



## Chemplast Sanmar Limited

KOC/KKL/EN/MOEF&CC/2026/MAY/563  
19 MAY 2026  
M/s. Kem One Chemplast Private Limited

*Karaikal Plant:*  
Melavanjore Village T R Pattinam Panchayat  
Nagore 611 002 India  
Tel + 91 4365 256 475/ 476  
E-mail: csl@sanmargroup.com  
www.chemplastsanmar.com  
CIN L24230TN1985PLC011637

Deputy Director General of Forests  
Ministry of Environment, Forest and Climate Change (MoEF&CC)  
Integrated Regional Office, 1st Floor, Additional Office Block for GPOA  
Shastri Bhawan, Haddows Road, Nungambakkam, Chennai - 600006, Tamilnadu

Respected Sir/Madam,

**Subject:** Submission of Half-Yearly Compliance Status Report on Environmental Clearance (EC) given by Ministry of Environment, Forest and Climate Change (MoEF&CC) -reg.

**Reference:** MoEF&CC EC/File No.: J-11011/139/2016-IA.II(I) dated 02 MAY 2017

With reference to the above-mentioned subject, please find the enclosed compliance status report to the conditions contained in the MoEF&CC's EC "Setting up of Petrochemical based Processing Plant at Survey No.: 27, Melavanjore, T.R. Pattinam, Karaikal, Puducherry U.T. by M/s. Kem One Chemplast Private Limited" for the period from OCTOBER 2025 to MARCH 2026.

We have not started the project implementation activities which are mentioned in Environmental Clearance. We will submit the detailed Compliance Status Report once the project activities (i.e. construction) are started.

Thanking you and assuring our best cooperation always,

Yours faithfully,  
For Chemplast Sanmar Limited,

  
S.Mathivanan

Senior Vice President – Operations

**Enclosures:** As mentioned above

**Copy to:**  
The Member Secretary  
Puducherry Pollution Control Committee  
3<sup>rd</sup> Floor, PHB Building, Anna Nagar  
Puducherry - 605005

Regd Office: 9 Cathedral Road Chennai 600 086 India



## COMPLIANCE STATUS

**Subject/Proposal name:**

Setting up of Petrochemical based Processing Plant at Survey No.: 27, Melavanjore, T.R. Pattinam, Karaikal, Puducherry U.T. by M/s. Kem One Chemplast Private Limited

**Reference:**

Online Proposal No.: IA/PY/IND2/53469/2016 dated 09 JAN 2017 and Environmental Clearance/File No.: J-11011/139/2016-IA.II(I) dated 02 MAY 2017

### PRESENT STATUS OF THE PROJECT

The said project, namely "Setting up of Petrochemical based Processing Plant at Survey No.: 27, Melavanjore, T.R. Pattinam, Karaikal, Puducherry U.T. by M/s. Kem One Chemplast Private Limited" is in Detailed Engineering phase and not in operation

**Conditions and Environmental Safeguards:**

#	Conditions description	Compliance status
9.0 A i	<p><u>Specific conditions:</u></p> <p>All pollution control and monitoring equipments shall be installed, tested and interlocked with the process. SPCB shall grant 'Consent to Operate' after ensuring that all the mentioned pollution control equipments, construction of storm water drain, rain water harvesting structure, Greenbelt, uploading of compliance report on the website etc have been implemented</p>	<p>Agree to comply.</p> <p>All pollution control and monitoring equipments will be installed, tested and interlocked with the process</p>
ii	<p>Process emission i.e. HCL and Chlorine shall be absorbed by water and Chlorine shall be scrubbed out by Alkaline scrubber. To control particulate matter, bag filter shall be installed at various process operation of PVC and CPVC</p>	<p>Agree to comply.</p> <p>Air Pollution Control Devices (like scrubbers, bag filters etc) will be installed at various process operations of PVC and CPVC</p>
iii	<p>The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines</p>	<p>Agree to comply.</p> <p>The gaseous emissions will be dispersed through stack of adequate height as per CPCB/Puducherry Pollution Control Committee (PPCC) guidelines</p>
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>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, VOC and CO 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 State Pollution Control Board (MPCB)</p>	<p>Agree to comply.</p> <p>-Ambient air quality data will be monitored &amp; collected as per NAAQS standards notified by the Ministry</p> <p>-Monitored Data will be displayed at the main gate of the company</p> <p>-The results of the monitored data will be uploaded in our Company website and the same will be updated by semi-annual basis</p> <p>-Data will also be sent to the Regional Office of MoEF&amp;CC, the respective Zonal office of CPCB and PPCC by semi-annual</p>



