

**Background of the project**

**M/s. Aypols Polymers Private Limited** is a resin manufacturing unit in the SIPCOT Industrial Growth Centre of Perundurai situated approximately 50 kms from Coimbatore City and 3 Km from the Perundurai town. The unit involves the production of all kinds of unsaturated and saturated polyester resins by blending for 1,000 TPM. They had proposed to produce the base resin within the existing facility by chemical process / reactors for the quantum of 3,000 TPM for which Environmental Clearance was obtained from the SEIAA-TN vide Letter No. SEIAA/TN/F.6506/5(f)/EC-65/2018 dated: 30.11.2018.

The project proponent has obtained Consent to Establishment (CTE) from Tamil Nadu Pollution Control Board (TNPCB) during November 2017 for the establishment of unit for production of resins by blending process. The unit came in to operation by obtaining Consent to Operate (CTO) from Tamil Nadu Pollution Control Board (TNPCB) during February 2018.

The present study is the proposed expansion of resin manufacturing unit facility and production quantity. The unit involves the expansion of plant facility by installation of reactors and boilers and increase production quantity from 1000 TPM to 3000 TPM in the land extent of 2.5 Acres at Plot No. B-12, SIPCOT Industrial Growth Centre, Perundurai.

The status of compliance on the stipulated conditions contained in the EC cited above is given below.

**Project: SEIAA-TN – Environmental Clearance - Proposed expansion of resin manufacturing unit from capacity of 1,000 TPM to 3,000 TPM at S.F. No. 185(pt) & 186(pt), Plot No. B-12, SIPCOT Industrial Growth Centre, Perundurai Village and Taluk, Erode District, Tamil Nadu under category B1 and schedule 5(f) – Synthetic organic Chemicals Industry (Dyes & Dye Intermediates; Bulk) by M/s. Aypols Polymers Private Limited.**

**EC Letter No.: SEIAA/TN/F.6506/5(f)/EC- 65/2018 dated: 30.11.2018.**

Sl. No	Conditions	Compliance
<b>A</b>	<b>Specific Conditions</b>	
i.	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 of each calendar year in respect of the conditions stipulated in the prior Environmental clearance issued.	We are submitting the Half Yearly compliance report to SEIAA in hard and soft copies on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year in respect of the conditions stipulated in the prior Environmental Clearance.
ii.	"Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy of the same shall be furnished to the SEIAA, Tamil Nadu before start of project construction activity at the site.	Consent to Establishment was obtained from the TNPCB and a copy of the same was submitted to the SEIAA-TN before start of project construction activity at the site.
iii.	The implementation of Environmental Management Plan in regard to treatment and disposal of sewage & Effluent, Solid Waste Management, Hazardous – Waste Management, and CSR Activities should be carried out, as proposed and committed. Regular monitoring should be carried out during operation phases.	We have installed the ETP for the treatment of effluent, agreement was executed between TNPCB for disposal of hazardous waste. Thus, Environmental Management Plan in regard to treatment and disposal of sewage & effluent, solid waste management, hazardous waste management are implemented. CSR activities will be carried out as proposed and committed. Regular monitoring is being carried out during operation phases.
iv.	The residue collected from the evaporator shall be documented by maintaining proper register and it should be made available at the time of inspection.	The residue collected from the evaporator is being documented by maintaining proper register and it will be made available at the time of inspection.

Sl. No	Conditions	Compliance
v.	Adequate dust extraction system such as Ducting with dust extracting arrangement wherever required shall be established to achieve Occupational-health standards and ambient air quality standards.	Adequate dust extraction system such as cyclone separator was installed in the coal handling area to achieve Occupational health standards and ambient air quality standards.
vi.	The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.	Daily cleaning of floor space in the raw material and product storage area is being carried out. Best housekeeping practices are carried out in the unit premises.
vii.	Nature of chemicals Handled, the Do's and Don'ts shall be displayed at all vital locations as laid down in MSDS.	We have provided the nature of chemicals, the Do's and Don'ts of all chemicals handled in the display boards within the project site.
viii.	The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated.	The hazardous waste handed over to the TSDF are noted down and the manifest is being maintained which match with the quantity generated.
ix.	The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.	The hazardous and non-hazardous solid wastes are stored at designated storage areas within the project site.
x.	The proponent shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers.	Hazardous waste generated within the project site is being disposed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from DG sets are stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers.
xi.	The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.	Plastic wastes are segregated and disposed as per the provisions of plastic Waste (Management & Handling) Rules 2016.
xii.	The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2016 as amended.	The E-Wastes are collected and stored in a common area. The same is being disposed to a nearby authorized waste centre as per E-Waste Management & Handling), Rules 2016 as amended.
xiii.	The Municipal solid waste shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.	The municipal solid waste generated from the project site are managed and disposed as per Solid Waste Management Rules, 2016.
xiv.	The industry shall conduct air sampling	We are conducting the air sampling once

Sl. No	Conditions	Compliance
	at least once in six months for the general core parameters (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>x</sub> , NO <sub>x</sub> ) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.	in three months for general core parameters (PM, Sox, Nox) through NABL Accredited Laboratory and maintaining the records of the same and it is made available at the time of inspection.
xv.	Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.	We are carrying out regular monitoring for air, water and noise quality in and around the project site as mentioned in the EMP report and the records of the same are maintained properly.
xvi.	A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.	A separate environment and safety management cell with qualified staff (plant engineer and safety engineer) was created before expansion activity and the same will be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.
xvii.	The Green belt area already developed within the project area shall be properly maintained at any time the Green belt area should not be less than 33%.	We have provided 33% of the total land area for greenbelt development and adequate width of greenbelt are maintained along the plant periphery.
xviii.	The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programme.	We have planted trees in the common area of SIPCOT and maintaining the same to neutralize their carbon foot print.
xix.	The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.	We are ensuring the effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.
xx.	The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under Environment Protection Act 1986.	We are conducting ambient air quality through NABL accredited laboratory as stipulated under Environmental Protection Act 1986.
xxi.	Risk cum disaster management plan should be in place in the industry premises at all time.	Risk cum disaster management plan are in place in the industry premises at all time.
xxii.	Water conservation scheme including rain water harvesting measures to augment ground water resources shall be implemented so as to collect and	Water conservation scheme is implemented in the operation to reduce water consumption. Adequate rainwater harvesting measures are provided to

Sl. No	Conditions	Compliance
	reuse the entire rainwater harvested as a supplement to fresh water.	augment ground water and for collection and reuse.
xxiii.	The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provided considering the Catchment area and maximum intensity of rainfall to collect runoff water/rain water for proper disposal to avoid flooding around the premises.	The natural drainage pattern in the project area are being maintained and storm water drain along the boundary and appropriate places are provided considering the catchment area and maximum intensity of rainfall to collect runoff water/rain water for proper disposal to avoid flooding around the premises.
xxiv.	The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/ Honb'le High Court of Madras.	Noted and agreed.
xxv.	The proponent shall comply the CER activity as per the MoEF & CC O.M dated 01.05.2018 before applying for CTO of TNPCB.	We have complied the CER activity as per the MoEF & CC O.M dated 01.05.2018 before applying for CTO of TNPCB.
xxvi.	All the assurances given in EIA and EMP shall be adhered to strictly.	We ensure to strictly adhere to the assurances given in EIA and EMP.
xxvii.	Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.	Detailed study was carried out by engaging independent expert for Risk management and detailed Disaster management plan was prepared for compliance.
xxviii.	Sufficient funds should be provided for Disaster management.	We have provided sufficient funds for disaster management.
xxix.	The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.	The hazardous waste storage area is properly ventilated with racked type roofing for free air circulation.
xxx.	The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.	We agree to conduct internal environmental audit every year and third-party environmental audit for every 3 years.
xxxi.	The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned	We have prepared a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.

Sl. No	Conditions	Compliance
	experts.	
xxxii.	As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.	The plant is being operated with man power of 18 nos. and we have made the agreement with the nearby hospital facility as part of occupational health surveillance (OHS) for ensuring the health standard of persons employed.
xxxiii.	The proponent shall operate the APC measures efficient and continuously so as to achieve the standards prescribed by CPCB.	We are continuously operating the APC measures efficiently and the parameters are within the standards prescribed by CPCB.
xxxiv.	The proponent shall operate the ETP efficient and continuously. The treated effluent of 9KLD shall be utilized for gardening after achieve the quality of treated effluent standards prescribe the CPCB.	We are continuously operating the ETP efficiently and the treated effluent of 9KLD is being utilized for gardening after achieving the quality of treated effluent standards prescribed by CPCB.
xxxv.	The EMP cost of Rs.55.92 lakhs shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.	The EMP cost of Rs. 55.92 Lakhs was deposited in a nationalized bank by opening separate account and the head wise expenses statement will be submitted to TNPCB with a copy to SEIAA annually.
xxxvi.	There should be no threat to Bio diversity due to the operation of the industry.	The industrial operation is not causing any impact to the biodiversity of the surrounding area.
xxxvii.	The flora & fauna present in and around the project site should be get affected due to the activity as reported.	No impact is caused to the flora & fauna surrounding the project site.
xxxviii.	The Project Proponent has to provide rain water harvesting collection tank to the capacity of 25cu.m in order to recover and reuse the rain water during normal rains.	We have provided a rain water harvesting collection tank to the capacity of 25cu.m in order to recover and reuse the rain water during normal rains.
xxxix.	For rain water harvesting, the roof top rainwater should be harvested and stored in a sump for reuse after proper treatment. The design should be made as per the CPWD manual. The runoff from the paved surfaces within the industry buildings should be carefully collected and sent to ETP.	The roof top rainwater is harvested by providing the sump for storage and reuse. The runoff from the paved surfaces within the industry buildings are carefully collected by providing peripheral drains which has its outfall into the external storm water drain.

Sl. No	Conditions	Compliance										
xl.	The operation of the activity should not impact on the soil, micro flora & Fauna present in and around the project site.	The industrial operation is not causing any impact to the soil, micro flora & Fauna present in and around the project site.										
xli.	The project proponent shall carry out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones should be present.	We have carried out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones are prepared.										
xlii.	Green belt for 33% of the plot area should be developed and maintained with indigenous species of trees listed below:	We have developed greenbelt for about 33% of the plot area and maintained with indigenous species of trees listed below. <table><tr><td>Pongamia glabra</td><td>Pungan</td></tr><tr><td>Thespesia populnea</td><td>Poovarasu</td></tr><tr><td>Syzygium cumini</td><td>Naval</td></tr><tr><td>Madhuca longifolia</td><td>Ilippai</td></tr><tr><td>Mimusops elengi</td><td>Magilam</td></tr></table>	Pongamia glabra	Pungan	Thespesia populnea	Poovarasu	Syzygium cumini	Naval	Madhuca longifolia	Ilippai	Mimusops elengi	Magilam
	Pongamia glabra		Pungan									
	Thespesia populnea		Poovarasu									
	Syzygium cumini		Naval									
	Madhuca longifolia		Ilippai									
	Mimusops elengi		Magilam									
	Pongamia glabra		Pungan									
	Thespesia populnea		Poovarasu									
	Ficus religiosa		Arasu									
	Azadirachta indica		Vembu									
	Terminalia arjuna		Neermarudhu									
Michelia champaka	Chenbagam											
Syzygium cumini	Naval											
Madhuca longifolia	Ilippai											
Mimusops elengi	Magilam											
xlili.	For CER, 2% of the profit should be utilised every year for infrastructure such as buildings, water supply, toilets, sports facilities, for govt. Schools in the nearby locality.	We are utilizing 2% of the profit fund for CER activities every year for infrastructure such as buildings, water supply, toilets, sports facilities, for Government Schools in the nearby locality.										
xliv.	The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes, etc.	Proper housekeeping is maintained within the project site in all locations.										
xlvi.	The project proponent has to strictly comply with the commitment made in the EIA report.	We are strictly complying with all the commitments made in the EIA report.										
xlvi.	The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.	We are monitoring the VOC in regular intervals and maintaining the VOC levels within permissible limits.										

