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TEL: 39818000, FAX: 39818888



**asianpaints**

Asian Paints Limited

Penta Division

AN ISO 14001 &

OHSAS 18001 UNIT

**PLEASE REPLY TO:**

Penta Division, B-5 to B-10, SIPCOT Industrial Complex, Kudikadu, Cuddalore-607 005.

Tel: 239247, 239248 & 239423, Fax: 239234.

APL/CDL/MoEFCC/ 048 /2015-16

16<sup>th</sup> July 2015

*Recd*  
*Bm*  
*17.7.15*  
Additional Principal Chief Conservator of Forests,  
Ministry of Environment, Forest and Climate Change,  
Regional Office,  
1<sup>st</sup> and 2<sup>nd</sup> Floor, Handloom Export Promotion Council,  
34, Cathedral Garden Road, Nungambakkam,  
Chennai – 600 034

Through- Dr.S.V. Reddy

Dear Sir,

**Sub:** Half yearly compliance report for the period October 2014 to March 2015-Regards

**Reference:**

1. EC of the existing operating unit (EC Order No. F. No. J- 11011/345/2011- IA II (I) dated 24.02.2014).
2. EC of the existing operating unit for CPP (EC Order No. SEIAA/TN/EC/1(d)/001/F-01/2008 DT. 22.07.08).

Kindly find attached the details of half yearly compliance report factoring your suggestions. Kindly peruse the details and we request your kind approval for the compliance to the Environmental conditions referred above.

Yours truly,

K. Thulaseedharan Nair

General Works Manager

K. Thulaseedharan Nair | General Works Manager | Asian paints Limited | (Dir) 91- 4142 - 645 248 | (M) +91-9825411578|

**Address:** Asian Paints Limited, Penta Division, B5 - B10 SIPCOT Industrial Complex, Kudikadu, Cuddalore - 607 005, Tamil Nadu

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS**  
**ASIAN PAINTS ,PENTA DIVISION OCTOBER-2014 TO MARCH-2015**

**Sub:** Increase in Production of Pentaerythritol (from 450 MTPM to 560 MTPM) and Sodium Formate (275 MTPM to 336 MTPM) in existing Unit of M/s Asian Paints Limited at Plot No. B5-B10, Sy. No. 126-131, 137 & 165 at Sipcot Industrial Estate, Village Kudikadu. Mandal & District Cuddalore, Tamil Nadu - Environmental Clearance reg.

**Ref:** EC of the existing operating unit (EC Order No. F. No. J- 11011/345/2011-IA II (I) dated 24.02.2014).

S.No	EC Specific Conditions	Compliance Status
i	Compliance to all the specific and general conditions mentioned in the existing environmental clearance letter no. SEIAA/TN/EC/1 (d)/001/F-01/2008 dated 22 <sup>nd</sup> July, 2008 and letter no. SEIAA/TN/EC/5(f)/005/F-I 17/2009 dated 9 <sup>th</sup> July, 2009 shall be ensured.	All the specific and general conditions mentioned in the existing environmental clearances are being complied with. <b>Annexures 1A, 1B and 1C</b>
ii	Bag filter shall be provided to coal fired boiler to control particulate emissions within permissible limit. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/TNPCB guidelines.	Bag filter is provided to coal fired boiler and particulate emissions are controlled well within the permissible limit. The gaseous emissions are being dispersed through stack of adequate height as specified by the CPCB/TNPCB guidelines. Our boiler stack emissions are online connected to CARE AIR Centre, TNPCB. <b>Complied with.</b>
iii	Vapour emissions from the process vents shall be controlled by installation of suitable scrubbers and condensers. The scrubbed water shall be sent to ETP for further treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. Scrubbers vent shall be provided with on-line detection and alarm system to indicate higher than permissible value of controlled parameters. At no time, the emission levels shall go beyond the prescribed standards. The system shall be interlocked with the pollution control equipments so that in case of any increase in pollutants beyond permissible limits, plant shall be automatically stopped. Stack monitoring shall be done regularly and report shall be submitted to Tamil Nadu Pollution Control Board (TNPCB) and the Ministry's regional office at Chennai.	Vapour emissions from the process vents are controlled by installation of suitable scrubbers. The scrubbed water is reused in the process. Efficiency of the scrubber is monitored regularly and maintained properly. Vent of the Scrubbers are provided with on-line detection and alarm system to indicate higher than permissible value of controlled parameters. The pollution control equipments are interlocked so that in case of any increase in pollutants beyond permissible limits, plant will get automatically stopped. Stack monitoring is done regularly and report is submitted to TamilNadu Pollution Control Board (TNPCB) and the Ministry's regional office at Chennai. <b>Being adhered.</b> <b>Annexure-2</b>





