No.	Item	Status
1	Applicants have to obtain the Environmental Clearance from the relevant authority by 30.6.2007 since this project requires EIA clearance as per the EIA notification 2006 dated 14.9.2006.	Complied Environmental clearance obtained No .10-48/2007IA-III Dated 4 th March ,2008
2	In the mean time, unit can carry on with commencement of the project activities.	Complied
3	Unit not seeking clearance under EIA-notification 2008 by 30.6.2007 will be treated as violation under section 15 of Environment (Protection) Act. 1986.	Noted.
4	Applicant shall comply with all the conditions stipulated by SEIA / MOEF in the order of Environment clearance as and when issued.	Complied.
5	Unit shall strictly follow the CPCB guideline for common incinerator, Publisher time to time.	Complied. We are strictly following the CPCB guidelines for common incinerator, publisher time to time.

CONDITIONS UNDER WATER ACT. 1974.

1	Waste water generated from Quencher (evaporative cooler) & wet scrubber of incinerator shall not exceed 67 m ³ /day (existing 30m ³ /day from proposed incinerator) which shall be sent to CETP of M/s ETL Ankleshwar for treatment OR it will be treated in a proposed evaporation system at site and generated salt shell be proposed at land filling site at BEIL.	Complied. Waste water generated from Quencher (evaporative cooler) & wet scrubber of incinerator is not exceeding than consent limit. Which is being sent to CETP of M/s ETL Ankleshwar for treatment OR is being treated in an
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		evaporation system at site and generated salt is being dumped at BEIL.
2	The quantity of the domestic waste water (sewage) shall be nil.	Complied. The quantity of the domestic waste water is nil.
3	The applicant shall operate the incinerator at a temperature at $1100\text{ }^{\circ}\text{C} \pm 100^{\circ}$ with gas residence time of 2 (two) seconds at the post combustion chamber when the chlorine content is less than 1% when the chlorine content is more than 2% the temperature maintained will be $1200\text{ }^{\circ}\text{C} \pm 100\text{ }^{\circ}\text{C}$.	Complied. We are operating the incinerator at a temperature at $1100^{\circ}\text{C} \pm 100^{\circ}$ with gas residence time of 2 seconds at the post combustion chamber when the chlorine content is less than 1%, when the chlorine content is more than 2% the temperature is maintained at $1200\text{ }^{\circ}\text{C} \pm 100\text{ }^{\circ}\text{C}$.
4	The applicant shall be required to make storage facilities to store the effluent for at least 48 hours by providing acid proof brick lined impervious tanks/HDPE tanks.	Complied We have made storage facilities to store the effluent for at least 48 hours by providing acid proof brick lined impervious tanks/HDPE tanks.

5	The applicant shall make fixed arrangement for loading the effluent from their collection tanks to the tanker of ETL. The unit shall not keep any by-pass line or system or loose or flexible pipe line for loading the effluent into the tanker of ETL.	Complied. We had made fixed arrangement for loading the effluent from their collection tanks to the tankers of ETL.
6	Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be conveyed along with industrial effluent to the CETP of ETL.	Complied Leachate are collected separately in leachate collection wells and sent to MEE or ETL for further treatment.
7	Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks/ETP to measure the quantity of effluent lifted into the tanker of ETL.	Complied Magnetic flow meters are installed at the inlet & outlet of effluent collection tanks/ETP to measure the quantity of effluent liquid into the tankers of ETL.
8	The ENTIRE quantity of industrial effluent shall have to be conveyed by ETL. In no circumstances the effluent either treated or untreated shall be discharged into GIDC drain or any where else.	Complied Effluent generated from the industry is treated in MEE or sent to ETL for further treatment. No untreated effluent is

		discharged into GIDC drain or anywhere else.
9	Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.	Complied Storm water collection and disposal system is provided separately. Storm water is not being mixed with industrial effluent.
10	The applicant shall be responsible for loading its effluent into the tankers of the ETL for transporting the effluent. Due care shall be taken to avoid any leakage or spillage of effluent during loading the tanker.	Complied Separate loading arrangement system is provided
11	If the effluent contains heavy metals, phenols & cyanide, the ETL member unit shall have to treat the effluent within its premises to conform to be following standards (whichever applicable)	Complied.