Sl. No	Conditions	Compliance
xlvi.	The project proponent has to install VOC monitoring sensor in the processing area and bi-annual report of VOC monitoring shall be submitted to TNPCB.	We have installed VOC monitoring sensors in the processing area and the bi-annual report of VOC monitoring is being submitted to TNPCB regularly.
<b>B</b>	<b>General Conditions</b>	
i.	This Environmental Clearance shall not be cited to relax any other rules applicable to this project.	Noted and agreed the same.
ii.	The Project Proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the Environmental Clearance informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with TNPCB.	We have published the details of Environmental Clearance in Dhina Thanthi (Tamil) on 19.12.2018 & The New Indian Express (English) on 19.12.2018.
iii.	A copy of the Environmental Clearance shall be sent by the project proponent to concerned local body and local NGO, if any from whom suggestions /representatives, if any were received while processing the proposal.	We have sent a copy of our Environmental Clearance to the local body.
iv.	The Environmental Clearance shall also be put on the website of the company.	We have uploaded the copy of EC in website.
v.	No expansion or modernization in the project shall be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	No expansion or modernization in the project will be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted for clearance, a fresh reference will be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
vi.	All the environmental protection measures and safeguards as recommended in the EIA report shall be complied with.	We are complying with all the environmental protection measures and safeguards as recommended in the EIA report.
vii.	The implementation of the project vis-a-vis environmental action plans shall be monitored by the Regional office of	We are submitting the six- monthly compliance report regularly to the Regional Office of MoEF & CC at



Sl. No	Conditions	Compliance
	MoEF& CC at Chennai, TNPCB and CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies regularly.	Chennai, TNPCB and CPCB.
viii.	Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional office of MoEF&CC, GOI, at Chennai, TNPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO <sub>2</sub> and NO <sub>x</sub> outside the premises at the appropriate place for the general public.	Data on ambient air, stack and fugitive emissions are being regularly submitted online to the Regional office of MoEF&CC, GOI, at Chennai, TNPCB and Central Pollution Control Board as well as hard copy once in six months and data is displayed on RSPM, SO <sub>2</sub> Nox outside the premises at the appropriate place for the general public.
ix.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	The occupational health surveillance is provided to the workers regularly and the records of the same is maintained as per the Factory Act.
x.	Proper house-keeping and cleanliness must be maintained within and outside the plant.	We maintain proper house-keeping within and outside the plant.
xi.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee should be maintained separately.	Occupational health surveillance program is being undertaken regularly for all the employees. Adequate first aid facilities are provided in appropriate places including Occupational Health Centre. The medical records of each employee are maintained.
xii.	The overall noise levels in and around the plant area shall be kept well within the standards prescribed for by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic measures are provided at all sources of noise generation to maintain the noise level within the permissible limits by providing acoustic hoods, silencers, enclosures, etc. The ambient noise levels conform to the standards prescribed under EPA Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).
xiii.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of a Senior Executive.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions was established under the control of a Senior Executive.

Sl. No	Conditions	Compliance
xiv.	The CSR funds 2% of the profit should be utilised every year for infrastructure such as buildings, water supply, toilets, sports facilities, for govt. Schools in the nearby locality.	The CSR funds 2% of the profit will be utilized every year for infrastructure such as buildings, water supply, toilets, sports facilities, for Government Schools in the nearby locality.
xv.	The requisite amount earmarked towards capital cost and recurring cost/annum for implementing pollution control measures shall be used judiciously to implement the Environmental Management Plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purposes.	The amount earmarked towards capital cost and recurring cost / annum for implementing pollution control measures is used exclusively for implementation of Environment Management plan as furnished in the EIA report. The funds so provided are not diverted for any other purposes.
xvi.	The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF&CC, GOI at Chennai, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	We have uploaded the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on our website and updating the same to the Regional Office of the MOEF&CC, GOI at Chennai, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects are monitored and displayed at a convenient location near the main gate of the company in the public domain.
xvii.	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent 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 conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.	The Environmental Statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated is submitted by us to the Tamil Nadu State Pollution Control Board as prescribed under the Environmental Protection Rules, 1986, as amended subsequently and also be put on the website of the company along with the status of compliance of environmental conditions and also be sent to the respective Regional Offices of the MoEF&CC by e-mail.
xviii.	Environmental Clearance is being issued without prejudice to the action	Noted and there is no court case against our Environmental Clearance.

Sl. No	Conditions	Compliance
	initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.	
xix.	The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted and agreed to comply.
xx.	The SEIAA/SEAC or any Competent Authority may suitably add any further condition(s) on receiving reports from the project authority. The above condition shall be monitored by the Regional Office of MoEF located at Chennai.	Noted and agreed to comply.
xxi.	The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory.	Noted and agreed to comply.
xxii.	The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification ,2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.	We ensure that all details submitted for obtaining Environmental Clearance is true and no false information is provided.
xxiii.	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	We are complying with all the conditions imposed in our Environmental Clearance.
xxiv.	The SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions.	Noted and agreed to comply.
xxv.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the	Noted and agreed to comply.

<b>Sl. No</b>	<b>Conditions</b>	<b>Compliance</b>
	Public Liability Insurance Act, 1991, along with their amendments, draft Minor Mineral Conservation & Development Rules ,2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules ,2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.	
xxvi.	Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010,	Noted and agreed the same.

**CONSENT ORDER NO. 1906219462573**
**DATED: 19/03/2019.**

**PROCEEDINGS NO.T1/TNPCB/F.0959PND/OS/PND/A/2019**
**DATED: 19/03/2019**

**SUB:** TNPC Board-Consent for Establishment FOR EXPANSION- I AYPOLS POLYMERS PRIVATE LTD , S.F. No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre, PERUNDURAI Village, Perundurai Taluk, Erode District- for the establishment or take steps to establish the industry for Expansion under Section 21 of the Air(Prevention and control of Pollution)Act,1981, as amended in 1987 (Central Act, 14 of 1981)-Issued- Reg.

**REF:** 1. Proceedings No.: F.0959PND / OS / DEE / TNPCB / PND / W&A / 2018, Dated: 08.02.2018  
 2. IR. No.: F.0959PND / OS / AE / PND / 2019, dated: 20.02.2019  
 3. Minutes of the 255th CCC meeting of Agenda Item No.: 255 – 11, dated: 11.03.2019

Consent to establish or take steps to establish for Expansion is hereby granted under Section 21 of the Air (Prevention and control of Pollution) Act,1981, as amended in 1987 and the Rules and Orders made there under to

The Director,  
 M/s . AYPOLS POLYMERS PRIVATE LTD

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F No.185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre,  
 PERUNDURAI Village,  
 Perundurai Taluk,  
 Erode District.

This Consent to establish for Expansion is valid upto **March 31, 2025** , or till the industry obtains consent to operate under Section 21 of the Air (Prevention and control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

**R. RAJAMANICKAM**

**For Member Secretary,**  
**Tamil Nadu Pollution Control Board,**  
**Chennai**

Digitally signed by R. RAJAMANICKAM  
 DN: c=IN, o=TAMILNADU POLLUTION CONTROL BOARD,  
 ou=ENGINEERING DEPARTMENT, postalCode=600032, st=Tamil Nadu,  
 2.5.4.20=8c94d29cf1ce970d8f0ad5b57316abb23b211fdbf6ea37c7ec0  
 d32ae03d6cc11, cn=R. RAJAMANICKAM  
 Date: 2019.03.20 05:11:22 -0700

To  
 The Director,  
 M/s.AYPOLS POLYMERS PRIVATE LTD,  
 B-12, SIPCOT Industrial Growth Centre, Perundurai,  
 Pin: 638052

**Copy to:**

- 1.The Executive Officer, PERUNDURAI-Town Panchayat, Perundurai Taluk, Erode District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, PERUNDURAI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Salem.
4. File

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## SPECIAL CONDITIONS

1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	ALL KINDS OF UNSATURATED AND SATURATED POLYESTER RESINS BY CHEMICAL PROCESS/REACTORS AND BLENDING	3000	T/Month

2. This consent to establish for Expansion is valid for establishing the facility with the below mentioned emission/noise sources along with the control measures and/or stack .Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

<b>I</b>	<b>Point source emission with stack :</b>			
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr
1	D G set 250 KVA Capacity	Stack	6	
2	THERMIC FLUID HEATER 25L KCAL/HR	Cyclone Separator with Stack	30	6000
<b>II</b>	<b>Fugitive/Noise emission :</b>			
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	DG Set (250 KVA)	Noise	Acoustic enclosures	

### 3 Additional Conditions:

1. The unit shall provide the air pollution control measures such as Cyclone Separator with stack for the Thermic fluid Heater and stack with acoustic enclosures for the DG Set as proposed.
2. The unit shall adhere to the ambient noise level standards prescribed by the Board.
3. The unit shall ensure that there is no process emission from its manufacturing process.
4. The unit shall provide Bio-filters to the blending vessels in order to control the odour emission.
5. The unit shall not commission the proposed expansion activity without obtaining Consent to Operate of the Board for the said activity.
6. The unit shall comply with the provisions of the Environmental Clearance obtained for the proposed activity, from the State Level Environment Impact Assessment Authority vide its Letter No. SEIAA / TN / F.6506 / 5 (f) / EC – 65 / 2018, dated 30.11.2018.
7. The unit's activity shall not attract any complaint from the nearby public.
8. The unit shall provide and develop green belt along its periphery and at vacant spaces where there is possibility by planting native species.
9. The Unit shall develop green belt in 25% of the total area as per TNPCB norms by planting native species of trees and shall furnish the details of the exact green belt area earmarked for tree plantation and number of trees planted along with longitude and latitude etc.
10. The unit shall not use " use and throwaway plastics" such plastic sheets used for food wrapping, spreading on dining table etc, plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead the unit shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.

R.  
RAJAMANICKAM

Digitally signed by R. RAJAMANICKAM  
DN: c=IN, o=TAMILNADU POLLUTION CONTROL BOARD,  
ou=ENGINEERING DEPARTMENT, postalCode=600032,  
st=Tamil Nadu,  
2.5.4.20=8c94d29cf1ce970d8f0ad5b57316abb23b211fd  
bf6ea37c7ec0d32ae03d6cc11, cn=R. RAJAMANICKAM  
Date: 2019.03.20 05:11:51 -07'00'

For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai

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3

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## GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

R.

RAJAMANICKAM

Digitally signed by R. RAJAMANICKAM  
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ou=ENGINEERING DEPARTMENT, postalCode=600032,  
st=Tamil Nadu,  
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Date: 2019.03.20 05:12:35 -07'00'

**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**



**CONSENT ORDER NO. 1906119462573                      DATED: 19/03/2019.**

**PROCEEDINGS NO.T1/TNPCB/F.0959PND/OS/PND/W/2019      DATED: 19/03/2019**

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**SUB:** TNPC Board-Consent for Establishment FOR EXPANSION- I AYPOLS POLYMERS PRIVATE LTD , S.F. No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre, PERUNDURAI Village, Perundurai Taluk, Erode District- for the establishment or take steps to establish the industry for Expansion under Section 25 of the Water(Prevention and control of Pollution)Act,1974 , as amended in 1988 (Central Act 6 of 1974) –Issued- Reg.

**REF:** 1. Proceedings No.: F.0959PND / OS / DEE / TNPCB / PND / W&A / 2018, Dated: 08.02.2018  
 2. IR. No.: F.0959PND / OS / AE / PND / 2019, dated: 20.02.2019  
 3. Minutes of the 255th CCC meeting of Agenda Item No.: 255 – 11, dated: 11.03.2019

Consent to establish or take steps to establish for Expansion is hereby granted under Section 25 of the Water (Prevention and control of Pollution) Act,1974, as amended in 1988(Central Act 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The Director,  
 M/s. AYPOLS POLYMERS PRIVATE LTD

Authorizing occupier to establish or take steps to establish the industry in the site mentioned below:

S.F. No.185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre,  
 PERUNDURAI Village,  
 Perundurai Taluk,  
 Erode District.

