

Date: 27/04/2023

To,  
IRO Gandhinagar, MOEFCC  
A-407 & A-409,  
"ARANYA BHAWAN", Near CH-3 circle  
Sector-10A, Gandhinagar-382010.

**SUB: COMPLIANCE REPORT FOR THE PERIOD OF OCTOBER 2022 TO MARCH 2023 FOR EXPANSION OF CAPACITIES FOR FULLY DRAWN YARN, POLYESTER CHIPS & CAPTIVE POWER PLANT AT M/S. SHREE DURGA SYNTEX Pvt. Ltd . BLOCK NO. 129 & 175, PLOT NO. Z & E, VILLAGE: JOLVA, TALUKA: PALSANA, DIST: SURAT, GUJARAT.**

REF: **1. F. No. J11011/98/2009-IA II (I), DATED: 13/04/2009**  
**2. F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

Dear Sir,

With reference to the Environmental Clearance obtained from MoEF for our production unit of Fully Drawn Yarn, Polyester Chips we are hereby enclosing the Compliance Report for the period of **OCTOBER 2022 TO MARCH 2023** of Environmental Clearance issued to us.

Now onwards we are giving assurance to you that we will submit six monthly compliance reports.


We hope you would find the same in order and do the needful.

Thanking You,

Yours faithfully,

For,

**M/s. Shree Durga Syntex Pvt. Ltd**

  
**Authorized signatory**

**Enclosure: a/a**

Copy to:

(1) The Member Secretary  
**Gujarat Pollution Control Board**  
State level Environment Impact Assessment Authority (SEIAA)  
Gujarat Pollution Control Board  
Paryavaran Bhavan, Sector - 10 - A  
Gandhinagar - 382010

**Regd. Office & Factory Address**

**Block No. 128, 129, 130 & 175, Plot No. Z & E, Palsana, Village- Jolva, Dist.: Surat, Pin-394 305.**

**Ph.: 99740 93573 / 74, 02622 274477 / 274478, Website: www.shreedurgasyntex.com**


**CIN : U17119GJ2003PTC041979 GSTIN : 24AARCD8894D17V**

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. J11011/98/2009-IA II (I), DATED: 13/04/2009**

**Period – October 2022 TO March 2023**

**Project Details - Expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant  
By M/s. Shree Durga Syntex Pvt Ltd at Plot no: E & Z, block no. 128, 129, 130 & 175, Village: Jolva,  
Taluka: Palsana, Dist: Surat., Gujarat**

Sr.No	CONDITIONS	COMPLIANCE STATUS																																				
1	<p>The Ministry of Environment and Forests has examined your application. It is noted that M/s Shree Durga Syntex Pvt. Ltd have proposed for expansion of capacities for Fully Drawn Yarn, Polyester Chips &amp; Captive power plant at block no. 129 &amp; 175, plot no. Z &amp; E, Village: Jolva, Taluka: Palsana, Dist: Surat, Gujarat. As per latest CCA. The production capacity of Fully Drawn yarn is 500 MTPD and Quantity of power is 12.25 MW is based on gas and 21.0 MW is based on coal . It is proposed to manufacture 800 MTPD of polyester chips by continuous polymerization. It is proposed to increase production capacity along with backward integration of polyester chips/ liquid polyester to avoid melting process of polyester chips for producing FDY. No eco sensitive areas are located within 10 km radius of the plant. The Last expansion will be carried within the existing unit having land area of 9000 m<sup>2</sup>, of which green belt will be developed in 33% of the total land area. Cost of the project is Rs.150.00 Crores, of which Rs. 30.00 lakhs is earmarked for Environmental Protection Measures.</p>	<p>We have obtained Amendment in Environment Clearance vide order no.: <b>SEIAA/GUJ/EC/5(d) &amp; 1(d) / 1346 / 2018</b> dated: <b>14/12/2018</b> and Consolidated Consent &amp; Authorization vide order no.: <b>AWH – 120323, GPCB/CCA-SRT-995(5)/ID-21289/680357</b>, dated: <b>25/07/2022</b> with validity up to <b>03/07/2028</b>. Copy thereof are attached as <b>Annexure–I(A)</b> and <b>Annexure– I(B)</b>, respectively for your reference.</p> <p>Area statement of the project shown in below table:</p> <table border="1" data-bbox="591 667 1544 1050"><thead><tr><th>PROJECT AREA</th><th>EXISTING AREA (m<sup>2</sup>)</th><th>PROPOSED AREA (m<sup>2</sup>)</th><th>TOTAL AREA (m<sup>2</sup>)</th></tr></thead><tbody><tr><td>Plant &amp; M/c area</td><td>2790.00</td><td>6750.00</td><td>9540.00</td></tr><tr><td>Utility area</td><td>9913.00</td><td>--</td><td>9913.00</td></tr><tr><td>Storage area</td><td>3853.00</td><td>--</td><td>3853.00</td></tr><tr><td>Office area</td><td>231.67</td><td>--</td><td>231.67</td></tr><tr><td>Road area</td><td>4422.00</td><td>327.00</td><td>4749.00</td></tr><tr><td>Green belt area</td><td>5462.00</td><td>3500.00</td><td>8962.00</td></tr><tr><td>Open Area</td><td>37058.33</td><td>--</td><td>26481.33</td></tr><tr><td><b>Total</b></td><td><b>63730.00</b></td><td><b>10577.00</b></td><td><b>63730.00</b></td></tr></tbody></table> <p>We ensure that 33.0% green belt area has been provided in proposed land of <b>10577.00 m<sup>2</sup></b>. Photographs of the same are as follows:</p> <div data-bbox="594 1184 1523 1528"></div>	PROJECT AREA	EXISTING AREA (m <sup>2</sup> )	PROPOSED AREA (m <sup>2</sup> )	TOTAL AREA (m <sup>2</sup> )	Plant & M/c area	2790.00	6750.00	9540.00	Utility area	9913.00	--	9913.00	Storage area	3853.00	--	3853.00	Office area	231.67	--	231.67	Road area	4422.00	327.00	4749.00	Green belt area	5462.00	3500.00	8962.00	Open Area	37058.33	--	26481.33	<b>Total</b>	<b>63730.00</b>	<b>10577.00</b>	<b>63730.00</b>
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**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. J11011/98/2009-IA II (I), DATED: 13/04/2009**

**Period – October 2022 TO March 2023**

**Project Details - Expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant**

**By M/s. Shree Durgā Syntex Pvt Ltd at Plot no: E & Z, block no. 128, 129, 130 & 175, Village: Jolva,**

**Taluka: Palsana, Dist: Surat., Gujarat**



2 The total water requirement after the expansion will be 1114 m<sup>3</sup>/d, which will be sourced from groundwater source. Permission for withdrawal of 1381m<sup>3</sup>/d of ground water was obtained on 10.12.2020. The waste water generation will be not exceed 549 m<sup>3</sup>/day. The domestic Waste water will be not exceed 26KLD, and waste water disposed of into ETP. treated Domestic wastewater. Used to floor washing, cooling blow down, DM back wash and process condensate. The wastewater after passing through settling tank will be discharged in to the pipeline of PEPL, leading to PEPL CETP. Power requirement will be met through the Captive power plant. Fuel requirement will be natural gas (76,875 m<sup>3</sup>/day) or LDO (100 m<sup>3</sup>/day) Stack height of 30 m is proposed for existing CPP Engine(3Nos) and, Stack height of 11 m is proposed for steam boiler.

**Complied.**

Permission for withdrawing ground water is obtained from CGWA for **1381 m<sup>3</sup>/Day**. Please find attachment as **ANNEXURE- V**.

As we have obtained Amendment in Environment Clearance vide order no.: **SEIAA/GUJ/EC/5(d) & 1(d)/1346/ 2018** dated: **14/12/2018** and Consolidated Consent & Authorization vide order no.: **AWH – 120323, GPCB/CCA-SRT-995(5)/ID-21289/680357**, dated: : **25/07/2022** with validity up to **03/07/2028**. The Total water requirement for the total production is **1114KLD**. And Total waste water generation after proposed expansion is **575KLD**

The Avg. Total water consumption in last six months is **539.34 KL/Day**. Monthly Total Water consumption details are given as below;

SN	Month	Qty (KL/Month)	Qty (KL/Day)
1	<b>Oct 2022</b>	19464	648.8
2	<b>Nov 2022</b>	15829	527.63
3	<b>Dec 2022</b>	15412	506.83
4	<b>Jan 2023</b>	16346	523.29
5	<b>Feb 2023</b>	16203	540.67
6	<b>Mar 2023</b>	13853	446.87

The Avg. industrial waste water generation in last six months is **461.6 KL/Day**. Monthly waste water generation details are given as below;

SN	Month	Qty (KL/Month)	Qty (KL/Day)
1	<b>Oct 2022</b>	15665	505.32
2	<b>Nov 2022</b>	13737	457.9
3	<b>Dec 2022</b>	12924	416.9
4	<b>Jan 2023</b>	14403	464.61
5	<b>Feb 2023</b>	14287	510.25
6	<b>Mar 2023</b>	12855	414.67

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To monitor the same, online flow meter is operational at the outlet of ETP discharge line to CETP. The Avg. domestic waste water generation is discharge through septic tank & soak pit. The generated industrial effluent is treated in ETP. The treated effluent is discharged to PEPL-CETP through pipeline.

Fuel consumption details are as below;

SN	Month	COAL (MT/Month)
1	Oct 2022	12,085.00
2	Nov 2022	11,560.00
3	Dec 2022	12,028.00
4	Jan 2023	12,186.00
5	Feb 2023	10,607.00
6	Mar 2023	3,512.00

3 The Petrochemical based processing units are listed at serial no. 5(e) of schedule of EIA Notification, 2006 and categorized under "A" or "B" category depending upon the location of the plant outside or inside the notified industrial area. In the instant case, the unit is located outside the industrial area hence this is a category "A" project and appraised by the Expert Appraisal committee (I) at centre.

**Noted.**

4 The proposal was considered by the Expert Appraisal Committee (Industry) in its 92<sup>nd</sup> meeting held on 18<sup>th</sup> - 20<sup>th</sup> March, 2009. The EAC (I) recommended the proposal for grant of environmental clearance under para 7(ii) of EIA Notification, 2006 exempting the project

**Noted.**

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from preparation of EIA report and public hearing.

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

**Noted.**

**A SPECIFIC CONDITIONS:**

1. The industrial effluent generation shall not exceed 549KL/D. The effluent after treatment in the ETP and conforming to the prescribed standards shall be discharged into the pipeline of PEPL leading to CETP. The domestic effluent (26KL/D) shall be disposed in ETP.

**Complied.**

The Avg. industrial waste water generation in last six months is **461.6 KL/Day**. Monthly waste water generation details are given as below;

SN	Month	Qty (KL/Month)	Qty (KL/Day)
1	Oct 2022	15665	505.32
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To monitor the same, online flow meter is operational at the outlet of treated effluent discharge line to CETP. The logbook for the same is maintained at ETP. The generated industrial waste water is treated in ETP. The treated effluent is discharged to PEPL-CETP through pipeline. The waste water treated meets CETP inlet norms. Analysis report of the same is attached as **ANNEXURE- III**. M/s. En-Vision Environmental Services, Surat is appointed NABL accreditation Testing laboratory,[NABL Certificate No.TC – 5304] & Validity is-16/12/2022 till 15/12/2024 NABL Certificate of Approved Laboratory is Attached as an . The domestic waste water generated is discharged in ETP. After treated water reuse in cooling tower and washing purpose.

2. There shall not be any process emissions due to the proposed activity. For dispersion of gaseous emissions from the steam boiler and CPP engines and TFH , adequate height as per CPCB standards shall be provided. Measures for control

**Complied.**

We ensure that there will not be any process emission due to our production activity. For dispersion of gaseous emission from the Steam Boiler, CPP engine and TFH following APCM, Stack are provided;

Stack No.	Stack Attached To	Stack Ht	APCM

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of NOx emissions shall be undertaken.

1.	Natural gas based CPP Engines- 3 Nos. Stand by	30	---
2.	Natural gas based Steam Boiler (1 TPH)	11	---
3.	Coal Based Thermic Fluid Heater(14,000 U)	50	---
4.	1 TPH Boiler with TFH (14000 U)	11	---
5.	Natural Gas Based Thermic Fluid Heater(200 U x 2 nos.) One Stand by	20	---
6.	Natural Gas Based LDO/FO based Thermic Fluid Heater (10000 U) × 2 one Stand By	35	---
7.	Captive Power Plant (9 MW)	80	ESP
8.	Steam Boiler (70 TPH) for coal based Power Plant (21 MW)	80	Economizer, Air Preheater
9.	Steam Boiler (23 TPH ) for coal based Power Plant (21 MW)		
10.	Thermic Fluid Heater (Coal based) (18 million Kcal/Hr)	50	ESP
11.	Steam Boiler (2 TPH)	50	Waste Heat Recovery System

\* DG Set Not Available



3. The proponent shall upload the status of compliance of the stipulated environmental

**Complied.**

We have uploaded the status of compliance of Environmental Clearance including results of monitored data on our website. It also simultaneously

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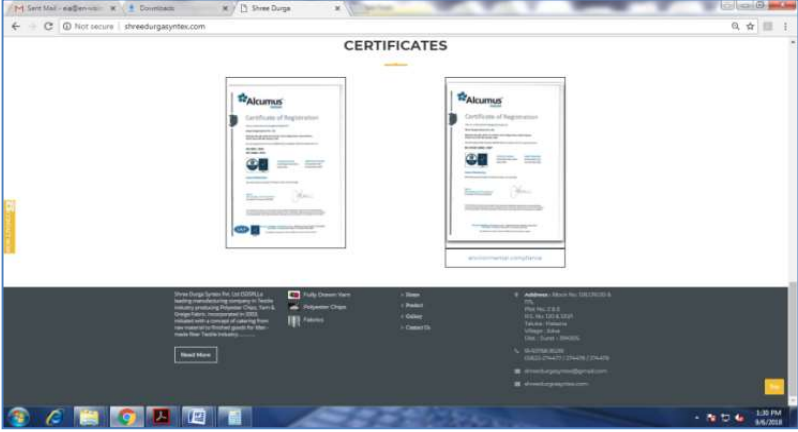
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	<p>clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>submitted to Regional office of MoEF&amp;CC.</p>  <p>The pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emission) or critical sectoral parameters, are monitored periodically and displayed at display board near main gate in public domain.</p>
4.	<p>The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be as per the MVA, 1989.</p>	<p><b>Noted.</b></p>
	<p>The company shall undertake following Waste Minimization measures</p>	
	<p>i.</p> <ul style="list-style-type: none"><li>• Metering and control of quantities of active ingredients to minimize waste.</li><li>• Reuse of byproducts from the process as raw materials or as raw material substitutes in other processes.</li><li>• Use of automated filling to minimize spillage.</li><li>• Use of "Close Feed" system into batch reactors.</li></ul>	<p><b>Complied.</b></p> <p>A. Metering is being done to monitor and control of active raw materials to minimize the waste. i.e. Flow meters are provided at MEG handling system</p> <p>B. Automatic filling / transfer system is being provided to minimize the spillage i.e. Chain conveyor system provided at PTA handling area and then stored in Silo and transferred to Schenck system to paste tank for plant.</p> <p>C. Reuse of byproducts / used oil / drums is being sent to authorized recyclers</p>

