

Date: 29<sup>th</sup> November 2023

To,  
The Member Secretary,  
Maharashtra Pollution Control Board,  
3<sup>rd</sup> & 4<sup>th</sup> floor, Kalpataru Point,  
Opp. PVR Theatre, Sion (E),  
Mumbai-400 022.

**Subject:** Half-yearly Compliance Report of EC: April 2023 to September 2023.

**Project:** revalyu Recycling (India)Limited. (Formerly known as Polygenta Technologies Limited) Manufacturing of 91,250 TPA PET products (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully Drawn Yarn) and recovery of 73,000 TPA of Mono Ethylene Glycol used in PET recycling at Gat No. 48, 49/1, 49/2, Village: Avankhed, Tal.: Dindori, District :Nashik.

**EC No.** EC22B019MH116596 Dated 17<sup>th</sup> August 2022

Dear Sir,

We are submitting half-yearly Compliance Report of Environmental Clearance for the period April 2023 to September 2023, as specified in Clause 10(i) of MoEF Notification dt. 14<sup>th</sup> September 2006 & as per General Condition II of EC Id No. EC22B019MH116596 dt. 17.08.2022.

Thanking you,

Yours faithfully,  
For revalyu Recycling (India) Limited.

  
Dhanyant H. Yeola  
Executive Director-Technical



  
Maharashtra Pollution Control Board  
Kalpataru Point, 2nd Floor, Sion Circle,  
Opp. One Planet. Sion (East),  
Mumbai - 400 022.  
Tel. 24010437 / 24020781.  
Website : www.mpcb.gov.in

**Encl.:** A hard copy of the compliance and monitoring report as mentioned in subject.

**Cc:**

1. Regional officer, Maharashtra Pollution Control Board, Nashik
2. Member Secretary, State Environmental Impact Assessment Authority, Govt. of Maharashtra, Mumbai
3. The Director, Regional Office (West Central Zone), MoEF & CC, Nagpur

## REVALYU RECYCLING (INDIA) LIMITED

IMS (ISO 9001, ISO 14001 and ISO 45001), Oekotex Std-100, GRS (Global Recycle Standard), OBP (Ocean Bound Plastic) and REACH.

Registered Office and Plant : Gat No. 265/1-266, Village Avankhed, Taluka Dindori, Dist. Nashik - 422 202 | Ph.: +91 (0) 2557 228100 to 228209

Nashik Office : Bisoal 1/A/1B, First Floor, Plot No. 22, Indira Nagar, Wadala Road, Nashik - 422 006. | Ph.: +91 253 2992121

E-mail : info@revalyu.in | https://www.revalyu.in

Corporate identify Number : U17120MH1981PLC025386

Date: 29<sup>th</sup> November 2023

To,  
The Member Secretary,  
State Environment Impact Assessment Authority,  
Environment Dept., Govt. of Maharashtra,  
Room No. 217-A, 2<sup>nd</sup> floor,  
Madam Cama Road, Hutatma Rajguru Chowk,  
Annex. Bldg., Manatralaya,  
Mumbai-400 001.

**Subject:** Half-yearly Compliance Report of EC: April 2023 to September 2023.

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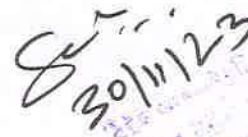
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For revalyu Recycling (India) Limited.

  
Dhanvant H. Yeola  
Executive Director-Technical



  
30/11/23  
The Member Secretary,  
State Environment Impact Assessment Authority,  
Annex. Bldg., Manatralaya,  
Mumbai-400 001.

लिपिड,  
महाराष्ट्र प्रदूषण नियंत्रण बोर्ड,  
पर्यावरण व वनसंरक्षण विभाग,  
मंत्रालय, मुंबई-४०० ००१

**Encl.:** A hard copy of the compliance and monitoring report as mentioned in subject.

**CC:**

1. Member Secretary, MPCB, Sion, Mumbai.
2. Regional Officer, Maharashtra Pollution Control Board, R.O. Nashik
3. The Director, Regional Office (West Central Zone), MoEF & CC, Nagpur

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E-mail : info@revalyu.in | https://www.revalyu.in

Corporate Identify Number : U17120MH1981PLC025388

Date: 29<sup>th</sup> November 2023

To,  
The Director,  
Integrated Regional Office (IRO),  
Ministry of Environment Forest & Climate Change,  
Ground Floor, East Wing,  
New Secretariat Building Civil Lines,  
Nagpur-440001.

**Subject:** Half-yearly Compliance Report of EC: April 2023 to September 2023.

**Project:** revalyu Recycling (India)Limited. (Formerly known as Polygenta Technologies Limited) Manufacturing of 91,250 TPA PET products (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully Drawn Yarn) and recovery of 73,000 TPA of Mono Ethylene Glycol used in PET recycling at Gat No. 48, 49/1, 49/2, Village: Avankhed, Tal.: Dindori, District: Nashik.

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Yours faithfully,

**For revalyu Recycling (India) Limited.**



**Dhanvant H. Yeola**  
Executive Director-Technical



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## REVALYU RECYCLING (INDIA) LIMITED

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Corporate Identify Number : U17120MH1981PLC025388

**Revalyu Recycling (India) Limited.  
(Formerly known as  
Polygenta Technologies Limited)**

**Environmental Clearance  
Compliance Report**

**April 2023 to September 2023**

**Manufacturing of 91,250 TPA PET products (Recycled PET chips,  
Recycled Oligomer, partially oriented yarn, fully drawn yarn) and  
recovery of 73,000 TPA of Mono Ethylene Glycol used in PET  
Recycling**

**at**

**Gat No. 48, 49/1, 49/2, Village: Avankhed, Tal.: Dindori,  
District: Nashik**

**(Environmental Clearance Letter No. SIA/MH/IND2/251563/2022 Dated  
17<sup>th</sup> August 2022)**

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**Compliance Status of EC conditions**  
**Environment Clearance. EC22B019MH116596, File No. - SIA/MH/IND2/251563/2022 dated on**  
**17<sup>th</sup> August 2022)**

No	Condition	Compliance
	Specific Conditions	
<b>A</b>	<b>SEAC Conditions</b>	
1	PP to provide green belt all along the periphery of the plot and submit revised lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.	<p>We will provide green belt area 24,387 m<sup>2</sup> (which is 33% of the total plot area).</p> <p>4,880 no. of trees are proposed to plant on site. 8,868 m<sup>2</sup> Parking area is proposed. 60 nos. of recharge pits are proposed.</p> <p>We will provide the internal roads with 12 m. driveway and cul de sac Min area required for this is 81 m<sup>2</sup>. as per UDCPR and we have provided 144 m<sup>2</sup> i.e., 12 m x 12 m (road width).</p> <p>Location of following are marked on layout</p> <p>Pollution control equipment like ETP/STP, Stacks, Incinerator, MEE, stripper, dyke wall at tankfarm etc.</p> <p>parking area : 8,868 m<sup>2</sup></p> <p>33% Green belt area with dimensions,</p> <p>Rainwater harvesting structures with dimensions,</p> <p>Area statement showing calculation for each area</p> <p>Cross sections of storm water drain and rain water harvesting pits.</p>
2	PP agreed to provide Zero Liquid Discharge Effluent Treatment Plant. PP proposes to provide Zero Liquid Discharge Effluent Treatment Plant. PP to ensure no waste water be discharge outside the premises. PP to explore possibility to assess techno-economic feasibility of using technology for MEE such as low temperature/mechanical vapour compressor etc. so as to reduce operation cost and use of natural resources	<p>36 m<sup>3</sup>/day of sewage will be treated in 40 m<sup>3</sup>/day capacity of STP &amp; 96 m<sup>3</sup>/day of effluent will be treated in 100 m<sup>3</sup>/day ETP.</p> <p>Treated water will be recycled and reused for gardening &amp; industrial cooling purpose.</p> <p>No excess treated water will be discharged outside the plant and the unit will be zero liquid discharge plant.</p> <p>Plan for Zero Liquid Discharge plan is attached herewith.</p>
3	PP to identify the sources of odour and implement corrective measures to avoid odour nuisance.	We will identify the sources (like VOC generation points) of odour and same will be disposed/consumed in Incinerator through close loop. This will reduce odour.
4	PP informed that, all VOC's generated from the process will be taken to the	We will monitor the VOC parameters during the operation phase and arrangement to burnt the



	Thermal Fluid Heater in closed loop and will be burnt. PP to include VOC as a monitoring parameter to ascertain no VOC's are escaping in the environment.	VOC's in incinerator will be done to ascertain no VOC's will be escape to environment.
5	PP to ensure to utilize CER fund before the commissioning of the manufacturing activity in consultation with the District Collector.	CER amount Rs.735/- Lakh (1.5%) Yes, we will utilize the CER fund before the commissioning of the manufacturing activity plan. Ack. copy submitted to district collector for application for approval for implementation of CER
6	PP to provide Online Continuous Monitoring System connected to the servers of CPCB and MPCB.	We will provide an Online Continuous Monitoring System connected to the servers of CPCB and MPCB.
7	PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity. PP agreed to conserve all trees exists on site.	We will provide green belt area 24,387 m <sup>2</sup> (which is 33% of the total plot area) with the provision of drip irrigation. There are no existing trees at the site. We will propose to plant 4,880 nos. of trees on site.
8	PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.	We will provide total 60 nos. of recharge pits, out of which 45 nos. 16mtr. depth & 15 nos. of 25m. depth with 150mm. diameter. RWH study done.
9	PP to provide sliding gate at entry and exit to achieve maximum turning radius of vehicle entering the site.	We will provide 12 m. wide internal road. We will also provide a retractable gate at the entry and exit gate.
10	PP to use solar energy for illumination of office building, street light and parking areas.	We will provide solar panels on a terrace area of 16,756.25 m <sup>2</sup> . Approximately 15000 kWh units per year will be saved and will use this solar energy for either process or for the office building, street lights & parking areas.
<b>B.</b>	<b>SEIAA Conditions</b>	
1	PP submitted ADTP plan dated 03.06.2022. As per the said plan total plot area is 73,900.00 m <sup>2</sup> and green belt area provided is 24,387.00 m <sup>2</sup> i.e. 33 % of total plot area.	Noted and requirement of 33% total plot area will be complied. Total plot area 73,900 m <sup>2</sup> & 24,387 m <sup>2</sup> (33% of total plot area) will be provided.
2	PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental	We will plant tree as per Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun & plantation will be done in first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.



	Clearance under expert guidance of Miyawaki experts /arborist.	
3	PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.	Yes, Solid waste generated will be disposed off through registered recycler.
4	PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.	Yes, we will comply the conditions. Hazardous waste will be disposed off through CHWTSDF / authorised recycler.
5	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.	Fugitive emission like dust during construction phase is mitigated by the sprinkling of water and we are regularly monitoring the ambient air quality and found within limit.  Fugitive emissions will also be monitored periodically during operation phase.
6	PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.	We are complying the condition for storages of chemicals like HSD as per PESO rules and licences. Dyke wall as per PESO guidelines will be provided and for other tanks also dyke will be provided as per the guidelines of secondary containment.  We will take precaution for handling of chemical to prevent any releases of chemicals to atmosphere and soil during operation phase by means of SOP's and checklist for storage, loading and unloading.
7	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).	We will ensure transport, storage, handling of use of the flammable/toxic chemicals as per conditions stipulated in licence/approval of the Petroleum and Explosive Safety Organization (PESO)
8	PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.	Application for obtaining DISH approval and licence for the proposed project is under process.  Safety audit will be conducted as per MFR, 1963 once the unit is in operation and recommendations will be complied.
9	PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.	We will provide roof top solar 700 kVA/hr at peak solar energy will be utilized. (Approximate 15000 kWh unit per year save) for illumination of building, street lights and parking area.





10	PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste, not less than 50 % of the total fuel requirement to the boiler.	Noted and will be complied. We are evaluating use of briquette as a fuel for TFH.
11	PP to provide roof top Rain Water Harvesting facility.	We will provide the rainwater harvesting tank of 500 m <sup>3</sup> capacity & 60 no. of recharge pits.
12	PP to ensure that proposed project is ZLD.	Yes, the project is ZLD
<b>General Conditions</b>		
(i)	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <a href="http://parivesh.nic.in">http://parivesh.nic.in</a>	Complied. Advertise published in 2 local newspaper viz. Lokmat Marathi dt. 09.09.2022 & Lokmat Times dt. 09.09.2022.  Copies of the above advertisement are attached herewith.  Copy of EC is also available on our website & also be seen at " <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ."
(ii)	The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1 <sup>st</sup> June & 1 <sup>st</sup> December of each calendar year.	<b>Complied.</b> Status of half yearly compliance for the period October 2022 to March 2023 including all monitoring reports of air, water, noise, soil on our website and copy also submitted at MPCB, SEIAA and Regional Office of MoEF & CC, on 1 <sup>st</sup> June 2023.
(iii)	Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-	Yes, we have allocated separate funds for EMP in both Construction phase and Operation phase. These funds will strictly be used for the environmental protection measures only.



	wise expenditure should be reported to the MPCB and the SEIAA.	
(iv)	A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.	Yes, We will form Environmental Management Cell once the unit is commissioned and operational.
(v)	In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.	Noted and will be complied.
(vi)	PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.	We will comply the various conditions in CTE like water consumptions, O & M of ETP/ STP, fuel consumption, emissions, haz. Waste handling and Management.
(vii)	PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.	The storm water drains and sewer lines will be separately provided on site. With this arrangement we ensure that storm water and sewage will not get mixed.
(viii)	Periodic Monitoring of ground water in the-study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	Noted. Periodic Monitoring of ground water. Results of Monitoring for duration September 2023 is attached.
(ix)	The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.	Noted. Noise monitoring reports for September 2023 are attached. Control measures like provision of ear plug and ear muffs are being followed continuously.
(x)	Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.	All safety precautions will be provided.  Leak detection system will be provided at Ammonia storage for early detection and mitigation purpose.
(xi)	PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.	Noted and will be complied.