This Consent to establish for Expansion is valid upto **March 31, 2025**, or till the industry obtains consent to operate under Section 25 of the Water (Prevention and control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

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 ou=ENGINEERING DEPARTMENT, postalCode=600032, st=Tamil Nadu,  
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 Date: 2019.03.20 05:13:24 -07'00'

R. RAJAMANICKAM  
  
 For Member Secretary,  
 Tamil Nadu Pollution Control Board,  
 Chennai

To  
 The Director,  
 M/s.AYPOLS POLYMERS PRIVATE LTD,  
 B-12, SIPCOT Industrial Growth Centre, Perundurai,  
 Pin: 638052

**Copy to:**  
 1.The Executive Officer, PERUNDURAI-Town Panchayat, Perundurai Taluk, Erode District .  
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, PERUNDURAI.  
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Salem.  
 4. File  
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SPECIAL CONDITIONS

1. This consent to establish for Expansion is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	ALL KINDS OF UNSATURATED AND SATURATED POLYESTER RESINS BY CHEMICAL PROCESS/REACTORS AND BLENDING	3000	T/Month

2. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below.

<b>a</b>		<b>Sewage Treatment Plant:</b>	
Treatment status: Septic Tank and SP/DT			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Septic Tank	1	6.0 x 3.0 x 6.0
2.	Soak pit	1	2.0 m Dia x 1.5 m
<b>b</b>		<b>Effluent Treatment Plant:</b>	
Treatment status: Individual ETP			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.	Collection Tank	1	3 x 3 x 1.5
2.	Neutralisation Tank	1	10 KLD Capacity
3.	Evaporator	1	10 KLD Capacity
4.	Evaporator with Condenser	1	10 KLD Capacity
5.	Concentrated liquid Glycol storage tank	1	2.5 KLD Capacity
6.	Condensed Water Storage Tank	1	10 KLD Capacity
Treatment status: No trade effluent and hence does not arise			
SL. No.	Name of the Treatment Unit	No. of Units	Dimensions in metres
1.			

3. This consent to establish for Expansion is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
<b>Effluent Type : Sewage</b>			
1.	Sewage	2.0	On Industrys own land
<b>Effluent Type : Trade Effluent</b>			
1.	TRADE EFFLUENT 1(RECYCLED WATER)	9.0	On land for gardening
2.	TRADE EFFLUENT 2(GLYCOL RECOVERED)	1.0	Recycling to process

4. **Additional Conditions:**

1. The unit shall dispose sewage through the septic tank and soak pit arrangement.
2. The unit shall provide ETP containing components such as Collection Tank, Neutralisation Tank, Evaporator, Condensor, Concentrated Liquid Glycol Storage Tank and Condensed Water Storage Tank with a capacity to handle 10 KLD of generated trade effluent as proposed.
3. The unit shall dispose the non hazardous solid wastes then and there without accumulating the same within the premises.
4. The unit shall apply for authorisation under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 for the hazardous wastes generated and shall comply with the provisions of the said Rules.
5. The unit shall not commission the proposed expansion activity without obtaining Consent to Operate of the Board for the said activity.
6. The unit shall obtain and furnish the necessary permission / License from the Directorate of Industrial Safety and Health, Tamil Nadu Fire and Rescue Service Department and from other competent Authority.
7. The unit shall comply with the provisions of the Environmental Clearance obtained for the proposed activity, from the State Level Environment Impact Assessment Authority vide its Letter No. SEIAA / TN / F.6506 / 5 (f) / EC – 65 / 2018, dated 30.11.2018.
8. The unit's activity shall not attract any complaint from the nearby public.
9. The unit shall provide and develop green belt along its periphery and at vacant spaces where there is possibility by planting native species.
10. The Unit shall develop green belt in 25% of the total area as per TNPCB norms by planting native species of trees and shall furnish the details of the exact green belt area earmarked for tree plantation and number of trees planted along with longitude and latitude etc.
11. The unit shall not use " use and throwaway plastics" such plastic sheets used for food wrapping, spreading on dining table etc, plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness within the industry premises. Instead the unit shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.


Digitally signed by R. RAJAMANICKAM  
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ou=ENGINEERING DEPARTMENT, postalCode=600032, st=Tamil Nadu,  
2.5.4.20=8c94d29cf1ce970d8f0ad5b57316abb23b211fdbf6ea37c7ec0  
d32ae03d6cc11, cn=R. RAJAMANICKAM  
Date: 2019.03.20 05:13:58 -0700

**R. RAJAMANICKAM**  
**For Member Secretary,**  
**Tamil Nadu Pollution Control Board,**  
**Chennai**

## GENERAL CONDITIONS

1. This consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate at least thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish.
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises.
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

**R. RAJAMANICKAM**

Digitally signed by R. RAJAMANICKAM  
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ou=ENGINEERING DEPARTMENT, postalCode=600032, st=Tamil Nadu,  
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Date: 2019.03.20 05:14:20 +07'00'

**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**

**CONSENT ORDER NO. 1907223996183                      DATED: 02/07/2019.**

**PROCEEDINGS NO.T1/TNPCB/F.0959PND/OS//PND/A/2019    DATED: 02/07/2019**

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**SUB:** Tamil Nadu Pollution Control Board –CONSENT TO OPERATE FOR EXPANSION-I -M/s. AYPOLS POLYMERS PRIVATE LTD , S.F.No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre, PERUNDURAI villagePerundurai Taluk and Erode District - Consent for operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg.

**REF:** 1. Proceedings No.: T1 / TNPCB / F.0959PND / OS / PND / W&A / 2019, dated: 19.03.2019  
 2. IR. No.: F.0959PND / OS / AE / PND / 2019, dated: 10.05.2019  
 3. Board’s (Consent Clearance Committee) Resolution Item No.: 258 – 16, dated: 21.06.2019

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director,  
 M/s . AYPOLS POLYMERS PRIVATE LTD  
 S.F No.185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre,  
 PERUNDURAI Village,  
 Perundurai Taluk,  
 Erode District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending March 31, 2023

R. Rajamanickam
 

Digitally signed by R. Rajamanickam  
 Date: 2019.07.02 14:10:46 -07'00'

 For Member Secretary,  
 Tamil Nadu Pollution Control Board,  
 Chennai

To  
 The Director,  
 M/s.AYPOLS POLYMERS PRIVATE LTD,  
 B-12, SIPCOT Industrial Growth Centre, Perundurai,  
 Pin: 638052

**Copy to:**
 1.The Executive Officer, PERUNDURAI-Town Panchayat, Perundurai Taluk, Erode District .  
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, PERUNDURAI.  
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Salem.  
 4. File

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## SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
<b>Product Details</b>			
1.	ALL KINDS OF UNSATURATED AND SATURATED POLYESTER RESINS BY CHEMICAL PROCESS /REACTORS AND BLENDING	3000	T/MONTH

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

<b>I</b>	<b>Point source emission with stack :</b>			
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr
1	DG Set 250 KVA Capacity	Acoustic enclosures with stack	6	
2	THERMIC FLUID HEATER 25L KCAL/HR	Cyclone Separator with Stack	30	
<b>II</b>	<b>Fugitive/Noise emission :</b>			
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	DG Set (250 KVA)	Noise	Acoustic enclosures	

- 3(a). The emission shall not contain constituents in excess of the tolerance limits as laid down hereunder :

Sl. No.	Parameter	Unit	Tolerance limits	(1) (2) (3) (4) (5) (6)
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- 3.(b) The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed below.

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
1.	Sulphur Dioxide (SO <sub>2</sub> )	Annual 24 hours	microgram/m <sup>3</sup> microgram/m <sup>3</sup>	50 80	20 80
2.	Nitrogen Dioxide (NO <sub>2</sub> )	Annual 24 hours	microgram/m <sup>3</sup> microgram/m <sup>3</sup>	40 80	30 80
3.	Particulate Matter (Size Less than 10 micro M) or PM <sub>10</sub>	Annual 24 hours	microgram/m <sup>3</sup> microgram/m <sup>3</sup>	60 100	60 100
4.	Particulate Matter (Size Less than 2.5 micro M ) or PM <sub>2.5</sub>	Annual 24 hours	microgram/m <sup>3</sup> microgram/m <sup>3</sup>	40 60	40 60
5.	Ozone (O <sub>3</sub> )	Annual 24 hours	8 Hours 1 Hour	100 180	100 180

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	Industrial, Residential, Rural and other area
					Ecologically Sensitive Area (notified by Central Govt.)
6.	Lead (Pb)	Annual 24 hours	microgram/m3 microgram/m3	0.5 1.0	0.5 1.0
7.	Carbon Monoxide (CO)	8 Hours 1 Hour	miligram/m3 miligram/m3	02 04	02 04
8.	Ammonia (NH3)	Annual 24 hours	microgram/m3 microgram/m3	100 400	100 400
9.	Benzene (C6H6)	Annual	microgram/m3	5	5
10.	Benzo(O) Pyrene (BaP) -particulate phase only	Annual	nanogram/m3	01	01
11.	Arsenic (As)	Annual	nanogram/m3	06	06
12.	Nickel (Ni)	Annual	nanogram/m3	20	20

3(c) The Ambient Noise Level in the industrial plant area shall not exceed the limits prescribed below:

Limits in L.eq.-dB(A)	Day Time	Night Time
IndustrialArea	75	70

- All units of the Air pollution control measures shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl. No.3 above.
- The occupier shall not change or alter quality or quantity or the rate of emission or replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in change in quality and/or quantity of emissions without the previous written permission of the Board.
- The occupier shall maintain log book regarding the stack monitoring system or operation of the plant or any other particulars for each of the unit operations of air pollution control systems to reflect the working condition which shall be furnished for verification of the Board officials during inspection.
- The occupier shall at his own cost get the samples of emission/air/noise levels collected and analyzed by the TNPC Board Laboratory once in every 6 months/once in a year/periodically for the parameters as prescribed.
- Any upset condition in any of the plants of the factory which is likely to result in increased emissions and result in violation of the standards mentioned in Sl.No.3 shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
- The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.

**Additional Conditions:**



1. The unit shall operate and maintain the air pollution control measures efficiently and continuously so as to achieve the Ambient Air Quality / Emission standards prescribed by the Board.
2. The unit shall adhere to the Ambient Noise Level standards prescribed by the Board.
3. The unit shall ensure that there is no process emission from its manufacturing process.
4. The unit shall maintain the Bio-filters provided to the blending vessels in order to control the odour.
5. The unit shall comply with the conditions stipulated in the Environmental Clearance dated 30.11.2018 obtained from the State Level Environment Impact Assessment Authority for the proposed activity.
6. The unit shall provide and develop green belt along its periphery and at vacant spaces where there is possibility by planting native species.
7. The Unit shall develop green belt in 25% of the total area as per TNPCB norms by planting native species of trees and shall furnish the details of the exact green belt area earmarked for tree plantation and number of trees planted along with longitude and latitude etc.
8. The unit shall not use "use and throwaway plastics" such plastic sheets used for food wrapping, spreading on dining table etc, plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead, the unit shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.
9. The unit's activity shall not attract any public complaints.

R. Rajamanickam


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Rajamanickam  
Date: 2019.07.02 14:11:43 -07'00'

**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**

## **GENERAL CONDITIONS**

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in production quantity and emission.
2. This Consent is given by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished, in the application will also be ground for review/variation/revocation of the Consent Order under Section 21 of the Act.
3. The conditions imposed shall continue in force until revoked under Section 21 of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Air (Prevention and Control of Pollution) Act, 1981 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Air Pollution Control measures sufficient to ensure continuous operation of all pollution control equipments to ensure compliance.
7. The occupier shall provide all facilities to the Board officials for collection of samples in and around the factory at any time.
8. The applicant shall display the flow diagram of the sources of emission and pollution control systems provided at the site.
9. The liquid effluent arising out of the operation of the air pollution control equipment shall also be treated in a manner and to the satisfaction of standards prescribed by the Board in accordance with the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended.
10. The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.
11. In case of any episodal discharge of emission, the industry shall take immediate action to bring down the emission within the limits prescribed by the Board.
12. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
13. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
14. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.
15. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
16. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
17. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Air (Prevention and Control of Pollution) Act, 1981, as amended in Form-I alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
18. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.

19. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

R. Rajamanickam  Digitally signed by R.  
Rajamanickam  
Date: 2019.07.02 14:12:25 -07'00'

**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**

**CONSENT ORDER NO. 1907123996183                      DATED: 02/07/2019.**

**PROCEEDINGS NO.T1/TNPCB/F.0959PND/OS/PND/W/2019    DATED: 02/07/2019**

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**SUB:** Tamil Nadu Pollution Control Board –CONSENT TO OPERATE FOR EXPANSION-I -M/s. AYPOLS POLYMERS PRIVATE LTD , S.F.No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre, PERUNDURAI villagePerundurai Taluk and Erode District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg.

**REF:** 1. Proceedings No.: T1 / TNPCB / F.0959PND / OS / PND / W&A / 2019, dated: 19.03.2019  
 2. IR. No.: F.0959PND / OS / AE / PND / 2019, dated: 10.05.2019  
 3. Board’s (Consent Clearance Committee) Resolution Item No.: 258 – 16, dated: 21.06.2019

CONSENT TO OPERATE FOR EXPANSION is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director,  
 M/s . AYPOLS POLYMERS PRIVATE LTD  
 S.F No.185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre,  
 PERUNDURAI Village,  
 Perundurai Taluk,  
 Erode District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending March 31, 2023

Digitally signed by R. Rajamanickam  
 Date: 2019.07.02 14:14:27 -07'00'

R. Rajamanickam  
 For Member Secretary,  
 Tamil Nadu Pollution Control Board,  
 Chennai

To  
 The Director,  
 M/s.AYPOLS POLYMERS PRIVATE LTD,  
 B-12, SIPCOT Industrial Growth Centre, Perundurai,  
 Pin: 638052

**Copy to:**

- 1.The Executive Officer, PERUNDURAI-Town Panchayat, Perundurai Taluk, Erode District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, PERUNDURAI.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Salem.
4. File

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SPECIAL CONDITIONS

1. This consent to operate for Expansion is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	ALL KINDS OF UNSATURATED AND SATURATED POLYESTER RESINS BY CHEMICAL PROCESS /REACTORS AND BLENDING	3000	T/MONTH

2. This consent to operate for Expansion is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	Sewage	2.0	On Industrys own land
Effluent Type : Trade Effluent			
1.	TRADE EFFLUENT 1(RECYCLED WATER)	9.0	On land for gardening
2.	TRADE EFFLUENT 2(GLYCOL RECOVERED)	1.0	Recycling to process

3. The effluent discharge shall not contain constituents in excess of the tolerance Limits as laid down hereunder.

Sl. No.	Parameters	Unit	TOLERANCE LIMITS - OUTLETS -Nos				
			Sewage		Trade Effluent		
			1		1	2	
1.	pH		5.5 to 9		5.5 to 9	5.5 to 9	
2.	Temperature	oC	-		shall not exceed 5°C above the receiving water temperature	shall not exceed 5°C above the receiving water temperature	
3.	Particle size of Suspended solids	-	-		shall pass 850 micron IS sieve	shall pass 850 micron IS sieve	
4.	Total Suspended Solids	mg/l	30		100	100	
5.	Total Dissolved solids (inorganic)	mg/l	-		2100	2100	
6.	Oil & Grease	mg/l	-		10	10	
7.	Biochemical Oxygen Demand (3 days at 27oC)	mg/l	20		30	30	
8.	Chemical Oxygen Demand	mg/l	-		250	250	
9.	Chloride (as Cl)	mg/l	-		1000	1000	
10.	Sulphates (as SO4)	mg/l	-		1000	1000	
11.	Total Residual Chlorine	mg/l	-		1	1	
12.	Ammonical Nitrogen (as N)	mg/l	-		50	50	
13.	Total Kjeldahl Nitrogen (as N)	mg/l	-		100	100	
14.	Free Ammonia (as NH3)	mg/l	-		5	5	
15.	Arsenic (as As)	mg/l	-		0.2	0.2	
16.	Mercury (as Hg)	mg/l	-		0.01	0.01	
17.	Lead (as Pb)	mg/l	-		0.1	0.1	
18.	Cadmium(as Cd)	mg/l	-		2	2	
19.	Hexavalent Chromium (as Cr+6)	mg/l	-		0.1`	0.1`	
20.	Total Chromium (as Cr)	mg/l	-		2	2	
21.	Copper (as Cu)	mg/l	-		3	3	
22.	Zinc (as Zn)	mg/l	-		1	1	
23.	Selenium (as Se)	mg/l	-		0.05	0.05	
24.	Nickel (as Ni)	mg/l	-		3	3	
25.	Boron (as B)	mg/l	-		2	2	
26.	Percent Sodium	%	-		-	-	
27.	Residual Sodium Carbonate	mg/l	-		-	-	
28.	Cyanide (as CN)	mg/l	-		0.2	0.2	
29.	Fluoride (as F)	mg/l	-		2	2	
30.	Dissolved Phosphates(as P)	mg/l	-		5	5	
31.	Sulphide (as S)	mg/l	-		2	2	
32.	Pesticides	mg/l	-				
33.	Phenolic Compounds (as C6H5OH)	mg/l	-		1	1	
34.	Radioactive materials a) Alpha emitters	micro curie/ml	-		10-7	10-7	

35.	Radioactive materials b). Beta emitters	micro curie/ml	-		10-6	10-6	
36.	Fecal Coliform	MPN/100ml	-		-	-	

4. All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl No.3 above or to achieve the zero liquid discharge of effluent as applicable.
5. The occupier shall maintain the Electro Magnetic Flow Meters/water Meters installed at the inlet of the water supply connection for each of the purposes mentioned below for assessing the quantity of water used and ensuring that such meters are easily accessible for inspection and maintenance and for other purposes of the Act.
  - a. Industrial Cooling, Spraying in mine pits or boiler feed.
  - b. Domestic purpose.
  - c. Process.
6. The occupier shall maintain the Electro Magnetic Flow Meters with computer recording arrangement for measuring the quantity of effluent generated and treated for the monitoring purposes of the Act.
7. Log book for each of the unit operations of ETP have to be maintained to reflect the working condition of ETP along with the readings of the Electro Magnetic Flow Meters installed to assess effluent quantity and the same shall be furnished for verification of the Board officials during inspection.
8. The occupier shall at his own cost get the samples of effluent/surface water/ground water collected in and around the unit by Board officials and analyzed by the TNPC Board Laboratory periodically.
9. Any upset condition in any of the plants of the factory which is, likely to result in increased effluent discharge and result in violation of the standards mentioned in Sl. No.3 above shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
10. The occupier shall always comply and carryout the order/directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order/directions issued.
11. The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.
12. The occupier shall provide and maintain rain water harvesting facilities.
13. The occupier shall ensure that there shall not be any discharge of effluent either treated or untreated into storm water drain at any point of time.
14. In the case of zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.
  - i). The occupier shall ensure zero liquid discharge of effluent, thereby no discharge of untreated / treated effluent on land or into any water bodies either inside or outside the premises at any point of time.
  - ii) The occupier shall operate and maintain the Zero liquid discharge treatment components comprising of Primary, Secondary and tertiary treatment systems at all times and ensure that the RO permeate/Evaporator condensate shall be recycled in the process and the final RO reject shall be disposed off with the reject management system ensuring zero liquid discharge of effluents in the premises.
  - iii) The occupier shall operate and maintain the reject management system effectively and recover the salt from the system which shall be reused in the process if reusable or shall be disposed off as ETP sludge.
  - iv) In case of failure to achieve zero discharge of effluents for any reason, the occupier shall stop its production and operations forthwith and shall be reported to the Member Secretary/Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.
  - v) The occupier shall restart the production only after ascertaining that the Zero discharge treatment system can perform effectively for achieving zero discharge of effluents.

**Additional Conditions:**



1. The unit shall dispose sewage through the septic tank and soak pit arrangement.
2. The unit shall operate and maintain the Effluent Treatment Plant efficiently and continuously so as to achieve the standards prescribed by the Board.
3. The unit shall reuse the Glycol recovered from the ETP back into the process and shall utilise the recycled water for gardening on industry's land.
4. The unit shall dispose the non hazardous solid wastes then and there without accumulating the same within the premises.
5. The unit shall obtain authorisation under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 and shall comply with the conditions stipulated in the authorisation.
6. The unit shall comply with the conditions stipulated in the Environmental Clearance dated 30.11.2018 obtained from the State Level Environment Impact Assessment Authority for the proposed activity.
7. The unit shall provide and develop green belt along its periphery and at vacant spaces where there is possibility by planting native species.
8. The Unit shall develop green belt in 25% of the total area as per TNPCB norms by planting native species of trees and shall furnish the details of the exact green belt area earmarked for tree plantation and number of trees planted along with longitude and latitude etc.
9. The unit shall not use "use and throwaway plastics" such plastic sheets used for food wrapping, spreading on dining table etc, plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead, the unit shall encourage use of eco-friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.
10. The unit's activity shall not attract any public complaints.

R. Rajamanickam  Digitally signed by R.  
Rajamanickam  
Date: 2019.07.02 14:15:16 -07'00'

**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**

## GENERAL CONDITIONS

1. The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and change in sewage/Trade effluent.
2. This Consent is issued by the Board in consideration of the particulars given in the application. Any change or alteration or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation/revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.
3. The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.
4. After the issue of this order, all the 'Consent to Operate' orders issued previously under Water (Prevention and Control of Pollution) Act, 1974 as amended stands defunct.
5. The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the unit at the time of inspection for adherence.
6. The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Effluent Treatment Plant sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.
7. The occupier shall provide all facilities to the Board officials for inspection and collection of samples in and around the factory at any time.
8. The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.
9. The solid waste such as sweepings, wastage, package, empty containers, residues, sludge including that from air pollution control equipments collected within the premises of the industrial plant shall be collected in an earmarked area and shall be disposed off properly.
10. The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.
11. The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
12. The occupier shall maintain good house-keeping within the factory premises.
13. All pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the trade effluent collection system only and shall not be allowed to find their way in storm drains or open areas.
14. The occupier shall ensure that there shall not be any diversion or by-pass of trade effluent on land or into any water sources.
15. The occupier shall ensure that solar Evaporation pans shall be constructed in such a way that the bottom of the solar pan is at least 1 m above the Ground level (if applicable).
16. The occupier shall furnish the following returns in the prescribed formats to the concerned District office regularly.
  - a) Monthly water consumption returns of each of the purposes with water meter readings in Form-I on or before 5th of every month.
  - b) Yearly return on Hazardous wastes generated and accumulated for the period from 1st April to 31st March in Form-4 before the end of the subsequent 30th June of every year (if applicable).
  - c) Yearly Environmental Statement for the period from 1st April to 31st March in Form -V before the end of the subsequent 30th September of every year(if applicable).
17. If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures/plants and properties while handling and storage of hazardous substances.
18. The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.
19. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.

20. The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as a result of such discharge, water or air is being polluted.
21. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.
22. In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Water (Prevention and Control of Pollution) Act, 1974, as amended in Form-II alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
23. In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the change of name from the Board.
24. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

R. Rajamanickam

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Rajamanickam  
Date: 2019.07.02 14:16:03 -07'00'

**For Member Secretary,  
Tamil Nadu Pollution Control Board,  
Chennai**

**RENEWAL OF CONSENT ORDER NO:2309251417140**

**DATE:22/03/2023**



**PROCEEDINGS NO.F.0959PND/OL/DEE/TNPCB/PND/A/2023 DATED: 22/03/2023**

<b>Sub :</b>	Tamil Nadu Pollution Control Board – AUTO RENEWAL OF CONSENT –M/s. AYPOLS POLYMERS PRIVATE LTD , S.F. No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre, PERUNDURAI village, Perundurai Taluk and ErodeDistrict- Renewal of Consent for operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) – Issued – Reg.
<b>Ref :</b>	1. CTO Proc. No. F.0959PND/OS/DEE/TNPCB/PND/A/2018, dt. 08.02.2018 2. CTO (Exp) Proc. No. T1/TNPCB/F.0959PND/OS/PND/A/2019, dt. 02.07.2019 3. Unit's Application for Auto Renewal of Consent through OCMMS vide Application No. 51417140, dt. 16-03-2023.