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	<ul style="list-style-type: none"><li>• Venting equipment through vapor recovery system.</li><li>• Use of high pressure hoses for equipment clearing to reduce wastewater generation.</li></ul>												
ii.	Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by GPCB.	<b>Complied.</b> Work zone monitoring is being carried out periodically through third party NABL Approved. Ambient Air Monitoring Reports are Attached as <b>ANNEXURE-VII.</b>											
iii.	During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.	<b>Complied.</b> We are ensuring that during transfer of materials, spillages are avoided. If not avoided drains are constructed to collect the spillage and transfer back to the process.											
iv.	The adequate financial provisions shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.	<b>Complied.</b> We have spent and made provision for adequate funds, both recurring and non-recurring to implement the conditions stipulated by the MoEF&CC as well as the State Government along with the implementation schedule for all conditions stipulated in the EC Order.  Adequate funds are allotted as below; <table border="1"><thead><tr><th>EMP Activity</th><th>Capex Spent</th><th>Recurring Spent</th></tr></thead><tbody><tr><td>1. ETP Sludge Disposal</td><td rowspan="6" style="text-align: center;"><b>52 Lacs</b></td><td rowspan="6" style="text-align: center;"><b>28 Lacs</b></td></tr><tr><td>2. CETP Charges</td></tr><tr><td>3. Env Audit</td></tr><tr><td>4. Env Monitoring Charges</td></tr><tr><td>5. ETP Raw Material</td></tr><tr><td>6. APCM Upgradation</td></tr></tbody></table>	EMP Activity	Capex Spent	Recurring Spent	1. ETP Sludge Disposal	<b>52 Lacs</b>	<b>28 Lacs</b>	2. CETP Charges	3. Env Audit	4. Env Monitoring Charges	5. ETP Raw Material	6. APCM Upgradation
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v.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<b>Complied.</b> Health check-up of all workers is being done periodically and records are maintained as per Factories Act. Also we are having policy for Public Liability (Industrial Risks) Insurance. Please refer <b>ANNEXURE-XI</b>											
vi.	The company shall make	<b>Complied.</b>											



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	the arrangement for protection of possible fire hazards during manufacturing process in material handling.	The company maintains firefighting preparedness procedures and have adequate fire fighting equipments like following; 1. Fire Hydrant 2. Fire Extinguishers 3. Sprinkler system in coal yard 4. OHC in plant premises PPE's to employee																																																																
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	<b>Complied.</b> Training imparted to all level employees & Complied. Routine periodical medical examinations for all employees are carried out on regular basis.																																																																
viii.	Usage of PPEs by all employees/ workers shall be ensured.	<b>Complied.</b> Suitable PPEs have to be provided and application enforced. All the PPEs procured are of BIS approved products. Work place enforcement of wearing is done regularly. <table border="1"><thead><tr><th>Sr.No.</th><th>PPEs</th><th>UOM</th><th>QTY.</th></tr></thead><tbody><tr><td>1</td><td>Self-Contained Breathing Apparatus- 10kg</td><td>Nos.</td><td>10</td></tr><tr><td>2</td><td>Full Face masks</td><td>Nos.</td><td>25</td></tr><tr><td>3</td><td>Trolley mounted oxygen cylinders</td><td>Nos.</td><td>5</td></tr><tr><td>4</td><td>Full body chemical protection suits</td><td>Nos.</td><td>10</td></tr><tr><td>5</td><td>Chemical splash proof goggles</td><td>Nos.</td><td>50</td></tr><tr><td>6</td><td>Aluminized firefighting suits</td><td>Nos.</td><td>10</td></tr><tr><td>7</td><td>25mm hose clips with screw clips</td><td>Nos.</td><td>10</td></tr><tr><td>8</td><td>Gum boots full length</td><td>Nos.</td><td>25</td></tr><tr><td>9</td><td>Leather hand gloves</td><td>Pair</td><td>50</td></tr><tr><td>10</td><td>Electrical hand gloves</td><td>Pair</td><td>5</td></tr><tr><td>11</td><td>Non permeable hand gloves</td><td>Nos.</td><td>25</td></tr><tr><td>12</td><td>Safety helmets</td><td>Nos.</td><td>50</td></tr><tr><td>13</td><td>Safety shoes sizes</td><td>Pair</td><td>60</td></tr><tr><td>14</td><td>Pick axles</td><td>Nos.</td><td>2</td></tr><tr><td>15</td><td>Shovels</td><td>Nos.</td><td>5</td></tr></tbody></table>	Sr.No.	PPEs	UOM	QTY.	1	Self-Contained Breathing Apparatus- 10kg	Nos.	10	2	Full Face masks	Nos.	25	3	Trolley mounted oxygen cylinders	Nos.	5	4	Full body chemical protection suits	Nos.	10	5	Chemical splash proof goggles	Nos.	50	6	Aluminized firefighting suits	Nos.	10	7	25mm hose clips with screw clips	Nos.	10	8	Gum boots full length	Nos.	25	9	Leather hand gloves	Pair	50	10	Electrical hand gloves	Pair	5	11	Non permeable hand gloves	Nos.	25	12	Safety helmets	Nos.	50	13	Safety shoes sizes	Pair	60	14	Pick axles	Nos.	2	15	Shovels	Nos.	5
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15	Shovels	Nos.	5																																																															

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**


**F. No. J11011/98/2009-IA II (I), DATED: 13/04/2009**

**Period – October 2022 TO March 2023**

**Project Details - Expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant**

**By M/s. Shree Durga Syntex Pvt Ltd at Plot no: E & Z, block no. 128, 129, 130 & 175, Village: Jolva,**

**Taluka: Palsana, Dist: Surat., Gujarat**

			16	Rain coats full size	Nos.	10
			17	Stretchers	Nos.	2
	ix.	Permission to draw ground water shall be undertaken from the CGWB / State Ground Water Authority) as may be applicable to this case.	<b>Complied.</b> Permission to withdraw ground water is undertaken from CGWA for existing 1381 KL/day. We have also applied for obtaining CGWA permission for additional withdrawal from borewell. Please refer ANNEXURE-V.			
	x.	The company shall undertake rainwater harvesting measures to recharge the ground water as well as reduced consumption of water.	<b>Complied.</b> To conserve ground water as well as reduced consumption of water, rain water recharging is carried out to recharge ground water before its get evaporated. 3 Nos. of percolating recharge pits are provided for rain water recharging. 			
<b>B GENERAL CONDITIONS:</b>						
1.	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.	We are strictly agree, complying & will continue to comply with all stipulation made by GPCB as per CCA VIDE Consent order <b><u>No-AWH120323</u></b> Dated: <b><u>25/07/2022</u></b> , Valid Till- <b><u>3/7/2028</u></b> .				
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	We ensure that no further expansion or modification related to EC in the plant shall be carried out only after prior approval of Ministry.				
3.	At no time, the emissions shall exceed the prescribed limits. In	<b>Noted &amp; Complied.</b> We assure that, at no time the emission level will go beyond the stipulated				

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**Period – October 2022 TO March 2023**

**Project Details - Expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant  
By M/s. Shree Durgā Syntex Pvt Ltd at Plot no: E & Z, block no. 128, 129, 130 & 175, Village: Jolva,**

**Taluka: Palsana, Dist: Surat., Gujarat**

	the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	standards and or prescribed limits. In such cases / occurrence we will intimate to board & authority time to time. In event of failure of APCM, the unit shall not restart until the control measures are rectified to achieve the efficiency.
4.	The gaseous emissions (NO <sub>x</sub> , SO <sub>2</sub> and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO <sub>2</sub> , NO <sub>x</sub> and SPM shall be carried.	<b>Complied.</b> The gaseous emissions (NO <sub>x</sub> , SO <sub>2</sub> & SPM) and Particulate matter along with RSPM levels & stack monitoring for SO <sub>2</sub> , NO <sub>x</sub> & SPM from various units are monitored at regular interval for ensuring the compliance.  Ambient Air Monitoring Report is attached as <b>ANNEXURE-VII</b> & Stack Monitoring Report is attached as <b>ANNEXURE-VI</b> .
5.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated.	<b>Noted &amp; Complied.</b> The location of AAQ are discussed & reviewed during the visits of GPCB and with the Environmental Auditors appointed by GPCB time to time & set up in the direction where max. GLC are anticipated. We will ensure that at least one station is in upwind & one in downwind.
6.	Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.	<b>Not Applicable.</b> There is no process gas vents / stacks in the units.
7.	The overall noise levels in and around the plant area shall be kept well within the standards	<b>Complied.</b> The overall noise levels in and around the plant area is kept well within the standards by providing noise control measures including acoustic hoods,

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**Period – October 2022 TO March 2023**

**Project Details - Expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant**

**By M/s. Shree Durgā Syntex Pvt Ltd at Plot no: E & Z, block no. 128, 129, 130 & 175, Village: Jolva,**

**Taluka: Palsana, Dist: Surat., Gujarat**

	by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	silencers, enclosures etc. on all sources of noise generation. Ambient noise levels are being monitored periodically. It is mandatory for workers to use PPE's such as ear plugs / ear muffs in high noise area. The ambient noise levels is under the standards prescribed under EPA, 1986 Rules, 1989 viz. 75 dBA (Day Time) and 70 dBA (Night Time).  Equipment generating high noise are equipped with acoustic enclosures; regular maintenance, lubrication and vibration pads are assured for such sources. The result are stated as under;  M/s. En-Vision Environmental Services, Surat is appointed NABL accreditation Testing laboratory,[NABL Certificate No.TC – 5304] & Validity is-16/12/2022 till 15/12/2024 NABL Certificate of Approved Laboratory is Attached as an . Noise Monitoring Reports are Attached as <b>ANNEXURE-X</b> .
8.	The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.	<b>Complied.</b>
9.	The company will undertake all relevant measures for improving the Socio economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration	<b>Complied and ongoing.</b>  CSR activity given in <b>ANNEXURE- XII</b>  The amount is utilized for various communities and welfare surrounding areas of project site.
10.	The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<b>Complied and ongoing.</b>  CSR activity given in <b>ANNEXURE- XII</b> The amount is utilized for various communities, welfare and eco development projects within and surrounding areas of project site.
11.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	<b>Complied.</b> A separate Environment Management Cell is equipped along with internal lab. M/s. En-Vision Environmental Services, Surat is appointed NABL accreditation Testing laboratory,[NABL Certificate No.TC – 5304] & Validity is-16/12/2022 till 15/12/2024 NABL Certificate of Approved Laboratory is Attached as an .

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

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**Period – October 2022 TO March 2023**

**Project Details - Expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant**

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**Taluka: Palsana, Dist: Surat., Gujarat**

12.	The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	<b>Complied.</b> <table border="1"><thead><tr><th>EMP Activity</th><th>Capex Spent</th><th>Recurring Spent</th></tr></thead><tbody><tr><td>1. ETP Sludge Disposal 2. CETP Charges 3. Env Audit 4. Env Monitoring Charges 5. ETP Raw Material 6. APCM Upgradation</td><td>52 lacs</td><td>28 lacs</td></tr></tbody></table>	EMP Activity	Capex Spent	Recurring Spent	1. ETP Sludge Disposal 2. CETP Charges 3. Env Audit 4. Env Monitoring Charges 5. ETP Raw Material 6. APCM Upgradation	52 lacs	28 lacs
EMP Activity	Capex Spent	Recurring Spent						
1. ETP Sludge Disposal 2. CETP Charges 3. Env Audit 4. Env Monitoring Charges 5. ETP Raw Material 6. APCM Upgradation	52 lacs	28 lacs						
13.	The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.	<b>Complied.</b>						
14.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/ representations, if any, were received while processing the proposal.	<b>Complied.</b> We have obtained EC in 13 <sup>th</sup> April 2009 and its amendment obtain at 14 <sup>th</sup> December 2018 which is attached as <b>ANNEXURE-XVI &amp; XVII</b> and inform the public that the project has been accorded environmental clearance and advertised in two local newspapers that are widely circulated in the region with vernacular language Gujarati and another in English. Paper advertisement is attached as <b>ANNEXURE-XIII</b> .						
15.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.	<b>Complied.</b>						
16.	The project proponent shall inform the public that the project has been accorded	<b>Complied.</b> We have obtain EC in 13 <sup>th</sup> April 2009 and its amendment obtain at 14 <sup>th</sup> December 2018, and inform the public that the project has been accorded						

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

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	<p>environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB /Committee and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	<p>environmental clearance and advertised in two local newspapers that are widely circulated in the region with vernacular language Gujarati and another in English as per below details:</p> <ol style="list-style-type: none"><li>1. Gujarati news paper: 25/12/2018</li><li>2. English news paper : 24/12/2018</li></ol>
17.	<p>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p>	<p><b>Complied.</b></p>
18.	<p>The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.</p>	<p><b>Noted.</b></p>
19.	<p>The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.</p>	<p><b>Noted.</b></p>
20.	<p>Any appeal against this environmental clearance shall lie with the National Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997.</p>	<p><b>Noted.</b></p>
21.	<p>The above conditions will be enforced, inter-alia under the</p>	<p><b>Noted.</b></p>

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provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003/ 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	
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**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**Project Status:- EC Was obtained dated:14.12.2018 for this proposed expansion &CCA is obtained Vide No. AWH-120323, Dated.25/07/2022 with validity up to:03/07/2028.**

<b>S. NO.</b>	<b>CONDITIONS</b>	<b>COMPLIANCE STATUS</b>
<b>A. CONDITIONS</b>		
<b>A. 1 SPECIFIC CONDITION</b>		
1.	Unit shall adopt proper methods for segregation of waste water streams based on characteristics at source and its sound management keeping in view direction under section 18 (1) (b) of the Water (Prevention and Control of Pollution) act,1974 issued by CPCB regarding compliance of CETP.	<b>Complied.</b>  The Avg. domestic waste water generation and send to ETP plant. The generated industrial effluent is treated in ETP. For proposed expansion, complete treated water will be reused in cooling tower & condensate recovery in boiler, maintaining proposed expansion to ZERO Discharge; however existing waste water which is treated in ETP will be sent to CETP (PEPL), Palsana. Please find attachment as <b>ANNEXURE-IX</b> .
2.	Unit shall not exceed waste water discharge quantity into CETP of M/s: PEPL as mentioned in the existing CC&A.	<b>Complied.</b>  For proposed expansion, complete treated water will be reused in cooling tower & condensate recovery in boiler, maintaining proposed expansion to ZERO Discharge; however existing waste water which is treated in ETP will be sent to CETP (PEPL), Palsana. Please find attachment as <b>ANNEXURE-IX</b> .
3.	Unit shall comply the emission standards mentioned in the Notification by MoEF&CC vide no. S.O. 3305 (E) dated07/12/2015 and amended time to time.	<b>Complied.</b>  Stack monitoring result are attached as <b>ANNEXURE-VI</b> .
4.	Unit shall use only imported coal as a fuel for proposed captive power plant and lignite shall be used only in unavoidable circumstance as per undertaking submitted. In such situation, lignite consumption shall not exceed 4900 MT/Month considering 700 MT/Day X 7 days).	<b>Noted.</b>  We ensure that we will use Lignite if Imported coal is not available and also ensured that lignite consumption shall not exceed 4900 MT/Month considering 700 MT/Day X 7 days).
5.	Process Waste (Oligomer) (10 MT/Month) shall be sold out to the authorized actual users only,	<b>Will Be Complied.</b>
<b>A. 2 WATER:</b>		
6.	Total water requirement for the project shall not exceed 4307 KLD. Unit shall reuse 2555 KLD of waste water from RO Permeate and Boiler condensate for Cooling tower and Boiler	<b>Water consumption is given in ANNEXURE-IV.</b>  For additional water requirement, application is made to CGWA which is under verification stage. Please find attachment as <b>ANNEXURE- V</b> .