(xii)	The Environmental Statement for each financial year ending on 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.	Noted and will be submitted once the unit is commissioned and operational.  It will also be displayed on company website once submitted to MPCB.
4	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Noted
5	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Noted
6	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason	Noted
7	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended from time to time	Noted. EC letter EC22B019MH116596 was received dt. 17.08.2022. Validity of Environment Clearance is 16.08.2027.
8	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed	Noted



	and to incorporate additional environmental protection measures required, if any.	
9	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments	We have obtained Consent to Establish from MPCB dt. 17.09.2022 under Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016. Policy under PLI Act 1991 is also available and valid till 20.02.2024.
10	Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, pt Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.





### Conditions of Consent to Establish

Consent Order NO. Format 1.0/CAC-CELL/UAN No. No.0000135869/CE/2209001095 dated:  
17.09.2022

No.	Conditions	Compliance																																										
1.	The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier	Noted.																																										
2.	The capital investment of the project is Rs.490 Crs. (As per C.A Certificate submitted by industry)	C.A Certificate was submitted to the MPCB.																																										
3.	Consent is valid for the manufacture of: <table border="1" data-bbox="284 577 973 741"> <thead> <tr> <th>Sr. no</th> <th>Permission obtained</th> <th>Max. Qty</th> <th>UOM</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Pet chips (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully drawn Yarn)</td> <td>91,250</td> <td>MT/A</td> </tr> </tbody> </table>	Sr. no	Permission obtained	Max. Qty	UOM	1	Pet chips (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully drawn Yarn)	91,250	MT/A	Noted.																																		
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S1	Thermic Fluid Heater (NSK2) & Thermic Fluid Heater (NSK3)	1	As per schedule-II																																									
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6.	Non-Hazardous Wastes <table border="1" data-bbox="284 1397 973 2011"> <thead> <tr> <th>Sr. No.</th> <th>Type of Waste</th> <th>Qty &amp; UoM</th> <th>UOM</th> <th>Treatment</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Polymer lumps</td> <td>1216</td> <td>MT/A</td> <td>Sale</td> <td>Sale to authorized party</td> </tr> <tr> <td>2</td> <td>Monomer</td> <td>12.1</td> <td>MT/A</td> <td>Sale</td> <td>Sale to authorized party</td> </tr> <tr> <td>3</td> <td>Label &amp; pieces of labels of PVC</td> <td>36.5</td> <td>MT/A</td> <td>Sale</td> <td>Sale to authorized party</td> </tr> <tr> <td>4</td> <td>PET Mud &amp; Dirt</td> <td>365</td> <td>MT/A</td> <td>Sale</td> <td>Sale to authorized party</td> </tr> <tr> <td>5</td> <td>HDPE/PP lines Bags</td> <td>6.08</td> <td>MT/A</td> <td>Sale</td> <td>Sale to authorized party</td> </tr> <tr> <td>6</td> <td>Sweeping PET Chips</td> <td>121.6</td> <td>MT/A</td> <td>Sale</td> <td>Sale to authorized party</td> </tr> </tbody> </table>	Sr. No.	Type of Waste	Qty & UoM	UOM	Treatment	Disposal	1	Polymer lumps	1216	MT/A	Sale	Sale to authorized party	2	Monomer	12.1	MT/A	Sale	Sale to authorized party	3	Label & pieces of labels of PVC	36.5	MT/A	Sale	Sale to authorized party	4	PET Mud & Dirt	365	MT/A	Sale	Sale to authorized party	5	HDPE/PP lines Bags	6.08	MT/A	Sale	Sale to authorized party	6	Sweeping PET Chips	121.6	MT/A	Sale	Sale to authorized party	Non- Hazardous Wastes will be sold to authorized party
Sr. No.	Type of Waste	Qty & UoM	UOM	Treatment	Disposal																																							
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No.	Conditions	Compliance																																																						
7.	<p>Conditions under Hazardous &amp; Other wastes (M&amp;TM) Rules 2016 for treatment and disposal of hazardous waste:</p> <table border="1"> <thead> <tr> <th>Sr.</th> <th>Category</th> <th>Qty</th> <th>UoM</th> <th>Treatment</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.4 Organic residues.</td> <td>2433.3</td> <td>Ltr/A</td> <td>Incineration</td> <td>CHWTSDF</td> </tr> <tr> <td>2</td> <td>5.1 Used or spent oil</td> <td>36.5</td> <td>MT/A</td> <td>Incineration /Recycle</td> <td>Sale to authorised party / CHWTSDF</td> </tr> <tr> <td>3</td> <td>5.2 Wastes or residues containing oil</td> <td>3.65</td> <td>MT/A</td> <td>Incineration /Recycle</td> <td>Sale to authorised party / CHWTSDF</td> </tr> <tr> <td>4</td> <td>35.3 Chemical sludge from waste water treatment.</td> <td>182.5</td> <td>MT/A</td> <td>Landfill</td> <td>CHWTSDF</td> </tr> <tr> <td>5</td> <td>36.2 Spent carbon or filter medium</td> <td>121.6</td> <td>MT/A</td> <td>Incineration</td> <td>CHWTSDF</td> </tr> <tr> <td>6</td> <td>33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes</td> <td>6.08</td> <td>MT/A</td> <td>Incineration / Recycle*</td> <td>Sale to authorised party / CHWTSDF</td> </tr> <tr> <td>7</td> <td>Triethylene Glycol</td> <td>24.3</td> <td>MT/A</td> <td>Incineration / Recycle*</td> <td>Sale to authorised party / CHWTSDF.</td> </tr> <tr> <td>8</td> <td>Residue from Ethylene Glycol Recovery Plant</td> <td>121.6</td> <td>MT/A</td> <td>Incineration /Recycle*</td> <td>Sale to authorised party / CHWTSDF</td> </tr> </tbody> </table>	Sr.	Category	Qty	UoM	Treatment	Disposal	1	1.4 Organic residues.	2433.3	Ltr/A	Incineration	CHWTSDF	2	5.1 Used or spent oil	36.5	MT/A	Incineration /Recycle	Sale to authorised party / CHWTSDF	3	5.2 Wastes or residues containing oil	3.65	MT/A	Incineration /Recycle	Sale to authorised party / CHWTSDF	4	35.3 Chemical sludge from waste water treatment.	182.5	MT/A	Landfill	CHWTSDF	5	36.2 Spent carbon or filter medium	121.6	MT/A	Incineration	CHWTSDF	6	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	6.08	MT/A	Incineration / Recycle*	Sale to authorised party / CHWTSDF	7	Triethylene Glycol	24.3	MT/A	Incineration / Recycle*	Sale to authorised party / CHWTSDF.	8	Residue from Ethylene Glycol Recovery Plant	121.6	MT/A	Incineration /Recycle*	Sale to authorised party / CHWTSDF	<p>Hazardous &amp; Other wastes will be disposed of through CHWTSDF and/or sold to authorized party.</p> <p>Correction is required in the Sr.no. 8 i.e. quantity of residue from EG recovery plant is 3650 MT/A.</p>
Sr.	Category	Qty	UoM	Treatment	Disposal																																																			
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8	This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.	Noted																																																						
9	This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies	Noted.																																																						
10	The applicant should not take any effective steps for the implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated- 14.09.2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA. II(I); Dated- 19/08/2010, fencing of the site to protect it from getting encroached and construction of	<b>Complied.</b> We have received EC from SEIAA having letter no. EC22B019MH116596 on 17.08.2022																																																						



No.	Conditions	Compliance
	temporary shed(s) for the guard(s) & acquisition of land not be treated as an effective step.	
11	Industry shall dispose the Hazardous Waste as per the provisions of Rule.	Noted & will be complied.
12	Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server	Noted & will be complied.
13	The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity.	Noted & will be complied.
14	This consent is issued as per the minutes of the Consent Appraisal Committee meeting held on 28/7/2022	Noted.



**Schedular I****Terms & Conditions for Compliance of Water Pollution Control**

No.	Conditions	Compliance																														
1	<p>A. As per your application, you have proposed to provide Effluent Treatment Plant (ETP) of designed capacity of 100.00 CMD consisting of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, activated carbon filter), Sludge treatment (Sludge drying bed) for the <b>treatment of 96 CMD of trade effluent.</b></p>	We will provide the ETP of 100 CMD with Primary, Secondary, Tertiary treatment to treat 96 CMD of trade effluent.																														
	<p>B. The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent</p> <table border="1"> <thead> <tr> <th>Sr</th> <th>Parameters</th> <th>Standards prescribed by board</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>Limited concentration in mg/l, except for pH</td> </tr> <tr> <td>1</td> <td>pH</td> <td>6.0 -8.5</td> </tr> <tr> <td>2</td> <td>BOC</td> <td>30</td> </tr> <tr> <td>3</td> <td>COD</td> <td>250</td> </tr> <tr> <td>4</td> <td>TSS</td> <td>100</td> </tr> <tr> <td>5</td> <td>Oil &amp; Grease</td> <td>10</td> </tr> <tr> <td>6</td> <td>Total Dissolved Solids</td> <td>2100</td> </tr> <tr> <td>7</td> <td>Chloride</td> <td>600</td> </tr> <tr> <td>8</td> <td>Sulphate</td> <td>1000</td> </tr> </tbody> </table>	Sr	Parameters	Standards prescribed by board			Limited concentration in mg/l, except for pH	1	pH	6.0 -8.5	2	BOC	30	3	COD	250	4	TSS	100	5	Oil & Grease	10	6	Total Dissolved Solids	2100	7	Chloride	600	8	Sulphate	1000	We will provide ETP to treat trade effluent to achieve the standards prescribed by Board.
Sr	Parameters	Standards prescribed by board																														
		Limited concentration in mg/l, except for pH																														
1	pH	6.0 -8.5																														
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6	Total Dissolved Solids	2100																														
7	Chloride	600																														
8	Sulphate	1000																														
	<p>C. The industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.</p>	Noted and will be complied.																														
	<p>D. The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be used on land for gardening within premises after confirming above standards. In no case, effluent shall find its way outside factory premises</p>	Noted and will be complied during operation.																														
2	<p>A. As per your application, you have provided Sewage Treatment Plant of designed capacity 40 CMD for the treatment of 36 CMD of sewage</p>	We will be providing STP of capacity 40 KLD to treat total 36 KLD of sewage water.																														





No.	Conditions	Compliance																		
	<p>B. The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.</p> <table border="1"> <thead> <tr> <th>Sr.</th> <th>Parameter</th> <th colspan="2">Standards</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Suspended Solids</td> <td>Not to exceed</td> <td>50 mg/l</td> </tr> <tr> <td>2</td> <td>BOD 3 days 27°C</td> <td>Not to exceed</td> <td>30mg/l</td> </tr> <tr> <td>3</td> <td>COD</td> <td>Not to exceed</td> <td>100mg/l</td> </tr> </tbody> </table>	Sr.	Parameter	Standards		1	Suspended Solids	Not to exceed	50 mg/l	2	BOD 3 days 27°C	Not to exceed	30mg/l	3	COD	Not to exceed	100mg/l	Noted and sewage will be treated to achieve the standards prescribed by Board.		
Sr.	Parameter	Standards																		
1	Suspended Solids	Not to exceed	50 mg/l																	
2	BOD 3 days 27°C	Not to exceed	30mg/l																	
3	COD	Not to exceed	100mg/l																	
	<p>C. The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be used on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises</p>	We will treat total 36 KLD of sewage water in STP of capacity 40 KLD. Recycled water will be utilized for secondary purposes to the maximum extent and remaining will be discharged on open land for gardening within premises.																		
3	The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto	Noted.																		
4	The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.	Noted and will be complied.																		
5.	<p>The Applicant shall comply with the provisions of the Water (Prevention &amp; Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>The purpose for water consumed</th> <th>Water consumption quantity (CMD)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Industrial Cooling, spraying in mine pits or boiler feed</td> <td>320.00</td> </tr> <tr> <td>2</td> <td>Domestic purpose</td> <td>40.00</td> </tr> <tr> <td>3</td> <td>Processing whereby water gets polluted &amp; pollutants are easily biodegradable</td> <td>120.00</td> </tr> <tr> <td>4</td> <td>Processing whereby water gets polluted &amp; pollutants are not easily biodegradable and are toxic</td> <td>0.00</td> </tr> <tr> <td>5</td> <td>Gardening</td> <td>0</td> </tr> </tbody> </table>	Sr. No.	The purpose for water consumed	Water consumption quantity (CMD)	1	Industrial Cooling, spraying in mine pits or boiler feed	320.00	2	Domestic purpose	40.00	3	Processing whereby water gets polluted & pollutants are easily biodegradable	120.00	4	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00	5	Gardening	0	Noted and will be complied. Water meters will be provided to all sources of consumption.
Sr. No.	The purpose for water consumed	Water consumption quantity (CMD)																		
1	Industrial Cooling, spraying in mine pits or boiler feed	320.00																		
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5	Gardening	0																		
6	The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act. 1986 and rule made there under from time to time	Noted. For Water Pollution control ETP & STP will be provided.																		