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Renewal of Consent is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director,  
M/s . AYPOLS POLYMERS PRIVATE LTD  
S.F No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre,  
PERUNDURAI Village,  
Perundurai Taluk,  
Erode District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

**This RENEWAL OF CONSENT is valid for the period ending - March 31, 2027**

UDHAYAKUMAR  
GOVINDASAMY  
District Environmental Engineer,  
Tamil Nadu Pollution Control Board,  
PERUNDURAI

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UDHAYAKUMAR GOVINDASAMY  
Date: 2023.03.23 18:08:28 +05'30'

## SPECIAL CONDITIONS

1. This renewal of consent is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl.No.	Description	Quantity	Unit
<b>Product Details :-</b>			
1.	ALL KINDS OF UNSATURATED AND SATURATED POLYESTER RESINS BY CHEMICAL PROCESS /REACTORS AND BLENDING	3000	T/MONTH
<b>By-Product Details :-</b>			
<b>Intermediate Product Details :-</b>			

2. This renewal of consent is valid for operating the facility with the below mentioned emission/noise sources along with the control measures and/or stack. Any change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained

I	Point source emission with stack :			
Stack No	Point Emission sources	Air pollution Control measures provided	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr
1	DG Set 250 KVA Capacity	Acoustic enclosures with stack	6	
2	THERMIC FLUID HEATER 25L KCAL/HR	Cyclone Separator with Stack	30	
II	Fugitive/Noise emission :			
Sl.No.	Fugitive or Noise Emission sources	Type of Emission	Control measures provided	Quantity
1.	DG Set (250 KVA)	Noise	Acoustic enclosures	

### Special Additional Conditions-

- i. The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No.

TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.

- ii. The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

### Additional Conditions-

- 1) The unit shall operate and maintain the air pollution control measures efficiently and continuously so as to achieve the Ambient Air Quality / Emission standards prescribed by the Board.
- 2) The unit shall adhere to the Ambient Noise Level standards prescribed by the Board.
- 3) The unit shall ensure that there is no process emission from its manufacturing process.
- 4) The unit shall maintain the Bio-filters provided to the blending vessels in order to control the odour.
- 5) The unit shall comply with the conditions stipulated in the Environmental Clearance dated 30.11.2018 obtained from the State Level Environment Impact Assessment Authority for the proposed activity.
- 6) The unit shall provide and develop green belt along its periphery and at vacant spaces where there is possibility by planting native species.
- 7) The Unit shall develop green belt in 25% of the total area as per TNPCB norms by planting native species of trees and shall furnish the details of the exact green belt area earmarked for tree plantation and number of trees planted along with longitude and latitude etc.
- 8) The unit shall not use "use and throwaway plastics" such plastic sheets used for food wrapping, spreading on dining table etc, plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead, the unit shall

encourage use of eco-friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.

UDHAYAKUMAR  
GOVINDASAMY

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UDHAYAKUMAR GOVINDASAMY  
Date: 2023.03.23 18:11:25 +05'30'

District Environmental Engineer,  
Tamil Nadu Pollution Control Board,  
PERUNDURAI

**To**  
The Director,  
M/s.AYPOLS POLYMERS PRIVATE LTD,  
211-212, Ravindranath Layout, Venkatasamy Road, New Sidhapudhur, Coimbatore,  
Pin: 641044

**Copy to:**  
1.The Executive Officer, PERUNDURAI-Town Panchayat, Perundurai Taluk, Erode District .  
2. Copy submitted to the Member Secretary, Tamil Nadu Pollution Control Board, Chennai for favour of kind information.  
3. Copy submitted to the JCEE-Monitoring, Tamil Nadu Pollution Control Board, Salem for favour of kind information.  
4. File  
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RENEWAL OF CONSENT ORDER NO:2309151417140  
DATE:22/03/2023



PROCEEDINGS NO.F.0959PND/OL/DEE/TNPCB/PND/W/2023 DATED:  
22/03/2023

Sub :	Tamil Nadu Pollution Control Board – AUTO RENEWAL OF CONSENT – M/s. AYPOLS POLYMERS PRIVATE LTD S.F No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre, PERUNDURAI Village, Perundurai Taluk, Erode District- Renewal of Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg.
Ref :	1. CTO Proc. No. F.0959PND/OS/DEE/TNPCB/PND/W/2018, dt. 08.02.2018 2. CTO (Exp) Proc. No. T1/TNPCB/F.0959PND/OS/PND/W/2019, dt. 02.07.2019 3. Unit’s Application for Auto Renewal of Consent through OCMMS vide Application No. 51417140, dt. 16-03-2023.

\*\*\*\*\*

Renewal Of Consent is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as “The Act”) and the rules and orders made there under to

The Director,  
M/s . AYPOLS POLYMERS PRIVATE LTD  
S.F No. 185pt and 186pt, Plot No. B12, SIPCOT Industrial Growth Centre,  
PERUNDURAI Village,  
Perundurai Taluk,  
Erode District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

**This RENEWAL OF CONSENT is valid for the period ending - March 31, 2027**

UDHAYAKUMAR  
GOVINDASAMY  
District Environmental Engineer,  
Tamil Nadu Pollution Control Board,  
PERUNDURAI

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UDHAYAKUMAR GOVINDASAMY  
Date: 2023.03.23 18:12:05 +05'30'

**SPECIAL CONDITIONS**

1. This renewal of consent is valid for operating the facility for the manufacture of products (Col. 2) at the rate (Col. 3) mentioned below. Any change in the products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl.No.	Description	Quantity	Unit
a.	<b>Product Details :-</b>		
1.	ALL KINDS OF UNSATURATED AND SATURATED POLYESTER RESINS BY CHEMICAL PROCESS /REACTORS AND BLENDING	3000	T/MONTH
b.	<b>By-Product Details :-</b>		
c.	<b>Intermediate Product Details :-</b>		

- 2 This renewal of consent is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage/trade effluent. Any change in the outlets and the quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
<b>EFFLUENT TYPE :-</b>	<b>Effluent Type : Sewage</b>		
1.	Sewage	2.0	On Industrys own land
<b>EFFLUENT TYPE :-</b>	<b>Effluent Type : Trade Effluent</b>		
<b>OUTLET NUMBER</b>	<b>DESCRIPTION OF OUTLET</b>	<b>MAXIMUM DAILY DISCHARGE (IN KLD)</b>	<b>POINT OF DISPOSAL</b>
1.	TRADE EFFLUENT 1(RECYCLED WATER)	9.0	On land for gardening
2.	TRADE EFFLUENT 2(GLYCOL RECOVERED)	1.0	Recycling to process

**Special Additional Conditions-**

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

**Additional Conditions-**

- 1) The unit shall dispose sewage through the septic tank and soak pit arrangement.
- 2) The unit shall operate and maintain the Effluent Treatment Plant efficiently and continuously so as to achieve the standards prescribed by the Board.
- 3) The unit shall reuse the Glycol recovered from the ETP back into the process and shall utilise the recycled water for gardening on industry’s land.
- 4) The unit shall dispose the non hazardous solid wastes then and there without accumulating the same within the premises.
- 5) The unit shall obtain authorisation under Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016 and shall comply with the conditions stipulated in the Authorisation.
- 6) The unit shall comply with the conditions stipulated in the Environmental Clearance dated 30.11.2018 obtained from the State Level Environment Impact Assessment Authority for the proposed activity.
- 7) The unit shall not use "use and throwaway plastics" such plastic sheets used for food wrapping, spreading on dining table etc, plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead, the unit shall encourage use of eco-friendly alternative such as banana leaf, arecanut palm plate, stainless steel, glass, porcelain plates / cups, cloth bag, jute bag etc.



**To**  
The Director,  
M/s.AYPOLS POLYMERS PRIVATE LTD,  
211-212, Ravindranath Layout, Venkatasamy Road, New Sidhapudhur, Coimbatore,  
Pin: 641044

**Copy to:**  
1.The Executive Officer, PERUNDURAI-Town Panchayat, Perundurai Taluk, Erode District .  
2. Copy submitted to the Member Secretary, Tamil Nadu Pollution Control Board, Chennai for favour of kind information.  
3. Copy submitted to the JCEE-Monitoring, Tamil Nadu Pollution Control Board, Salem for favour of kind information.  
4. File  
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This is computer generated, Signature is not required.



# Enviro Solutions & Labs

A5, Cheran Nagar, Off. Mettupalayam Road,  
Kavundampalayam, GN Mills (Post), Coimbatore - 641 029. Tamilnadu.

✉ : info@envislab.com 🌐 : www.envislab.com ☎ : 0422 4200600



## TEST REPORT

Issued To :

Page: 1/1

**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No. : ESL/2406/AAQ/7607**

**Report Date : 03.06.2024**

**Sample Code : ESL2405514-515**

### SAMPLE DETAILS

Nature of Sample	Air Quality	Sample Description	Ambient Air
Sample Collected By	Enviro Solutions & Labs	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	03.06.2024

S. No	Parameters	Results			Test Method	NAAQ Standards
		AAQ - 1	AAQ - 2	AAQ - 3		
1	Particulate Matter size less than 10- $\mu\text{m}$ ( $\text{PM}_{10}$ ), $\mu\text{g}/\text{m}^3$	56.1	54.5	59.4	IS 5182(P-23) :2006(RA:2017)	100
2	Particulate Matter size less than 2.5- $\mu\text{m}$ ( $\text{PM}_{2.5}$ ), $\mu\text{g}/\text{m}^3$	23.8	22.7	25.7	ESL/SOP/001	60
3	Sulphur Dioxide ( $\text{SO}_2$ ), $\mu\text{g}/\text{m}^3$	6.9	6.2	8.2	IS 5182 (P-2) :2006(RA:2017)	80
4	Nitrogen Dioxide ( $\text{NO}_2$ ), $\mu\text{g}/\text{m}^3$	20.6	18.8	17.9	IS 5182 (P-6) :2006(RA:2017)	80
5	Carbon Monoxide ( $\text{CO}$ ), $\text{mg}/\text{m}^3$	BQL (LOQ:1)	BQL (LOQ:1)	BQL (LOQ:1)	ESL/SOP/017	2
6	Ozone, $\mu\text{g}/\text{m}^3$	BQL (LOQ:5)	BQL (LOQ:5)	BQL (LOQ:5)	IS 5182 (P- 9) :1974(RA:2019)	180
7	Ammonia, $\mu\text{g}/\text{m}^3$	BQL (LOQ:5)	BQL (LOQ:5)	BQL (LOQ:5)	ESL/SOP/002	400
8	Lead (Pb), $\mu\text{g}/\text{m}^3$	BQL (LOQ:0.025)	BQL (LOQ:0.025)	BQL (LOQ:0.025)	IS 5182 (P-22) :2004(RA:2019)	1
9	Benzene, $\mu\text{g}/\text{m}^3$	BQL (LOQ:0.5)	BQL (LOQ:0.5)	BQL (LOQ:0.5)	IS 5182 (P-11) :2006(RA:2017)	5
10	Benzo(a)pyrene, $\text{ng}/\text{m}^3$	BQL (LOQ:0.5)	BQL (LOQ:0.5)	BQL (LOQ:0.5)	IS 5182 (P-12) :2004(RA:2019)	1
11	Arsenic, $\text{ng}/\text{m}^3$	BQL (LOQ:1)	BQL (LOQ:1)	BQL (LOQ:1)	ESL/SOP/021	6
12	Nickel, $\text{ng}/\text{m}^3$	BQL (LOQ:2.5)	BQL (LOQ:2.5)	BQL (LOQ:2.5)	USEPA IO - 3.2	20

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009.