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

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**Period – April 2022 TO September 2022**

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	respectively. Hence, fresh water requirement shall not exceed 1139 KLD and it shall be met through 3-Nos. of existing Bore well. Prior permission from the concerned authority shall be obtained for withdrawal of water.	
7.	No ground water shall be tapped for the project requirements without prior permission from the competent authority.	<b>Complied.</b> Permission for withdrawing ground water is obtained from CGWA for 1381 m <sup>3</sup> /Day. For additionally water requirement, application is made to CGWA which is under verification stage. Please refer <b>ANNEXURE-V.</b>
8.	Total industrial wastewater generation after proposed expansion shall not exceed 549 KLD. (180.KL/day existing + 369 KL/day Proposed).	<b>Complied.</b> The Avg. domestic waste water generation is send in ETP for treatment and after complete treated water is reused in cooling tower & condensate recovery in boiler, maintaining proposed expansion to ZERO Discharge; however existing waste water which is treated in ETP will be sent to CETP (PEPL), Palsana. Waste water consumption given in <b>ANNEXURE-IV.</b>
9.	Unit shall continue to discharge 180 KLD of treated waste water to CETP-PEPL as per the existing CC&A. Ensure that there is no additional discharge to CETP.	<b>Complied.</b> We ensure that For proposed expansion, complete treated water will be reused in cooling tower & condensate recovery in boiler, maintaining proposed expansion to ZERO Discharge; however existing waste water which is treated in ETP will be sent to CETP (PEPL), Palsana.
10.	Additional waste water to be generated from the proposed expansion shall not exceed 369 KLD and it shall be treated in proposed ETP followed by RO system (Cap.400 KLD) & MEE system (Cap. 150 KLD).	<b>Complied.</b> We ensure that For proposed expansion, complete treated water will be reused in cooling tower & condensate recovery in boiler, maintaining proposed expansion to ZERO Discharge,
11.	RO permeate (240 KLD) and MEE condensate (127 KLD) shall be reused for cooling tower makeup.	<b>Complied.</b> We ensure that For proposed expansion, complete treated water will be reused in cooling tower & condensate recovery in boiler, maintaining proposed expansion to ZERO Discharge,
12.	Wastewater generated from washing activity for existing facility (40 KLD) shall be sent to CETP after treatment in existing ETP. Waste water generated from proposed washing activity (79 KLD) will be treated in proposed ETP, MF/UF& 2-stage RO followed by 4-stage MEE and treated water will be reuse in cooling lower make up water.	<b>Complied.</b> The waste water generations of last six months from October 2022 to March 2023 from the unit are attached as <b>ANNEXURE-IV.</b>
13.	Wastewater generated from	<b>Complied. Please refer Annexure – IV.</b>

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	existing utilities (Boiler - 26 KLD & Cooling -114 KLD) shall be treated in existing ETP and treated water send to CETP. Wastewater generated from proposed utilities (Boiler - 178 KLD & Cooling - 112 KLD) will be treated in MF/UF & 2-stage RO followed by 4-stage MEE and treated water will be reuse in cooling tower makeup water	
14.	The domestic wastewater generation shall not exceed 26 KLD and it shall be disposed in lo the soak pit/septic tank	<b>Complied.</b> As par latest CCA we are disposal over sewage in ETP.
15.	Proper logbooks of ETP, water consumption, power consumption, reuse etc. shall be maintained and shall be furnished to the GPCB from time to time	<b>Complied.</b>
16.	The unit shall provide metering facility at the inlet & outlet of the ETP, RO, MEE system & reuse system and maintaining records for the same	<b>Complied.</b>
17.	Proper logbooks of ETP, RO, MEE system, chemical consumption, quantities and qualities of effluent reuse, effluent discharge to CETP, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.	<b>Complied.</b>
18.	The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. /GIDC.	<b>Noted.</b>
<b>A. 3 AIR</b>		
19.	Unit shall not exceed fuel consumption for Steam Boiler and stand-by DG set as mentioned below:	Complied. Fuel consumption for Steam Boiler given in <b>ANNEXURE XIV.</b>

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**Period – April 2022 TO September 2022**

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Existing						
Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions	Air Pollution Control Measures (APCM)
1	Steam boiler	11 Meters	WHRB		SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
2	Thermic Fluid Heater (Natural Gas Based) (2.0 Lakhs Kcal/Hr.)	20 m (Common)	Natural Gas	22440 sq.cm/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
3	Thermic Fluid Heater (Natural Gas Based) (2.0 Lakhs Kcal/Hr.) (Stand by)				SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
4	Thermic Fluid Heater (Natural Gas Based/LDO) (10 Million Kcal/Hr.)	35.0 m (Common)	LDO	100 m <sup>3</sup> /day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
5	Thermic Fluid Heater (LDO/NG Based) (10 Million Kcal/Hr.) (Stand by)				SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
6	Thermic Fluid Heater (Coal based) (14 Million Kcal/Hr.)	50.0 m	Coal	80 MT/Day	SPM SO <sub>2</sub> NO <sub>x</sub>	Electrostatic Precipitator
7	Steam boiler (1 TPH)	11 m	Natural Gas	51500 sq.cm/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
8	* Natural Gas Based CPP Engines(3.25 MW)	30 m			SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
9	Steam Boiler (40 TPH) for Biomass (Agro waste / Baggase) & Coal (15% as auxiliary fuel) based Power Plant (9 MW) #	80.0 m	Baggase & 15% Coal	250 ton/day & 35 MT/Day	SPM SO <sub>2</sub> NO <sub>x</sub>	Economizer, Air Pre-heater, Electrostatic Precipitator
Proposed						
Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)
1	Steam Boiler (70 TPH) for Coal based Power Plant (21 MW) #	80.0 m	Imported Coal/Lignite	450 tons/day or 700 tons/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Economizer, Air Pre-heater, Electrostatic Precipitator
2	Steam Boiler (23 TPH) for Coal based Power Plant (21 MW) #					
3	Thermic Fluid Heater (Coal based)	50.0 m			SPM SO <sub>2</sub> NO <sub>x</sub>	Electrostatic Precipitator

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

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**Period – April 2022 TO September 2022**

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	(18 Million Kcal/Hr.)							
	4	Steam boiler (2 TPH)						
20.	Unit shall provide adequate APCM with flue gas generation sources as mentioned above:		<b>Complied.</b>					
21.	There shall be no process gas emission from existing as well as from the proposed project		<b>Noted.</b> We ensure that there will not be any process emission due to our production activity.					
22.	Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.		<b>Will be Complied.</b>					
23.	A long term study of radio activity and heavy metals contents on coal/lignite to be used shall be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal/lignite and fly ash (including bottom ash) shall be put in place.		<b>Noted &amp; Will Be Complied.</b>					
24.	A flue gas stack of 80 m height shall be provided with online monitoring system to proposed Steam boiler. Mercury emissions from stacks shall also be monitored on periodic basis. However, unit shall comply the specific condition no. 13 above regarding height of the Boiler slack.		<b>Will be Complied.</b>					
25.	High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plan! DCS in such a way that if emission from ESP exceeds the specified standard prescribed in the Environment (Protection) Rules, 1986 as amended from time to time, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.		<b>Will be Complied.</b>					
26.	Third party monitoring of the functioning o, the ESP along with its efficiency shall be carried out once in a year through a reputed		<b>Will be Complied.</b>					

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	institute / organization.	
27.	Lime stone injection technology shall be adopted to control SO <sub>2</sub> and it shall be ensured that SO <sub>2</sub> levels in the ambient air do not exceed the prescribed standards.	<b>Will be Complied.</b>
28.	The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.	<b>Will be Complied.</b>
29.	Measures shall be taken to reduce the process vapors emissions as far as possible.	<b>Complied.</b> We ensure that there will not be any process emission due to our production activity.
30.	The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of industrial Safety & Health) Following indicative guidelines shall also be followed to reduce the fugitive emission.	<b>Will be Complied.</b> Work zone monitoring is being carried out periodically through third party NABL Approved. Ambient Air Monitoring Reports are Attached As <b>ANNEXURE-VII. Same will be conducted for proposed expansion.</b>
31.	Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular movement.	<b>Complied.</b>
32.	Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.	<b>Will be Complied.</b>
33.	A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.	<b>Will be Complied.</b> We ensure that proposed expansion has been carried out on land area of <b>10577 m<sup>2</sup></b> . And Approx. 33% of it is greenbelt i.e. <b>3500 m<sup>2</sup></b> has been developed additionally.
34.	Regular monitoring of Volatile Organic Compounds (VOCS) shall be carried out in the work zone area and ambient air	<b>Complied.</b>
35.	For control of fugitive emission, VOCS, following steps shall be followed :	<b>Noted.</b>
36.	Closed handling and charging system shall be provided for chemicals.	<b>Complied.</b>
37.	Pumps shall be provided with mechanical seals to prevent leakages.	Complied. We have provided Pumps with mechanical seal to avoid any type of leakages.
38.	Airborne dust at all transfers operations/points shall be controlled either by spraying water or providing enclosures	Sprinkling has been done on regular interval for control of Airborne dust.
39.	Regular monitoring of ground level concentration of PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> , NO <sub>x</sub> & VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the	<b>Complied.</b> The gaseous emissions (NO <sub>x</sub> , SO <sub>2</sub> & SPM) and Particulate matter along with RSPM levels & stack monitoring for SO <sub>2</sub> , NO <sub>x</sub> & SPM from various units are monitored at regular interval for ensuring the

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	standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.	compliance. Same will be continued in future also for proposed expansion. Air Monitoring Report is attached as <b>ANNEXURE-VII</b> & Stack Monitoring Report are attached as <b>ANNEXURE-VI</b> .
<b>A. 4 SOLID / HAZAROOUS WASTE</b>		
40.	The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016,as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage /disposal of hazardous wastes.	<b>Complied.</b> We ensured that generated hazardous waste is& will be disposed off as per HWM rules, 2016.
41.	Hazardous wastes shall be dried, packed and stored in separate designable hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.	<b>Complied.</b>
42.	Hazardous / Solid waste management shall be as below:	<b>Noted</b>

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Sr. no.	Type/Name of Hazardous waste	Source of generation	Category and Schedule as per HW Rules.	Quantity (MT/Annum)			Disposal Method
				Existing	Proposed	Total	
1	Used Oil	Maintenance	5.1	1.0 Kl/Year	2.0 Kl/Year	3.0 Kl/Year	Sent To GPCB Approved Recycler For Suitable Treatment
2	Discarded Containers/ Barrels/Liners / Carboys/ Bags/ Plastic waste	Raw Material / Production	33.1	10 Tons /Year	15 Tons/Year	25 Tons/Year	Sent Back to Supplier/ To GPCB approved Recycler
3	Chemical Sludge from ETP	ETP	35.3	25.0 Tons/Year	50.0 Tons/Year	75.0 Tons/Year	Collection, storage Transportation, Disposal at TSDF site( NECL, Nandesari Baroda)
4	Process Waste (Oligomer)	Process	24.1	Nil	300.0 Tons/Year	300.0 Tons/Year	Collection, storage Transportation, Disposal at TSDF site( NECL, Nandesari Baroda)
5	Fly Ash from Boiler	Boiler	--	Nil	24000 Tons/Year	24000 Tons/Year	Sent To authorized Brick Manufacturer
43.	Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016		Noted.				
44.	The unit shall obtain necessary permission from the nearby TSDF site and CHWIF.		<b>Complied.</b> TSDF Membership attached as <b>ANNEXURE-IX.</b>				
45.	Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.		<b>Complied.</b>				
46.	The design of the Trucks/tankers shall be such that there is no spillage during transportation		<b>Complied.</b>				
47.	All possible efforts shall be made for Co-Processing of the Hazardous waste prior to		<b>Noted.</b>				

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	disposal into TSDF/CHWIF.	
48.	Management of fly ash (if any) shall be as per the Fly ash Notification 200g & its amendment time to lime and it shall be sure that there is 100% utilization of fly ash to be generated from the unit.	<b>Complied.</b>
<b>A. 5 SAFETY</b>		
49.	The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.	<b>Complied &amp; Will be Complied for Proposed Expansion</b>
50.	Project specific process Safety Management System shall be developed as per the prevailing norms and it shall be implemented in letter and spirit.	<b>Complied &amp; Will be Complied for Proposed Expansion</b>
51.	Unit shall adopt automatization system along with high safety measures for polymerization process.	<b>Complied &amp; Will be Complied for Proposed Expansion</b>
52.	The project authorities shall strictly comply with the provisions made in Manufacture. Storage and import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.	<b>Complied &amp; Will be Complied for Proposed Expansion</b>
53.	First Aid Box shall be made readily available in adequate quantity at all the times.	<b>Complied &amp; Will be Complied for Proposed Expansion</b>
54.	Main entry and exit shall be separate and clearly marked in the facility.	<b>Complied &amp; Will be Complied for Proposed Expansion</b>
55.	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle	<b>Complied &amp; Will be Complied for Proposed Expansion</b>



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	around the premises.	
56.	Storage of flammable chemicals shall be sufficiently away from the production area	<b>Complied.</b>
57.	Sufficient number of fire extinguishers shall be provided near the plant and storage area.	<b>Complied.</b>
58.	All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic /hazardous chemicals.	<b>Complied.</b>
59.	All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.	<b>NA. No any toxic material is handled.</b>
60.	The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.	<b>Complied.</b>
61.	Flame proof electrical fittings shall be provided in flame proof zones or wherever applicable in Plant premises	<b>Complied.</b>
62.	Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.	<b>Complied.</b>
63.	All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.	<b>Complied.</b>
64.	Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs	<b>Complied.</b>
65.	Tie up shall be done with nearby health care unit / doctor for	<b>Noted.</b>

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	seeking immediate medical attention in the case of emergency.																																																																									
66.	Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised	<p><b>Complied.</b> Suitable PPEs have to be provided and application enforced. All the PPEs procured are of BIS approved products. Work place enforcement of wearing is done regularly.</p> <table border="1"><thead><tr><th>S. No</th><th>PPEs</th><th>UOM</th><th>QTY</th></tr></thead><tbody><tr><td>1</td><td>Self contained Breathing Apparatus- 10kg</td><td>Nos.</td><td>10</td></tr><tr><td>2</td><td>Full Face masks</td><td>Nos.</td><td>25</td></tr><tr><td>3</td><td>Trolley mounted oxygen cylinders</td><td>Nos.</td><td>5</td></tr><tr><td>4</td><td>Full body chemical protection suits</td><td>Nos.</td><td>10</td></tr><tr><td>5</td><td>Chemical splash proof goggles</td><td>Nos.</td><td>50</td></tr><tr><td>6</td><td>Aluminized fire fighting suits</td><td>Nos.</td><td>10</td></tr><tr><td>7</td><td>25mm hose clips with screw clips</td><td>Nos.</td><td>10</td></tr><tr><td>8</td><td>Gum boots full length</td><td>Nos.</td><td>25</td></tr><tr><td>9</td><td>Leather hand gloves</td><td>Pair</td><td>50</td></tr><tr><td>10</td><td>Electrical hand gloves</td><td>Pair</td><td>5</td></tr><tr><td>11</td><td>Non permeable hand gloves</td><td>Nos.</td><td>25</td></tr><tr><td>12</td><td>Safety helmets</td><td>Nos.</td><td>50</td></tr><tr><td>13</td><td>Safety shoes sizes</td><td>Pair</td><td>60</td></tr><tr><td>14</td><td>Pick axles</td><td>Nos.</td><td>2</td></tr><tr><td>15</td><td>Shovels</td><td>Nos.</td><td>5</td></tr><tr><td>16</td><td>Rain coats full size</td><td>Nos.</td><td>10</td></tr><tr><td>17</td><td>Stretchers</td><td>Nos.</td><td>2</td></tr></tbody></table>	S. No	PPEs	UOM	QTY	1	Self contained Breathing Apparatus- 10kg	Nos.	10	2	Full Face masks	Nos.	25	3	Trolley mounted oxygen cylinders	Nos.	5	4	Full body chemical protection suits	Nos.	10	5	Chemical splash proof goggles	Nos.	50	6	Aluminized fire fighting suits	Nos.	10	7	25mm hose clips with screw clips	Nos.	10	8	Gum boots full length	Nos.	25	9	Leather hand gloves	Pair	50	10	Electrical hand gloves	Pair	5	11	Non permeable hand gloves	Nos.	25	12	Safety helmets	Nos.	50	13	Safety shoes sizes	Pair	60	14	Pick axles	Nos.	2	15	Shovels	Nos.	5	16	Rain coats full size	Nos.	10	17	Stretchers	Nos.	2
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67.	First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.	<b>Complied.</b>																																																																								
68.	Training shall be imparted to all the workers on safety and health aspects of chemicals handling	<b>Complied.</b> Training imparted to all level employees & Complied. Routine periodical medical examinations for all employees are carried out on regular basis.																																																																								
69.	Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.	Health check-up of all workers is being done periodically and records are maintained as per Factories Act.																																																																								