**Scheduler-II****Terms & conditions for compliance of Air Pollution Control**

No.	Conditions	Compliance																																												
1.	<p>As per your application, you have proposed to provide the Air pollution control (APC) system and also proposed to erect the following stack (s) and to observe the following fuel pattern</p> <table border="1"> <thead> <tr> <th>Stack no.</th> <th>Stack attached to</th> <th>APC system</th> <th>Ht (m)</th> <th>Type of fuel</th> <th>Sulphur content (in %)</th> <th>Pollutants</th> <th>Std.</th> </tr> </thead> <tbody> <tr> <td rowspan="6">S1</td> <td rowspan="2">Thermic Fluid Heater (NSK2)</td> <td rowspan="2">Scrubber</td> <td rowspan="6">45.0</td> <td rowspan="6">LSHS /Gas 1.04 kg/hr</td> <td rowspan="6">1</td> <td>TPM</td> <td>150 Mg/Nm<sup>3</sup></td> </tr> <tr> <td>SO<sub>2</sub></td> <td>0.5 kg/Day</td> </tr> <tr> <td rowspan="2">Thermic Fluid Heater (NSK3)</td> <td rowspan="2">Scrubber</td> <td>NOx</td> <td>50 Mg/Nm<sup>3</sup></td> </tr> <tr> <td>TPM</td> <td>150 Mg/Nm<sup>3</sup></td> </tr> <tr> <td rowspan="2">S-2 to S-8</td> <td rowspan="2">DG set- (7 no x1010KVA)</td> <td rowspan="2">Acoustic Enclosure</td> <td rowspan="2">15.0</td> <td rowspan="2">HSD 1000 Ltr/Hr</td> <td rowspan="2">1</td> <td>SO<sub>2</sub></td> <td>0.5 kg/Day</td> </tr> <tr> <td>NOx</td> <td>50 Mg/Nm<sup>3</sup></td> </tr> <tr> <td rowspan="2">S-2 to S-8</td> <td rowspan="2">DG set- (7 no x1010KVA)</td> <td rowspan="2">Acoustic Enclosure</td> <td rowspan="2">15.0</td> <td rowspan="2">HSD 1000 Ltr/Hr</td> <td rowspan="2">1</td> <td>TPM</td> <td>150 Mg/Nm<sup>3</sup></td> </tr> <tr> <td>SO<sub>2</sub></td> <td>480 kg/Day</td> </tr> </tbody> </table>	Stack no.	Stack attached to	APC system	Ht (m)	Type of fuel	Sulphur content (in %)	Pollutants	Std.	S1	Thermic Fluid Heater (NSK2)	Scrubber	45.0	LSHS /Gas 1.04 kg/hr	1	TPM	150 Mg/Nm <sup>3</sup>	SO <sub>2</sub>	0.5 kg/Day	Thermic Fluid Heater (NSK3)	Scrubber	NOx	50 Mg/Nm <sup>3</sup>	TPM	150 Mg/Nm <sup>3</sup>	S-2 to S-8	DG set- (7 no x1010KVA)	Acoustic Enclosure	15.0	HSD 1000 Ltr/Hr	1	SO <sub>2</sub>	0.5 kg/Day	NOx	50 Mg/Nm <sup>3</sup>	S-2 to S-8	DG set- (7 no x1010KVA)	Acoustic Enclosure	15.0	HSD 1000 Ltr/Hr	1	TPM	150 Mg/Nm <sup>3</sup>	SO <sub>2</sub>	480 kg/Day	<p>We have provided 2 DG set of capacity 62.5 KVA &amp; 500 KVA for construction phase with Acoustic enclosure to the DG set.</p> <p>Correction is required in the no. Of stacks, total 12 stacks are proposed 4 for TFH, 7 nos. for DG sets and 1 no. for incinerator.</p>
Stack no.	Stack attached to	APC system	Ht (m)	Type of fuel	Sulphur content (in %)	Pollutants	Std.																																							
S1	Thermic Fluid Heater (NSK2)	Scrubber	45.0	LSHS /Gas 1.04 kg/hr	1	TPM	150 Mg/Nm <sup>3</sup>																																							
						SO <sub>2</sub>	0.5 kg/Day																																							
	Thermic Fluid Heater (NSK3)	Scrubber				NOx	50 Mg/Nm <sup>3</sup>																																							
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	S-2 to S-8	DG set- (7 no x1010KVA)				Acoustic Enclosure	15.0	HSD 1000 Ltr/Hr	1	SO <sub>2</sub>	0.5 kg/Day																																			
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						SO <sub>2</sub>	480 kg/Day																																							
2	The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there from time to time/ Environmental Clearance / CREP guidelines.	Noted. For Air Pollution Control Scrubbers, Stacks are being provided																																												
3	The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacements well before its life come to an end or erection of new pollution control equipment	Noted and will be complied.																																												
4	The Board reserves its rights to vary all or any of the conditions in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment. other in whole or in part is necessary).	Noted and will be complied.																																												



**Schedule-III**  
**Details of Bank Guarantee**

Sr	Consent (C2E/C2O)/C2R)	Amt of BG imposed	Submission period	Purpose of BG	Compliance Period	Validity Date	Compliance
1	C2E	Rs.25 Lakh	15 days	Towards compliance of consent conditions & EC conditions	31/7/2027	31/8/2028	We have submitted the bank guarantee to MPCB

**BG Forfeiture History**

Sr	Consent (C2E/C2O)/C2R)	Amt of BG imposed	Submission period	Purpose of BG	Compliance Period	Validity Date
N/A						

**BG Return History**

Sr	Consent (C2E/C2O)/C2R)	BG imposed	Purpose of BG	Amount of BG Returned	Compliance Period
N/A					



## Schedule IV

### General Conditions

Sr..	Conditions	Compliance
1	The Energy source for lighting purpose shall preferably be LED based	Noted and will be complied.
2	The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant	Rain water harvesting study completed by M/s. Shintre Geotech and Solutions and implementation is in progress.
3	<b>Conditions for D.G. Set</b>	
	a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.	Will be complied by providing the acoustic enclosures to all the DG sets.
	b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.	We will provide acoustic enclosure for the DG sets and noise reduction will be measured to check for the minimum 25 dB (A) insertion loss or for meeting the ambient noise standards.
	c) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.	Noted and will be complied.
	d) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures	Noted and will be complied.
	e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.	Noted and will be complied.
	f) D.G. Set shall be operated only in case of power failure	Noted and will be complied.





Sr..	Conditions	Compliance
	g) The applicant should not cause any nuisance in the surrounding area due to operation DG sets	Noted and will be complied.
	h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel	Noted and will be complied.
4	The applicant shall maintain good housekeeping	Noted
5	The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.	The non-hazardous solid waste arising in the factory premises, sweepings, etc. will be disposed of scientifically so as not to cause any nuisance/pollution. We will obtain necessary permissions from civic authorities for disposal of solid waste before commissioning.
6	The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.	Noted and will be complied.
7	The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.	Noted and will be complied.
8	The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliances duly supported with documentary evidences (format can downloaded from MPCB official site).	Noted and will be complied.
9	The industry shall submit official e-mail address and any change will be duly informed to the MPCB..	<b>Complied.</b> Email id submitted at MPCB, any change in the same will be duly informed to MPCB.
10	The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended	Noted and will be complied. Ambient Air Quality is being monitored by MoEF approved lab during construction phase on quarterly basis and during operation monthly basis.
11	The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto	Noted.



Sr..	Conditions	Compliance
12	The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof	Noted and will be complied.
13	The PP shall provide personal protection equipment as per norms of Factory Act 1948	We will provide Personal Protective Equipment as per norms of Factory Act
14	Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly	We will start to monitor effluent quality, stack emissions and ambient air quality monthly once the unit is operational.  Ambient air monitoring was done in September 2023, copy of the reports is attached herewith.
15	Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.	Noted & will be complied.
16	The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent	Noted & will be complied.
17	The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment	Noted
18	An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.	Noted and will be complied once the unit is operational.
19	Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).	Noted and will be complied by providing ETP/ STP, separate drains for storm water and trade sewage collection, stacks, scrubbers.
20	Separate drainage system shall be provided for collection of trade and sewage effluents.	We will provide separate drainage system for collection of trade and sewage effluents.



Sr..	Conditions	Compliance
	Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.	
21	Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.	Noted
22	The industry should not cause any nuisance in surrounding area.	PP is not causing any nuisance in surrounding area.
23	The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m	Measures like acoustic enclosure, ear plug, ear muffs will be adopted to keep the noise in in prescribed limits. Noise levels are being monitored by MoEF approved lab. Noise monitoring report is attached.
24	The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day-to-day activities related to Environment and irrigation field where treated effluent is used for irrigation	Environmental Cell will be formed once the unit is in operation.
25	The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.	We will provide identification number S-1 to S-4 for TFH, S-5 to S-11 to 7 nos of DG set & S-12 for incinerator.
26	The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year	Noted
27	The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.	We will comply with the condition
28	The applicant shall bring a minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30 <sup>th</sup> September every year on	We will provide 24,387.00 m <sup>2</sup> green area which is 33% of the total plot area.

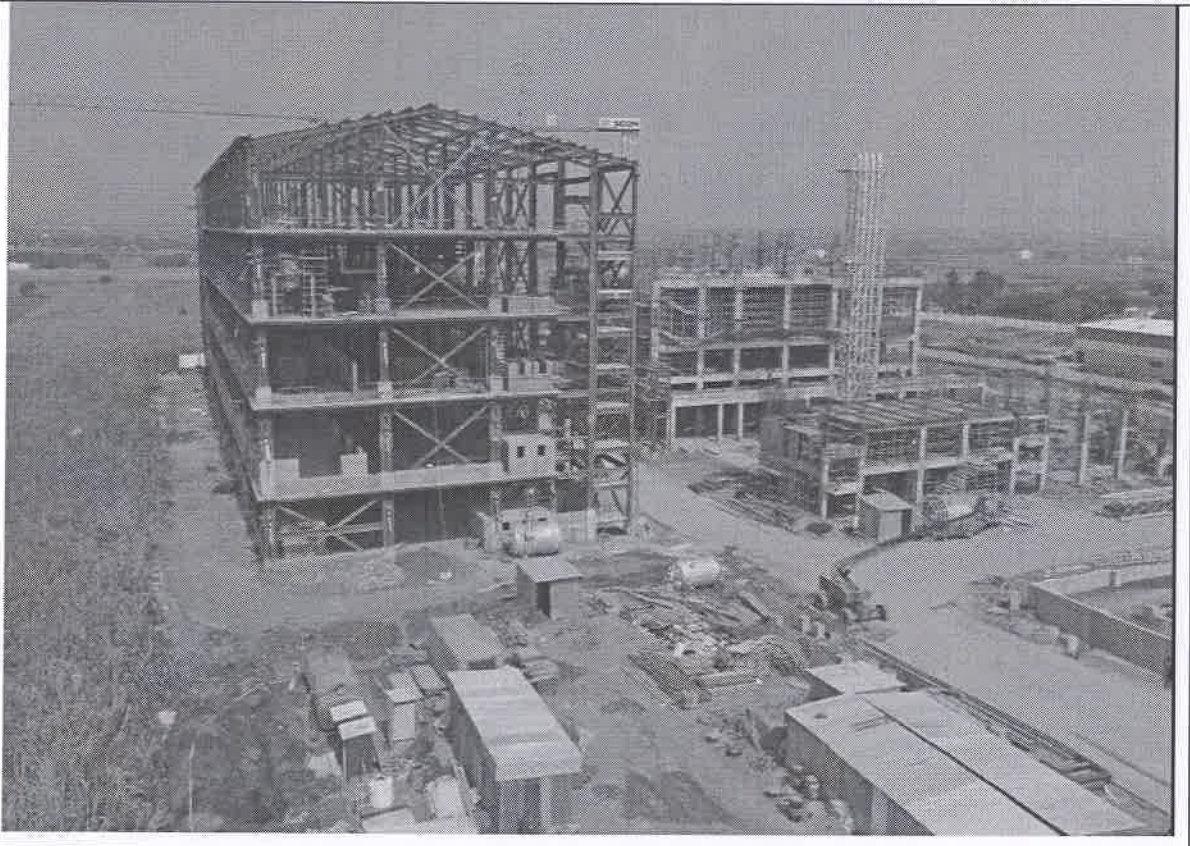


Sr..	Conditions	Compliance
	available open plot area, number of trees surviving as on 31 <sup>st</sup> March of the year and the number of trees planted by September end	
29	The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.	Noted.
30	The firm shall submit to this office, the 30 <sup>th</sup> day of September every year, the Environment Statement Report for the financial year ending 31 <sup>st</sup> March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992	We will submit Form-V on 30 <sup>th</sup> day of September every year.
31	You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.	Noted.
32	The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).	Noted.
33	The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.	Sampling points are being provided to collect the wastes, effluents, air emissions and haz. Waste to board staff.