		basis
v	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	Agree to comply. Gaseous emissions from DG set will be dispersed through adequate stack as per CPCB standards. Acoustic enclosure will also be provided to the DG sets to mitigate the noise pollution
vi	Total water requirement from nearby desalination plant of M/s Chemplast Sanmar Limited shall not exceed 503 m3/day and prior permission shall be obtained from the Competent Authority. No ground water shall be used without permission	Agree to comply. Total water requirement of 503 m3/day will be met from the Desalination Plant of M/s. Chemplast Sanmar Limited, and no ground water will be used without permission
vii	Industrial wastewater shall be sent to M/s Chemplast Sanmar Limited for further treatment. Domestic wastewater shall be treated in the STP and after treatment it shall be used for gardening	Agree to comply. Industrial wastewater will be sent to M/s. Chemplast Sanmar Limited for further treatment at ETP & usage in the process. Sewage generated will be sent to STP for treatment and treated water will be used for Gardening within the premises
viii	Automatic/online monitoring system (24x7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and on the Company's website	Agree to comply. Online monitoring system for flow measurement and relevant pollutants in the treatment system will be installed. The data will be uploaded in PPCC servers and in our Company website on monthly basis
ix	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond	Agree to comply. Strom water gutters and drains will be designed in such a way, it will not mix with process effluent/any waste water and hence there is no requirement of Guard Pond
x	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps	Agree to comply. Hazardous chemicals will be stored in tanks, tank farms, drums, carboys etc. Flame arresters will be provided on tank farms. Solvent transfer will be done only by pumps
xi	The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules	Agree to comply
xii	As proposed, ETP sludge, CPVC Crusts and Fused UV lamps will be disposal at approved TSDF Site operated by Ramky at Gummidipondi, TN. Used/waste Oil will be sold to registered recycler	Agree to comply. ETP sludge, CPVC Crusts and Fused UV lamps will be disposed to approved TSDF and Used Oil will be sold to registered recycler
xiii	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous and Other Wastes (Management and Trans-boundary Movement)	Agree to comply. Authorization & prior permission from PPCC will be obtained for collection, storage and disposal of hazardous waste



	Rules, 2016 and amended as on date for management of Hazardous wastes and prior permission from MPCB shall be obtained for disposal of solid/hazardous waste in the TSDF. Measures shall be taken for fire-fighting facilities in case of emergency	under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and amended as on date for management of Hazardous wastes and prior permission from PCC will be obtained for disposal of solid/hazardous waste in the TSDF. Required fire-fighting facilities will be implemented to take care in case of emergency
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	Agree to comply with the rules/guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 and the Motor Vehicle Act (MVA), 1989 (as amended from time to time)
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	Agree to comply. Fire fighting system will be installed as per the norms
xvi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Agree to comply. Occupational health surveillance of the workers will be done on a regular basis, and records will be maintained at OHC
xvii	An Environment Cell will be set up with One Environmental Manager having post graduate qualification in environmental sciences/ Environmental engineering	Agree to comply. Dedicated Environment Cell with qualified personnel will be established
xviii	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner	Agree to comply
xix	As proposed, green belt over 7,900.0 m <sup>2</sup> shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO	Agree to comply. Adequate Green belt will be developed within the plant premises & on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species will be as per the CPCB guidelines in consultation with the DFO
B	<u>General conditions:</u>	
i	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority	Agree to comply with the stipulations made by all statutory authorities
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	Agree to comply



	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	
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	Agree to comply. The locations of ambient air quality monitoring stations will be decided in consultation with the PPCC and it will be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 <sup>th</sup> November, 2009 shall be followed	Agree to comply
v	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)	Agree to comply
vi	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	Agree to comply
vii	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	Agree to comply
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	Agree to comply
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	Agree to comply. CSR activities will be undertaken by involving local villages & administration as per the CSR procedure established by the company
x	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment	Agree to comply