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70.	Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.	<b>Complied.</b>
71.	The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.	
72.	Necessary permissions from various statutory authorities like PESO, Factory inspectorate and others shall be obtained prior to commissioning of the project.	
<b>A. 6. NOISE</b>		
73.	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.	<b>Complied.</b> The overall noise levels in and around the plant area is kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. Ambient noise levels are being monitored periodically. It is mandatory for workers to use PPE's such as ear plugs / ear muffs in high noise area. The ambient noise levels is under the standards prescribed under EPA, 1986 Rules, 1989 viz. 75 dBA (Day Time) and 70 dBA (Night Time). Equipments generating high noise are equipped with acoustic enclosures; regular maintenance, lubrication and vibration pads are assured for such sources. The results are attached as Noise Monitoring Reports in ANNEXURE- X.
<b>A. 7. CLEANER PRODUCTION AND WASTE MINIMISATION</b>		
74.	The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.	<b>Complied.</b>
75.	The company shall undertake various waste minimization measures such as	<b>Complied.</b>
76.	Metering and control of quantities of active ingredients to minimize waste.	
77.	Reuse of by-products from the process as raw materials or as raw materials substitutes	Automatic filling / transfer system is being provided to minimize the spillage i.e. Chain conveyor system provided at PTA handling area and then stored in Silo and transferred to schenck system to paste tank for plant.
78.	Use of automated and close filling to minimize spillages.	Reuse of byproducts / used oil / drums is being sent to authorized recyclers

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79.	Use of close feed system into batch reactors.	<b>Complied.</b>
80.	Venting equipment through vapor recovery system.	
81.	use of high pressure hoses for cleaning to reduce wastewater generation	
82.	Recycling of washes to subsequent batches.	
83.	Recycling of steam condensate	
84.	Sweeping / mopping of floor instead of floor washing lo avoid effluent generation	
85.	Regular preventive maintenance for avoiding leakage, spillage etc'	
<b>A. 8 GREENBELT AND OTHER PLANTATION</b>		
86.	The unit shall develop green belt within premises as per the CPCB guidelines However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.	We ensure that proposed expansion is carried on land area of <b>10577 m<sup>2</sup></b> . And Approx. 33% of it is greenbelt i.e. <b>3500 m<sup>2</sup></b> has been developed additionally.
87.	Drip irrigation/ low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.	<b>Complied.</b>
<b>B. OTHER CONDITIONS</b>		
88.	In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with hall yearly compliance report	<b>Complied.be</b> The gaseous emissions (NO <sub>x</sub> , SO <sub>2</sub> & SPM) and Particulate matter along with RSPM levels & stack monitoring for SO <sub>2</sub> , NO <sub>x</sub> & SPM from various units are monitored at regular interval for ensuring the compliance. Stack monitoring is being carried out periodically through third party NABL Approved. Stack Monitoring Report are attached as <b>ANNEXURE-VI</b> .

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89.	<p>The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-652017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector The monitoring report shall be posted on the website of the project proponent.</p>	<p><b>Complied.</b></p> <p>For community welfare measures and CSR activity adequate funds allotted. The amount is utilized for various communities, welfare and eco development projects within and surrounding areas of project site.</p>
90.	<p>All the recommendations, mitigation measures, environmental protection measures and Safeguards proposed in the EIA report of the project prepared by M/s. Envision Enviro Technologies Pvt. Ltd., Surat was submitted by project proponent vide letter no. NIL dated 03/07/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.</p>	<p><b>Noted.</b></p>
91.	<p>Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pretreatment must be done to remove suspended matter</p>	<p><b>Complied.</b></p> <p>To conserve ground water as well as reduced consumption of water, rain water recharging is carried out to recharge ground water before its get evaporated. 3 Nos. of percolating recharge pits are provided for rain water recharging.</p>
92.	<p>The unit shall join and participate financially and technically for any common environmental facility/ infrastructure as and when the same is taken up either by the</p>	<p><b>Noted.</b></p>

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	industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.	
93.	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting, in addition the provision for solar water heating system shall also be provided.	<b>Noted.</b>
94.	The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose	We ensure that area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.
95.	All the commitments/ undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	<b>Noted.</b>
96.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	<b>Complied.</b>
97.	In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.	We assure that, at no time the emission level will go beyond the stipulated standards and or prescribed limits. In such cases / occurrence we will intimate to board & authority time to time. In event of failure of APCM, the unit shall not restart until the control measures are rectified to achieve the efficiency.
98.	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB).State Government and any statutory authority.	We are strictly agree, complying & will continue to comply with all stipulation made by GPCB as per CC&A No. <b>AWH - 120323</b> Dated:25/07/2022, Valid Till-3/7/2028.
99.	During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.	<b>Complied.</b> We are ensuring that during transfer of materials, spillages are avoided. If not avoided drains are constructed to collect the spillage and transfer back to the process.
100.	Pucca flooring / impervious layer shall be provided in the work	<b>Complied.</b>

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	areas, chemical storage areas and chemical handling areas to minimize soil contamination.	
101.	Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly	<b>Complied.</b>
102.	No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	We ensure that no further expansion or modification related to EC in the plant shall be carried out only after prior approval of Ministry.
103.	The above conditions will be enforced. Inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, '1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability insurance Ad, 1991 along with their amendments and rules.	<b>Noted.</b>
104.	The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time in a letter and spirit.	<b>Complied.</b>
105.	The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.	<b>Complied.</b>
106.	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein.	<b>Complied.</b> For community welfare measures and CSR activity adequate funds allotted. The amount is utilized for various communities, welfare and eco development projects within and surrounding areas of project site.

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**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

	The funds so provided shall not be diverted for any other purpose.	
107.	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/SEAC/GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.	<b>Noted.</b> We have obtain EC in year 2009 and its amendment obtain at 14 <sup>th</sup> December 2018, and inform the public that the project has been accorded environmental clearance and advertised in two local newspapers that are widely circulated in the region with vernacular language Gujarati and another in English Paper advertisements are attached as <b>ANNEXURE- XIII.</b> 1. Gujarati news paper: 25/12/2018 2. English news paper : 25/12/2018
108.	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.	<b>Complied.</b>
109.	It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority consumed, on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	<b>Complied.</b>
110.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<b>Noted.</b>
111.	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board	We are strictly agree, complying & will continue to comply with all stipulation made by GPCB as per CC&A No.120323 Dated: 25/07/2022, Valid Till-3/7/2028.



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

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112.	The SEIAA may revoke or suspend the clearance. if implementation of any of the above conditions is not found satisfactory.	<b>Noted.</b>
113.	The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.	<b>Noted.</b>
114.	The protect authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the condemned authorities and the date of start of the project.	<b>Noted.</b>
115.	This environmental clearance is valid for seven years from the date of issue	<b>Noted.</b>
116.	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	<b>Noted.</b>
117.	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	<b>Noted.</b>

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**LIST OF ANNEXURES**

<b>ANNEXURES</b>	<b>PARTICULARS</b>
<b>ANNEXURE I(A)</b>	COPY OF ENVIRONMENTAL CLEARANCE
<b>ANNEXURE I(B)</b>	COPY OF LAST VALID CONSENT
<b>ANNEXURE II</b>	PRODUCTION DETAILS FOR LAST SIX MONTHS
<b>ANNEXURE III</b>	ETP-RAW AND TREATED WATER ANALYSIS REPORT AND ETP SLUDGE ANALYSIS REPORT
<b>ANNEXURE IV</b>	FRESH WATER CONSUMPTION AND EFFLUENT GENERATION FOR LAST SIX MONTHS
<b>ANNEXURE V</b>	CGWA NOC COPY
<b>ANNEXURE VI</b>	STACK MONITORING REPORTS
<b>ANNEXURE VII</b>	ANALYSIS REPORT OF WORKPLACE AIR MONITORING
<b>ANNEXURE VIII</b>	HAZARDOUS WASTE GENERATION IN LAST SIX MONTHS
<b>ANNEXURE IX</b>	MEMBERSHIP CERTIFICATE WITH TSDF
<b>ANNEXURE X</b>	NOISE MONITORING REPORT
<b>ANNEXURE XI</b>	INDUSTRIAL RISK LIABILITY (INSURANCE POLICY)
<b>ANNEXURE XII</b>	CSR ACTIVITY DETAIL
<b>ANNEXURE XIII</b>	PAPER ADVERTISEMENT
<b>ANNEXURE XIV</b>	FUEL CONSUMPTION
<b>ANNEXURE XV</b>	NOC COPY OF PROPOSED EXPANSION
<b>ANNEXURE XVI</b>	EC COPY 2009
<b>ANNEXURE XVII</b>	EC COPY 2018

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**ANNEXURE-I(A)**

**COPY OF ENVIRONMENTAL CLEARANCE**

**S. M. SAIYAD, IFS  
MEMBER SECRETARY  
SEIAA (GUJARAT)**



**STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY  
GUJARAT**

Government of Gujarat

**No. SEIAA/GUJ/EC/5(d)&1(d)/1346/2018**

**Date: 14 DEC 2018** By R P A D  
Time Limit

**Sub: Environment Clearance to M/s. Shree Durga Syntex Pvt Ltd. for setting up expansion of Manmade Fibre manufacturing plant and CPP at Plot No. E & Z, Block No 128, 129, 130 & 175, Vill. Jolwa, Ta.: Palsana, Dist: Surat. In Category 5(d)&1(d) of Schedule annexed with EIA Notification dated 14/09/2006.**

**Ref: Your Proposal No. SIA/GJ/IND2/18454/2017.**

Dear Sir,

This has reference to your application along with Form-I dated 14/07/2018 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 and additional information / documents submitted vide letter dated 19/09/2018 to the SEAC.

The proposal is for Environmental Clearance to M/s. Shree Durga Syntex Pvt Ltd. for setting up expansion of Manmade Fibre manufacturing plant and CPP at Plot No. E & Z, Block No 128, 129, 130 & 175, Vill. Jolwa, Ta.: Palsana, Dist: Surat. It is an existing unit for manufacturing following products, which falls in the category - 5(d)&1(d) of the schedule of the EIA Notification-2006:

Sr. no.	Name of the Products	CAS no. / CI no.	Quantity			End-use of the products
			Existing	Proposed	Total	
1	Polyester Chips	-	600 Tons/day	200 Tons/day	800 Tons/day	POY/FDY/ Making Fabric
2	Fully Drawn Yarn (FDY)	-	300 Tons/day	200 Tons/day	500 Tons/day	Making Fabric
3	Partially Oriented Yarn (POY)/ Texturised Yarn	-	--	300 Tons/day	300 Tons/day	Making Fabric
4	Nylon- 6 Chips/ Nylon Yarn	-	--	200 Tons/day	200 Tons/day	Making Fabric
5	Power	-	3.25 MW (Natural Gas Based) 9.0 MW (Biomass (Agro waste/baggase) & Coal (15% as auxiliary fuel) based Captive power plant)	21.0 MW (Coal/ Lignite Based) Captive power Plant	33.25 MW	Power Generation
<b>By-Product</b>						
6	Nylon Polymer Lumps	-	--	1.0 Tons/day	1.0 Tons/day	

The project activity is covered in 5(d)&1(d) and is of 'B' Category. Public hearing was conducted on 22/02/2018.

The SEAC, Gujarat vide their letter dated 22/11/2018 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 16/10/2018. The proposal was considered by SEIAA, Gujarat in its meeting held on 28/11/2018 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to the compliance of the following conditions.

**A. CONDITIONS:**

**A. 1 SPECIFIC CONDITION:**

1. Unit shall adopt proper methods for segregation of waste water streams based on characteristics at source and its sound management keeping in view direction under section 18 (1) (b) of the Water (Prevention and Control of Pollution) act, 1974 issued by CPCB regarding compliance of CETP.

Unit shall not exceed waste water discharge quantity into CETP of M/s: PEPL as mentioned in the existing CC&A.

Office : Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010

Phone No.:- (079) 232-32152,232-41514 Fax No.:- (079) 232-22784

E-mail : mssejaagi@gmail.com, Website:- www.seiaa.gujarat.gov.in

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3. Unit shall comply the emission standards mentioned in the Notification by MoEF&CC vide no. S.O. 3305 (E) dated 07/12/2015 and amended time to time.
4. Unit shall use only imported coal as a fuel for proposed captive power plant and lignite shall be used only in unavoidable circumstance as per undertaking submitted. In such situation, lignite consumption shall not exceed 4900 MT/Month considering 700 MT/Day X 7 days).
5. Process Waste (Oligomer) (10 MT/Month) shall be sold out to the authorized actual users only.