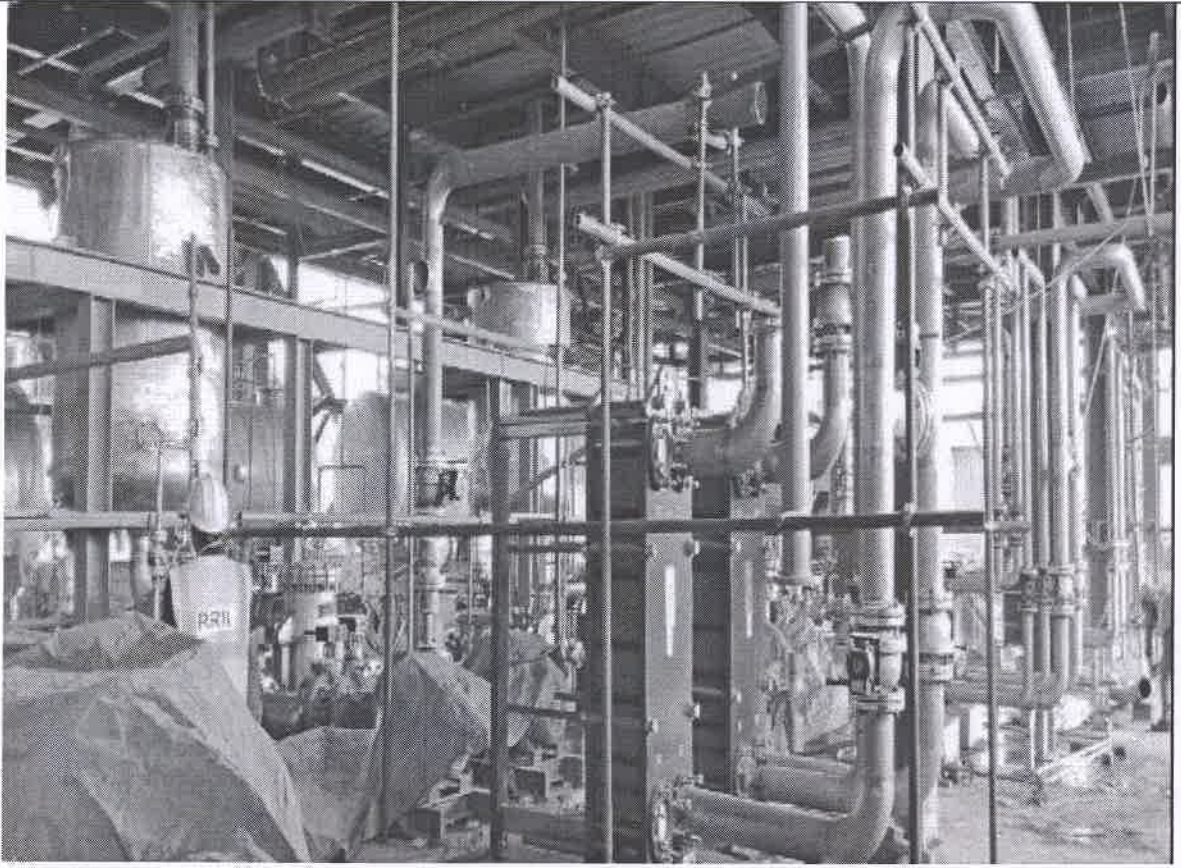
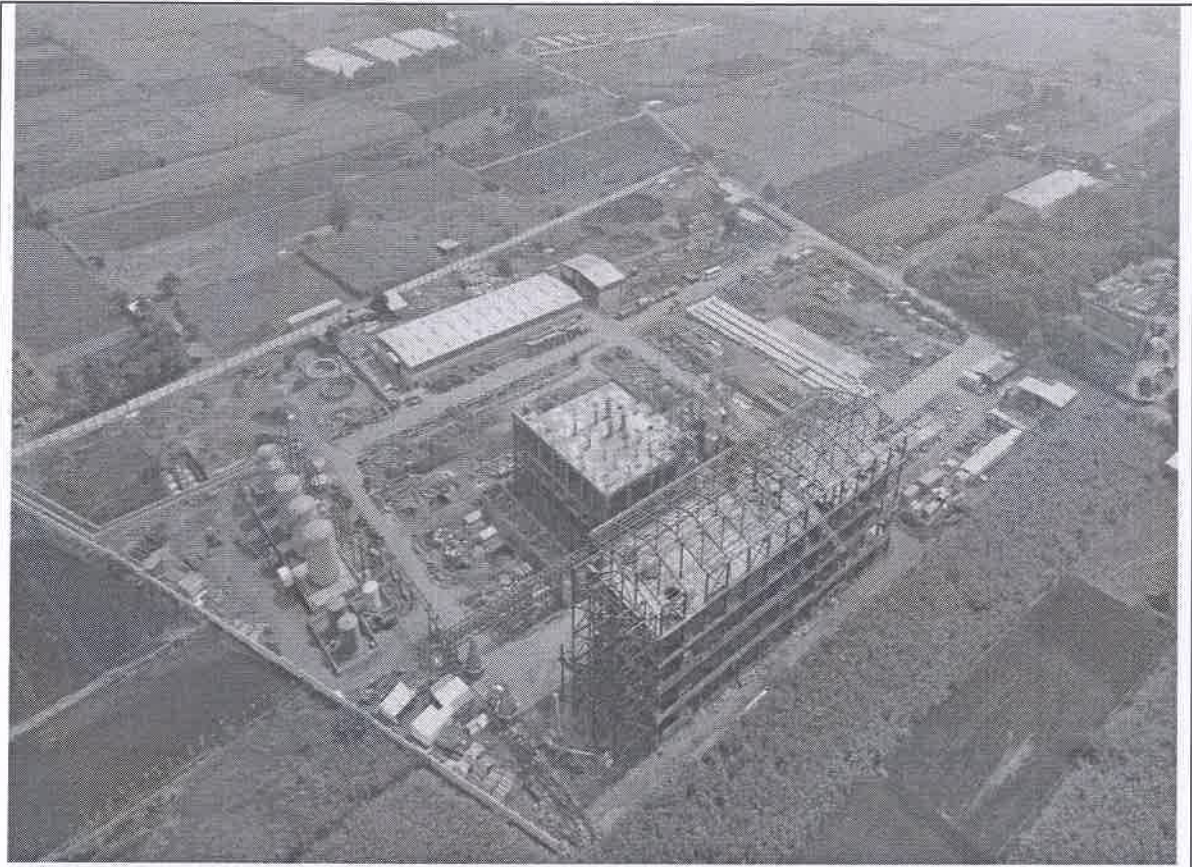




**ANNEXURE -I**  
**Site photographs**



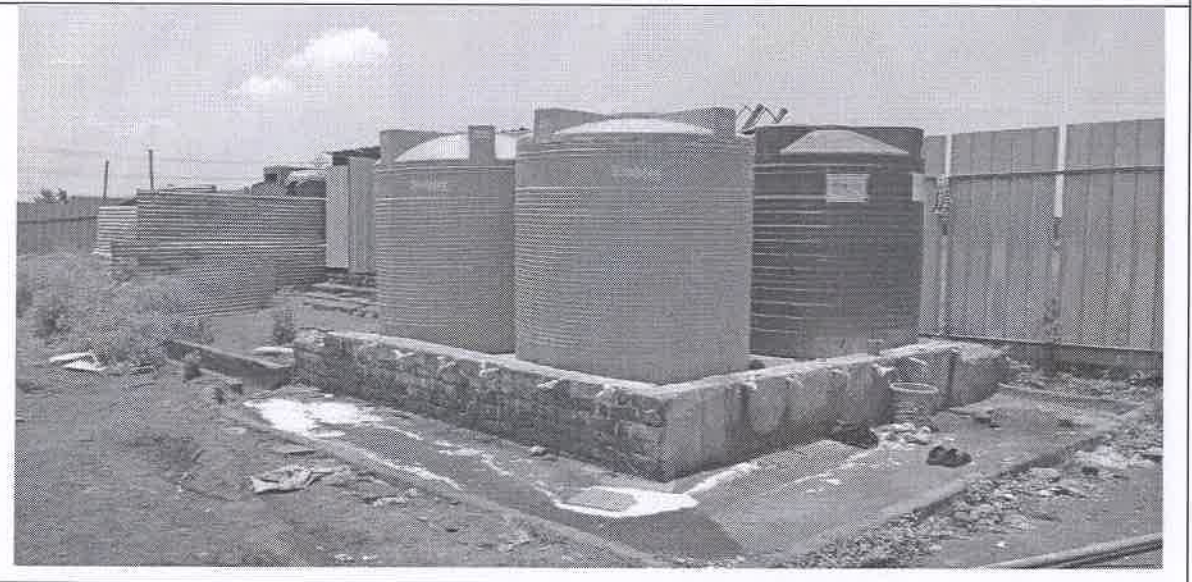










**Labour Camp**



*[Handwritten signature]*

REVALYU RECYCLING (INDIA) LIMITED  
Avankhed  
Dindori,  
Mushik-  
422202

	
<p><b>Well</b></p>	<p><b>LPG cylinder and cooking tools</b></p>

*AS*







Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment  
Authority(SEIAA), Maharashtra)

To,

The CEO  
POLYGENTA TECHNOLOGIES LIMITED

Polygenta Technologies Limited, Gat No. 265/1, 266, Village Avankhed,  
Taluka Dindori, District Nashik -422202

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity  
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)  
in respect of project submitted to the SEIAA vide proposal number  
SIA/MH/IND2/251563/2022 dated 01 Apr 2022. The particulars of the environmental  
clearance granted to the project are as below.

- |   |  |
|---|--|
| 1. EC Identification No.                      | EC22B019MH116596   |
| 2. File No.                                   | SIA/MH/IND2/251563/2022  |
| 3. Project Type                               | New  |
| 4. Category                                   | B2   |
| 5. Project/Activity including<br>Schedule No. | 5(d) Manmade fibres manufacturing  |
| 6. Name of Project                            | Application for Environment Clearance of<br>PET Recycling and manufacturing of<br>91,250 TPA PET products (Recycled PET<br>chips, Recycled Oligomer, Partially<br>Oriented Yarn, Fully drawn Yarn) and<br>Recovery of 73,000 TPA of Mono<br>Ethylene Glycol used in PET Recy |
| 7. Name of Company/Organization               | POLYGENTA TECHNOLOGIES LIMITED   |
| 8. Location of Project                        | Maharashtra  |
| 9. TOR Date                                   | N/A  |

The project details along with terms and conditions are appended herewith from page  
no 2 onwards.

Date: 17/08/2022

(e-signed)  
Manisha Patankar Mhaikar  
Member Secretary  
SEIAA - (Maharashtra)

*Note: A valid environmental clearance shall be one that has EC identification  
number & E-Sign generated from PARIVESH. Please quote identification  
number in all future correspondence.*

*This is a computer generated cover page.*

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environmental Single-Window Hub)



**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY**

No. SIA/MH/IND2/251563/2022  
Environment & Climate Change  
Department  
Room No. 217, 2<sup>nd</sup> Floor,  
Mantralaya, Mumbai- 400032.