iv	<p>Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> September, 2009. The levels of PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, VOC and HC (Methane and Non-methane) shall be monitored in the ambient air and emissions from the stacks and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and the Tamil Nadu Pollution Control Board (TNPCB).</p>	<p>Ambient air quality data are collected as per NAAQS standards. The levels of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> are being monitored continuously through the ambient air quality monitoring station and the data's are connected online to the CARE AIR centre, TNPCB. VOC &amp; HC is being monitored regularly by internal lab, quarterly by MoEF approved laboratories (third party) and half yearly by TNPCB lab. The Consolidated data's are uploaded in company website and also sent to Regional Office of MoEFCC &amp; TNPCB.</p> <p><b>Being adhered.</b></p>
v	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling &amp; conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the TNPCB.</p>	<p>In plant control measures for checking Fugitive emissions (raw materials storage area, Various stacks) are regularly monitored and the emissions are maintained well within the limits stipulated by the TNPCB.</p> <p><b>Being adhered.</b></p>
vi	<p>Online VOCs detectors shall be installed in the work zone. When monitoring results indicate the levels above the permissible limits, effective measures shall be taken immediately.</p>	<p>Online VOCs detectors are installed in the work zone and in case of any deviation, system of alarming prevails for taking effective action immediately.</p> <p><b>Complied with.</b> <b>Annexure-3</b></p>
vii	<p>For further control of fugitive emissions, following steps shall be followed :</p> <ol style="list-style-type: none"> <li>Closed handling system shall be provided for chemicals.</li> <li>Reflux condenser shall be provided over reactor.</li> <li>System of leak detection and repair of pump/pipeline based on preventive maintenance.</li> <li>The acids shall be taken from storage tanks to reactors through closed pipeline.</li> <li>All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.</li> <li>Cathodic protection shall be provided to the underground solvent storage tanks.</li> </ol>	<p>For further control of fugitive emissions, following steps are followed :</p> <ol style="list-style-type: none"> <li>Closed handling system is provided for chemicals.</li> <li>Reactor vent is connected to suction of Formaldehyde plant blower.</li> <li>System of leak detection and repair of pump/pipeline is being done regularly based on preventive maintenance.</li> <li>Aldehydes and other chemical lines are connected to reactor through closed pipe line.</li> <li>All the solvent storage tanks are connected to suction of Formaldehyde blower.</li> </ol>