**A. 2 WATER :**

6. Total water requirement for the project shall not exceed 4307 KLD. Unit shall reuse 2555 KLD of waste water from RO Permeate and Boiler condensate for Cooling tower and Boiler respectively. Hence, fresh water requirement shall not exceed 1139 KLD and it shall be met through 3-Nos. of existing Bore well. Prior permission from the concerned authority shall be obtained for withdrawal of water.
7. No ground water shall be tapped for the project requirements without prior permission from the competent authority.
8. Total Industrial wastewater generation after proposed expansion shall not exceed 549 KLD. (180.KL/day existing + 369 KL/day Proposed).
9. Unit shall continue to discharge 180 KLD of treated waste water to CETP-PEPL as per the existing CC&A. Ensure that there is no additional discharge to CETP.
10. Additional waste water to be generated from the proposed expansion shall not exceed 369 KLD and it shall be treated in proposed ETP followed by RO system (Cap. 400 KLD) & MEE system (Cap. 150 KLD).
11. RO permeate (240 KLD) and MEE condensate (127 KLD) shall be reused for cooling tower makeup.
12. Wastewater generated from washing activity for existing facility (40 KLD) shall be sent to CETP after treatment in existing ETP. Waste water generated from proposed washing activity (79 KLD) will be treated in proposed ETP, MF/UF & 2-stage RO followed by 4-stage MEE and treated water will be reuse in cooling tower make up water.
13. Wastewater generated from existing utilities (Boiler – 26 KLD & Cooling – 114 KLD) shall be treated in existing ETP and treated water send to CETP. Wastewater generated from proposed utilities (Boiler – 178 KLD & Cooling – 112 KLD) will be treated in MF/UF & 2-stage RO followed by 4-stage MEE and treated water will be reuse in cooling tower make up water.
14. The domestic wastewater generation shall not exceed 26 KLD and it shall be disposed in to the soak pit/septic tank.
15. Proper logbooks of ETP, water consumption, power consumption, reuse etc. shall be maintained and shall be furnished to the GPCB from time to time.
16. The unit shall provide metering facility at the inlet & outlet of the ETP, RO, MEE system & reuse system and maintain records for the same.
17. Proper logbooks of ETP, RO, MEE system, chemical consumption, quantities and qualities of effluent reuse, effluent discharge to CETP, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.
18. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

**A. 3 AIR:**

19. Unit shall not exceed fuel consumption for Steam Boiler and stand-by DG set as mentioned below:

Existing						
Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions	Air Pollution Control Measures (APCM)
1	Steam boiler	11 m	WHRB		SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
2	Thermic Fluid Heater (Natural Gas Based) (2.0 Lakhs Kcal/Hr.)	20 m (Common)	Natural Gas	22440 sq.cm/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
3	Thermic Fluid Heater (Natural Gas Based) (2.0 Lakhs Kcal/Hr.) (Stand by)				SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
4	Thermic Fluid Heater (Natural Gas Based/LDO) (10 Million Kcal/Hr.)	35.0 m (Common)			SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height

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5	Thermic Fluid Heater (LDO/NG Based) (10 Million Kcal/Hr.) (Stand by)		LDO	100 m <sup>3</sup> /day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
6	Thermic Fluid Heater (Coal based) (14 Million Kcal/Hr.)	50.0 m	Coal	80 MT/Day	SPM SO <sub>2</sub> NO <sub>x</sub>	Electrostatic Precipitator
7	Steam boiler (1 TPH)	11 m	Natural Gas	51500 sq.cm/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
8	* Natural Gas Based CPP Engines(3.25 MW)	30 m				Adequate Stack height
9	Steam Boiler (40 TPH) for Biomass (Agrowaste/baggase) & Coal (15% as auxiliary fuel) based Power Plant (9 MW) #	80.0 m	Bagasse & 15% Coal	250 ton/day & 35 MT/Day	SPM SO <sub>2</sub> NO <sub>x</sub>	Economizer, Air Pre-heater, Electrostatic Precipitator

**Proposed**

Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)
1	Steam Boiler (70 TPH) for Coal based Power Plant (21 MW) #	80.0 m	Imported Coal/Lignite	450 tons/day or 700 tons/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Economizer, Air Pre-heater, Electrostatic Precipitator
2	Steam Boiler (23 TPH) for Coal based Power Plant (21 MW) #					
3	Thermic Fluid Heater (Coal based) (18 Million Kcal/Hr.)	50.0 m			SPM SO <sub>2</sub> NO <sub>x</sub>	Electrostatic Precipitator (ESP)
4	Steam boiler (2 TPH)					



20. Unit shall provide adequate APCM with flue gas generation sources as mentioned above:
21. There shall be no process gas emission from existing as well as from the proposed project.
22. Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.
23. A long term study of radio activity and heavy metals contents on coal/lignite to be used shall be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal/lignite and fly ash (including bottom ash) shall be put in place.
24. A flue gas stack of 80 m height shall be provided with online monitoring system to proposed Steam Boiler. Mercury emissions from stacks shall also be monitored on periodic basis. However, unit shall comply the specific condition no. 13 above regarding height of the Boiler stack.
25. High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceeds the specified standard prescribed in the Environment (Protection) Rules, 1986 as amended from time to time, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.
26. Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute / organization.
27. Lime stone injection technology shall be adopted to control SO<sub>2</sub> and it shall be ensured that SO<sub>2</sub> levels in the ambient air do not exceed the prescribed standards.
28. The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.
29. Measures shall be taken to reduce the process vapors emissions as far as possible.
30. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.
31. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular

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- movement.
32. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
33. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
34. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
35. For control of fugitive emission, VOCs, following steps shall be followed :
36. Closed handling and charging system shall be provided for chemicals.
37. Pumps shall be provided with mechanical seals to prevent leakages.
38. Airborne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.
39. Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx & VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

**A. 4 SOLID / HAZARDOUS WASTE:**

40. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
41. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
42. Hazardous / Solid waste management shall be as below:

Sr. no.	Type of Hazardous waste	Source of generation	Category per HW Rules.	Quantity (MT/Annum)			Disposal Method
				Existing	Proposed	Total	
1	Used Oil	Maintenance	5.1	1.0 KI/Year	2.0 KI/Year	3.0 KI/Year	Sent To GPCB Approved Recycler For Suitable Treatment
2	Discarded Containers/ Barrels/Liners/ Carboys/ Bags/ Plastic waste	Raw Material / Production	33.1	10 Tons /Year	15 Tons/Year	25 Tons/Year	Sent Back to Supplier/ To GPCB approved Recycler
3	Chemical Sludge from ETP	ETP	35.3	25.0 Tons/Year	50.0 Tons/Year	75.0 Tons/Year	Collection, Storage Transportation, Disposal at TSDf site (NECL, Nandesari, Baroda)
4	Process Waste (Oligomer)	Process	24.1	Nil	300.0 Tons/Year	300.0 Tons/Year	Collection, Storage Transportation, Disposal at TSDf site (NECL, Nandesari, Baroda)
5	Fly Ash from Boiler	Boiler	--	Nil	24000 Tons/Year	24000 Tons/Year	Sent To authorized Brick Manufacturer

43. Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 201
44. The unit shall obtain necessary permission from the nearby TSDf site and CHWIF.
45. Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
46. The design of the Trucks/tankers shall be such that there is no spillage during transportation
47. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDf/CHWIF.
48. Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.

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**A. 5 SAFETY:**

49. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.
50. Project specific process Safety Management System shall be developed as per the prevailing norms and it shall be implemented in letter and spirit.
51. Unit shall adopt automation system along with high safety measures for polymerization process.
52. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
53. First Aid Box shall be made readily available in adequate quantity at all the times.
54. Main entry and exit shall be separate and clearly marked in the facility.
55. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
56. Storage of flammable chemicals shall be sufficiently away from the production area.
57. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
58. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
59. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
60. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
61. Flame proof electrical fittings shall be provided in flame proof zones or wherever applicable in Plant premises
62. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
63. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
64. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
65. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
66. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
67. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
68. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
69. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
70. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
71. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
72. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

**A. 6 NOISE:**

73. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

**A. 7 CLEANER PRODUCTION AND WASTE MINIMISATION:**

74. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
75. The company shall undertake various waste minimization measures such as :
  76. Metering and control of quantities of active ingredients to minimize waste.
  77. Reuse of by-products from the process as raw materials or as raw materials substitutes.
  78. Use of automated and close filling to minimize spillages.
  79. Use of close feed system into batch reactors.
  80. Venting equipment through vapour recovery system.
  81. Use of high pressure hoses for cleaning to reduce wastewater generation.
  82. Recycling of washes to subsequent batches.
  83. Recycling of steam condensate

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84. Sweeping / mopping of floor instead of floor washing to avoid effluent generation.  
85. Regular preventive maintenance for avoiding leakage, spillage etc.

**A. 8 GREEN BELT AND OTHER PLANTATION:**

86. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.  
87. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

**B. OTHER CONDITIONS:**

88. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.  
89. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.  
90. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s: Envision Enviro Technologies Pvt. Ltd., Surat was submitted by project proponent vide letter no. NIL dated 03/07/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.  
91. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.  
92. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.  
93. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.  
94. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.  
95. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.  
96. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.  
97. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.  
98. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.  
99. During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.  
100. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.  
101. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.  
102. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.  
103. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.  
104. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.  
105. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.  
106. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

107. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
108. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
109. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
110. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
111. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
112. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
113. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
114. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
115. This environmental clearance is valid for seven years from the date of issue.
116. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
117. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.



With regards,  
Yours sincerely,

(S. M. SAIYAD)  
Member Secretary

**Issued to:**

**M/s. Shree Durga Syntex Pvt Ltd.  
Plot No. E & Z, Block No 128, 129, 130 & 175,  
Vill. Jolwa, Ta.: Palsana, Dist: Surat**

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**ANNEXURE-I(B)**

**COPY OF VALID CONSENT**



**GUJARAT POLLUTION CONTROL BOARD**

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 3(3) & 6 of the Hazardous Waste (Management and Handling & Trans boundary Movement) Rules,2016 framed under the Environmental (Protection) Act-1986. This Board is empowered to Grant CC&A.

And whereas Board has received consolidated consent application Inward no. **256217** dated **26/04/2022** for the **Consolidated Consent and Authorization (CC & A)** of this Board under the provisions / rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

**CONSENTS AND AUTHORISATION:**

(Under the provisions /rules of the aforesaid environmental acts)

**TO,**

**M/s. Shree Durga Syntex Pvt. Ltd.**

**Plot No: Z & E, Block No: 128, 129, 130 & 175,**

**Village: Jolva-394305,**

**Tal: Palsana, Dist: Surat.**

- Consent Order No. AWH-120323 Date of issue: 25/07/2022.**
- The consents shall be **valid upto 03/07/2028** for the use of outlet for the discharge of treated effluent and emission due to operation of industrial plant for manufacturing of the following items/products:

Sr. No.	Product	Total Quantity
1	Fully Drawn Yarn	500 Tons/Day
2	Grey Cloth	2,50,000 Meters/Day
3	Polyester Chips	800 Tons/Day
4	Power	3.25 MW 9.0 MW (Bagasse/gas based CPP)
5	Power	21.0 MW (Coal/Lignite Based CPP)
6	Partially Oriented Yarn/Texturised Yarn	300 Tons/Day
7	Nylon-6 Chips/Nylon Yarn	200 Tons/Day

**Subject to specific condition:**

- Industry shall manage Solid Wastes generated from industrial activities as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).
- As per Provisions of Rule 18 of Solid Waste Management Rules-2016 you are directed to make an arrangement in Utilities to replace at least five percent (5%) of your solid fuel requirement by 'refused derived fuel'.
- Unit shall comply with NOC of CGWA & renew time to time.
- Industry shall provide dedicated storage facility for fly ash.
- Industry shall comply with fly ash notification 1999 as amended from time to time.

M/s. Shree Durga Syntex Pvt. Ltd. (ID\_21289)

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**VI. Unit shall comply with all policy/OM issued by MoEF & CC, Ministry of Power & Government of Gujarat within stipulated time period as per policy/OM for Power Plant.**

**VII. Unit shall submit long term Membership of BEIL for Incineration within month.**

**3. CONDITIONS UNDER THE WATER ACT:**

- 3.1. Source of water: Borewell.
- 3.2. The quantity of the fresh water consumption for industrial purpose shall not exceed 1084 KL/Day.
- 3.3. The quantity of the fresh water consumption for domestic purpose shall not exceed 30 KL/Day.
- 3.4. The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations shall not exceed 549 KL/Day. (Total Booked load in CETP: 700 KL/Day)
- 3.5. Industrial effluent, after necessary treatment shall be reused up to 367 KL/Day (240 RO permeate + 127 MFI Condensate) & remaining 180 KL/Day shall be sent to CETP for further treatment. In no case industrial discharge of CETP shall increase 180 KL/Day.
- 3.6. Industry shall provide fixed pipeline with flow meter for the reuse of effluent and maintain its records.
- 3.7. The quantity of domestic waste water shall not exceed 26 KL/Day.
- 3.8. Generated domestic waste water treated in ETP & treated water reuse in cooling tower & washing purpose.
- 3.9. Industrial effluent, after necessary treatment shall be reused up to maximum extent & remaining shall be sent to CETP for further treatment.
- 3.10. Industry shall provide fixed pipeline with flow meter for the reuse of effluent and maintain its records.
- 3.11. Domestic effluent shall be treated in ETP (industrial).
- 3.12. The applicant shall operate effluent treatment system efficiently so that effluent from the industrial unit shall conform to the CETP inlet norms mentioned below however the final discharge of treated effluent from CETP shall adhere to the prescribed standards for CETP of M/s. Palsana Enviro Protection Ltd(PEPL).

PARAMETERS	CETP INLET NORMS
pH	6.5 to 8.5
Temperature	40° C
Colour (pt.co.scale) in units	100 units
Suspended Solids	300 mg/l
Oil and Grease	10 mg/l
Phenolic Compounds	1 mg/l
Sulphides	2 mg/l
Ammonical Nitrogen	50 mg/l
Total Chromium	2 mg/l
Hexavalent Chromium	0.1 mg/l
BOD (5 days at 20° C)	400 mg/l
COD	1000 mg/l
Total Dissolved Solids	2100 mg/l

- 3.13. The final treated effluent conforming to the above standards shall be fully conveyed into CETP of M/s. Palsana Enviro Protection Ltd(PEPL), through underground drainage system of PEPL & in no case effluent shall be discharged in to Environment by any means.
- 3.14. In case of failure of CETP, applicant shall have to treat the trade effluent of their unit fully so as to achieve the quality of the treated effluent from their industrial premises as per the GPCB norms mentioned below:-

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**Gujarat**



**GUJARAT POLLUTION CONTROL BOARD**

**PARYAVARAN BHAVAN**

**Sector-10-A, Gandhinagar-382 010**

**Phone : (079) 23226295**

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PARAMETERS	GPCB NORMS
pH	6.5 to 8.5
Temperature	40° C
Suspended Solids	100 mg/L
Oil and Grease	10 mg/L
Total Dissolved Solids	2100 mg/L
Phenolic Compounds	1 mg/L
Sulphides	2.0 mg/L
Ammonical Nitrogen	50 mg/L
Total Chromium	2 mg/L
Hexavalent Chromium	0.1 mg/L
BOD (5 days at 20° C)	30 mg/L
COD	100 mg/L
Chlorides	600 mg/L
Sulphate	1000 mg/L

**OR**

- 3.15. The applicant shall either stop or curtail its production activities if the effluent is not adequately treated by the CETP of PEPL to conform to the standards specified by G.P.C.B.
- 3.16. The applicant shall be responsible for conveyance of entire treated effluent to the CETP of M/s. PEPL & due care shall be taken to avoid any leakage or spillage of effluent during conveyance of treated effluent through drain.
- 3.17. Unit shall provide flow meters at inlet & outlet of ETP & maintain its record.
- 3.18. The applicant shall inform renewal/termination of CETP membership well in advance to GPCB.
- 3.19. The applicant shall be required to make storage facilities to store the primary treated effluent for at least 48 hours by providing acid proof brick lined impervious tanks/HDPE tanks.
- 3.20. The applicant shall make fixed arrangement for loading the effluent after primary treatment to the CETP. The unit shall not keep any by-pass line or system or loose or flexible pipe line for discharging effluent into the under ground drainage system of PEPL.
- 3.21. Leachate from the hazardous solid waste, if any shall also be connected into a collection tank through leachate collection facilities and shall be conveyed alongwith industrial effluent to the CETP of PEPL.
- 3.22. Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks/ETP to measure the quantity of effluent discharging in to underground drainage system of PEPL.
- 3.23. The ENTIRE quantity of industrial effluent shall have to be conveyed by PEPL. In no circumstances the effluent either treated or untreated shall be discharged any where else.
- 3.24. Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
- 3.25. PEPL member unit have to modify / improve performance of existing Effluent treatment facilities for efficiency & adequacy in order to comply with prescribed in let standards.
- 3.26. The applicant shall keep accurate records of quantity of production of each product, quantity of water consumption, quantity of effluent generated and consumption of electricity on day to day basis and required to submit the compiled record of one month to GPCB & PEPL on or before fifth day of the succeeding month.