To  
M/s.Polygenta Technologies Ltd,  
Gat No. 48, 49/1, 49/2, Village Avankhed,  
Taluka Dindori, Dist. Nashik

**Subject** : Environmental Clearance for Application of PET Recycling and manufacturing of 91,250 TPA PET products (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully drawn Yarn) and Recovery of 73,000 TPA of Mono Ethylene Glycol used in PET Recycling at Gat No. 48, 49/1, 49/2, Village Avankhed, Taluka Dindori, Dist. Nashik by M/s.Polygenta Technologies Ltd

**Reference** : Application no. SIA/MH/IND2/251563/2022

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC-1 in 224<sup>th</sup> meeting under screening category 5 (d) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 246<sup>th</sup> (Day-3) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. **Brief Information of the project submitted by you is as below:-**

Sr.	Particulars Required	Details															
1	Name of the project & Address along with all corner latitude and longitude	Application for Environment Clearance of PET Recycling and manufacturing of 91,250 TPA PET products (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully drawn Yarn) and of 73,000 TPA of Mono Ethylene Glycol used in PET Recycling at Gat No. 48, 49/1,49/2, Village Avankhed, Taluka Dindori, Dist. Nashik-422202 by Polygenta Technologies Limited <table border="1"><tbody><tr><td>Corner 1</td><td>Lat</td><td>20°14'8.20 N</td></tr><tr><td></td><td>Long</td><td>73°50'59.06"E</td></tr><tr><td>Corner 2</td><td>Lat</td><td>20°13'55.98"N</td></tr><tr><td></td><td>Long</td><td>73°50'56.96"E</td></tr><tr><td>Corner</td><td>Lat</td><td>20°13'59.70"N</td></tr></tbody></table>	Corner 1	Lat	20°14'8.20 N		Long	73°50'59.06"E	Corner 2	Lat	20°13'55.98"N		Long	73°50'56.96"E	Corner	Lat	20°13'59.70"N
Corner 1	Lat	20°14'8.20 N															
	Long	73°50'59.06"E															
Corner 2	Lat	20°13'55.98"N															
	Long	73°50'56.96"E															
Corner	Lat	20°13'59.70"N															



		3	Long	73°50'49.08"E
		Corner	Lat	20°14'7.35"N
		4	Long	73°50'51.04"E
2	Type of Organization (Private / Government/ Semi Government etc.)	Private		
3	Correspondence Address and contact details of Project Proponent	Name	Mr. Makarand Kulkarni	
		Address	Gat No:265/1,266, Village Avankhed, Taluka: Dindori, Dist: Nashik Pin 422002	
		Tel.	02557-228182	
		Mobile no.		
		Email id	mkulkarni@polygenta.com	
4	Type of project (ToR/ EC/ Amendment in ToR/ Amendment in EC/ Revalidation/ Expansion/ Process change etc.)	Fresh EC		
5	Category of project as per EIA Notification 2006 amended from time to time (Pl. mention category A, B, B1, B2 etc. whichever is applicable)	5(d) B2		
6	If earlier ToR is obtained pl. mention details (ToR letter No. & Date, SEAC/EAC Meeting No.)	Not Applicable		
7	If earlier EC is obtained pl. mention EC Number & Date	Not Applicable		
8	Whether the proposal is a violation case (yes/no)	No		
9	Applicability of CRZ clearance (yes / no)	No		
10	Whether General /Specific Conditions are applicable to the project (Yes/No) If yes pl. give details	No		
11	Whether Scrutiny fees paid as per SEIAA guidelines (Yes/ No); If yes pl give payment details	The Scrutiny fee was paid on 05.10.2021 vide UTR. No.: RATNN21278556687		
12	Name of accredited Environmental Consultant & address along with Accreditation No. & Validity	1	Name	Envision Environmental Services
			Accreditation no.	QCI/NABET/ENV/ ACO/20/1212
		2	Name	Mahabal Enviro

					Engineers Pvt. Ltd.		
				Accreditation no.	NABET/EIA/1821/0160		
1 3	Name of layout plan approving Authority	Town planning-Nashik					
1 4	Estimated cost of Project (in Rs. Lakhs)	Rs.49000 lakhs					
1 5	Area of project (in Sq.m.)	Plot area:	73,900 m <sup>2</sup>				
		Construction Area:	46,986.78 m <sup>2</sup>				
1 6	Whether 33% green belt is provided (Yes/No)	Yes					
1 7	Area of Green Belt & No. of trees in the proposed project in Sq.m. (Pl. provide 2000 trees per hectare of green belt area)	24,387 m <sup>2</sup> of green belt area has been proposed. There 4,877 no. of Proposed trees					
1 8	Width of internal roads and turning radius	Internal roads width: 12 m Turning radius: 7.5 m					
1 9	Details of proposed construction					4	
		Total Built-up Area m <sup>2</sup>					
		No. of Buildings & its height in m.					
2 0	<b>List of Raw materials &amp; Storage Details (Pl. add on in the list if necessary)</b>						
	Sr	Name of the Raw Material	Consumption Mt/month	Maximum storage details	Hazard Category	Proposed precautions to prevent Accident	Remarks
	1.	PET Flakes	7,984.4	-	Non-Hazardous	-	-
	2.	Virgin Ethylene Glycol	289	-		Avoid contact with skin, eyes, and clothing	-
	3.	Catalyst (Antimony trioxide/ Tri-Glycolate)	1.36	-	Category 2	Avoid contact with skin, eyes, and clothing	-
	4.	Titanium Dioxide - TiO <sub>2</sub> (Dulling Agent)	23.34	-	Non-Hazardous	Ensure Adequate ventilation . Avoid dust formation	-



5.	Global PRT Blue (BT)	0.525	-	Non-Hazardous	Avoid contact with skin, eyes, and clothing	-
6.	Global PRT Red (RT)	0.3	-	Non-Hazardous	Avoid contact with skin, eyes, and clothing	-
7.	Cetile-545	10.74	-	Category 2	Avoid contact with skin, eyes, and clothing	-
8.	Caustic	3.65	-	Category 4	-	-
9.	Orthophosphoric Acid (OPA)	0.60	-	Category 4	Avoid contact with skin, eyes, and clothing	-
10.	Spin Finish Oil	8.10	-	-	-	-

**2 Production Details**

Sr.	Name of product	Existing capacity Mt/month	Proposed Capacity Mt/month	Total Capacity Mt/month	Name of Products approving authority (like FDA of pharmaceutical etc.)
1.	PET product (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully drawn Yarn)	0	7,604	7,604	NA
2.	Co-Product Residue from Ethylene Glycol Recovery Plant	0	304	304	NA
<b>Total</b>			<b>7,908</b>	<b>7,908</b>	<b>NA</b>

**2 Water consumption & Effluent generation (All units in CMD)**

- 2 (i) Source & Quantity of water requirement (in CMD): Ozarkhed Dam, Nashik  
 (ii) Water supply permission obtained (Yes/No) & approving Authority: Irrigation Department

	Particulars	Consumption (CMD)			Loss (CMD)			Effluent Generation (CMD)		
		Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
	Industrial Process	0	120	120	0	24	24	0	96	96
	Industrial Cooling	0	320	320	0	0	0	0	0	0
	Boiler	0			0	0	0	0	0	0
	Domestic Purpose	0	40	40	0	4	4	0	36	36
	Green Belt	0	122	122	0	0	0	0	0	0
	Other (Specify if any)	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>0</b>	<b>600</b>	<b>600</b>	<b>0</b>	<b>28</b>	<b>28</b>	<b>0</b>	<b>132</b>	<b>132</b>
2 3	Quantity of sewage generation (in CMD)						36 m <sup>3</sup> /day			
2 4	Details of Sewage Treatment and Disposal of treated sewage						The sewage generated will be treated in the proposed Sewage Treatment Plant (STP) of 40 m <sup>3</sup> /day of capacity.			
2 5	<b>Detail of Effluent Generation (unit CMD)</b>									
	<b>Particulars</b>						<b>Existing</b>	<b>Proposed</b>	<b>Total</b>	
	a) Quantity of Effluent generation: (CMD)						0	96	96	
	b) Quantity of high TDS/COD effluent (CMD)						0	0	0	
	c) Quantity of low TDS/COD effluent (CMD)						0	0	0	
2 6	Whether Zero liquid Discharge Effluent Treatment is proposed (Yes/No)						Yes			
2 7	Brief Description of Effluent Treatment scheme						The raw effluent from the Softener Regeneration is generated twice a week & effluent from the wash line, Continuous Poly, POY and other process effluents are generated on a daily basis. These are collected in sump tanks & pumped to the Effluent Treatment plant for primary, secondary and Tertiary treatments so as to meet			



		MPCB norms.				
2 8	Qty of treated effluent proposed to be sent to CETP (pl. mention Name of CETP and its membership Details)	Nil				
2 9	Please mention parameters of treated effluent to be achieved as per EP Rule,1986 and or stipulated by the SPCB					
	<b>Parameters</b>	<b>Inlet concentration (mg/L)</b>	<b>Outlet concentration (mg/L)</b>			
	pH	3-4	6.5-8.5			
	TSS	700	<100			
	TDS	10000	<500			
	COD	3000	<100			
	BOD	10000	<250			
	Heavy metals	-	-			
	Benzene	-	-			
	Other if any	-	-			
3 0	Brief Note on proposed Rainwater harvesting scheme along with budget allocation:	Total 60 nos. of recharge Pits are proposed. 45 nos. with 16 m depth and 15 with 25 m of depth with 150 mm diameter. Capital Cost: Rs.30 Lakhs O&M Cost: Rs.1 Lakhs				
3 1	Solid Waste management					
	Sr.	Type of waste	Quantity Mt/month	Source of Generation	Disposal methods	Pl. mention plan to reduce solid waste generation if any
	1	Polymer lumps	101.33	Process	Sold to Authorized Recycler	-
	2	Monomer	1.00	Process	Sold to Authorized Recycler	-
	3	Label & pieces of labels of PVC	3.04	Process	-	-
	4	PET Mud & Dirt	30.41	Process	Sold to Authorized Recycler	-
	5	HDPE/PP lines Bags	0.50	Process	Sold to Authorized Recycler	-
	6	Empty plastic chemical cans/bags	0.50	Process	Sold to Authorized Recycler	-

	7	Triethylene Glycol	2.02	Process	Sold to Authorized Recycler			
	8	Sweeping PET Chips	10.13	Process	Sold to Authorized Recycler			
<b>3</b>	<b>Hazardous Waste Generation &amp; Disposal (As per HW Rule 2016)</b>							
<b>2</b>	<b>Sr.</b>	<b>Cat e-gory</b>	<b>Particula rs</b>	<b>Source of Generatio n (please include Name of Product)</b>	<b>Existing Quantity of generati on Mt/mont h</b>	<b>Propose d Quantity &amp; generati on Mt/mont h</b>	<b>Total Quantity &amp; generati on Mt/mont h</b>	<b>Method &amp; Disposal as per HW Rules 2016</b>
	1	1.4	Organic residue [Waste chemicals (lab chemicals + Resins)]	Chemical Lab Activities	-	200.775 (L/M)	200 (L/M)	CHWTS DF
	2	5.1	Used / spent oil [Waste oil]	Equipment Maintenance	-	3.04	3.04	CHWTS DF
	3	5.2	Wastes / residue/ Containin g oil [Oily cotton waste & hand gloves]	Equipment Maintenance	-	0.30	0.30	Sale to authorize d recycler
	4	34.3	Chemical sludge from waste water treatment [Chemica l sludge from ETP]	ETP operation	-	15.20	15.20	CHWTS DF
	5	35.3	Spent	Operation	-	10.13	10.13	CHWTS



		carbon/Ash collected from boilers chimney [Filter Cake (carbon+clay)]	of Thermic fluid heater and Steam Boiler				DF
6	28.1	Glass Wool (Insulation material)			1.00	1.00	CHWTS DF

**3 Fuel Consumption**

Sr.	Type of Fuel	Consumption Quantity (TPD)			Use d for (Boiler/DG Set etc.)	Ash%			SO <sub>2</sub>			Air pollution control/ equipment provided (Yes/ No)	
		Existing	Proposed	Total		Existing	Proposed	Total	Existing	Proposed	Total		
1	LHS Gas	0	25 KLD	25 KLD	Thermic Fluid Heater	0	0.4	0.4	0	43.71	43.71	kg/day	Yes
2	HS D	0	24 KLD	17 KLD	DG Set	0	0	0	0	1.29	1.29	kg/day	Yes

3 Brief Note on Air Pollution Control equipment's

Stack are proposed.  
All equipment designed to ensure CPCB norms

Sr.	Section/ Unit	Source pollutions	Stack No.	Stack height	Height from ground	Internal Diameter (inch)	Temperature of exhaust gas
1	Thermic fluid	LSHS/Gas	1,2	45	45	32	200°C

	Heater (NSK2)						
2	Thermic fluid Heater(NSK3)	LSHS/Gas	3,4	45	45	32	200°C
3	Diesel Generator (DG-1)	HSD	5	15	20	10	220°C
4	Diesel Generator (DG-2)	HSD	6	15	20	10	220°C
5	Diesel Generator (DG-3)	HSD	7	15	20	10	220°C
6	Diesel Generator (DG-4)	HSD	8	15	20	10	220°C
7	Diesel Generator (DG-5)	HSD	9	15	20	10	220°C
8	Diesel Generator (DG-6)	HSD	10	15	20	10	220°C
9	Diesel Generator (DG-7)	HSD	11	15	20	10	220°C
10	Incinerator	Residue of EG Recovery plant	12	15	20	10	200°C
3	<b>Energy</b>						
6	a) Source of power Supply:	MSEDCL					
	b) Maximum Demand (KVA):	4,500 kVA					
	c) whether DG sets will be provided (Yes/No):	Yes		if yes:			
	<b>Sr.</b>	<b>No. of DG Sets</b>			<b>Capacity</b>		
		<b>Existing</b>		<b>Proposed</b>			
	1	0		7 no x 1010 kVA		7 no x 1010 kVA	
	d) Please Mention if high tension line is passing through the plot: <b>Yes/No</b>						
	If yes, pl. give details of safety measures adopted: <b>Not Applicable</b>						
3	<b>Details of use of renewable energy with budget allocation</b>						
7	i.	Total Energy Demand			4,500 kVA		
	ii.	Proposed renewable energy source capacity			800 KVA		
	iii.	Proposed Budget (in Rs. Lakhs)			Rs.400 Lakhs		
	iv.	Timeline for implementation			4 years		
3	<b>Details of public hearing (if applicable):</b>						
8	i) Place of public hearing: <b>Not Applicable</b>						
	ii) Date of public hearing: <b>Not Applicable</b>						