		f. We do not have underground solvent storage tanks. <b>Being adhered.</b> <b>Annexure-4</b>
viii	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution.	The gaseous emissions from DG set are dispersed through adequate stack height as per CPCB standards. Acoustic enclosure is provided to the DG sets to mitigate the noise pollution. <b>Complied with.</b>
ix	Total fresh water requirement from SIPCOT water supply shall not exceed 695 m <sup>3</sup> /day and prior permission shall be obtained from the Competent Authority and a copy submitted to the Ministry's Regional Office at Bangalore. No ground water shall be used.	Total fresh water consumption has not exceeded 695 m <sup>3</sup> /day and it is entirely met from SIPCOT supply only. No ground water is drawn. Average Water consumption was in the range of 580 m <sup>3</sup> /day to 630 m <sup>3</sup> /day during the period of October 14 to March 15. Month wise water consumption details summary from October 14 to March 15 is enclosed as <b>Annexure-5.</b> <b>Complied with.</b>
x	Total industrial wastewater generation shall not exceed 161 m <sup>3</sup> /day. Industrial effluent shall be treated in ETP followed by Reverse Osmosis. Treated effluent shall be recycled/reused within factory premises after achieving desired water quality for various purposes. Rejects from RO shall evaporated in MEE followed by ATFD. Sewage shall be treated in STP. No effluent shall be discharged outside the factory premises and 'Zero' discharge concept shall be adopted.	Total industrial wastewater generation has not exceeded 161 m <sup>3</sup> /day. Average Effluent generation was in the range of 59 to 74 m <sup>3</sup> /day during the period of October 14 to March 15 and is enclosed as <b>Annexure-6.</b> Treated effluent after achieving desired water quality is reused within factory premises. Rejects from RO are evaporated in MEE followed by ATFD. Sewage is treated in STP. No effluent is discharged outside the factory premises and 'Zero' discharge concept has been adopted. <b>Complied with</b>
xi	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Process effluent /wastewater are not allowed to mix with storm water drain. Online pH & TDS meters are available in storm water drain to ensure the quality of storm water in storm water drain. <b>Complied with.</b>
xii	As proposed. MEE/ATFD salt and ETP sludge shall be sent to the TSDF. Spent catalyst/ resin and spent oil shall be sent to authorized recycler/re-processor.	As proposed MEE/ATFD and ETP sludge is being sent to the Tamilnadu waste management association (TSDF), at Gummidipoondi. Spent catalyst and spent oil are sent to authorized recycler/re-processor. Handling and disposal of Hazardous waste are complied with TNPCB norms. <b>Being adhered.</b>





xiii	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 and amended as on date for management of Hazardous wastes and prior permission from TNPCB shall be obtained for disposal of solid / hazardous waste in the TSDF. Measures shall be taken for fire fighting facilities in case of emergency.	The company has obtained Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-Boundary Movement) Rules, 2008 is available till 2016 and is enclosed as <b>Annexure-7</b> . In case of emergency, facilities for fire fighting is available. <b>Complied with.</b>
xiv	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA). 1989.	The Company strictly complies with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended from time to time. All Transportation of Hazardous Chemicals is done as per the Motor Vehicle Act (MVA) 1989. <b>Being adhered.</b>
xv	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. Fire hydrant system shall be provided along with fire monitor and flame detection system in the process as well as storage areas.	The unit has made arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting systems are as per the norms. Fire hydrant systems are available along with fire monitor and flame detection systems in the process as well as storage area are available. <b>Complied with. Annexure-8.</b>
xvi	The company shall comply with the recommendations made in the EIA/EMP/Risk assessment report. Risk assessment shall be included in the safety Manual.	We are complying by the conditions / recommendations mentioned in the EIA/EMP/Risk assessment report. Risk assessment is included in the safety manual. <b>Complied with.</b>
xvii	Proper spillage control management plan should be prepared and implemented.	Proper spillage control management plan has been prepared and implemented. <b>Being adhered.</b>
xviii	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Training has been imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees are done on regular basis. Training to all employees on handling of chemicals is imparted. Occupational health surveillance of workers is being carried out on regular basis and records are maintained as per the Factories Act, 1948. Health records are being archived year wise and are updated. We have full-fledged Occupational Health centre manned round the clock. We also have an ambulance stationed in our factory premises. <b>Complied with.</b>





xix	As proposed, greenbelt shall be developed in 15.7 acres out of total plant area 29.2 acres. Selection of plant species shall be as per the CPCB guidelines	As proposed, about 54% of the total land area (15.7 acres) has been used for developing green belt. Plant species are selected as per the CPCB guidelines. Photograph and the plant lay out showing green belt is attached as Annexure-9.
xx	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/procedure to bring into focus any infringement/deviation/ violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	Environmental policy is available. Standard operating process/procedure is available for all operations to ensure meeting environmental or forest norms/conditions. Defined hierarchy to deal with environment issues is available. Periodic compliance update is given to board of directors. <b>Being adhered.</b>
xxi	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	Ours is a running plant and hence not applicable.