M/s. Shree Durga Syntex Pvt. Ltd. (ID 21289)

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- 3.27. In case of shut-down of plant for more than three days for any reason, the PEPLI unit member shall intimate to PEPLI authority & GPCB well in advance for the better operation & management of CETP.
- 3.28. The authorized representative of PEPLI may have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities/CETP (if required) of the applicant.
- 3.29. If the PEPLI authority terminates the membership of the applicant for CETP, the PEPLI member unit shall have to close down the manufacturing activities/industrial operation of the process plant immediately until the PEPLI membership is resumed.
- 3.30. The applicant shall put up at the entrance a board displaying PEPLI membership number & date of joining of PEPLI, the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of GSECL.

**4. CONDITIONS UNDER THE AIR ACT:**

- 4.1. The Following shall be used as fuel in Steam Boiler, CPP Engines & Thermic Fluid Heater respectively.

Sr. No.	Fuel	Quantity
1	Imported Coal	530 tons/day
	Lignite	700 tons/day
2	Natural gas	76875 sq.cm/day
3	LDO	100 m <sup>3</sup> /day
4	Baggase	250 MT/day
5	LDO	57 Lit/hr

- 4.2. The applicant shall install & operate comprehensive adequate air pollution control system in order to achieve prescribed norms.
- 4.3. The flue gas emission through stack attached to Steam Boiler, CPP Engines, & Thermic Fluid Heater shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Air Pollution Control system	Parameter	Permissible Limit
1	Natural Gas Based CPP Engines – 3 Nos.	30 (each)	----	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
2	Natural Gas Based Steam Boiler (1 TPH)	11	----	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
3	Coal Based Thermic Fluid Heater (14000 U)	50	Electrostatic Precipitator + Alkali Scrubber	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
4	1 TPH Boiler with TFFI (14000 U)	11	Waste heat recovery system	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
5	Natural Gas Based Thermic Fluid Heater (200 U×2 nos) One Stand by	20	----	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm

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6	Natural Gas & LDO/FO Based Thermic Fluid Heater (10000 U) × 2 One Stand by	35	----	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
7	Captive Power Plant (9 MW)	80	Electro Static Precipitator	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
8	Steam Boiler (70 TPH) for Coal based Power Plant (21 MW)	80	ESP + Alkali Scrubber	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
9	Steam Boiler (23 TPH) for Coal based Power Plant (21 MW)				
10	Thermic Fluid Heater (Coal based) (18 million Kcal/hr)	50	ESP + Alkali Scrubber	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm
11	Steam Boiler (2 TPH)	50	Waste heat recovery system	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/Nm <sup>3</sup> 100 ppm 50 ppm

- 4.4. There shall be no process emission from the manufacturing process as well as any other ancillary process.
- 4.5. Industry shall take adequate measure to control dusting due to storage, transportation & handling of Coal & fly ash.
- 4.6. Industry shall comply with Coal handling guideline of the Board.
- 4.7. Industry shall comply with fly ash notification 1999 as amended from time to time.
- 4.8. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10 meters from the source) other than the stack/vent) shall not exceed the following levels.

Parameters	Permissible Limit (µg/m <sup>3</sup> )	
	Annual	24 Hrs Average
Particulate Matter-10 (PM <sub>10</sub> )	60	100
Particulate Matter-2.5 (PM <sub>2.5</sub> )	40	60
SO <sub>2</sub>	50	80
NO <sub>x</sub>	40	80

- 4.9. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

M/s. Shree Durga Syntex Pvt. Ltd. (ID\_21289)

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4.10. 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 standards in respect of noise to less than 75dB(A) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

**5. AUTHORIZATION as per HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY) RULES, 2016 Form-2 [See rule 6 (2)]**

Form for grant of authorization for occupier or operator handling Hazardous waste

5.1 Authorization order No: **AWH-120323** date of Issue: **25/07/2022**.

5.2 **M/s. Shree Durga Syntex Pvt. Ltd.** is hereby granted an authorization to operate facility for following hazardous wastes on the premises situated at **Plot No: Z & E, Block No: 128, 129, 130 & 175, Vill: Jolva-394305, Tal: Palsana, Dist: Surat.**

Sr. No.	Waste	Quantity	Schedule-I/ Category	Facility
1	Chemical Sludge from waste water treatment	75 MT/Year	35.3	Collection, Storage, Transportation and disposal at GPCB authorized TSDF Site.
2	Used or Spent Oil	3 MT/Year	5.1	Collect on, storage, transportation and disposal by selling to GPCB Registered re-refiners.
3	Empty barrels/containers/ liners contaminated with hazardous chemicals/ wastes	25 MT/Year	33.1	Collect on, storage transportation and disposal to GPCB authorized decontaminator
4	Chemical Residue	300 MT/Year	24.1	Collect on, Storage, Transportation and disposal at GPCB authorized TSDF Site/ incineration site.

5.3 The authorization shall be valid up to **03/07/2028**.

5.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

5.5 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes as per condition no.6.2 to the industry having valid CCA of this Board.

**6. TERMS AND CONDITIONS OF AUTHORISATION**

- 6.1 The applicant shall comply with the provisions of the Environment (Protection) Act-1986 and the rules made there under.
- 6.2 The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
- 6.3 The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
- 6.4 Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
- 6.5 The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

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- 6.6 The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and Penalty"
- 6.7 It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 6.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 6.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 6.10 The hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 6.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
- 6.12 An application for the renewal of an authorization shall be made as laid down in rules 6(2) under Hazardous Waste and Other Waste Rules, 2016.
- 6.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 6.14 The waste generator shall be totally responsible for (i.e. collection, storage, transportation and ultimate disposal) the wastes generated.
- 6.15 Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form-4 by 30<sup>th</sup> day of June of every year for the preceding period April to March.
- 6.16 In case of any accident, details of the same shall be submitted on Form-11 to Gujarat Pollution Control Board.
- 6.17 As per "Public Liability Insurance Act-91" company shall get Insurance Policy, if applicable.
- 6.18 Empty drums and containers of toxic and hazard material shall be treated as per guideline published for "Management & Handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
- 6.19 In case of transport of hazardous wastes to a facility for (i.e. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board or Committee of the concerned State of Union Territory Administration where the facility exists.
- 6.20 Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Actions taken in this regard shall be submitted within three months and also along with Form-4.
- 6.21 Industry shall have to display the relevant information with regards to hazardous waste as indicated in the Hon. Supreme Court's Order in W.P. No.657 of 1995 dated 14<sup>th</sup> October, 2003.
- 6.22 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous wastes generated within the factory premises.



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**7. SPECIFIC CONDITIONS:**

- 7.1. The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.
- 7.2. Handling over of the hazardous and other wastes to the authorized actual user shall be only after making the entry in the passbook of the actual user.
- 7.3. In case of renewal of authorization, a self-certified compliance report in respect of effluent, emission standards and the conditions specified in the authorization for hazardous and other wastes shall be submitted to SPCB.
- 7.4. The occupier of the facility shall comply Standard operating procedure/guidelines published by MOEF&CC or CPCB or GPCB from time to time.
- 7.5. Unit shall comply provisions of E-Waste Management Rules-2016.
- 7.6. The disposal of Hazardous Waste shall be carried out as per the waste Management hierarchy.
- 7.7. The occupiers of facilities shall not store the hazardous and other wastes for a period not exceeding **ninety days**. Prior permission of the Board shall be obtained for extension of the storage period.
- 7.8. The occupier shall maintain the records of generation, sale, storage, transport, recycling, co processing and disposal of hazardous waste and make available during the inspection.
- 7.9. The transportation of the hazardous waste shall be carried out in GPS mounted dedicated vehicles.

**8. GENERAL CONDITIONS:**

- 8.1. Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
- 8.2. Applicant shall also comply with the general conditions given in annexure I.
- 8.3. Whenever due to accident or other unforeseen act or event, 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 Service, Department of Explosives, Inspectorate of Factories and local body.
- 8.4. In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/measures shall be implemented immediately to bring entire situation normal.
- 8.5. The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell/Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.
- 8.6. The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30<sup>th</sup> September every year.

**For and on behalf of  
Gujarat Pollution Control Board**

  
**(M. R. Macwana)  
Unit Head, Surat**

Date:

NO: GPCB/CCA-SRT-995(5)/ID-21289/

TO,

M/s. Shree Durga Syntex Pvt. Ltd.

Plot No: Z & E, Block No: 128, 129, 130 & 175,

Village: Jolva-394305,

Tal: Palsana, Dist: Surat.

M/s. Shree Durga Syntex Pvt. Ltd. (ID\_21289)

Page 8 of 8

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-II**

**PRODUCTION DETAILS FOR LAST SIX MONTHS**

S. No.	Product	Name of the Month					
		Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023
1	Polyester Chips (TON/Month)	8,527.16	6,152.28	3,809.52	7,934.04	3,726.31	4,662.00
2	FDY(TON/ Month)	5,975.53	5,930.89	6,141.81	6,102.96	5,561.28	6,014.78
3	Partially Oriented Yarn (POY)	2,047.64	1,951.75	2,015.07	2,154.05	1,962.73	1,563.65
4	Gray Cloth (Meters/Month)						
5	Texturized Yarn (TON/ Month)	405.30	426.86	611.82	654.56	522.92	536.45

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-III**

**ETP- Raw and treated water analysis report and ETP sludge analysis report**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
E : info@en-vision.co.in  
E : lab@en-vision.co.in

**WASTE WATER ANALYSIS REPORT**

**[A] NAME & ADDRESS OF CUSTOMER:**

**M/S.SHREE DURGA SYNTEX PVT LTD.**  
PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA, TAL: PALSANA,  
SURAT-394305.

Issue Date	28/03/2023
Report No.	230328_1718029_04_049

**[B] DESCRIPTION OF SAMPLING :**

<b>01. Description of Sample:</b> RAW EFFLUENT	<b>09. Date of Sampling:</b> 21.03.2023
<b>02. Location of Sampling Point:</b> ETP INLET	<b>10. Date of Sample Received:</b> 21.03.2023
<b>03. Type of Sampling:</b> GRAB	<b>11. Date of Analysis Start:</b> 22.03.2023
<b>04. Name of Sampling Team:</b> A	<b>12. Date of Analysis Completion:</b> 27.03.2023
<b>05. Sample Quantity:</b> 2.0 LTR	<b>13. Customer's Ref.No:</b> --
<b>06. Total no. of Sample:</b> 01	<b>14. Protocol Purpose:</b> EC
<b>07. Packing/Label/Seal:</b> PACKING/LABEL	<b>15. Work Order Number :</b> --
<b>08. Sample Inward No:</b> 230328_1718029_04_049	<b>16. Work Order Date :</b> --

**[C] RESULT OF SAMPLE :**

PARAMETERS	UNIT	RESULT	TEST METHOD
pH	pH Unit	6.63	IS:3025, (Part-2) (R.A.-2012)
Temperature	°C	33.0	IS 3025 (Part-09) (R.A.-2006)
Colour	Pt. Co.Scale	130	IS 3025 Part-4 (R.A.-2006)- Pt/Co method
Suspended Solids	mg/l	160	IS:3025 (Part-17) (R.A.-2012) (Gravimetric method)
Total Dissolved Solids	mg/l	2312	IS:3025 (Part-16) (R.A.-2012) (Gravimetric method)
Chemical Oxygen Demand	mg/l	2048	APHA 22 <sup>nd</sup> Edition-2012, 5200 (Close reflux)
Biochemical Oxygen Demand for 3 days at 27°C	mg/l	630	IS 3025 Part-44 (R.A.-2009)
Oil & Grease	mg/l	14.2	IS 3025 Part-39 (R.A.-2003)-A (Gravimetric Method)
Ammonical Nitrogen (as N)	mg/l	ND	IS:3025 (Part-34) (R.A.-2009)- C- Distillation
Phenolic Compounds	mg/l	0.24	IS 3025 (Part-43) (R.A.-2009)-A
Sulphides	mg/l	ND	IS 3025 (Part-29) (R.A.-2014)(Iodometric Method)
Sulphates	mg/l	576.63	APHA 22 <sup>nd</sup> Edition-2012 4500 SO <sub>4</sub> <sup>-2</sup> -E- (Turbidity method)
Chloride as Cl	mg/l	589.81	IS:3025 (Part-32) (R.A.-2014)

Remarks: ND: Not Detectable.

**En-Vision Environmental Services., (Testing Laboratory), Surat**

Note:

The results relate only to the items tested.

The test report shall not be reproduced except in full, without written approval of the laboratory.

Fmt No: LAB/FM/05 Revision No: 01 Date: 29.08.22.

Tested By:

*Vasant Shah*  
Mr. Vasant Shah  
(Technical Manager)

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**WASTE WATER ANALYSIS REPORT**

**[A] NAME & ADDRESS OF CUSTOMER:**

**M/S.SHREE DURGA SYNTEX PVT LTD.**

PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA, TAL: PALSANA,  
SURAT-394305.

Issue Date	28/03/2023
Report No.	230328_1718029_04_050

**[B] DESCRIPTION OF SAMPLING :**

<b>01. Description of Sample:</b> RAW EFFLUENT	<b>09. Date of Sampling:</b> 21.03.2023
<b>02. Location of Sampling Point:</b> ETP AFTER PRIMARY	<b>10. Date of Sample Received:</b> 21.03.2023
<b>03. Type of Sampling:</b> GRAB	<b>11. Date of Analysis Start:</b> 22.03.2023
<b>04. Name of Sampling Team:</b> A	<b>12. Date of Analysis Completion:</b> 27.03.2023
<b>05. Sample Quantity:</b> 2.0 LTR	<b>13. Customer's Ref.No:</b> --
<b>06. Total no. of Sample:</b> 01	<b>14. Protocol Purpose:</b> EC
<b>07. Packing/Label/Seal:</b> PACKING/LABEL	<b>15. Work Order Number :</b> --
<b>08. Sample Inward No:</b> 230328_1718029_04_050	<b>16. Work Order Date :</b> --

**[C] RESULT OF SAMPLE :**

PARAMETERS	UNIT	RESULT	TEST METHOD
pH	pH Unit	8.67	IS:3025, (Part-2) (R.A.-2012)
Temperature	°C	28.0	IS 3025 (Part-09) (R.A.-2006)
Colour	Pt. Co.Scale	100	IS 3025 Part-4 (R.A.-2006)- Pt/Co method
Suspended Solids	mg/l	134	IS:3025 (Part-17) (R.A.-2012) (Gravimetric method)
Total Dissolved Solids	mg/l	2524	IS:3025 (Part-16) (R.A.-2012) (Gravimetric method)
Chemical Oxygen Demand	mg/l	1008	APHA 22 <sup>nd</sup> Edition-2012, 5200(Close reflux -Titrimetric method)
Biochemical Oxygen Demand for 3 days at 27°C	mg/l	300	IS 3025 Part-44 (R.A.-2009)
Oil & Grease	mg/l	6.70	IS 3025 Part-39 (R.A.-2003)-A (Gravimetric Method)
Ammonical Nitrogen (as N)	mg/l	ND	IS:3025 (Part-34) (R.A.-2009)- C- Distillation
Phenolic Compounds	mg/l	0.14	IS 3025 (Part-43) (R.A.-2009)-A
Sulphides	mg/l	ND	IS 3025 (Part-29) (R.A.-2014) (Iodometric Method)/
Sulphates	mg/l	592.6	APHA 22 <sup>nd</sup> Edition-2012 4500 SO <sub>4</sub> <sup>2-</sup> -E- (Turbidity method)
Chloride as Cl	mg/l	529.9	IS:3025 (Part-32) (R.A.-2014)

Remarks: ND: Not Detectable.