Please fill following details						
Sr.	Issue raised during public hearing	Application plan for its compliance/ implementation	Budget allocation for implementation	Specific time line of compliance		
	Not Applicable	Not Applicable	Not Applicable	Not Applicable		
3 9	EMP (Please mention specific items proposed in EMP along with specific timeline for its implementation)					
<b>Construction Phase</b>						
Sr.	Attribute	Specific measure	Budget in (Rs. lakh)	Remark		
1	Air	Water sprinkling for dust	2	-		
2	Water	Septic tank for workers	5	-		
3	Noise	Ear-Muffs, Ear plugs, Acoustic enclosures	5	-		
4	Soil	-	0	-		
5	Solid waste	-	2	-		
6	Hazardous waste	-	0.5	-		
7	Fuel & Energy	-	5	-		
8	Safety & Health	Health Checkup & first aid, Safety jacket, Safety shoes, Safety Helmet, Safety belt	2	-		
9	Environmental monitoring & management	Air, water, noise and soil monitoring	2	-		
10	Green belt development	Tree plantation	7	-		
	<b>Total</b>		<b>30.5</b>	<b>-</b>		
<b>Operation Phase</b>						
Sr.	Attributes	Specific measures	Budget in Rs. Lakh	Timeline for 1/5 implementation	Responsibility	Remarks
1	Air	Pollution control devices	75	1 Year	-	-
2	Water	STP of 40 m <sup>3</sup> /day and ETP of 100 m <sup>3</sup> /day	100	1 year	-	-
3	Noise	Ear-Muffs, Ear plugs, Acoustic enclosures	10	6 Month	-	-
4	Soil		20	-	-	-



5	Solid waste		50	-	-	-
6	Hazardous waste		60	-	-	-
7	Fuel & Energy		75	-	-	-
8	Safety & Health	Health Checkup & first aid, Safety jacket, Safety shoes, Safety Helmet, Safety belt	20	-	-	-
9	Rainwater harvesting		30	-	-	-
10	Implementation of recommendations of LCA		-	-	-	-
11	Implementation recommendation HA20P/ Risk Assessment		-	-	-	-
12	Any other please specify	Environmental monitoring & management	25	-	-	-
	<b>Total</b>		<b>465</b>	<b>-</b>	<b>-</b>	<b>-</b>
40	Other Relevant Information: (Pl. provide brief note on proposed project)	<p>Polygenta Technologies Ltd. is proposing Environmental Clearance for the proposed PET Recycling and manufacturing facility for PET products (Recycled chips, PET Polymer, POY Chips/ Poly Flakes/ POY/ DTY/ FDY) &amp; Ethylene Glycol at Gat No 48,49/1,49/2 Village Avankhed, Taluka Dindori, Dist. Nashik- 422 202</p> <p>Polygenta Technologie Limited is a leading recycler of PET waste (such as bottles, packaging, polyester garments) and manufacturer of PET based products from the recycled material such as Polyester Filament Yarn (PFY) (i.e. a high-grade polyester) using post-consumer waste PET bottles as its feedstock.</p>				
4	Details of skill development program within	-				

1	Organization	
4 2	Details of environmental Monitoring Cell (Pl. provide organogram with educated Qualification and experience)	Polygenta Technologies Limited has Environment monitoring cell developed for environmental monitoring, analysis and control of all possible sources due to the proposed project. The team is headed by a senior management executive and constitutes environmental engineers and chemists. Basically, this department supervises the monitoring of environmental pollution levels viz: source emission monitoring, ambient air quality, water and effluent quality, noise level either departmentally or by appointing external agencies wherever necessary. The EMC also coordinates for all the related activities such as collection of statistics of health of workers and population of the region, afforestation and greenbelt development
4 3	Details of court cases if pending in any Hon'ble court	Not Applicable

3. The proposal has been considered by SEIAA in its 246<sup>th</sup> (Day-3) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

**Specific Conditions:**

**SEAC Conditions-**

1. PP to provide green belt all along the periphery of the plot and submit revised lay out plan showing internal roads with six meter width and nine meter turning radius, provision of cul-de-sac at dead ends of the internal roads if any, location of pollution control equipment, parking areas, 33% green belt with its dimensions, rain water harvesting structures (locations with dimensions), storm water drain lines, along with index and area statement showing calculations for each area and cross sections of storm water drain and rain water harvesting pits etc.
2. PP agreed to provide Zero Liquid Discharge Effluent Treatment Plant. PP proposes to provide Zero Liquid Discharge Effluent Treatment Plant. PP to ensure no waste water be discharge outside the premises. PP to explore possibility to assess techno-economic feasibility of using technology for MEE such as low temperature/mechanical vapour compressor etc. so as to reduce operation cost and use of natural resources



3. PP to identify the sources of odour and implement corrective measures to avoid odour nuisance.
4. PP informed that, all VOC's generated from the process will be taken to the Thermal Fluid Heater in closed loop and will be burnt. PP to include VOC as a monitoring parameter to ascertain no VOC's are escaping in the environment.
5. PP to ensure to utilize CER fund before the commissioning of the manufacturing activity in consultation with the District Collector.
6. PP to provide Online Continuous Monitoring System connected to the servers of CPCB and MPCB.
7. PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity. PP agreed to conserve all trees exists on site.
8. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.
9. PP to provide sliding gate at entry and exit to achieve maximum turning radius of vehicle entering the site.
10. PP to use solar energy for illumination of office building, street light and parking areas.

#### **SEIAA Conditions**

1. PP submitted ADTP plan dated 03.06.2022. As per the said plan total plot area is 73,900.00 m<sup>2</sup> and green belt area provided is 24,387.00 m<sup>2</sup> i.e. 33 % of total plot area.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not



less than 50 % of the total fuel requirement to the boiler.

11. PP to provide roof top Rain Water Harvesting facility.

12. PP to ensure that proposed project is ZLD.

**General Conditions:**

- I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>
- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1<sup>st</sup> June & 1<sup>st</sup> December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
- X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- XII. The Environmental Statement for each financial year ending on 31<sup>st</sup> March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along



with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

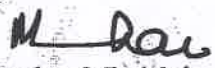
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1<sup>st</sup> Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
Manisha Patankar-Mhaiskar  
(Member Secretary, SEIAA)

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Nashik
7. Regional Officer, Maharashtra Pollution Control Board, Nashik

**Signature valid**

Digitally signed by Manisha  
Patankar Mhaskar  
Member Secretary

Date: 8/17/2022 6:08:39 AM



# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R47)  
No:- Format1.0/CAC/UAN  
No.0000135869/CE/2209001095

Date: 17/09/2022

To,  
M/s. Polygenta Technologies Ltd. (Plant no 2)  
Gat No. 48, 49/1, 49/2 ,Village Dindori, District Nashik



Your Service is Our Duty

**Sub: Grant of Consent to Establish under Red/LSI**

**Ref: Minutes of Consent Appraisal Committee meeting held on 28/7/2022**

Your application No.MPCB-CONSENT-0000135869 Dated 05.04.2022

For: grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

- The consent to establish is granted for a period up to commissioning of the unit or up to 5 year whichever is earlier.**
- The capital investment of the project is Rs.490 Crs. (As per C.A Certificate submitted by industry )**
- Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Pet chips (Recycled PET chips, Recycled Oligomer, Partially Oriented Yarn, Fully drawn Yarn)	91250	MT/A

- Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	96	As per Schedule-I	On land for gardening
2.	Domestic effluent	36	As per Schedule-I	On land for gardening

- Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Thermic Fluid Heater (NSK2) & Thermic Fluid Heater (NSK3)	1	As per Schedule -II

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
2	S-2 to S-8	DG set (7 no x 1010 kVA)	7	As per Schedule -II

**6. Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Polymer lumps	1216	MT/A	Sale	Sale to authorized party
2	Monomer	12.1	MT/A	Sale	Sale to authorized party
3	Label & pieces of labels of PVC	36.5	MT/A	Sale	Sale to authorized party
4	PET Mud & Dirt	365	MT/A	Sale	Sale to authorized party
5	HDPE/PP lines Bags	6.08	MT/A	Sale	Sale to authorized party
6	Sweeping PET Chips	121.6	MT/A	Sale	Sale to authorized party

**7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	1.4 Organic residues	2433.3	Ltr/A	Incineration	CHWTSDF
2	5.1 Used or spent oil	36.5	MT/A	Incineration/ Recycle	Sale to authorised party / CHWTSDF
3	5.2 Wastes or residues containing oil	3.65	MT/A	Incineration/ Recycle	Sale to authorised party / CHWTSDF
4	35.3 Chemical sludge from waste water treatment	182.5	MT/A	Landfill	CHWTSDF
5	36.2 Spent carbon or filter medium	121.6	MT/A	Incineration	CHWTSDF
6	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	6.08	MT/A	Incineration/ Recycle*	Sale to authorised party / CHWTSDF
7	Triethylene Glycol	24.3	MT/A	Incineration/ Recycle*	Sale to authorised party / CHWTSDF
8	Residue from Ethylene Glycol Recovery Plant	121.6	MT/A	Incineration/ Recycle*	Sale to authorised party / CHWTSDF

**\* Sale to Authorized Party having permission under Rule 9 of H&OW Rule**

- The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.

10. The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto. As per Para 2 of EIA notification dated- 14.09.2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated- 19/08/2010, fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s) & acquisition of land not be treated as an effective step.
11. Industry shall dispose the Hazardous Waste as per the provisions of Rule
12. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
13. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/Activity.
14. This consent is issued as per the minutes of Consent Appraisal Committee meeting held on 28/7/2022



*Ashok Shingare*

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c9d7aa2d

Signed by: Ashok Shingare  
Member Secretary  
For and on behalf of,  
Maharashtra Pollution Control Board  
ms@mpcb.gov.in  
2022-09-17 23:21:10 IST

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	980000.00	MPCB-DR-11571	20/04/2022	NEFT

**Copy to:**

1. Regional Officer, MPCB, Nashik and Sub-Regional Officer, MPCB, Nashik  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai



### **SCHEDULE-I**

#### **Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have proposed to provide Effluent Treatment Plant (ETP) of designed capacity of 100.00 CMD consisting of Primary (Collection tank, Neutralization tank, Equalization tank, Flash mixer, Primary Clarifier/Primary Settling Tank), Secondary (Activated sludge process), Tertiary (Pressure sand filter, Activated carbon filter), Sludge treatment (Sludge drying bed) for the treatment of 96 CMD of trade effluent.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

<b>Sr.No</b>	<b>Parameters</b>	<b>Limiting concentration not to exceed in mg/l, except for pH</b>
(1)	pH	6.0 -8.5
(2)	BOD (3 days 27°C)	30
(3)	COD	250
(4)	TSS	100
(5)	Oil & Grease	10
(6)	Total Dissolved Solids	2100
(7)	Chlorided	600
(8)	Sulphate	1000

- C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
- D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be used on land for gardening within premise after confirming above standards. In no case, effluent shall find its way outside factory premises.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 40 CMD for the treatment of 36 CMD of sewage.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

<b>Sr.No</b>	<b>Parameters</b>	<b>Standards (mg/l)</b>	
1	Suspended Solids	Not to exceed	50 mg/l
2	BOD 3 days 27°C	Not to exceed	30 mg/l
3	COD	Not to exceed	100 mg/l

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be used on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

<b>Sr. No.</b>	<b>Purpose for water consumed</b>	<b>Water consumption quantity (CMD)</b>
1.	Industrial Cooling, spraying in mine pits or boiler feed	320.00
2.	Domestic purpose	40.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	120.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

**SCHEDULE-II****Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have proposed to provide the Air pollution control (APC) system and also to erect following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1	Thermic Fluid Heater (NSK2)	Scrubber	45.00	LSHS/Gas 1.04 Kg/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	0.5 Kg/Day
						NOx	50 Mg/Nm <sup>3</sup>
	Thermic Fluid Heater (NSK3)	Scrubber				TPM	150 Mg/Nm <sup>3</sup>
						SO2	0.5 Kg/Day
						NOx	50 Mg/Nm <sup>3</sup>
S-2 to S-8	DG set (7 no x 1010 kVA)	Acoustic Enclosure	15.00	HSD 1000 Ltr/Hr	1	TPM	150 Mg/Nm <sup>3</sup>
						SO2	480 Kg/Day

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



**SCHEDULE-III**  
**Details of Bank Guarantees:**

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	C to E	25 Lakh	15 Days	Towards compliance of Consent Conditions	31/7/2027	31/8/2028

**BG Forfeiture History**

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

**BG Return details**

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

**SCHEDULE-IV**  
**General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act 1948
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.



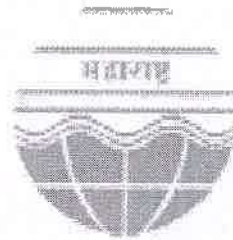
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. You shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

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This certificate is digitally & electronically signed.