**GENERAL CONDITIONS COMPLIANCE STATUS FOR ASIAN PAINTS ,PENTA DIVISION OCTOBER-2014 TO MARCH-2015**

S.No.	General Conditions	Compliance Status
i	The project authorities shall strictly adhere to the stipulations made by the T.N. Pollution Control Board.	We are adhering to the stipulation made by TNPCB. <b>Being adhered.</b>
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.	No further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment and Forests/SEIAA. <b>Complied with.</b>





iii	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	We have two permanent ambient air quality monitoring stations installed in the upwind and downwind direction as per the direction received from the TNPCB. <b>Being adhered</b>
iv	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).	The overall noise level monitoring is carried out by the in-house facility. TNPCB lab monitors twice a year. Overall noise levels in and around the plant area are kept well within the standards prescribed by the TNPCB by providing noise control measures on all sources of noise generation. The safety valve outlets, steam vents and blowers are fitted with silencers. The DG set (stand by) is housed in an acoustic enclosure. <b>Complied with.</b>
v	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	The company has Rainwater harvesting facilities from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities to conserve fresh water. <b>Complied with. Annexure-10</b>
vi	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Training on safety and health aspects of chemical handling are done to all employees. Routine periodical medical examinations for all employees are undertaken once in ever year. <b>Complied with.</b>
vii	Usage of Personnel Protection Equipments (PPEs) by all employees/ workers shall be ensured.	Usage of Personnel Protection Equipment's (PPEs) by all employees/ workers is ensured. <b>Being adhered</b>
viii	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	The company is complying with all the environmental protection measures and safeguards which is proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP with respect to environmental management, risk mitigation measures are implemented. Public hearing is not applicable.
ix	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	The company has undertaken all relevant measures for improving the socio-economic conditions of the surrounding area. As a part of our routine CSR activities Scholarship to the students, EB bill & Teachers Salary being paid every year to the adopted Government Hr.Sec.School in nearby village, Kudikadu. The company has started a new





		health centre in the nearby village, Kudikadu. For the Financial year 2014-15 an amount of Rs 31.5 lakhs has been spent for CSR activities and is attached as <b>Annexure-11</b> . <b>Complied with.</b>
x	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	The company is undertaking eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. <b>Being done.</b>
xi	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	A Separate Environment management cell equipped with full-fledged laboratory facilities are available, which are carrying out environment management and monitoring functions. <b>Complied with.</b>
xii	The company shall earmark sufficient funds toward capital cost and recurring cost/annum 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 earmarked for environment management/ pollution control measures shall not be diverted for any other purpose	The company has earmarked sufficient funds toward capital cost and recurring cost/annum 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. A capital cost of Rs 60 lakhs was spent during the Financial year 2014-15 for erection & commissioning of Sewage treatment plant, and ash yard sprinkling system. A recurring cost of Rs 81.48 lakhs (Labour charges, Testing charges, Spares, maintenance and license fees) was spent during the Financial year 2014-15 for Environmental Pollution Control to implement the Environmental Management Measures stipulated by the MoEFCC/SEIAA. Funds are not diverted for any other purpose. <b>Complied with.</b>
xiii	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any from who suggestions/ representations, if any, were received while processing the proposal.	A copy of the clearance letter was sent to the Commissioner, Cuddalore Panchayat union. <b>Complied With.</b>
xiv	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the T.N. Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	The status of the compliance of the stipulated EC Conditions is uploaded in the company's website <a href="http://www.asianpaints.com">www.asianpaints.com</a> , and hard copies are also sent to the Regional Office of MoEFCC, Chennai and TNPCB. Environmental clearance copy and six monthly compliance status of the stipulated EC Conditions is uploaded in the company's website. <b>Being adhered.</b>