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	Agree to comply. A separate Environmental Management Cell equipped with full fledge laboratory facilities will be established to carry out the Environmental management and monitoring functions
xii	The company shall earmark sufficient funds towards capital cost and recurring cost per 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	Agree to comply
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 whom suggestions/ representations, if any, were received while processing the proposal	Complied. A copy of Environmental Clearance letter was sent to T. R. Pattinam Commune Panchayat on 15 MAY 2017 via Letter No.: KOC/MoEF/2017-18/02 <i>-Copy of the letter attached as Annexure 1</i>
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 SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company	Agree to comply
xv	The environmental statement for each financial year ending 31 <sup>st</sup> 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	Agree to comply
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://moef.nic.in">http://moef.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	Complied. Information provided to the public that we have been accorded Environmental Clearance by the Ministry through advertisement in local newspapers. <i>-Copy of the newspaper publications attached as Annexure 2</i>
xvii	The project authorities shall inform the Regional	Agree to comply



	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	
10.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Noted
11.0	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions	Noted
12.0	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules	Noted

Thanking you,

Yours faithfully,  
For Chemplast Sanmar Limited,

  
S.Mathivanan,  
Senior Vice President – Operations



(11)

**KEM ONE CHEMPLAST PRIVATE LIMITED**

KOC/MoEF/2017-18/02  
15-May-2017

To

The Commissioner  
T. R. Pattinam Commune Panchayat  
T. R. Pattinam.

Sir,

Sub: Environmental Clearance for proposed CPVC Project from MoEF& CC-Reg  
Ref: Order No.F.No. J-11011/139/2016-IA.II (I) dated 02.05.2017

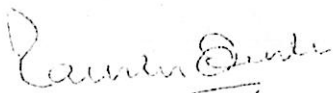
We wish to inform you that, we have obtained the Environmental Clearance from MoEF& CC for our proposed CPVC Project. As per the General Conditions of Environmental Clearance (serial no xiii), we have to submit a Copy of the Environmental Clearance to concerned Panchayat.

Please find enclosed a copy of the Environmental Clearance for the CPVC project for your ready reference

Kindly acknowledge the receipt.

Thanking and assuring our best co operation at all times.

Yours faithfully,  
for Kem One Chemplast Private Limited,

  
Ramkumar Shankar  
Director

Kem One Chemplast Private Limited,  
9, Cathedral Road, Chennai - 600 086  
Phone No.:044-28128500  
E-mail:rkst@sanmargroup.com

Regd. Office: 9 Cathedral Road, Chennai 600 086  
CIN:U24296TN2015PTC103022  
Phone :044-28128500 Fax No.044-28122627  
E-mail : mrl@sanmargroup.com

Received  
16.5.17



Dated - 14 May 2017 - In Page No 12

## PUBLIC NOTICE

The public are informed that Environmental Clearance has been accorded by Ministry of Environment, Forest and Climate Change (MoEF & CC) I.A. Division, Indira Paryavaran Bhavan, Aliganj, Jor Bagh Road, New Delhi - 110003, vide their letter number J - 11011/139/2016 - I.A.II (I) dated 02.05.17 for setting up of a CPVC plant at RS.27, Melavanjore, T.R.Pattinam, Karaikal, Puducherry - 611002 by Kem One Chemplast Private Limited.

The copy of the Environmental Clearance is available with Puducherry Pollution Control Committee and may also be seen at the website of Ministry of Environment, Forest and Climate Change at : <http://www.environmentalclearance.nic.in>

This notice is issued in accordance with the condition to be complied with by the project proponent as per the instructions of the Ministry of Environment, Forest and Climate Change, Government of India.

**Kem One Chemplast Private Limited**  
9, Cathedral Road, Chennai - 600086.

Dated - 15 May 2017 - In Page No 5

## பொது அறிவிப்பு

பேலவாஞ்சூர், திருமலை ராயன் பட்டினம் கொம்பூன் RS27ல் CPVC தொழிற்சாலை கட்டுவதற்காக கெம் ஒன் கெம்ப்ளாஸ்ட் பிரைவேட் லிமிடெட் நிறுவனத்திற்கு, சுற்றுச்சூழல், வன மற்றும் பருவநிலை மாற்றம் அமைச்சகம், I.A., பிரிவு இந்திரா பர்வாவரன் பவன், அலிகன்ஜ் ஜோர் பாக் சாலை, புது டெல்லி - 110 003 அதனது 02.05.2017 தேதியிட்ட கடிதம் எண். J-11011/139/2016-I.A-II (1) ன் படி அனுமதி அளித்துள்ளது. மேற்கண்ட கடிதத்தின் நகல்கள் புதுச்சேரி மாக கட்டுப்பாட்டு குழுமத்திடமும் மற்றும் சுற்றுச்சூழல், வன மற்றும் பருவ நிலை மாற்றம் அமைச்சகத்தின் <http://www.environmentalclearance.nic.in> என்ற இணைய தளத்திலும் உள்ளது.