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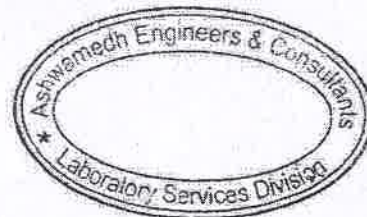
ULR-TC550923000016997F

**TEST REPORT**

Sample ID : W/09/23/0408	Report No. W/09/23/0408	Report Date	04/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> (Formerly known as Polygenta Technologies Limited) Gat No. 48, 49/1, 49/2, Village Avankhed, Tal. Dindori, Dist. Nashik-422202, Maharashtra		
Sampling done by	Laboratory Representative (Mr. Dhananjay Jagtap)	Sample Description / Type	Drinking Water
Sampling Location	Construction Site-Cooler Outlet	Date - Sampling	29/09/2023
Sample Quantity / Packing	5 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	29/09/2023
Sampling Procedure	IS 1622:1981 & IS 3025(Part 1):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	29/09/2023
Order Reference	P.O. No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date - Completion of Analysis	03/10/2023

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
<b>Chemical Testing; Group: Water, Residues in Water</b>					
<b>Organoleptic and Physical Parameters</b>					
1	Colour	1	Max. 5	Hazen Units	IS 3025 (Part 4):1983
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.78	6.5-8.5	-	IS 3025 (Part 10):1983
4	Turbidity	BLQ (LOQ:0.2)	Max.1	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	190	Max.500	mg/L	IS 3025 (Part 16):1984
<b>General Parameters concerning substances undesirable in excessive amounts</b>					
6	Calcium (as Ca)	29.6	Max.75	mg/L	IS 3025 (Part 40):1991
7	Chloride (as Cl)	17	Max. 250	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	0.2	Max. 1	mg/L	IS 3025 (Part 60):2008
9	Iron (as Fe)	BLQ (LOQ:0.06)	Max.1	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
10	Magnesium (as Mg)	17	Max.30	mg/L	IS 3025 (Part 46):1994
11	Nitrate (as NO <sub>3</sub> )	5.16	Max.45	mg/L	APHA, 23rd Ed., 4500-NO <sub>3</sub> .B-4-127: 2007
12	Sulphate (as SO <sub>4</sub> )	16.6	Max. 200	mg/L	IS 3025 (Part 24)
13	Total Alkalinity (as CaCO <sub>3</sub> )	130	Max.200	mg/L	IS 3025(Part 23):1986
14	Total Hardness (as CaCO <sub>3</sub> )	144	Max.200	mg/L	IS 3025 (Part 21):1983
<b>Biological Testing; Group: Water</b>					
<b>Bacteriological Parameters</b>					
15	<i>Escherichia coli</i>	Absent	Not Detectable	/100 ml	IS 15185: 2016
16	Total Coliforms	Absent	Not Detectable	/100 ml	IS 15185: 2016
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification Remark: The analysed Water Sample results conform with Acceptable Limit as per IS 10500:2012 [With Amendment No.1,2,3 and 4] Standard with respect to the parameters tested.					


Sonali Kapse  
Section In-Charge (Biological)  
Reviewed & Authorised by



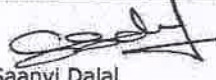
Saanvi Dalal  
Section In-charge (Chemical)  
Reviewed & Authorised by

ULR-TC550923000016997F

Sample ID : W/09/23/0408	Report No. W/09/23/0408	Report Date	04/10/2023
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Sonali Kapse  
Section In-charge (Biological)  
Reviewed & Authorised by



  
Saanvi Dalal  
Section In-charge (Chemical)  
Reviewed & Authorised by

**Note:**

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4. There are no additions to, deviations or exclusions from the method.





ULR-TC550923000016998F

**TEST REPORT**

Sample ID : W/09/23/0409	Report No. W/09/23/0409	Report Date	04/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> (Formerly known as Polygenta Technologies Limited) Gat No. 48, 49/1, 49/2, Village Avankhed, Tal. Dindori, Dist. Nashik-422202, Maharashtra		
Sampling done by	Laboratory Representative (Mr. Dhananjay Jagtap)	Sample Description / Type	Ground Water
Sampling Location	Well (Mr. Balasaheb Nivrutti Jadhav)	Date - Sampling	29/09/2023
Sample Quantity / Packing	5 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	29/09/2023
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-35 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	29/09/2023
Order Reference	P.O. No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date - Completion of Analysis	03/10/2023

Sr.No.	Parameter	Result	Acceptable Limit as per IS 10500:2012	Unit	Method
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**Chemical Testing; Group: Water, Residues in Water**

**Organoleptic and Physical Parameters**

1	Colour	1	Max. 5	Hazen Units	IS 3025 (Part 4):1983
2	Odour	Agreeable	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.63	6.5-8.5	-	IS 3025 (Part 11):1983
4	Turbidity	BLQ (LOQ:0.2)	Max.1	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	486	Max.500	mg/L	IS 3025 (Part 16):1984

**General Parameters concerning substances undesirable in excessive amounts**

6	Calcium (as Ca)	78.5	Max.75	mg/L	IS 3025 (Part 40):1991
7	Chloride (as Cl)	62.5	Max. 250	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	0.7	Max. 1	mg/L	IS 3025 (Part 60):2008
9	Iron (as Fe)	0.189	Max.1	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
10	Magnesium (as Mg)	45.6	Max.30	mg/L	IS 3025 (Part 46):1994
11	Nitrate (as NO <sub>3</sub> )	30.5	Max.45	mg/L	APHA, 23rd Ed. 4500- NO3 B-4-127: 2017
12	Sulphate (as SO <sub>4</sub> )	93.2	Max. 200	mg/L	IS 3025 (Part 24)
13	Total Alkalinity (as CaCO <sub>3</sub> )	208	Max.200	mg/L	IS 3025(Part 23):1986
14	Total Hardness (as CaCO <sub>3</sub> )	384	Max.200	mg/L	IS 3025 (Part 21):1983


**Biological Testing; Group: Water**

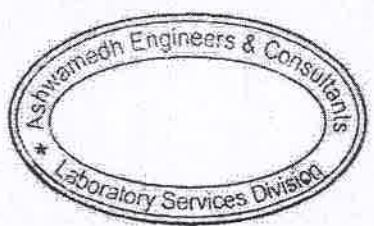
**Bacteriological Parameters**


15	<i>Escherichia coli</i>	Absent	Not Detectable	/100 ml	APHA, 23rd Ed., 9221-G, 9-80L, 2017
16	Total Coliforms	Present	Not specified	/100 ml	APHA, 23rd Ed., 9221-D, 9-75 P-A Coliform test: 2017

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification

**Remark:** The analysed Water Sample results do not conform with Acceptable Limit (wherever specified) as per IS 10500:2012 [With Amendment No.1,2,3 and 4] Standard with respect to the Calcium (as Ca), Magnesium (as Mg), Total Alkalinity (as CaCO<sub>3</sub>), Total Hardness (as CaCO<sub>3</sub>) parameters, without applying measurement uncertainty (wherever applicable).

  
Sonali Kapse  
Section In-Charge (Biological)  
Reviewed & Authorised by

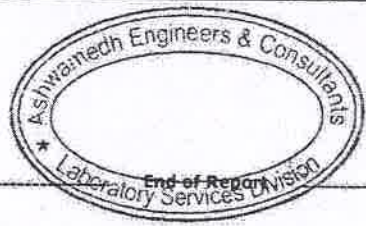


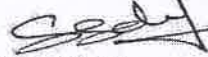
  
Saanvi Dalal  
Section In-charge (Chemical)  
Reviewed & Authorised by

ULR-TC550923000016998F

Sample ID : W/09/23/0409	Report No. W/09/23/0409	Report Date	04/10/2023
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Sonali Kapse  
Section In-charge (Biological)  
Reviewed & Authorised by



  
Saanvi Dalal  
Section In-charge (Chemical)  
Reviewed & Authorised by

**Note:**

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4. There are no additions to, deviations or exclusions from the method.
5. Statement of conformity is based on the decision rule applied.





ULR-TC550923000016999F

**TEST REPORT**

Sample ID : W/09/23/0410	Report No. W/09/23/0410	Report Date	04/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> (Formerly known as Polygenta Technologies Limited) Gat No. 48, 49/1, 49/2, Village Avankhed, Tal. Dindori, Dist. Nashik-422202, Maharashtra		
Sampling done by	Laboratory Representative (Mr. Dhananjay Jagtap)	Sample Description / Type	Surface Water
Sampling Location	Dam (Ozarkhed)	Date - Sampling	29/09/2023
Sample Quantity / Packing	5 L x 1 no. plastic can 250 ml x 1 no. sterile glass bottle	Date - Receipt of Sample	29/09/2023
Sampling Procedure	IS 1622:1981 & IS 3025(Part I):1987 & APHA 23rd Ed.2017, 1060 B,1-40, 9060 A,9-36 & 9060 B,9-39 & ISO 19458:2006	Date - Start of Analysis	29/09/2023
Order Reference	P.O. No. PÓ/Project/SER-0052/22-23 dated 23.11.2022	Date - Completion of Analysis	03/10/2023

Sr.No.	Parameter	Result	Unit	Method
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**Chemical Testing; Group: Water, Residues in Water**

**Organoleptic and Physical Parameters**

1	Colour	1	Hazen Units	IS 3025 (Part 4):1983
2	Odour	Agreeable	-	IS 3025 (Part 5):2018
3	pH value (at 25°C)	7.95	-	IS 3025 (Part 11): 1983
4	Turbidity	2.12	NTU	IS 3025 (Part 10):1984
5	Total Dissolved Solids	180	mg/L	IS 3025 (Part 16): 1984

**General Parameters concerning substances undesirable in excessive amounts**


6	Calcium (as Ca)	29.6	mg/L	IS 3025 (Part 40): 1991
7	Chloride (as Cl)	14.5	mg/L	IS 3025 (Part 32):1988
8	Fluoride (as F)	0.2	mg/L	IS 3025 (Part 60):2008
9	Iron (as Fe)	BLQ (LOQ:0.06)	mg/L	IS 3025 (Part 2): 2019 / ISO 11885: 2007
10	Magnesium (as Mg)	16.5	mg/L	IS 3025 (Part 46): 1994
11	Nitrate (as NO <sub>3</sub> )	4.85	mg/L	APHA, 23rd Ed. 4500-NO <sub>3</sub> . B-4-127: 2017
12	Sulphate (as SO <sub>4</sub> )	20	mg/L	IS 3025 (Part 24):
13	Total Alkalinity (as CaCO <sub>3</sub> )	123	mg/L	IS 3025(Part 23):1986
14	Total Hardness (as CaCO <sub>3</sub> )	142	mg/L	IS 3025 (Part 21): 1983

**Biological Testing; Group: Water**

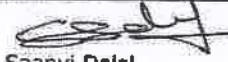
**Bacteriological Parameters**

15	<i>Escherichia coli</i>	Absent	/100 ml	APHA, 23rd Ed., 8221-G, 9-80, 2017
16	Total Coliforms	Absent	/100 ml	APHA, 23rd Ed., 8221-D, 9-75 P-A Coliform test: 2017

BLQ:Below Limit of Quantification, LOQ:Limit of Quantification

  
Sonali Kapse  
Section In-charge (Biological)  
Reviewed & Authorised by



  
Saanvi Dalal  
Section In-charge (Chemical)  
Reviewed & Authorised by

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### NOISE LEVEL MEASUREMENT REPORT

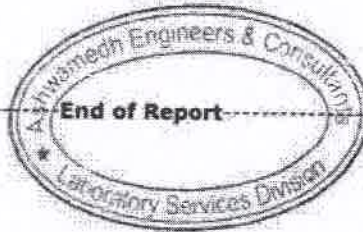
Sample ID: N/09/23/3546	Report No: N/09/23/3546N	Report Date	05/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> (Formerly Known as Polygenta Technologies Limited) Gate No. 48,49/1,49/2 Villgae Avankhed, Tal.Dindori, Dist.Nashik 422202 Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	DG set acoustic noise
Order Reference	P.O.No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date-Monitoring	29/09/2023

#### Chemical Testing; Group: Atmospheric Pollution

Location	Time (h)	Sound Level dB (A) Fast Response				Difference
		A	Inside	B	Outside	
DG Set 62.5 KVA	10:10	A1	99	A2	66	33
	10:15	B1	98	B2	68	30
	10:20	C1	97	C2	65	32
	10:25	D1	99	D2	67	32
		<b>Average</b>	<b>98</b>	<b>Average</b>	<b>67</b>	<b>32</b>

**Note:** Standards as per MPCB Consent Condition Minimum 25 dB (A) insertion Loss.

  
Ninad Soundankar  
Technical Manager (Chemical)  
Reviewed & Authorised by



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4. There are no additions to, deviations or exclusion from the method.