xv	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 clearance conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	The Environmental Statement for the financial year ending 31st March 2014 in Form – V has been submitted for the year 2013-14 vide Lr.No. APL/CDL/ TNPCB/ 029/ 2014-15 dated 26/06/2014 to the Tamil Nadu Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently. The status of compliance of EC conditions and Form V was sent to the Regional Office of MoEFCC, Chennai. Complied with. Environmental Statement is displayed in the company's website <a href="http://www.asianpaints.com">www.asianpaints.com</a>
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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	We have advertised in two local newspapers (Dinamalar & The Hindu ) which are widely circulated in the region, one of which in the vernacular language (Dinamalar) informing the public that i. The project has been accorded Environmental Clearance. ii. Copies of Clearance letters are available with the Tamil Nadu Pollution Control Board. <b>Complied with.</b> <b>Annexure-12</b>
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 start of the project	<b>Complied with.</b>



**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS FOR ASIAN PAINTS,  
CAPTIVE POWER PLANT, PENTA DIVISION OCTOBER-2014 TO MARCH-2015**

**Sub:** Establishment of 1\*16TPH boiler in place of 2\*7 TPH boiler along with a power generation of 0.995 MW inside the existing factory premises of M/s Asian Paints Limited, Penta Division, B5-B10, SIPCOT Industrial Complex, Kudikadu, Cuddalore – 607005. – Regds

**Ref:** Order No. SEIAA/TN/EC/1(d)/001/F-01/2008 DT. 22.07.08

S.No.	EC Conditions	Compliance Status.
01	"Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy shall be submitted to the SEIAA, Tamil Nadu before taking up of any construction activity at the site.	<p>CTE obtained from TNPCB vide there:</p> <ul style="list-style-type: none"> <li>Water Act Consent order: 4715 dt.28.11.2008 Proceeding No.T11/TNPCB/CHEM/F576/RL/CUD/W/08 dt. 28.11.2008.</li> <li>Air Act Consent Order: 4659 dt.28.11.2008 Proceeding No.T11/TNPCB/CHEM/F-576/RL/CUD/A/08 dt.28.11.2008.</li> </ul> <p>Copy submitted to SEIAA before taking up of any construction.</p> <p>CTO obtained from TNPCB vide there:</p> <ul style="list-style-type: none"> <li>Water Act Consent order: 22007 dt.20.10.2009</li> <li>Air Act Consent Order: 18046 dt.20.10.2009</li> </ul> <p>Consent renewal application was submitted online to TNPCB under both water and air act. <b>Complied with.</b> <b>Annexure-13 A, B,C and D.</b></p>
02	Incremental pollution loads on the ambient air quality, noise and water quality shall be periodically monitored after commissioning of the project.	<p>Incremental Pollution loads on the ambient air quality, noise and water quality is being periodically monitored.</p> <p>Recent analysis done through TNPCB laboratory showing the pollutant levels remaining within the norms permitted is enclosed as <b>Annexure 2.</b> <b>Complied with.</b></p>
03.	Suitable Air Pollution Control System (multiclone & Bag filters) and stacks of appropriate height as per the CPCB guidelines shall be provided to control emissions from various sources and shall ensure emissions levels below the standard prescribed by Tamil Nadu Pollution Control Board. Separate electric meters should be provided to the Air Pollution Monitoring System and a separate log book maintained for the daily meter readings and monthly report submitted to SEIAA, Tamil Nadu.	<p>The boiler is fitted with Suitable Air Pollution Control System measures such as Multiclones &amp; Bag filters. One Stack of 42 Mtrs. height (as per CPCB guidelines) for 16 TPH boiler has been erected. Emissions levels are well below the levels prescribed by TNPCB. Our online stack monitoring values (SPM, SO<sub>2</sub> &amp; NO<sub>x</sub>) are connected to CARE AIR CENTRE. Separate electric meter is installed. Ambient air quality data are collected as per NAAQS standards. The levels of PM<sub>2.5</sub>, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, are being monitored continuously through the ambient air quality monitoring station and the data's are connected online to the CARE AIR centre, TNPCB.</p>