**AAQ1: South East Side of The Plant**

**AAQ2: South West Side of The Plant**

**AAQ3: North West Side of The Plant**

**\*\*End of Report\*\***



Authorised Signatory

I. Ram Ganesan  
3/6/24  
Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/IAQ/7609  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405517

### SAMPLE DETAILS

Nature of Sample	Indoor Air Quality	Sample Description	Indoor Air
Sample Collected By	Enviro Solutions & Labs	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	03.06.2024

S.No	Parameters	Results	Test Method	Limits*
		IAQ 1		
1	Particulate Matter size less than 10- $\mu\text{m}$ ( $\text{PM}_{10}$ ), $\mu\text{g}/\text{m}^3$	119	IS 5182 (P-23):2006(RA:2017)	10000
2	Particulate Matter size less than 2.5- $\mu\text{m}$ ( $\text{PM}_{2.5}$ ), $\mu\text{g}/\text{m}^3$	46	IS: 5182 (P-24) :2019	5000
3	Sulphur Dioxide ( $\text{SO}_2$ ), $\mu\text{g}/\text{m}^3$	6.7	IS 5182 (P-2):2006(RA:2017)	13088
4	Nitrogen Dioxide ( $\text{NO}_2$ ), $\mu\text{g}/\text{m}^3$	20.4	IS 5182 (P-6):2006(RA:2017)	9407
5	Carbon Monoxide (CO), ppm	BQL (LOQ:1.0)	ESL/SOP/20:2024	50

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification

\* Standards as prescribed by U.S. Occupational Safety and Health Administration (OSHA) / # American Council of Governmental Industrial Hygienists (ACGIH) for Indoor Air Contaminants.

**IAQ1: Production Plant**

\*\*\*End of Report\*\*\*



Authorised Signatory  
*I. Ram Ganesan*  
I. Ram Ganesan  
Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/IAQ/7610  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405518

### SAMPLE DETAILS

Nature of Sample	Indoor Air Quality	Sample Description	Indoor Air
Sample Collected By	Enviro Solutions & Labs	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	03.06.2024

S.No	Parameters	Results	Test Method	Limits*
		IAQ 1		
1	Total Volatile Organic Compound (TVOC)	2.1	ESL/SOP/032:2024	--

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification

**IAQ1: Production Plant**

\*\*\*End of Report\*\*\*



Authorised Signatory  
*I. Ram Ganesan*  
I. Ram Ganesan  
Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

Report No. : **ESL/2406/SM/7611**  
Report Date : **03.06.2024**  
Sample Code : **ESL2405519**

### SAMPLE DETAILS

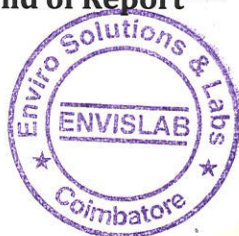
Nature of Sample	Source Emission Monitoring	Sample Description	Stack monitoring
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	Method : IS 11255 Part 1	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	04.06.2024

S. No	STACK DETAILS	Thermic Fluid Heater (Boiler) 10L Kcal/Hr
1	Stack height (m)	30
2	Stack Diameter (m)	0.75
3	Cross Sectional Area (m <sup>2</sup> )	0.441
4	Velocity of Flue Gas (m/sec)	10.6
5	Gas Discharge (Nm <sup>3</sup> /hr)	11144
6	Stack gas temperature (K)	441
7	Ambient Gas Temp (K)	304

S. No	Stack Attached To	RESULTS				
		Particulate Matter (mg/Nm <sup>3</sup> )	Oxides of Nitrogen (mg/Nm <sup>3</sup> )	Carbon Monoxide (mg/Nm <sup>3</sup> )	Sulphur Dioxide (mg/Nm <sup>3</sup> )	CO <sub>2</sub> (%)
1	Thermic Fluid Heater (Boiler) 10L Kcal/Hr	79.3	63	43	194	2.4
Standards		150	---	---	---	---

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



Authorised Signatory  
*I. Ram Ganesan*  
3/6/24  
I. Ram Ganesan  
Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/SM/7612  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405520

### SAMPLE DETAILS

Nature of Sample	Source Emission Monitoring	Sample Description	Stack monitoring
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	Method : IS 11255 Part 1	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	04.06.2024

S. No.	STACK DETAILS	DG Set 250 KVA
1	Stack height (m)	2.2
2	Stack Diameter (m)	0.3
3	Cross Sectional Area (m <sup>2</sup> )	0.0706
4	Velocity of Flue Gas (m/sec)	12.3
5	Gas Discharge (Nm <sup>3</sup> /hr)	2565
6	Stack gas temperature (K)	356
7	Ambient Gas Temp (K)	304

S. No	Stack Attached To	RESULTS				
		Particulate Matter (g/kw-hr)	Oxides of Nitrogen (g/kw-hr)	Carbon Monoxide (g/kw-hr)	Sulphur Dioxide (mg/Nm <sup>3</sup> )	Carbon Dioxide (%)
1	DG Set 250 KVA	0.113	0.97	1.14	6.1	2.0
Standards		≤0.20	≤4.0	≤3.5	---	---

\*As per Environmental Protection Act, the principle rules published regarding the Emission standard for diesel generator set up to 800KW (Power Category from 75 KW to 800 KW) in the Gazette of India vide number S.O 844(E) dated \_ No November 1986 and subsequent amendment rule vide GSR 771(E) dated 11th December 2013.

\*\*\*End of Report\*\*\*



Authorised Signatory  
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I. Ram Ganesan  
Technical Manager

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

Report No. : **ESL/2406/N/7613**  
Report Date : **03.06.2024**  
Sample Code : **ESL2405521**

### SAMPLE DETAILS

Nature of Sample	Noise Level	Sample Description	Ambient Noise
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sample Collected On	27.05.2024	Sample Received On	27.05.2024

S. No.	Location	Noise Level [dB(A)]	
Ambient Noise Level*		Day	Night
1	North East corner of the plant	61.6	50.9
2	North West corner of the plant	65.9	52.0
3	South East corner of the plant	67.4	48.1
4	South West corner of the plant	64.3	47.8
	<b>Standard</b>	<b>75</b>	<b>70</b>
Source Noise Level#			
5	Compressor Room	79.4	
6	DG	74.6	
7	Boiler	68.9	
8	Reactor 2nd Floor	72.3	
9	Blender 1st Floor	72.5	
10	Bed Loading Area	71.4	
	<b>Standard</b>	<b>90</b>	

\*\*\*End of Report\*\*\*



Authorised Signatory

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I. Ram Ganesan  
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**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No. : ESL/2406/AAQ/7607**

**Report Date : 03.06.2024**

**Sample Code : ESL2405514-515**

### SAMPLE DETAILS

Nature of Sample	Air Quality	Sample Description	Ambient Air
Sample Collected By	Enviro Solutions & Labs	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	03.06.2024

S. No	Parameters	Results			Test Method	NAAQ Standards
		AAQ - 1	AAQ - 2	AAQ - 3		
1	Particulate Matter size less than 10- $\mu\text{m}$ ( $\text{PM}_{10}$ ), $\mu\text{g}/\text{m}^3$	56.1	54.5	59.4	IS 5182(P-23):2006(RA:2017)	100
2	Particulate Matter size less than 2.5- $\mu\text{m}$ ( $\text{PM}_{2.5}$ ), $\mu\text{g}/\text{m}^3$	23.8	22.7	25.7	ESL/SOP/001	60
3	Sulphur Dioxide ( $\text{SO}_2$ ), $\mu\text{g}/\text{m}^3$	6.9	6.2	8.2	IS 5182 (P-2):2006(RA:2017)	80
4	Nitrogen Dioxide ( $\text{NO}_2$ ), $\mu\text{g}/\text{m}^3$	20.6	18.8	17.9	IS 5182 (P-6):2006(RA:2017)	80
5	Carbon Monoxide ( $\text{CO}$ ), $\text{mg}/\text{m}^3$	BQL (LOQ:1)	BQL (LOQ:1)	BQL (LOQ:1)	ESL/SOP/017	2
6	Ozone, $\mu\text{g}/\text{m}^3$	BQL (LOQ:5)	BQL (LOQ:5)	BQL (LOQ:5)	IS 5182 (P- 9):1974(RA:2019)	180
7	Ammonia, $\mu\text{g}/\text{m}^3$	BQL (LOQ:5)	BQL (LOQ:5)	BQL (LOQ:5)	ESL/SOP/002	400
8	Lead (Pb), $\mu\text{g}/\text{m}^3$	BQL (LOQ:0.025)	BQL (LOQ:0.025)	BQL (LOQ:0.025)	IS 5182 (P-22):2004(RA:2019)	1
9	Benzene, $\mu\text{g}/\text{m}^3$	BQL (LOQ:0.5)	BQL (LOQ:0.5)	BQL (LOQ:0.5)	IS 5182 (P-11):2006(RA:2017)	5
10	Benzo(a)pyrene, $\text{ng}/\text{m}^3$	BQL (LOQ:0.5)	BQL (LOQ:0.5)	BQL (LOQ:0.5)	IS 5182 (P-12):2004(RA:2019)	1
11	Arsenic, $\text{ng}/\text{m}^3$	BQL (LOQ:1)	BQL (LOQ:1)	BQL (LOQ:1)	ESL/SOP/021	6
12	Nickel, $\text{ng}/\text{m}^3$	BQL (LOQ:2.5)	BQL (LOQ:2.5)	BQL (LOQ:2.5)	USEPA IO - 3.2	20

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009.

**AAQ1: South East Side of The Plant**

**AAQ2: South West Side of The Plant**

**AAQ3: North West Side of The Plant**

**\*\*End of Report\*\***



Authorised Signatory

I. Ram Ganesan  
3/6/24  
Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/IAQ/7609  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405517

### SAMPLE DETAILS

Nature of Sample	Indoor Air Quality	Sample Description	Indoor Air
Sample Collected By	Enviro Solutions & Labs	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	03.06.2024

S.No	Parameters	Results	Test Method	Limits*
		IAQ 1		
1	Particulate Matter size less than 10- $\mu\text{m}$ ( $\text{PM}_{10}$ ), $\mu\text{g}/\text{m}^3$	119	IS 5182 (P-23):2006(RA:2017)	10000
2	Particulate Matter size less than 2.5- $\mu\text{m}$ ( $\text{PM}_{2.5}$ ), $\mu\text{g}/\text{m}^3$	46	IS: 5182 (P-24) :2019	5000
3	Sulphur Dioxide ( $\text{SO}_2$ ), $\mu\text{g}/\text{m}^3$	6.7	IS 5182 (P-2):2006(RA:2017)	13088
4	Nitrogen Dioxide ( $\text{NO}_2$ ), $\mu\text{g}/\text{m}^3$	20.4	IS 5182 (P-6):2006(RA:2017)	9407
5	Carbon Monoxide (CO), ppm	BQL (LOQ:1.0)	ESL/SOP/20:2024	50

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification

\* Standards as prescribed by U.S. Occupational Safety and Health Administration (OSHA) / # American Council of Governmental Industrial Hygienists (ACGIH) for Indoor Air Contaminants.

**IAQ1: Production Plant**

\*\*\*End of Report\*\*\*



Authorised Signatory  
*I. Ram Ganesan*  
I. Ram Ganesan  
Technical Manager

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/IAQ/7610  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405518

### SAMPLE DETAILS

Nature of Sample	Indoor Air Quality	Sample Description	Indoor Air
Sample Collected By	Enviro Solutions & Labs	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	03.06.2024

S.No	Parameters	Results	Test Method	Limits*
		IAQ 1		
1	Total Volatile Organic Compound (TVOC)	2.1	ESL/SOP/032:2024	--

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification

**IAQ1: Production Plant**

\*\*\*End of Report\*\*\*



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I. Ram Ganesan  
Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

Report No. : **ESL/2406/SM/7611**  
Report Date : **03.06.2024**  
Sample Code : **ESL2405519**

### SAMPLE DETAILS

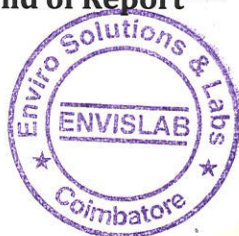
Nature of Sample	Source Emission Monitoring	Sample Description	Stack monitoring
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	Method : IS 11255 Part 1	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Commenced On	27.05.2024	Analysis Completed On	04.06.2024

S. No	STACK DETAILS	Thermic Fluid Heater (Boiler) 10L Kcal/Hr
1	Stack height (m)	30
2	Stack Diameter (m)	0.75
3	Cross Sectional Area (m <sup>2</sup> )	0.441
4	Velocity of Flue Gas (m/sec)	10.6
5	Gas Discharge (Nm <sup>3</sup> /hr)	11144
6	Stack gas temperature (K)	441
7	Ambient Gas Temp (K)	304