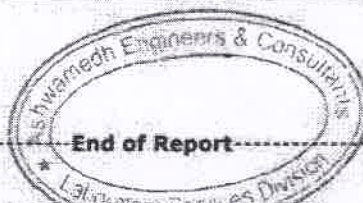
## NOISE LEVEL MEASUREMENT REPORT

Sample ID: N/09/23/0495	Report No. N/09/23/0495	Report Date	05/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> <b>(Formerly Known as Polygenta Technologies Limited)</b> Gate No. 48,49/1,49/2 Villgae Avankhed, Tal.Dindori, Dist.Nashik 422202 Maharashtra		
Monitoring Done By	Laboratory	Sample Description /Type	Ambient Noise
Order Reference	P.O.No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date-Monitoring	29/09/2023 to 30/09/2023

Chemical Testing; Group: Atmospheric Pollution			
Location	Time (h)	Results Noise Level dB (A) Fast Response	Method
West Construction Site	10:20	67	CPCB Protocol for Ambient Level Noise Monitoring, Aug AEC/C/SAP/SAM/356 3G Issue no. 4, Issue date 01/04/2018
	11:20	69	
	12:20	68	
	13:20	70	
	14:20	67	
	15:20	68	
	16:20	71	
	17:20	66	
	18:20	67	
	19:20	66	
	20:20	60	
	21:20	62	
	22:20	61	
	23:20	60	
	24:20	60	
	01:20	58	
	02:20	59	
	03:20	56	
	04:20	54	
	05:20	54	
06:20	55		
07:20	58		
08:20	60		
09:20	62		

Limit		
As per the Noise Pollution (Regulation & Control) Rules, 2000(Rules 3 (1) and 4(1))		
Area Type	Limits in dB (A) weighted scale	
	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)
Industrial Area	75	70
Average Results Noise Level dB (A) Fast Response	65	57

*Ninad Soundankar*  
Ninad Soundankar  
Technical Manager (Chemical)  
Reviewed & Authorised by



**Note:**

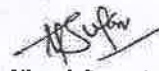
1. The results listed refer only to the tested sample(s) and applicable parameter(s)
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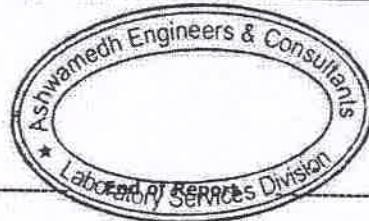




**STACK EMISSION MONITORING REPORT**

Sample ID : SA/09/23/0494	Report No. SA/09/23/0494	Report Date	06/10/2023
Name and address of Customer	Revalyu Recycling (India) Limited (Formerly known as Polygenta Technologies Limited) Gat No. 48, 49/1, 49/2, Village Avankhed, Tal. Dindori, Dist. Nashik-422202, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Stack Emission
Sample Quantity / Packing	PM: 1 no. thimble SO <sub>2</sub> : 30 ml x 1 no. plastic bottle NO <sub>2</sub> : 25 ml x 1 no. plastic bottle	Date - Sampling	29/09/2023
		Date - Receipt of Sample	30/09/2023
Sampling Procedure	IS 11255 (Part 1):1985, (Part 2):1985, (Part 3):2008, (Part 7):2005	Date - Start of Analysis	30/09/2023
Order Reference	P.O. No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date - Completion of Analysis	05/10/2023
<b>Stack Details</b>			
~ Stack Identity	D G Set 62.5 KVA		
~ Stack attached to	D G Set		
~ Material of construction	MS		
~ Stack height above ground level	3 m		
~ Stack diameter	0.24 m		
~ Stack shape at top	Round		
~ Type of Fuel	Diesel		
~ Fuel Consumption	40 L/d		
<b>Parameter</b>	<b>Result</b>	<b>Unit</b>	<b>Method</b>
<b>Chemical Testing; Group: Atmospheric Pollution</b>			
Flue Gas Temperature	88	°C	IS 11255 (Part 3):2008
Flue Gas Velocity	8.75	m/s	IS 11255 (Part 3):2008
Flue Gas Flow Rate	1074	Nm <sup>3</sup> /h	IS 11255 (Part 3):2008
Particulate Matter (PM)	14	mg/Nm <sup>3</sup>	IS 11255 (Part 1):1985
Sulphur Dioxide (SO <sub>2</sub> )	7.02	mg/Nm <sup>3</sup>	IS 11255 (Part 2):1985
Sulphur Dioxide (SO <sub>2</sub> )	0.18	kg/d	IS 11255 (Part 2):1985
Oxides of Nitrogen (NO <sub>2</sub> )	18.6	mg/Nm <sup>3</sup>	IS 11255 (Part 7):2005

  
Ninad Soundankar  
Technical Manager (Chemical)  
Reviewed & Authorised by



**Note:**

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4. There are no additions to, deviations or exclusions from the method.

**Disclaimer**

Information is supplied by the customer (~) and can affect the validity of results.





**AMBIENT AIR QUALITY MONITORING REPORT**

Sample ID : AA/09/23/0493	Report No. AA/09/23/0493	Report Date	06/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> (Formerly known as Polygenta Technologies Limited) Gat No. 48, 49/1, 49/2, Village Avankhed, Tal. Dindori, Dist. Nashik-422202, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Ambient Air
Sampling Location	Near Security Cabin	Date - Sampling	29/09/2023 to 30/09/2023
Sample Quantity / Packing	PM <sub>10</sub> , Bap, Metals: 1 x 3 no. filter paper PM <sub>2.5</sub> : 1 x 1 no. filter paper SO <sub>2</sub> , NO <sub>2</sub> : 30 ml x 6 no. plastic bottle each NH <sub>3</sub> : 10 ml x 24 no. plastic bottle Ozone: 10 ml x 1 no. plastic bottle C <sub>6</sub> H <sub>6</sub> : 1 x 6 no. charcoal tubes CO: 1 x 1 no. bladder	Date - Receipt of Sample	30/09/2023
Sampling Procedure	As per method reference	Date - Start of Analysis	30/09/2023
Order Reference	P.O. No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date - Completion of Analysis	05/10/2023

**Meteorological Data / Environmental Conditions**

Average Wind Velocity 1.14 km/h	Wind Direction W-E	Relative Humidity (Max./Min.): 94/68%	Temperature (Max./Min.): 30/21°C	Duration of Survey 24 h
Parameter	Result	NAAQS# 2009	Unit	Method

**Chemical Testing; Group: Atmospheric Pollution**

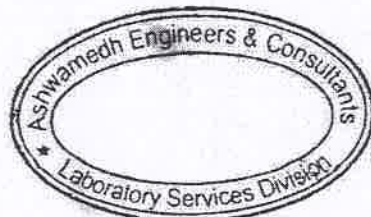
Sulphur Dioxide (SO <sub>2</sub> )	<b>6.43</b>	80	µg/m <sup>3</sup>	IS 5182 (Part 2): 2001
Nitrogen Dioxide (NO <sub>2</sub> )	<b>8.77</b>	80	µg/m <sup>3</sup>	IS 5182 (Part 6): 2006
Particulate Matter (size less than 10 µm) or PM <sub>10</sub>	<b>39</b>	100	µg/m <sup>3</sup>	IS 5182 (Part 23): 2006
Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	<b>10</b>	60	µg/m <sup>3</sup>	CPCB Guideline, Volume 1.36/2012-13, Page No.15: 2013
Ozone (O <sub>3</sub> )	<b>BLQ</b> (LOQ:19.6)	180	µg/m <sup>3</sup>	Methods of Air Sampling and Analysis (AWMA), 3rd Ed., Method 411, Page no. 403: 1988
Lead (as Pb)	<b>BLQ</b> (LOQ:0.02)	1	µg/m <sup>3</sup>	EPA/625/R-96/010 a Compendium Method 10-3.1 & 3.2
Carbon Monoxide (CO)	<b>1.42</b>	4	mg/m <sup>3</sup>	CPCB Guidelines, Volume II, 37/2012-13, Page no.16: 2013
Ammonia (NH <sub>3</sub> )	<b>BLQ</b> (LOQ:20)	400	µg/m <sup>3</sup>	CPCB Guidelines, Volume 1.36/2012-13, Page No.35: 2013
Benzene (C <sub>6</sub> H <sub>6</sub> )	<b>1.29</b>	5	µg/m <sup>3</sup>	IS 5182 (Part II): 2006
Benzo (a) pyrene (BaP) Particulate Phase only	<b>BLQ</b> (LOQ:0.2)	1	ng/m <sup>3</sup>	IS 5182 (Part 12): 2004
Arsenic (as As)	<b>BLQ</b> (LOQ:0.3)	6	ng/m <sup>3</sup>	EPA/625/R-96/010 a Compendium Method 10-3.1 & 3.4
Nickel (as Ni)	<b>BLQ</b> (LOQ:3)	20	ng/m <sup>3</sup>	EPA/625/R-96/010 a Compendium Method 10-3.1 & 3.2

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

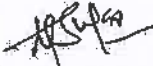
TWA : Time Weighted Average

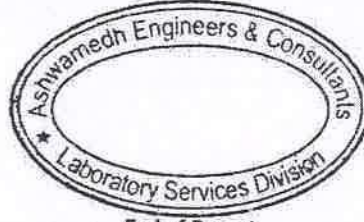
# : NAAQS (National Ambient Air Quality Standards (Industrial, Residential, Rural and other Area) specified as: 24 hours TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM<sub>10</sub>, PM<sub>2.5</sub>, Lead and Ammonia, 1 hour TWA in case of Carbon Monoxide and Ozone, Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.

  
**Ninad Soundankar**  
Technical Manager (Chemical)  
Reviewed & Authorised by



Sample ID : AA/09/23/0493	Report No. AA/09/23/0493	Report Date	06/10/2023
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Technical Manager (Chemical)  
Reviewed & Authorised by



End of Report

**Note:**

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4. There are no additions to, deviations or exclusions from the method.





**TEST REPORT**

Sample ID : S/09/23/0318	Report No. S/09/23/0318	Report Date	06/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> (Formerly known as Polygenta Technologies Limited) Gat No. 48, 49/1, 49/2, Village Avankhed, Tal. Dindori, Dist. Nashik-422202, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Construction Site (Gat No. 48, 49/1, 49/2)	Date - Sampling	29/09/2023
Sample Quantity / Packing	1 kg x 1 no. plastic bag	Date - Receipt of Sample	29/09/2023
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	29/09/2023
Order Reference	P.O. No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date - Completion of Analysis	05/10/2023


Sr. No.	Parameter	Result	Unit	Method
<b>Chemical Testing; Group: Pollution &amp; Environment</b>				
1	Moisture Content	8.32	% by Weight	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 20H
2	pH (1:5 suspension at 25°C)	8.20	-	FAO. Sec. 18. 1, Page no.85
3	Bulk Density	1.0753	g/cm <sup>3</sup>	AEC/C/SAP/S-27
4	Organic Carbon	0.21	%	FAO. Sec. III, 3, Page no.73
5	Total Nitrogen (as N)	103	mg/kg	FAO. Sec III, 4, Page No. 78
6	Total Potassium (as K)	1587	mg/kg	USEPA/SW846/7000B
7	Hexavalent Chromium (as Cr+6)	BLQ (LOQ:5)	mg/kg	USEPA/SW 846/7196A
8	Copper (as Cu)	88.2	mg/kg	USEPA/SW 846/7000B
9	Lead (as Pb)	30.6	mg/kg	USEPA/SW 846/7000B
10	Zinc (as Zn)	68.5	mg/kg	USEPA/SW 846/7000B
11	Iron (as Fe)	1351	mg/kg	USEPA/SW 846/7000B
12	Manganese (as Mn)	687	mg/kg	USEPA/SW 846/7000B
13	Nickel (as Ni)	74.7	mg/kg	USEPA/SW 846/7000B
14	Chloride (as Cl)	71	mg/kg	AEC/C/SAP/S-7
15	Sulphate (as SO <sub>4</sub> )	89.4	mg/kg	USEPA/SW 846/9038

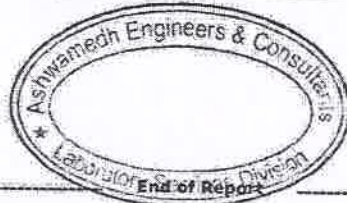
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

Note: All results are on air dry basis.

FAO: Food & Agriculture Organization, United Nations.

Sample ID S/09/23/0318 bears two Test Reports - S/09/23/0318 and S/09/23/0318N

  
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Technical Manager (Chemical)  
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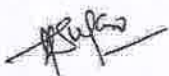


AEC/F/REP/1-A

**TEST REPORT**

Sample ID : S/09/23/0318	Report No. S/09/23/0318N	Report Date	06/10/2023
Name and address of Customer	<b>Revalyu Recycling (India) Limited</b> (Formerly known as Polygenta Technologies Limited) Gat No. 48, 49/1, 49/2, Village Avankhed, Tal. Dindori, Dist. Nashik-422202, Maharashtra		
Sampling done by	Laboratory	Sample Description / Type	Soil
Sampling Location	Construction Site (Gat No. 48, 49/1, 49/2)	Date - Sampling	29/09/2023
Sample Quantity / Packing	1 kg x 1 no. plastic bag	Date - Receipt of Sample	29/09/2023
Sampling Procedure	AEC/SAM/37	Date - Start of Analysis	29/09/2023
Order Reference	P.O. No. PO/Project/SER-0052/22-23 dated 23.11.2022	Date - Completion of Analysis	05/10/2023

Sr. No.	Parameter	Result	Unit	Method
<b>Chemical Testing; Group: Pollution &amp; Environment</b>				
1	Colour	<b>Dark Brown</b>	-	By Visual Method
2	Texture	<b>Clay</b>	-	Dept. of Agriculture & Cooperation, Ministry of Agriculture, Govt. of India, Jan 2011, Ch.4, Page No. 67: 20H
3	Mercury (as Hg)	<b>0.223</b>	mg/kg	USEPA/SW 846/7000B
4	Silica (as SiO <sub>2</sub> )	<b>18.9</b>	mg/kg	USEPA/SW 846/6010C
5	Calcium (as Ca)	<b>3.17</b>	%	USEPA/SW 846/6010C
BLQ: Below Limit of Quantification, LOQ: Limit of Quantification Note: All results are on air dry basis. FAO: Food & Agriculture Organization, United Nations. Sample ID S/09/23/0318 bears two Test Reports - S/09/23/0318 and S/09/23/0318N				

  
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