		<p>Monthly report being submitted to TNPCB. A separate log book is maintained for the daily meter readings. <b>Complied with.</b></p>
04.	All the conditions stipulated by Tamil Nadu State Pollution Control Board in their CFE shall be strictly implemented	All the Conditions stipulated by Tamil Nadu State Pollution Control Board in their CFE are implemented. Compliance to the conditions stipulated in CFO are enclosed as <b>Annexure-14</b> <b>Complied with.</b>
05	Only imported coal with 2 – 4% ash content and low sulphur should be used as fuel. No other fuels should be used.	Only imported Coal with 2 – 4% ash content and low sulphur is being used as fuel. No other fuels are used. <b>Complied with.</b>
06.	Water requirement of 695 m <sup>3</sup> /day (no increase from existing quantity) should be met from the existing available water allocation from SIPCOT supply. No ground water shall be drawn for the power plant at any stage.	Our Water requirement 695 m <sup>3</sup> /day is met fully from SIPCOT supply. No ground water is drawn. Average Water consumption was in the range of 580 m <sup>3</sup> /day to 630 m <sup>3</sup> /day during the period of October 14- March 15. Month wise water consumption details summary from October14-March 15 is enclosed as <b>Annexure-5.</b> <b>Complied with.</b>
07.	The boiler blow-down shall be treated in existing ETP and treated water shall not be let out of the industry's premises.	The boiler blow-down is treated in existing ETP. Our's is ZLD unit and hence water is not let out of the industry's premises. <b>Complied with.</b>
08.	For controlling fugitive dust inside and outside the plant premises and vulnerable areas of the plant and dust extraction and suppression system and water sprinklers shall be ensured.	For controlling fugitive dust inside and outside the plant premises and vulnerable areas of the plant Dust suppression system and water sprinklers are available. Imported Coal is being procured in vehicles covered by tarpaulins conveyed through closed system. <b>Complied with.</b>
09.	Noise level shall be limited to 75 dBA. For people working in high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	Noise level is maintained within 75 dBA. Ambient noise level monitoring is carried out by the in-house facility. TNPCB lab monitors twice a year. Overall noise levels in and around the plant area are kept well within the standards prescribed by the TNPCB by providing noise control measures on all sources of noise generation. The safety valve outlets, steam vents and blowers are fitted with silencers. The DG set (Stand by) is housed in an acoustic enclosure. For people working in high noise area, necessary personal protective equipment like earplugs etc. are provided. <b>Complied with.</b>



10.	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> ) and particulate matter from Boilers, DG sets and other processes shall conform to the standards prescribed by the concerned authorities from time to time. 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 under intimation to the Regional Officer, Tamil Nadu.	The gaseous emissions (SO <sub>2</sub> , NO <sub>x</sub> ) and particulate matter from Boilers, DG sets and other processes are monitored regularly for gaseous emissions by TNPCB and MOEF approved Laboratory and the results are being submitted regularly to TNPCB. We have totally 7 stacks. Four process stacks, two boiler stacks and one DG stacks. <b>Complied with.</b> In event of failure of any pollution control system, the unit will be immediately put out of operation and same will be communicated to TNPCB regional officer Tamil Nadu. No failure encountered so far.
11.	Regular monitoring of the air and water quality should be carried out in and around the power plant and records to be maintained. Six monthly reports shall be submitted to the SEIAA, Tamil Nadu, MOEF Regional Office, and Bangalore.	Regular monitoring of the air and water quality is being done by both internal laboratory and external (MOEF approved) laboratory. Six monthly reports are submitted to the SEIAA, Tamil Nadu, MOEF Regional Office, Chennai. Photo copy of the covering letter of the latest report is attached as <b>Annexure 15</b> <b>Complied with.</b>
12.	A separate environment and safety management cell with qualified staff shall be maintained through out the lifetime of the industry, for implementation of the stipulated environmental safeguards.	A Separate environment and safety management cell with qualified staff is available for implementation of the stipulated environmental safeguards. Every month EMP meeting is held and once in six months comprehensive Management review of Environmental performance is being done.
13.	The unit shall provide on line continuous stack monitoring for SO <sub>x</sub> , NO <sub>x</sub> , CO, SPM for the proposed 16 TPH boiler.	The unit has been provide with On line Flue gas Analyser of M/s.Kane International ltd. (U.K make) is provided for SO <sub>x</sub> , NO <sub>x</sub> & CO. On line Stack Emission analyser of M/s. Sintrol, (Finland make) is provided for SPM monitoring. <b>Complied with.</b>