S. No	Stack Attached To	RESULTS				
		Particulate Matter (mg/Nm <sup>3</sup> )	Oxides of Nitrogen (mg/Nm <sup>3</sup> )	Carbon Monoxide (mg/Nm <sup>3</sup> )	Sulphur Dioxide (mg/Nm <sup>3</sup> )	CO <sub>2</sub> (%)
1	Thermic Fluid Heater (Boiler) 10L Kcal/Hr	79.3	63	43	194	2.4
Standards		150	---	---	---	---

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



Authorised Signatory  
*I. Ram Ganesan*  
3/6/24  
I. Ram Ganesan  
Technical Manager

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## TEST REPORT

### Issued To

**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/SM/7612  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405520

SAMPLE DETAILS			
Nature of Sample	Source Emission Monitoring	Sample Description	Stack monitoring
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	Method : IS 11255 Part 1	Sample Location	As Mentioned Below
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	04.06.2024

S. No.	STACK DETAILS	DG Set 250 KVA
1	Stack height (m)	2.2
2	Stack Diameter (m)	0.3
3	Cross Sectional Area (m <sup>2</sup> )	0.0706
4	Velocity of Flue Gas (m/sec)	12.3
5	Gas Discharge (Nm <sup>3</sup> /hr)	2565
6	Stack gas temperature (K)	356
7	Ambient Gas Temp (K)	304

S. No	Stack Attached To	RESULTS				
		Particulate Matter (g/kw-hr)	Oxides of Nitrogen (g/kw-hr)	Carbon Monoxide (g/kw-hr)	Sulphur Dioxide (mg/Nm <sup>3</sup> )	Carbon Dioxide (%)
1	DG Set 250 KVA	0.113	0.97	1.14	6.1	2.0
Standards		≤0.20	≤4.0	≤3.5	---	---

\*As per Environmental Protection Act, the principle rules published regarding the Emission standard for diesel generator set up to 800KW (Power Category from 75 KW to 800 KW) in the Gazette of India vide number S.O 844(E) dated \_ No November 1986 and subsequent amendment rule vide GSR 771(E) dated 11th December 2013.

\*\*\*End of Report\*\*\*



Authorised Signatory  
*I. Ram Ganesan*  
3/6/24  
I. Ram Ganesan  
Technical Manager

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# Enviro Solutions & Labs

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Kavundampalayam, GN Mills (Post), Coimbatore - 641 029. Tamilnadu.

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## TEST REPORT

Issued To :

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

Report No. : **ESL/2406/N/7613**  
Report Date : **03.06.2024**  
Sample Code : **ESL2405521**

### SAMPLE DETAILS

Nature of Sample	Noise Level	Sample Description	Ambient Noise
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sample Collected On	27.05.2024	Sample Received On	27.05.2024

S. No.	Location	Noise Level [dB(A)]	
Ambient Noise Level*		Day	Night
1	North East corner of the plant	61.6	50.9
2	North West corner of the plant	65.9	52.0
3	South East corner of the plant	67.4	48.1
4	South West corner of the plant	64.3	47.8
	<b>Standard</b>	<b>75</b>	<b>70</b>
Source Noise Level#			
5	Compressor Room	79.4	
6	DG	74.6	
7	Boiler	68.9	
8	Reactor 2nd Floor	72.3	
9	Blender 1st Floor	72.5	
10	Bed Loading Area	71.4	
	<b>Standard</b>	<b>90</b>	

\*\*\*End of Report\*\*\*



Authorised Signatory

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I. Ram Ganesan  
Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/W/7614  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405522

### SAMPLE DETAILS

Nature of Sample	Waste Water	Sample Description	STP Outlet Water
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	STP
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	04.06.2024

S. No	Parameters	Units	Test Method	Results	Tolerance Limits as per TNPCB Standards
1	pH at 25 °C	-	IS 3025 (Part -11)-2022	8.26	5.5-9.0
2	Total Suspended Solids	mg/l	IS 3025 (Part -17)-2022	10.0	30
3	Biochemical Oxygen Demand at 27°C for 3 days	mg/l	IS:3025(Part-44)-2023	18.0	20

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,

SIPCOT Industrial Area,

Perundurai, Erode - 638 052

**Report No.**

: **ESL/2406/W/7615**

**Report Date**

: **03.06.2024**

**Sample Code**

: **ESL2405523**

### SAMPLE DETAILS

Nature of Sample	Waste Water	Sample Description	ETP Inlet Water
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	ETP
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	03.06.2024

S. No	Parameters	Units	Test Method	Results
1	pH at 25 °C	-	IS 3025 (Part -11)-2022	1.64
2	Total Dissolved Solids	mg/l	IS 3025 (Part 16) 2023	264
3	Total Suspended Solids	mg/l	IS 3025 (Part -17)-2022	25.0
4	Biochemical Oxygen Demand at 27°C for 3 days	mg/l	IS 3025 (Part 44) :2023	30.0
5	Chemical Oxygen Demand	mg/l	IS 3025 (Part 58): 2023	1160
6	Oil & Grease	mg/l	IS 3025(Part-39)-2021	BQL(LOQ4.0)
7	Chloride as Cl-	mg/l	IS 3025 (Part- 32)-1988 (RA:2019)	106
8	Sulphate as SO <sub>4</sub>	mg/l	IS 3025(Part24/Sec-1)-2022	32.5

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,

SIPCOT Industrial Area,

Perundurai, Erode - 638 052

**Report No.**

: **ESL/2406/W/7616**

**Report Date**

: **03.06.2024**

**Sample Code**

: **ESL2405524**

### SAMPLE DETAILS

Nature of Sample	Waste Water	Sample Description	ETP Outlet Water
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	ETP
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	03.06.2024

S. No	Parameters	Units	Test Method	Results	Tolerance Limits as per TNPB Standards
1	pH at 25 °C	-	IS 3025 (Part -11)-2022	2.02	5.5-9.0
2	Total Dissolved Solids	mg/l	IS 3025 (Part 16) 2023	1940	2100
3	Total Suspended Solids	mg/l	IS 3025 (Part -17)-2022	10.0	100
4	Biochemical Oxygen Demand at 27°C for 3 days	mg/l	IS 3025 (Part 44) :2023	8.0	30
5	Chemical Oxygen Demand	mg/l	IS 3025 (Part 58): 2023	140	250
6	Oil & Grease	mg/l	IS 3025(Part-39)-2021	BQL(LOQ4.0)	10
7	Chloride as Cl-	mg/l	IS 3025 (Part- 32)-1988 (RA:2019)	590	1000
8	Sulphate as SO <sub>4</sub>	mg/l	IS 3025(Part24/Sec-1)-2022	180	1000

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



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Technical Manager

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## TEST REPORT

### Issued To

**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,

SIPCOT Industrial Area,

Perundurai, Erode - 638 052

**Report No. : ESL/2406/W/7617**

**Report Date : 03.06.2024**

**Sample Code : ESL2405525**

### SAMPLE DETAILS

Nature of Sample	Water Analysis	Sample Description	Drinking Water
Sample Collected By	Client	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	Kaveri Water
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	03.06.2024

S.NO	PARAMETER	UNIT	TEST METHOD	RESULTS	As per 10500:2012 (RA:2018)
					Acceptable Limit
1	Odour	-	IS 3025 Part 5-2018	Agreeable	Agreeable
2	Turbidity	NTU	IS : 3025 Part 10-2023	BQL(LOQ:0.1)	1.0
3	pH at 25 °C	-	IS : 3025 Part 11- 2022	7.72	6.5-8.5
4	Electrical Conductivity @25°C	µS/cm	IS :3025Part 14- 1984(RA: 2019)	532.0	--
5	Total Dissolved Solids	mg/l	IS : 3025 Part 16-2023	264.0	500
6	Total Suspended Solids	mg/l	IS 3025 (Part 17)-2022	BQL(LOQ:2.0)	--
7	Total Alkalinity as CaCO <sub>3</sub>	mg/l	IS : 3025 Part 23- 2023	150	200
8	Total Hardness as CaCO <sub>3</sub>	mg/l	IS: 3025 Part 21-2009 (RA:2019)	152	200
9	Calcium as Ca <sup>+</sup>	mg/l	IS :3025 Part 40-1991 (RA:2019)	56.9	75
10	Magnesium as Mg <sup>+</sup>	mg/l	IS 3025 Part 46-2023	2.4	30
11	Chloride as Cl <sup>-</sup>	mg/l	IS :3025 Part 32-1988(RA: 2019)	62.5	250
12	Sulphate as SO <sub>4</sub>	mg/l	IS 3025(Part24/Sec-1)-2022	22.5	200
13	Iron as Fe	mg/l	IS :3025 Part 53-2003 (RA:2019)	BQL(LOQ:0.1)	0.3
14	Fluoride as F	mg/l	IS 3025 Part 60- 2008 (RA:2019)	BQL(LOQ:0.1)	1.0
15	Nitrate as NO <sub>3</sub>	mg/l	IS 3025Part 34-1988 (RA:2019)	3.1	45
16	Nitrite as NO <sub>2</sub>	mg/l	IS 3025Part 34-1988 (RA:2019)	BQL(LOQ:0.1)	--

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

\*\*\*End of Report\*\*\*



Authorised Signatory

I. Ram Ganesan

Technical Manager

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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**  
Plot No. B12, 2nd Cross,  
SIPCOT Industrial Area,  
Perundurai, Erode - 638 052

**Report No.** : ESL/2406/W/7614  
**Report Date** : 03.06.2024  
**Sample Code** : ESL2405522

### SAMPLE DETAILS

Nature of Sample	Waste Water	Sample Description	STP Outlet Water
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	STP
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	04.06.2024

S. No	Parameters	Units	Test Method	Results	Tolerance Limits as per TNPCB Standards
1	pH at 25 °C	-	IS 3025 (Part -11)-2022	8.26	5.5-9.0
2	Total Suspended Solids	mg/l	IS 3025 (Part -17)-2022	10.0	30
3	Biochemical Oxygen Demand at 27°C for 3 days	mg/l	IS:3025(Part-44)-2023	18.0	20

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



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I. Ram Ganesan  
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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,

SIPCOT Industrial Area,

Perundurai, Erode - 638 052

**Report No.**

: **ESL/2406/W/7615**

**Report Date**

: **03.06.2024**

**Sample Code**

: **ESL2405523**

### SAMPLE DETAILS

Nature of Sample	Waste Water	Sample Description	ETP Inlet Water
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	ETP
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	03.06.2024

S. No	Parameters	Units	Test Method	Results
1	pH at 25 °C	-	IS 3025 (Part -11)-2022	1.64
2	Total Dissolved Solids	mg/l	IS 3025 (Part 16) 2023	264
3	Total Suspended Solids	mg/l	IS 3025 (Part -17)-2022	25.0
4	Biochemical Oxygen Demand at 27°C for 3 days	mg/l	IS 3025 (Part 44) :2023	30.0
5	Chemical Oxygen Demand	mg/l	IS 3025 (Part 58): 2023	1160
6	Oil & Grease	mg/l	IS 3025(Part-39)-2021	BQL(LOQ4.0)
7	Chloride as Cl-	mg/l	IS 3025 (Part- 32)-1988 (RA:2019)	106
8	Sulphate as SO <sub>4</sub>	mg/l	IS 3025(Part24/Sec-1)-2022	32.5

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



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I. Ram Ganesan  
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## TEST REPORT

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**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,

SIPCOT Industrial Area,

Perundurai, Erode - 638 052

**Report No.**

: **ESL/2406/W/7616**

**Report Date**

: **03.06.2024**

**Sample Code**

: **ESL2405524**

### SAMPLE DETAILS

Nature of Sample	Waste Water	Sample Description	ETP Outlet Water
Sample Collected By	Enviro Solutions & Labs	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	ETP
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	03.06.2024

S. No	Parameters	Units	Test Method	Results	Tolerance Limits as per TNPB Standards
1	pH at 25 °C	-	IS 3025 (Part -11)-2022	2.02	5.5-9.0
2	Total Dissolved Solids	mg/l	IS 3025 (Part 16) 2023	1940	2100
3	Total Suspended Solids	mg/l	IS 3025 (Part -17)-2022	10.0	100
4	Biochemical Oxygen Demand at 27°C for 3 days	mg/l	IS 3025 (Part 44) :2023	8.0	30
5	Chemical Oxygen Demand	mg/l	IS 3025 (Part 58): 2023	140	250
6	Oil & Grease	mg/l	IS 3025(Part-39)-2021	BQL(LOQ4.0)	10
7	Chloride as Cl-	mg/l	IS 3025 (Part- 32)-1988 (RA:2019)	590	1000
8	Sulphate as SO <sub>4</sub>	mg/l	IS 3025(Part24/Sec-1)-2022	180	1000