**En-Vision Environmental Services., (Testing Laboratory), Surat**

Note:

The results relate only to the items tested.

The test report shall not be reproduced except in full, without written approval of the laboratory.

Fmt No: LAB/FM/05 Revision No: 01 Date: 29.08.22.

  
Tested By:

  
Mr. Vasant Shah  
(Technical Manager)

**End of Report**

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:****F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018****Period – April 2022 TO September 2022****Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**WASTE WATER ANALYSIS REPORT****[A] NAME & ADDRESS OF CUSTOMER:****M/S.SHREE DURGA SYNTEX PVT LTD.**

PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA, TAL: PALSANA,  
SURAT-394305.

Issue Date

28/03/2023

Report No.

230328\_1718029\_04\_051

**[B] DESCRIPTION OF SAMPLING :**

<b>01. Description of Sample:</b> RAW EFFLUENT	<b>09. Date of Sampling:</b> 21.03.2023
<b>02. Location of Sampling Point:</b> ETP OUTLET	<b>10. Date of Sample Received:</b> 21.03.2023
<b>03. Type of Sampling:</b> GRAB	<b>11. Date of Analysis Start:</b> 22.03.2023
<b>04. Name of Sampling Team:</b> A	<b>12. Date of Analysis Completion:</b> 27.03.2023
<b>05. Sample Quantity:</b> 2.0 LTR	<b>13. Customer's Ref.No:</b> --
<b>06. Total no. of Sample:</b> 01	<b>14. Protocol Purpose:</b> EC
<b>07. Packing/Label/Seal:</b> PACKING/LABEL	<b>15. Work Order Number :</b> --
<b>08. Sample Inward No:</b> 230328_1718029_04_050	<b>16. Work Order Date :</b> --

**[C] RESULT OF SAMPLE :**

PARAMETERS	UNIT	LIMIT	RESULT	TEST METHOD
pH	pH Unit	6.5-8.5	7.56	IS:3025, (Part-2) (R.A.-2012)
Temperature	°C	40.0	28.0	IS 3025 (Part-09) (R.A.-2006)
Colour	Pt. Co.Scale	100	80.0	IS 3025 Part-4 (R.A.-2006)- Pt/Co method
Suspended Solids	mg/l	300	82.0	IS:3025 (Part-17) (R.A.-2012) (Gravimetric method)
Total Dissolved Solids	mg/l	2100	1998	IS:3025 (Part-16) (R.A.-2012) (Gravimetric method)
Chemical Oxygen Demand	mg/l	1000	528	APHA 22 <sup>nd</sup> Edition-2012, 5200 (Close reflux -Titrimetric method)
Biochemical Oxygen Demand for 3 days at 27°C	mg/l	400	150	IS 3025 Part-44 (R.A.-2009)
Oil & Grease	mg/l	10.0	3.20	IS 3025 Part-39 (R.A.-2003)-A (Gravimetric Method)
Ammonical Nitrogen (as N)	mg/l	50.0	ND	IS:3025 (Part-34) (R.A.-2009)- C-
Phenolic Compounds	mg/l	1.0	0.07	IS 3025 (Part-43) (R.A.-2009)-A
Sulphides	mg/l	2.0	ND	IS 3025 (Part-29) (R.A.-2014) (Iodometric Method)/
Sulphates	mg/l	1000	364.84	APHA 22 <sup>nd</sup> Edition-2012 4500 SO <sub>4</sub> <sup>-2</sup> -E- (Turbidity method)
Chloride as Cl	mg/l	600	439.87	IS:3025 (Part-32) (R.A.-2014) (Argentometric method)

Remarks: ND: Not Detectable.

**En-Vision Environmental Services., (Testing Laboratory), Surat**

Note:

The results relate only to the items tested.

The test report shall not be reproduced except in full, without written approval of the laboratory.

Fmt No: LAB/FM/05 Revision No: 01 Date: 29.08.22.

Tested By:

**Mr. Vasant Shah**  
(Technical Manager)

**End of Report**

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



201 & 301, Union Trade Center (UTC)  
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Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**SOLID WASTE ANALYSIS REPORT**

**[A] NAME & ADDRESS OF CUSTOMER:**

M/S.SHREE DURGA SYNTEX PVT LTD.  
PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA,  
TAL: PALSANA,  
SURAT-394305.

Issue Date	28/03/2023
Report No.	230328_1718029_06_052

**[B] DESCRIPTION OF SAMPLING :**

01. Sample Inward No : 230321_1718029_06_052	05. Time of Sampling : 11:35 AM
02. Location of Sampler : ETP SLUDGE	06. Date of Sample Received : 22.03.2023
03. Name of Sampling Team: A	07. Date of Analysis Start : 22.03.2023
04. Date of Sampling : 21.03.2023	08. Date of Analysis Completion : 27.03.2023

**[C] RESULT OF SAMPLE :**

PARAMETERS	UNIT	RESULT	TEST METHOD
pH	PH Unit	7.34	IS 2720 (Part - 26) - 1987 (Reaffirmed 2007)
Total Dissolved Solids (TDS)	gm/kg	8.00	IS:3025 (Part-16) : 1984 (Reaff.2006)- Gravimetric method
Alkalinity	gm/kg	6.70	IS:3025 (Part-23) : 1986 (Reaff.2009) Titrimetric method
Moisture	%	12.1	IS 2720(Part - 2) : 1973 (Reaffirmed 2007).
Phenolic Compounds as C <sub>6</sub> H <sub>5</sub> OH	gm/kg	ND	IS 3025 (Part-43):1992 (Reaff.2009)- A
Chemical Oxygen Demand	gm/kg	16.0	APHA 22 <sup>nd</sup> Edition-2012 5200 - C (Close reflux -Titrimetric method)
Biochemical Oxygen Demand for 3 days 27°C	gm/kg	6.00	IS 3025 Part-44-1993 (Reaff.2009)

**Remarks:**

**En-Vision Environmental Services., (Testing Laboratory), Surat**

**Note:**

The results relate only to the items tested.  
The test report shall not be reproduced except in full, without written approval of the laboratory.  
Fmt No: LAB/FM/03 Revision No: 01 Date: 29.08.22.

  
Tested By:

  
Mr. Vasant Shah  
(Technical Manager)

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-IV**

**FRESH WATER CONSUMPTION AND EFFLUENT GENERATION FOR LAST SIX MONTHS**

The Avg, fresh water consumption in last six month is **539.3KL/Day** Monthly total water consumption details are given as below;

<b>SN</b>	<b>Month</b>	<b>Qty (KL/Month)</b>	<b>Qty (KL/Day)</b>
1	<b>Oct 2022</b>	20113	670.43
2	<b>Nov 2022</b>	15829	527.63
3	<b>Dec 2022</b>	15712	506.83
4	<b>Jan 2023</b>	16346	527.29
5	<b>Feb 2023</b>	16203	578.67
6	<b>Mar 2023</b>	13853	446.87

The Avg. industrial waste water generation in last six months is **461.6KL/Day** Monthly waste water generation details are given as below;

<b>SN</b>	<b>Month</b>	<b>Qty (KL/Month)</b>	<b>Qty (KL/Day)</b>
1	<b>Oct 2022</b>	15665	505.32
2	<b>Nov 2022</b>	13737	457.9
3	<b>Dec 2022</b>	12924	416.9
4	<b>Jan 2023</b>	14403	464.61
5	<b>Feb 2023</b>	14287	510.25
6	<b>Mar 2023</b>	12855	414.67

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-V**

**CGWA NOC COPY**



भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन, नदी विकास  
और गंगा संरक्षण विभाग  
केन्द्रीय भूमि जल प्राधिकरण  
Government of India  
Ministry of Jal Shakti  
Department of Water Resources,  
River Development & Ganga Rejuvenation  
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Shree Durga Syntex Pvt Ltd		
Project Address:	Block No 128,129,130 And 175,, Plot No Z And E, Village- Jolva, Taluka- Palsana		
Village:	Jolva	Block:	Palsana
District:	Surat	State:	Gujarat
Pin Code:			
Communication Address:	Plot No 21 To 29, Anand Industrial Estate,, U.m.road, Nr. Begani Dyeing Mills Pvt Ltd, Bhatar Char Rasta, Chorasi, Surat, Gujarat - 395017		
Address of CGWB Regional Office :	Central Ground Water Board West Central Region, Swami Narayan College, Building, Shah Alam Tolnaka, Ahmadabad, Gujarat - 380022		

1. NOC No.:	CGWA/NOC/IND/ORIG/2021/12312											
2. Application No.:	21-4/1673/GJ/IND/2017	3. Category:	Safe									
		(GWRE 2017)										
4. Project Status:	Existing Project	5. NOC Type:	New									
6. Valid from:	10/12/2020	7. Valid up to:	09/12/2023									
8. Ground Water Abstraction Permitted:												
	Fresh Water	Saline Water	Dewatering	Total								
	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year				
	1381.00	504065.00										
9. Details of ground water abstraction /Dewatering structures												
	Total Existing No.:3						Total Proposed No.:0					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	3	0	0	0	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
10. Ground Water Abstraction/Restoration Charges paid (Rs.):				4536585.00								
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.				No. of Piezometers			Monitoring Mechanism					
							Manual	DWLR**	DWLR With Telemetry			
**DWLR - Digital Water Level Recorder				2			0	1	1			

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jammagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये  
SAVE WATER - SAVE LIFE



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

Validity of this NOC shall be subject to compliance of the following conditions:

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCQ list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

**(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)**

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-VI**



**STACK MONITORING REPORTS**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**STACK TEST REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT LTD. PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT- 394305.	<b>Issue Date</b>	28/03/2023																				
	<b>Report No.</b>	230328_1718029_02_044																				
<b>[B] DESCRIPTION OF SAMPLING :</b>																						
<b>01. Location of Sample :</b> STACK	<b>11. Sampling Platform :</b> YES																					
<b>02. Sample Inward No:</b> 230321_1718029_02_044	<b>12. Location of Sampling port-Hole :</b> ≈ 22 MTR.																					
<b>03. Lab Representative :</b> M/S. ENES	<b>13. No.of Traveres Point Used :</b> 1.0																					
<b>04. Name of Sampling Team :</b> A	<b>14. Temperature of Flue gas :</b> 146°C																					
<b>05. Name of Sources :</b> STEAM BOILER	<b>15. Average flue Gas Velocity :</b> 6.38 m/sec																					
<b>06. Status of Sources :</b> NOT SPECIFIED	<b>16. Date of Sampling :</b> 21.03.2023																					
<b>07. Capacity of Sources :</b> 9 MW	<b>17. Date of Sample Received :</b> 21.03.2023																					
<b>08. Fuel Used in Sources :</b> BAGASSE/ COAL	<b>18. Date of Analysis Start :</b> 22.03.2023																					
<b>09. Sources Make by :</b> NOT SPECIFIED	<b>19. Date of Analysis Completion :</b> 22.03.2023																					
<b>10. Provision of APCD :</b> ESP, ECONOMIZER, AIR PRE HEATER	<b>20. Work order Number :</b> --																					
<b>[C] RESULT OF SAMPLE :</b>																						
<table border="1"><thead><tr><th>PARAMETERS</th><th>UNIT</th><th>LIMIT</th><th>RESULTS</th><th>TEST METHOD</th></tr></thead><tbody><tr><td>Suspended Particular Matter</td><td>mg/Nm<sup>3</sup></td><td>150</td><td>49.7</td><td>IS 11255 (Part-1) (R.A.-2014)</td></tr><tr><td>NO<sub>x</sub></td><td>ppm</td><td>50</td><td>9.00</td><td>IS 11255 (Part-7) (R.A.-2012)</td></tr><tr><td>SO<sub>2</sub></td><td>ppm</td><td>100</td><td>17.9</td><td>IS 11255 (Part-2) (R.A.-2014)</td></tr></tbody></table>	PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD	Suspended Particular Matter	mg/Nm <sup>3</sup>	150	49.7	IS 11255 (Part-1) (R.A.-2014)	NO <sub>x</sub>	ppm	50	9.00	IS 11255 (Part-7) (R.A.-2012)	SO <sub>2</sub>	ppm	100	17.9	IS 11255 (Part-2) (R.A.-2014)		
PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD																		
Suspended Particular Matter	mg/Nm <sup>3</sup>	150	49.7	IS 11255 (Part-1) (R.A.-2014)																		
NO <sub>x</sub>	ppm	50	9.00	IS 11255 (Part-7) (R.A.-2012)																		
SO <sub>2</sub>	ppm	100	17.9	IS 11255 (Part-2) (R.A.-2014)																		
<b>Note:</b> *Particulate Matter at 11% O <sub>2</sub> .																						
<b>En-Vision Environmental Services., (Testing Laboratory), Surat</b>																						
<b>Note:</b> The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/04 Revision No: 01 Date: 29.08.22.																						
 <b>Tested By:</b>	 <b>Mr. Vasant Shah (Technical Manager)</b>																					

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



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T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**STACK TEST REPORT**

**[A] NAME & ADDRESS OF CUSTOMER:**

**M/S.SHREE DURGA SYNTEX PVT LTD.**

PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA,  
TAL: PALSANA,  
SURAT-394305.

Issue Date	28/03/2023
Report No.	230328_1718029_02_045

**[B] DESCRIPTION OF SAMPLING :**

<b>01. Location of Sample :</b> STACK	<b>11. Sampling Platform :</b> YES
<b>02. Sample Inward No:</b> 230321_1718029_02_045	<b>12. Location of Sampling port-Hole :</b> ≈ 19 MTR.
<b>03. Lab Representative :</b> M\S. ENES	<b>13. No.of Traveres Point Used :</b> 1.0
<b>04. Name of Sampling Team :</b> A	<b>14. Temperature of Flue gas :</b> 129 °C
<b>05. Name of Sources :</b> THERMICFLUID HEATER	<b>15. Average flue Gas Velocity :</b> 5.89 m/sec
<b>06. Status of Sources :</b> NOT SPECIFIED	<b>16. Date of Sampling :</b> 21.03.2023
<b>07. Capacity of Sources :</b> 14 MILLION KCAL/HR	<b>17. Date of Sample Received :</b> 21.03.2023
<b>08. Fuel Used in Sources :</b> COAL	<b>18. Date of Analysis Start :</b> 22.03.2023
<b>09. Sources Make by :</b> NOT SPECIFIED	<b>19. Date of Analysis Completion :</b> 22.03.2023
<b>10. Provision of APCD :</b> ESP	<b>20. Work order Number :</b> --

**[C] RESULT OF SAMPLE :**

PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD
Suspended Particulate Matter	mg/Nm <sup>3</sup>	150	54.1	IS 11255 (Part-1) (R.A.-2014)
NO <sub>x</sub>	ppm	50	9.00	IS 11255 (Part-7) (R.A.-2012)
SO <sub>2</sub>	ppm	100	19.7	IS 11255 (Part-2) (R.A.-2014)

Note: \*Particulate Matter at 11% O<sub>2</sub>.

**En-Vision Environmental Services., (Testing Laboratory), Surat**

Note:

The results relate only to the items tested.

The test report shall not be reproduced except in full, without written approval of the laboratory.

Fmt No: LAB/FM/04 Revision No: 01 Date: 29.08.22.