இந்த பொது அறிவிப்பு சுற்று சூழல், வன மற்றும் பருவ நிலை மாற்றம் அமைச்சகத்தின் நிபந்தனையின் படி திட்டத்தை பிரேரேமிக்கிறவரால் கொடுக்கப்படுகிறது.

கெம் ஒன் கெம் ப்ளாஸ்ட் பிரைவேட் லிமிடெட்

9, கதீட்ரல் சாயல, சென்னை - 600 086



Yogendra Pal Singh  
Scientist 'D'

Government of India  
Ministry of Environment, Forest and Climate Change  
(IA Division)

Indira Paryavaran Bhawan  
Aliganj, Jor Bagh Road  
New Delhi - 110 003

F. No. J-11011/139/2016-IA.II (I)

Telefax: 91-11-24695365  
E-mail : [yogendra78@nic.in](mailto:yogendra78@nic.in)

Dated: 02<sup>nd</sup> May, 2017

To,  
The Director  
(Shri Ramkumar Shankar)  
M/s Kem One Chemplast Private Ltd.  
9, Cathedral Road  
Chennai - 600 086

Sub: **Setting up of petrochemical based processing plant at Survey No. 27, Melavanjore, T.R. Pattinam, Karaikal, Puducherry UT by M/s Kem One Chemplast Private Limited - Environmental Clearance - reg.**

Ref.: Your online proposal no. IA/PY/IND2/53469/2016; dated 9<sup>th</sup> January, 2017.

Sir,

This has reference to your online proposal no. IA/PY/IND2/53469/2016; dated 9<sup>th</sup> January, 2017 along with project documents including Form I, Terms of References, Pre-feasibility Report along with EIA/EMP Report regarding above mentioned project.

2.0 The Ministry of Environment, Forests and Climate Change has examined the application. It is noted that proposal is for Setting up of petrochemical based processing plant at Survey No. 27, Melavanjore, T.R. Pattinam, Karaikal, Puducherry UT by M/s Kem One Chemplast Private Limited. Total plot area is 24159.0 m<sup>2</sup>, out of which greenbelt will be developed on 7900.0 m<sup>2</sup> of land. Total Cost of project is ₹ 325 Crores. Proposed project will provide employment to 100 persons.

3.0 It is reported that no National Parks, Wildlife Sanctuaries, Tiger/Elephant Reserves, Wildlife Corridors etc. falls within 10 km radius from the plant site. Bay of Bengal is situated at a distance of 1.89 km in East direction, Puravadayinar River is flowing at a distance of 0.4 km in North direction, Arasalar River is flowing at a distance of 7.28 km in North distance and T R Pattinam River is flowing at a distance of 4 km in North direction from the project site.

4.0 Following products will be manufactured:

S. No.	Name of Product	Quantity (MTPA)
1	CPVC Resins	22,000
2	CPVC Compounds	27,000

*T. T. D.*

5.0 The Power requirement is 2000 KVA and will be sourced from Puducherry Electricity Department (PED). PP informed that no boiler to be installed. D.G. set of 500 KVA will be used as standby. Process emission i.e. HCL and Chlorine will be absorbed by water and Chlorine will be scrubbed out by Alkaline scrubber. To control particulate matter, bag filter will be installed at various process operation of PVC and CPVC.

Chlorine gas will be supplied through a pipeline from nearby plant of M/S. Chemplast Sanmar Limited.

Total fresh water requirement will be 503 m<sup>3</sup>/day and will be sourced from nearby desalination plant of M/S. Chemplast Sanmar Limited. Against which 201.5 m<sup>3</sup>/day, industrial wastewater will be generated and will be sent to M/S. Chemplast Sanmar Limited for further treatment. Domestic wastewater will be treated in the STP and after treatment it will be used for gardening.

ETP sludge, CPVC Crusts and Fused UV lamps will be disposal at approved TSDF Site operated by Ramky at Gummidipondi, TN. Used/waste Oil will be sold to registered recycler.