**Note:** BQL-Below Quantification Limit, LOQ - Limit of Quantification.

\*\*\*End of Report\*\*\*



Authorised Signatory

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3/6/24  
I. Ram Ganesan  
Technical Manager

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## TEST REPORT

### Issued To

**M/s. Aypols Polymers Private Limited**

Plot No. B12, 2nd Cross,

SIPCOT Industrial Area,

Perundurai, Erode - 638 052

**Report No. : ESL/2406/W/7617**

**Report Date : 03.06.2024**

**Sample Code : ESL2405525**

### SAMPLE DETAILS

Nature of Sample	Water Analysis	Sample Description	Drinking Water
Sample Collected By	Client	Sample Condition	Good
Sampling Procedure	ESL/QSP/07	Sample Location	Kaveri Water
Sample Collected On	27.05.2024	Sample Received On	27.05.2024
Analysis Started On	27.05.2024	Analysis Completed On	03.06.2024

S.NO	PARAMETER	UNIT	TEST METHOD	RESULTS	As per 10500:2012 (RA:2018)
					Acceptable Limit
1	Odour	-	IS 3025 Part 5-2018	Agreeable	Agreeable
2	Turbidity	NTU	IS : 3025 Part 10-2023	BQL(LOQ:0.1)	1.0
3	pH at 25 °C	-	IS : 3025 Part 11- 2022	7.72	6.5-8.5
4	Electrical Conductivity @25°C	µS/cm	IS :3025Part 14- 1984(RA: 2019)	532.0	--
5	Total Dissolved Solids	mg/l	IS : 3025 Part 16-2023	264.0	500
6	Total Suspended Solids	mg/l	IS 3025 (Part 17)-2022	BQL(LOQ:2.0)	--
7	Total Alkalinity as CaCO <sub>3</sub>	mg/l	IS : 3025 Part 23- 2023	150	200
8	Total Hardness as CaCO <sub>3</sub>	mg/l	IS: 3025 Part 21-2009 (RA:2019)	152	200
9	Calcium as Ca <sup>+</sup>	mg/l	IS :3025 Part 40-1991 (RA:2019)	56.9	75
10	Magnesium as Mg <sup>+</sup>	mg/l	IS 3025 Part 46-2023	2.4	30
11	Chloride as Cl <sup>-</sup>	mg/l	IS :3025 Part 32-1988(RA: 2019)	62.5	250
12	Sulphate as SO <sub>4</sub>	mg/l	IS 3025(Part24/Sec-1)-2022	22.5	200
13	Iron as Fe	mg/l	IS :3025 Part 53-2003 (RA:2019)	BQL(LOQ:0.1)	0.3
14	Fluoride as F	mg/l	IS 3025 Part 60- 2008 (RA:2019)	BQL(LOQ:0.1)	1.0
15	Nitrate as NO <sub>3</sub>	mg/l	IS 3025Part 34-1988 (RA:2019)	3.1	45
16	Nitrite as NO <sub>2</sub>	mg/l	IS 3025Part 34-1988 (RA:2019)	BQL(LOQ:0.1)	--

Note: BQL-Below Quantification Limit, LOQ - Limit of Quantification

\*\*\*End of Report\*\*\*



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Technical Manager

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AYPOLS POLYMERS PRIVATE LIMITED.  
PERUNDURAI, ERODE (TN)

**FORM V**

**(See Rule 14)**

Environment Statement for the Financial Year April-2023 –March- 2024

“Part – A”

- i) Name and Address of the : **M/s AYPOLS POLYMERS PRIVATE LIMITED**  
Owner / Occupier of the Plot No. B12 , 2<sup>nd</sup> Cross SF No 185,186  
Industry SIPCOT Industrial Growth Centre,  
Perundurai – 638 052,  
Dist – Erode (TN)
- ii) Industry Category : Small scale Industry  
Primary - (STC Code)  
Secondary - (STC Code)
- iii) Production Capacity : 36000 MT /Year
- iv) Production this Year : 8400MT
- v) Year of Establishment : 2017
- vi) Date of the last :  
Environmental Statement  
Submitted

AYPOLS POLYMERS PRIVATE LIMITED.  
PERUNDURAI, ERODE (TN)

“Part – B”

**WATER AND RAW MATERIAL CONSUMPTIONS**

(i) Water Consumption in M<sup>3</sup>/Day

PROCESS	:	NIL
DOMESTIC	:	0.8 KLD
COOLING	:	6.0 KLD

---

Process Water Consumption per Unit of Product Output		
Name of the Product		
	During the Previous Financial Year (2022– 2023)	During the Current Financial Year (2023 – 2024)
UNSATURATED POLYESTER RESINS	NIL	NIL

---

AYPOLS POLYMERS PRIVATE LIMITED  
PERUNDURAI, ERODE (TN)

(ii) **RAW MATERIAL CONSUMPTION**

			<u>Consumption of Raw Materials / Unit</u>	
** Name of Raw Materials	Name of Products		During the Previous Financial Year (2022– 2023)	During the Current Financial Year (2023 – 2024)
1	MALEIC ANHYRIDE	UNSATURATED POLYESTER RESIN	1380	1501
2	PTHALIC ANHYDRIDE	UNSATURATED POLYESTER RESIN	1725	1909
			3117	3362
3	STYRENE MONOMER	UNSATURATED POLYESTER RESIN		
4	PROPELENE GLYCOL	UNSATURATED POLYESTER RESIN	381	476
5	DI-ETHYLENE GYLCOL	UNSATURATED POLYESTER RESIN	1347	1522
			640	689
6	MONO-ETHYLENE GLYCOL	UNSATURATED POLYESTER RESIN		
7	ISO PTHALIC ACID	UNSATURATED POLYESTER RESIN	65	87

\*\* Industry may use codes if disclosing details of raw materials would violate contractual obligations, otherwise all industries have to name the raw materials used.



AYPOLS POLYMERS PRIVATE LIMITED  
PERUNDURAI, ERODE (TN)

“Part – C”

**Pollution Discharged to Environment / Unit of Output**

**(Parameter as specified in Consent issued)**

Pollution	Quantity of Pollutants Discharged (Mass / Day)	Concentration of Pollutants in Discharged (mass / Volume)	Percentage or Variation from prescribed Standards with Reasons
(a) Water	We are not discharging any “Trade Effluent” outside.		
(i) BOD			
(ii) COD			
(iii) TSS			
(iv) Oil & Grease			
(b) Air <b><u>(STACK)</u></b>			
Concrete Stack		79.3 mg/Nm <sup>3</sup>	48 % Less than Standard
(c) Air <b><u>(DG Set) – 250 KVA</u></b>			
SPM	0.113g/kw-hr		56.5 % Less than standard
SO <sub>2</sub>	6.1 mg/nm <sup>3</sup> / Day	6.1 Mg/cubic metre	78 Less than standard
NO <sub>x</sub>	0.97 g/kw-hr	39 Mg/cubic metre	74 Less than standard

NB: - Air monitoring has been done by M/s Enviro Solution and Labs Mettupalayam Road Coimbatore ESL/2406/SM/7612 dated 03.06.2024

AYPOL'S POLYMERS PRIVATE LIMITED  
PERUNDURAI, ERODE (TN)

"Part – D"

**Hazardous Wastes**

**(As specified under Hazardous Waste Management  
Handling Amendment Rules)**

Hazardous Waste	Total Quantity (Kg)	
	During the Previous Financial Year (2022– 2023)	During the Current Financial Year (2023 – 2024)
a) 33-1 Empty Barrels ,sacks etc	5 MT	5 MT
b) 5-1 Used or spent oil	0.05 MT	0.06MT

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“Part – E”

**Solid Wastes**

Hazardous Waste	Total Quantity (Kg)	
	During the Previous Financial Year (2022– 2023)	During the Current Financial Year (2023 – 2024)
a) From Process	5 MT/Year	6 MT/Year
b) From Pollution Control Facilities	0.5 MT/Year	0.5 MT/Year

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“Part – F”

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**Please specify the characters (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastages.**

- 1) Used Barrels Empty Bags: Empty HDPE Bags are disposed to the local vendors .

“Part – G”

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**Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.**

AYPOLS has initiated various proactive measures in the following areas. The summary of the actions are given below:-

- a) Recycling, Waste Minimization, Process Management, Raw Material Management:-
  - i. Green Waste generated in the process is recycled to process itself
  - ii. Process water is totally recycled back into the process. The company works on the principle of **“Zero Effluent Management”**.
  - iii. The company works on the principle of **“Zero Waste Management”**. All the process waste , rejections etc are salvaged in the appropriate batch
  - iv. From time to time various technological upgradation of machines and equipments and improvements in the practices and procedures of manufacturing process has been done to reduce the wastages.
  - v. Raw material godowns are always kept in spick and span condition by proper management.

“Part – G”

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b) Water Conservation –

- i) Water meters are installed at suitable points regular monitoring of water consumption is done and remedial action taken, if necessary.
  - ii) Domestic waste water generated from the Factory, Canteen & Quarters is collected in the domestic waste water treatment tank and after treatment through a Sewage Treatment Plant (STP) reused in the plantation.
- c) We are proceeding with a Green Belt Development plan by maintaining the ecological balance of the area. At least 50 varieties of saplings have been planted till Dec, 2015. We are successfully maintaining 5000 nos. of trees in and around our plant.

“Part – H”

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**Additional Measures / Investment proposal for Environmental Protection including Abatement of Pollution.**

- 1) Domestic Waste water treatment tank – A 10 Kl domestic waste water treatment STP installed which is domestic waste water is collected and after treatment it is reused for plantation purpose.
- 2) Rain Water Harvesting – The Company has also undertaken the roof top rain water collection system by connecting to the rain water harvesting well.

“Part – I”

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**MISCELLANEOUS**

**Any other particulars in respect of Environmental Protection and Abatement of pollution.**

1) Thermal Oxidizer –

The company has installed a Thermal Oxidizer (German Make) to control the Air pollution ,where the fumes are collected through the duct and its burned in the Chamber .

2) Top Management Commitment –

The management of AYPOLS is committed to maintain a healthy & Eco-friendly Environment in and around our factory. The management is also committed to comply with all the statutory norms and regulations. Management is directly involved with the following meetings where Environmental Performances, Environmental Problems and various solutions are discussed and implementation status reviewed.

a) Environmental & Safety Management Committee Meetings – Once in two months.

b) Quality Circles Meeting – Fortnightly.

3) Self-Monitoring of Compliance, Action Taken on the basis of Results –

We are complying with the monitoring of various environmental parameters as mentioned here under as per the guidelines of Tamilnadu Pollution Control Board & Ministry of Environment and Forest.



AYPOLS POLYMERS PRIVATE LIMITED  
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“Part – I”

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- a) Monitoring of stacks of pollution control devices for Dust Concentration for all the individual stacks – Quarterly
- b) Monitoring of stacks of DG sets for dust concentration, SO<sub>2</sub>, NO<sub>x</sub> – Quarterly.
- c) Ambient Air Quality monitoring is done for Dust concentration, SO<sub>2</sub>, NO<sub>x</sub>, at suitable location – Quarterly.
- d) The monitored data is analyzed and compared with the permissible limits and remedial actions are taken, if necessary. The monitored data's are also sent to the Tamilnadu Pollution Control Board and Ministry of Environment Forest.

4) Safety Aspects –

The following steps have been taken for Safety purposes –

- I. Various types of protective equipment's like helmets, Gum Boots, Nose Musk, Ear Muffs, Hand gloves have been given to the personnel as and when necessary.
- II. Machine guards, Belt guards, Motor guards have been put in the machines for safety purpose. Also railings have been put at various locations for safety of workmen.
- III. Appropriate fire fighting equipment's are kept at various locations.
- IV. The company has an EHS Personal who takes care of all Environmental, Health and Safety needs