<u>PARAMETERS</u>	<u>PERMISSIBLE LIMIT</u>	
Zinc (Zn)	5.0 mg/l	All parameters are well within limit.
Total Chromium	2.0 mg/l	
Nickel (Ni)	3.0 mg/l	
Mercury (Hg)	0.01 mg/l	
Cyanide (as CN)	0.2 mg/l	
Pesticides	Absent	
Phenolic Compounds	1.0 mg/l	
Lead (Pb)	0.1 mg/l	
Copper (Cu)	3.0 mg/l	
Hexavaient Chromium	0.1 mg/l	
Cadmium (Cd)	1.0 mg/l	
Arsenic (As)	0.2 mg/l	
Selenium	0.05 mg/l	

12	The applicant shall keep accurate records of quantity of production of each product. Quantity of water consumption, quantity of effluent generated and consumption or electricity on day to day basis and required to submit the complied record of one month to GPCB & ETL on or before fifth day of the succeeding month.	Complied for Existing Incinerator Noted For New Incinerator
13	In case of shut-down of plant for more than three days for any reason, the ETL unit member shall intimate to ETL authority & GPCB well in advance for the better operation & management of CETP.	Noted
14	The applicant shall either stop or curtail its production activities if the effluent is not adequately treated by the CETP of ETL to conform to the standards specified by GPCB.	Noted
15	The authorized representative of ETL shall have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities ETL (if required) of the applicant.	Noted
16	In case of incinerators, the flow measuring devices for mother liquor/toxic effluent / non biodegradable effluent, light diesel oil, Furnace oil, etc i.e. fuel used for combustion, air used for combustion shall be separately provided. Incinerator temperature recording devices as well as gaseous flow measuring devices for scrubber shall be provided. These data of temperature & flow should be recorded every day & submitted to GPCB & ETL on monthly basis.	Complied.
17	THE GIDC DRAINAGE CONNECTION GIVEN BY THE GIDC FOR DISCHARGE OF INDUSTRIAL EFFLUENT SHALL BE DISCONNECTED	Complied

	& THE OUTLET SHALL BE SEALED.	
18	If the ETL authority terminates the membership of CETP, the ETL member unit shall have to close down the manufacturing activities. Industrial operation of the process plant immediately unit the ETL membership is resumed.	Noted

CONDITIONS UNDER AIR ACT 1981:

19	The following shall be used as fuel in the boiler/incinerator as following rates	
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Sr. No.	Name of Fuel	Quantity	
1	Natural Gas	14000 to 16000 Nm ³ /day	Noted
2	Diesel in D.G. set of 1000 KVA Capacity	225 Ltr/Hr	Noted

20	The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.	
21	The flue gas emission through stack shall conform to the following standards.	

Stack No.	Stack attached	Stack height in Meter	Parameter	Permissible Limit
1	D.G. Set	11	Particulate matter SO ₂ NO ₂	150 mg/NM ³ 100 ppm 50 ppm

22	There shall be no process emission from the manufacturing process as well as any other ancillary process.	Complied
23	Stack monitoring facilities like port hole, platform / adder etc, shall be provided with stacks / vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.	Complied
24	The process emission through various stacks / vents of reactors. Process , vessel shall conform to the following standards.	Complied