14.	The unit shall provide adequate control measures for the CO emission during start up and shut down operations of the boiler.	Online CO emission monitoring facility is available. In addition, one online O2 analyser is also provided to ensure adequate Oxygen supply during start-up and shut down to control CO emission. <b>Complied with.</b>
15.	Ash generated should be disposed as per the provisions stipulated in the Fly-ash Notification of September, 1999 and as amended in August, 2003.	Ash generated is disposed as per the provisions stipulated in the Fly-ash Notification <b>Complied with.</b>
16.	For Solid – waste management, composing arrangements shall be provided for biodegradable waste at site.	Vermi compost pits are constructed for the waste arising from our canteen. <b>Complied with.</b>
17.	The Project Proponent shall implement the Environment Management Plan.	Environment management plan is available through which resource conservation activities are being carried out .Through the EMP activities the unit had drastically reduced the specific consumption of the resources. List of the same is attached as <b>Annexure 16.</b> <b>Complied with.</b>
18	The environmental Clearance is hereby accorded only for the replacement of 2 x 7 TPH boilers with 1 x 16 TPH boiler with power generation of 0.995 MW.	2 x 7 TPH boilers were decommissioned and replaced with 1 x 16 TPH boiler with power generation of 0.995 MW.

**GENERAL CONDITIONS COMPLIANCE STATUS**

S.No.	General Conditions	Compliance Status
01.	It is mandatory for the project proponent to furnish to the SEIAA. Half yearly compliance report in hard and soft copies on 1 <sup>st</sup> June and 1 <sup>st</sup> December in the prior Environmental Clearance.	Half yearly compliance report submitted to the SEIAA, Tamil Nadu. <b>Complied with.</b>
02.	In the case of any change (s) in the scope of the project, a fresh appraisal by the SEIAA shall be obtained.	No change in the scope of the project. <b>Complied with.</b>
03	The SEIAA reserves the right to add additional safeguard measures subsequently, if found necessary and to take action including revoking of the Environmental clearance under the provisions of the Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	<b>Agreed upon.</b>
04.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosive, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal	All the necessary clearances have been obtained. <b>Complied with.</b>



	Regulatory Zone Authority, other statutory and other authorities as applicable to the project shall be obtained by project proponent from the competent authorities.	
05.	<p>The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that</p> <p>i. The project has been accorded Environmental Clearance.</p> <p>ii. Copies of Clearance letters are available with the Tamil Nadu Pollution Control Board.</p> <p>iii. Environmental Clearance may also be seen on the website of the SEIAA.</p> <p>The advertisement should be issued within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the SEIAA.</p>	<p>We have advertised in two local newspapers (Dinamalar &amp; The Hindu ) which are widely circulated in the region, one of which in the vernacular language (Dinamalar) informing the public that</p> <p>i. The project has been accorded Environmental Clearance.</p> <p>ii. Copies of Clearance letters are available with the Tamil Nadu Pollution Control Board.</p> <p><b>Complied with.</b> <b>Annexure-12.</b></p>
06	All the stipulations stated under Part A and Part B above would be enforced in addition to the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Agreed upon.
07	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that Construction of the project has been started without obtaining Environmental Clearance, and for action for any violation of any condition stipulated in Part – A & Part – B of the Environmental Clearance.	Agreed upon.
08	This Environmental Clearance is valid for five years from the date of issue.	Agreed upon.