6.0 Proposed Public hearing is exempted as per para 7(i) Stage III (3)(i)(b) of EIA Notification, 2006 for preparation of EIA/EMP Report, being site is located in the Notified industrial area.

7.0 All Petrochemical based processing (processes other than cracking &) located inside the notified industrial area/estate are listed at S.N. 5(e) under category 'B' but due to applicability of general conditions as project location is near interstate boundary, hence project is treated as 'A' and appraised by Expert Appraisal Committee (I).

8.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 19<sup>th</sup> EAC meeting held during 6<sup>th</sup> - 7<sup>th</sup> February, 2017. Project Proponent and the EIA Consultant namely M/s Kadam Environmental Consultants Pvt. Ltd., have presented EIA/EMP report as per the TOR. EAC has found the EIA/EMP Report to be satisfactory and in full consonance with the presented TORs. The Committee recommended the proposal for environmental clearance.

9.0 Based on the information submitted by the project proponent, the Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006, subject to the compliance of the following Specific and General Conditions:

**A. Specific Conditions:**

- i. All pollution control and monitoring equipments shall be installed, tested and interlocked with the process. SPCB shall grant 'Consent to Operate' after ensuring that all the mentioned pollution control equipments, construction of storm water drain, rain water harvesting structure, Greenbelt, uploading of compliance report on the website etc have been implemented.
- ii. Process emission i.e. HCL and Chlorine shall be absorbed by water and Chlorine shall be scrubbed out by Alkaline scrubber. To control particulate matter, bag filter shall be installed at various process operation of PVC and CPVC.

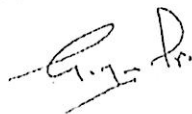


- iii. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- iv. Ambient air quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> September, 2009. The levels of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, VOC and CO 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 State Pollution Control Board (MPCB).
- v. 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.
- vi. Total water requirement from nearby desalination plant of M/s Chemplast Sanmar Limited shall not exceed 503 m<sup>3</sup>/day and prior permission shall be obtained from the Competent Authority. No ground water shall be used without permission.
- vii. Industrial wastewater shall be sent to M/s Chemplast Sanmar Limited for further treatment. Domestic wastewater shall be treated in the STP and after treatment it shall be used for gardening.
- viii. Automatic/online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and on the Company's website.
- ix. Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
- x. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. Solvent transfer shall be by pumps.
- xi. The by-products which fall under the purview of the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.
- xii. As proposed, ETP sludge, CPVC Crusts and Fused UV lamps will be disposal at approved TSDF Site operated by Ramky at Gummidipondi, TN. Used/waste Oil will be sold to registered recycler.
- xiii. The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and amended as on date for management of Hazardous wastes and prior permission from MPCB shall be obtained for disposal of solid/hazardous waste in the TSDF. Measures shall be taken for fire fighting facilities in case of emergency.
- 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.
- 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.

- xvi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xvii. An Environment Cell will be set up with One Environmental Manager having post graduate qualification in environmental sciences/ Environmental engineering.
- xviii. At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.
- xix. As proposed, green belt over 7900.0 m<sup>2</sup> shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.
- 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.
- 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.
- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 shall be followed.
- v. 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).
- vi. 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.
- vii. 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.
- 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.
- 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.
  - x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
  - 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.
  - xii. The company shall earmark sufficient funds towards capital cost and recurring cost per 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.
  - xiii. A copy of the clearance letter shall be sent by the project 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.
  - 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 SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
  - xv. The environmental statement for each financial year ending 31<sup>st</sup> 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.
  - 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://moef.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 concerned 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 start of the project.

10.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

11.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.




12.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

  
2.5.2017  
(Yogendra Pal Singh)  
Scientist 'D'

Copy to:-

1. The Chief Secretary, Department of Science, Technology & Environment, Government of Puducherry, Puducherry - 605 001.
2. The Addl. Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1<sup>st</sup> and II<sup>nd</sup> Floor, Handloom Export Promotion Council, 34 Cathedral Garden Road, Nungambakkam, Chennai - 34.
3. The Chairman, Central Pollution Control Board Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Puducherry Pollution Control Committee, Mettupalayam Road, Mothilal Nagar, Marie Oulgaret, Puducherry, 605010.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

  
2.5.2017  
(Yogendra Pal Singh)  
Scientist 'D'