Stack No.	Stack attached	Stack height in Meter	Air Pollution Control system	Parameter	Permissible Limit
1	Common Incinerator	45	Quencher, Caustic Scrubber bag Filter	Particulate Matter SO ₂ NO _x HCL Chlorine Ammonia H ₂ S Mercaptan	50 mg/NM ³ 200 mg/NM ³ 400 mg/NM ³ 50 mg/NM ³ 9 mg/NM ³ 175 g/NM ³ 45 mg/NM ³ 0.8 by volume
				CO Hydrocarbon Dioxins Furans TOC HF Cd + Th (& its Compound) Hg (& its – 0.05 Mg/NM ³) Syo + As + Pb + Cr + Co + Cu + Mn + Ni + V (& their compounds)	100 mg/NM ³ 15 mg/ NM ³ 0.1ng/TEQ/NM ³ 3 0.1ng/TEQ/NM ³ 3 20 mg / NM ³ 4 mg / NM ³ 0.06 mg / NM ³ 0.5 mg / NM ³

25	Stack monitoring facilities like port hole platform/ladder etc shall be provided with stacks/vents chimney in order to facilities sampling of gases being emitted into the atmosphere.	Complied
26	Ambient air quality within the premises of the industry shall conform to the following standards.	Complied
<u>PARAMETERS</u>		<u>PERMISSIBLE LIMIT</u>
Suspended Particulate Matter		500 Microgram/M ³
RSPM		150 Microgram/M ³
SO ₂		120 Microgram/M ³
NO _x		120 Microgram/M ³
HCL		200 Microgram/M ³
CL ₂		100 Microgram/M ³
Ammonia		850 Microgram/M ³
Hydrocarbon		160 Microgram/M ³
H ₂ S		500 Microgram/M ³
HF		60 Microgram/M ³
CO		5000 Microgram/M ³
CS ₂		2000 Microgram/M ³
27	All measures for the control of environmental pollution shall be provided before commencing production.	Complied
28	The Fly ash generated from incinerator will be collected & disposed off in TSDF of BEIL	Complied

All parameters are well within limit.

CONDITIONS UNDER HAZARDOUS WASTE:

29	Applicant shall have to comply with provisions of hazardous waste (Management & Handling) Rule-1989 as amended from time to time.	Complied.
30	The applicant shall obtain membership of common TSDF site for disposal of Haz. Waste as categorized in Hazardous Waste (Management & Handling) Rule-1989 as amended from time to time.	Not applicable
31	The applicant shall obtain membership of common Haz. Waste incinerator for disposal of incinerable waste.	Not applicable
32	The applicant shall provide temporary storage facilities for each type of Haz. Waste as per Haz. Waste (Management & Handling) Rule-1989 as amended from time to time.	Complied Impervious storage facility for Incinerable Hazardous waste is provided

GENERAL CONDITION:

33	If will keep necessary record of incineration of waste (quantity & quality / category wise)	Complied.
34	Floor washing, if any should be replaced by mopping with saw dust which should finally be incinerated.	Complied.
35	Proper operation and maintenance of the pollution control measures provided is essential, hence the industry should strain the personnel for operation and maintenance of pollution control system.	Complied.
36	The house keeping which is very important in overall environmental management hence the industry is required to provide pucca flooring within the plant and proper tank for collection of waste water if any & same shall be incinerate.	Complied.
37	The industry is required to monitor ground water quality in and around the plant premises to check its contamination through leachate due to improper handling of solid waste.	Complied.
38	Adequate plantation shall be carried out all along the periphery of the	Complied.

	industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 10 meters width is developed.	
39	The applicant shall have to submit the returns in prescribed form regarding water consummation and shall have to make payment of water cess to the Board under the waste cess Act. 1977.	Complied.
40	In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.	Noted.
41	The applicant shall however not without the prior consent of the board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this board for this purpose in the prescribed forms under the provisions of the water Act-1974, the air Act-1981 and the environment (Protection) Act – 1986.	Noted.
42	The applicant also comply with the general conditions as per annexure –I attached herewith (No.1 to 38) (whichever applicable)	Noted and complied.
43	The concentration of noise in ambient air within the premises of industrial unit shall not exceed following levels. Between 6A.M. and 10 P.M.: 75dB (A) Between 10 P.M. and 6 A.M.: 70dB (A)	Complied.