**Tested By:**

*Vasant Shah*  
**Mr. Vasant Shah  
(Technical Manager)**

**End of Report**

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



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**STACK TEST REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT LTD. PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.	<b>Issue Date</b>	28/03/2023																				
	<b>Report No.</b>	230328_1718029_02_046																				
<b>[B] DESCRIPTION OF SAMPLING :</b>																						
<b>01. Location of Sample :</b> STACK	<b>11. Sampling Platform :</b> YES																					
<b>02. Sample Inward No:</b> 230321_1718029_02_046	<b>12. Location of Sampling port-Hole :</b> ≈ 7.0 MTR.																					
<b>03. Lab Representative :</b> M/S. ENES	<b>13. No.of Traveres Point Used :</b> 1.0																					
<b>04. Name of Sampling Team :</b> A	<b>14. Temperature of Flue gas :</b> 131 °C																					
<b>05. Name of Sources :</b> STEAM BOILER	<b>15. Average flue Gas Velocity :</b> 5.93 m/sec																					
<b>06. Status of Sources :</b> NOT SPECIFIED	<b>16. Date of Sampling :</b> 21.03.2023																					
<b>07. Capacity of Sources :</b> 1.0 TPH	<b>17. Date of Sample Received :</b> 21.03.2023																					
<b>08. Fuel Used in Sources :</b> NATURAL GAS	<b>18. Date of Analysis Start :</b> 22.03.2023																					
<b>09. Sources Make by :</b> NOT SPECIFIED	<b>19. Date of Analysis Completion :</b> 22.03.2023																					
<b>10. Provision of APCD :</b> NA	<b>20. Work order Number :</b> --																					
<b>[C] RESULT OF SAMPLE :</b>																						
<table border="1"><thead><tr><th>PARAMETERS</th><th>UNIT</th><th>LIMIT</th><th>RESULTS</th><th>TEST METHOD</th></tr></thead><tbody><tr><td>Suspended Particular Matter</td><td>mg/Nm<sup>3</sup></td><td>150</td><td>10.7</td><td>IS 11255 (Part-1) (R.A.-2014)</td></tr><tr><td>NO<sub>x</sub></td><td>ppm</td><td>50</td><td>2.70</td><td>IS 11255 (Part-7) (R.A.-2012)</td></tr><tr><td>SO<sub>2</sub></td><td>ppm</td><td>100</td><td>1.30</td><td>IS 11255 (Part-2) (R.A.-2014)</td></tr></tbody></table>	PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD	Suspended Particular Matter	mg/Nm <sup>3</sup>	150	10.7	IS 11255 (Part-1) (R.A.-2014)	NO <sub>x</sub>	ppm	50	2.70	IS 11255 (Part-7) (R.A.-2012)	SO <sub>2</sub>	ppm	100	1.30	IS 11255 (Part-2) (R.A.-2014)		
PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD																		
Suspended Particular Matter	mg/Nm <sup>3</sup>	150	10.7	IS 11255 (Part-1) (R.A.-2014)																		
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SO <sub>2</sub>	ppm	100	1.30	IS 11255 (Part-2) (R.A.-2014)																		
<b>Note:</b> *Particulate Matter at 11% O <sub>2</sub> .			<b>En-Vision Environmental Services., (Testing Laboratory), Surat</b>																			
Note: The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/04 Revision No: 01 Date: 29.08.22.																						
<b>Tested By:</b>	<b>Mr. Vasant Shah (Technical Manager)</b>																					

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**


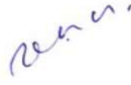
**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



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**STACK TEST REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT LTD. PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.	<b>Issue Date</b>	28/03/2023		
	<b>Report No.</b>	230328_1718029_02_047		
<b>[B] DESCRIPTION OF SAMPLING :</b>				
<b>01. Location of Sample :</b> STACK	<b>11. Sampling Platform :</b> YES			
<b>02. Sample Inward No:</b> 230321_1718029_02_047	<b>12. Location of Sampling port-Hole :</b> ≈ 14 MTR.			
<b>03. Lab Representative :</b> M/S. ENES	<b>13. No.of Traveres Point Used :</b> 1.0			
<b>04. Name of Sampling Team :</b> A	<b>14. Temperature of Flue gas :</b> 126 °C			
<b>05. Name of Sources :</b> THERMIC FLUID HEATER	<b>15. Average flue Gas Velocity :</b> 5.89 m/sec			
<b>06. Status of Sources :</b> NOT SPECIFIED	<b>16. Date of Sampling :</b> 21.03.2023			
<b>07. Capacity of Sources :</b> 200 U NOS. OF 2.0	<b>17. Date of Sample Received :</b> 21.03.2023			
<b>08. Fuel Used in Sources :</b> NATURAL GAS	<b>18. Date of Analysis Start :</b> 22.03.2023			
<b>09. Sources Make by :</b> NOT SPECIFIED	<b>19. Date of Analysis Completion :</b> 22.03.2023			
<b>10. Provision of APCD :</b> NA	<b>20. Work order Number :</b> --			
<b>[C] RESULT OF SAMPLE :</b>				
<b>PARAMETERS</b>	<b>UNIT</b>	<b>LIMIT</b>	<b>RESULTS</b>	<b>TEST METHOD</b>
Suspended Particular Matter	mg/Nm <sup>3</sup>	150	10.4	IS 11255 (Part-1) (R.A.-2014)
NO <sub>x</sub>	ppm	50	1.50	IS 11255 (Part-7) (R.A.-2012)
SO <sub>2</sub>	ppm	100	1.10	IS 11255 (Part-2) (R.A.-2014)
<b>Note: *Particulate Matter at 11% O<sub>2</sub>.</b>				
<b>En-Vision Environmental Services., (Testing Laboratory), Surat</b>				
<b>Note:</b> The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/04 Revision No: 01 Date: 29.08.22.				
 <b>Tested By:</b>	 <b>Mr. Vasant Shah</b> <b>(Technical Manager)</b>			

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

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<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT LTD. PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.	<b>Issue Date</b>	28/03/2023																				
	<b>Report No.</b>	230328_1718029_02_048																				
<b>[B] DESCRIPTION OF SAMPLING :</b>																						
<b>01. Location of Sample :</b> STACK	<b>11. Sampling Platform :</b> YES																					
<b>02. Sample Inward No:</b> 230321_1718029_02_048	<b>12. Location of Sampling port-Hole :</b> ≈ 14 MTR.																					
<b>03. Lab Representative :</b> M\S. ENES	<b>13. No.of Traveres Point Used :</b> 1.0																					
<b>04. Name of Sampling Team :</b> A	<b>14. Temperature of Flue gas :</b> 135 °C																					
<b>05. Name of Sources :</b> THERMIC FLUID HEATER	<b>15. Average flue Gas Velocity :</b> 5.79 m/sec																					
<b>06. Status of Sources :</b> NOT SPECIFIED	<b>16. Date of Sampling :</b> 21.03.2023																					
<b>07. Capacity of Sources :</b> 10000 U NOS. OF 2.0	<b>17. Date of Sample Received :</b> 21.03.2023																					
<b>08. Fuel Used in Sources :</b> NATURAL GAS	<b>18. Date of Analysis Start :</b> 22.03.2023																					
<b>09. Sources Make by :</b> NOT SPECIFIED	<b>19. Date of Analysis Completion :</b> 22.03.2023																					
<b>10. Provision of APCD :</b> NA	<b>20. Work order Number :</b> --																					
<b>[C] RESULT OF SAMPLE :</b>																						
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PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD																		
Suspended Particular Matter	mg/Nm <sup>3</sup>	150	10.2	IS 11255 (Part-1) (R.A.-2014)																		
NO <sub>x</sub>	ppm	50	1.50	IS 11255 (Part-7) (R.A.-2012)																		
SO <sub>2</sub>	ppm	100	1.00	IS 11255 (Part-2) (R.A.-2014)																		
<b>Note:</b> *Particulate Matter at 11% O <sub>2</sub> .																						
<b>En-Vision Environmental Services., (Testing Laboratory), Surat</b>																						
<b>Note:</b> The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/04 Revision No: 01 Date: 29.08.22.																						
 <b>Tested By:</b>	 <b>Mr. Vasant Shah (Technical Manager)</b>																					

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-VII**



**ANALYSIS REPORT OF WORKPLACE AIR MONITORING**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**AMBIENT AIR TEST REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT LTD. PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.		<b>Issue Date</b> 28/03/2023		
		<b>Report No.</b> 230328_1718029_01_041		
<b>[B] DESCRIPTION OF SAMPLING :</b>				
<b>01. Sample Inward No :</b> 230321_1718029_01_041	<b>05. Duration of Sampling :</b> 8.0 HOURS			
<b>02. Location of Sampler :</b> NEAR MAIN GATE	<b>06. Date of Sample Received :</b> 21.03.2023			
<b>03. Name of Sampling Team:</b> A	<b>07. Date of Analysis Start :</b> 22.03.2023			
<b>04. Date of Sampling :</b> 21.03.2023	<b>08. Date of Analysis Completion :</b> 22.03.2023			
<b>[C] RESULT OF SAMPLE :</b>				
PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD
PM <sub>10</sub>	µg/m <sup>3</sup>	100	69.8	IS 5182 (Part-23) 2009 Gravimetric method
PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	36.5	Lab SOP-STP-A <sub>2</sub> based on CPCB guideline, 2011 & Instrument Manual
NO <sub>x</sub>	µg/m <sup>3</sup>	80	17.4	IS 5182 (Part-6) (R.A.-2012)
SO <sub>2</sub>	µg/m <sup>3</sup>	80	12.1	IS 5182 (Part-2) (R.A.-2012)
<b>Remarks :</b> 1. Environmental Condition : Clear Sky. <p style="text-align: right;">En-Vision Environmental Services, (Testing Laboratory), Surat</p> Note: The results relate only to the Items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/07 Revision No: 01 Date: 29.08.22.				
 Tested By:		 Mr. Vasant Shah (Technical Manager)		

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**


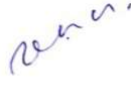


**en-VISION**  
ENVIRONMENTAL SERVICES  
Pollution Control Consultants & Engineers

201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**AMBIENT AIR TEST REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT LTD. PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.		<b>Issue Date</b>	28/03/2023		
		<b>Report No.</b>	230328_1718029_01_042		
<b>[B] DESCRIPTION OF SAMPLING :</b>					
<b>01. Sample Inward No :</b> 230321_1718029_01_042		<b>05. Duration of Sampling :</b> 8.0 HOURS			
<b>02. Location of Sampler :</b> NEAR ETP		<b>06. Date of Sample Received :</b> 21.03.2023			
<b>03. Name of Sampling Team:</b> A		<b>07. Date of Analysis Start :</b> 22.03.2023			
<b>04. Date of Sampling :</b> 21.03.2023		<b>08. Date of Analysis Completion :</b> 22.03.2023			
<b>[C] RESULT OF SAMPLE :</b>					
CODE	PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD
A <sub>2</sub>	PM <sub>10</sub>	µg/m <sup>3</sup>	100	66.7	IS 5182 (Part-23) 2009 Gravimetric method
A <sub>3</sub>	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	35.5	Lab SOP-STP-A <sub>2</sub> based on CPCB guideline, 2011 & Instrument Manual
A <sub>4</sub>	NO <sub>x</sub>	µg/m <sup>3</sup>	80	17.1	IS 5182 (Part-6) (R.A.-2012)
A <sub>5</sub>	SO <sub>2</sub>	µg/m <sup>3</sup>	80	11.4	IS 5182 (Part-2) (R.A.-2012)
<b>Remarks :</b> 1. Environmental Condition : Clear Sky. <p style="text-align: right;"><b>En-Vision Environmental Services, (Testing Laboratory), Surat</b></p>					
Note: The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/07 Revision No: 01 Date: 29.08.22.					
 Tested By:		 Mr. Vasant Shah (Technical Manager)			

End of Report



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**



**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**AMBIENT AIR TEST REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT LTD. PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.	<b>Issue Date</b>	28/03/2023			
	<b>Report No.</b>	230328_1718029_01_043			
<b>[B] DESCRIPTION OF SAMPLING :</b>					
<b>01. Sample Inward No :</b> 230321_1718029_01_043	<b>05. Duration of Sampling :</b> 8.0 HOURS				
<b>02. Location of Sampler :</b> ON THE ADMIN BHILDING	<b>06. Date of Sample Received :</b> 21.03.2023				
<b>03. Name of Sampling Team:</b> A	<b>07. Date of Analysis Start :</b> 22.03.2023				
<b>04. Date of Sampling :</b> 21.03.2023	<b>08. Date of Analysis Completion :</b> 22.03.2023				
<b>[C] RESULT OF SAMPLE :</b>					
CODE	PARAMETERS	UNIT	LIMIT	RESULTS	TEST METHOD
A <sub>2</sub>	PM <sub>10</sub>	µg/m <sup>3</sup>	100	64.3	IS 5182 (Part-23) 2009 Gravimetric method
A <sub>3</sub>	PM <sub>2.5</sub>	µg/m <sup>3</sup>	60	33.4	Lab SOP-STP-A <sub>2</sub> based on CPCB guideline, 2011 & Instrument Manual
A <sub>4</sub>	NO <sub>x</sub>	µg/m <sup>3</sup>	80	16.9	IS 5182 (Part-6) (R.A.-2012)
A <sub>5</sub>	SO <sub>2</sub>	µg/m <sup>3</sup>	80	11.1	IS 5182 (Part-2) (R.A.-2012)
<b>Remarks :</b>					
1. Environmental Condition : Clear Sky.					
<b>En-Vision Environmental Services, (Testing Laboratory), Surat</b>					
<b>Note:</b> The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/07 Revision No: 01 Date: 29.08.22.					
 <b>Tested By:</b>		 <b>Mr. Vasant Shah (Technical Manager)</b>			

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-VIII**

**HAZARDOUS WASTE GENERATION IN LAST SIX MONTHS**

Sr. No.	Solid Waste Generation	Name Of The Month					
		Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023
1.	ETP Sludge (MT)	6400	8750	5550	6200	7000	7750
2.	Used Oil (MT)	2.16					

**HAZARDOUS WASTE DISPOSAL IN LAST SIX MONTHS**

STATEMENT OF ETP SLUDGE DISPOSED OFF			
SR NO	Manifest No	Date of Disposal	Quantity (MT)
1	1880023	05/11/2022	14.420
2	1894069	19/11/2022	13.940
3	1941312	06/01/2023	14.260
4	1955854	21/01/2023	14.670
5	1976273	11/02/2023	14.490

STATEMENT OF USED OIL DISPOSED OFF			
SR NO	Manifest No	Date of Disposal	Quantity (MT)
1	1881377	05/11/2022	2.16

DISCARDED CONTAINER			
SR NO	Manifest No	Date of Disposal	Quantity (MT)
1	1881377	07/11/2022	1.600

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-IX**

**MEMBERSHIP CERTIFICATE WITH TSDF**



**NANDESARI ENVIRONMENT CONTROL LTD.**

SURVEY NO. : 519/P, G.I.D.C. ESTATE, NANDESARI-391 340, DIST : VADODARA.  
PHONE : (0265) 2840 818 FAX : (0265) 2841017 E-mail : necl\_tsdf@yahoo.co.in

SR.NO.856

16.03.2012

**TO WHOM SOEVER IT MAY CONCERN**

THIS IS TO CERTIFY THAT **M/S.SHREE DURGA SYNTAX PVT.LTD.,BLOCK NO.129 & 175,PLOT NO. Z & E,TALUKA,PALSANA,ZOLVA,SURAT** IS OUR VALID MEMBER OF COMMON HAZARDOUS WASTE **DISPOSAL** FACILITY (CHWF) DEVELOPED BY NANDESARI ENVIRONMENT CONTROL LTD. AT SURVEY NO.519/P,GIDC,NANDESARI,DIST:BARODA

ANNUAL COMMITTED QUANTITY IS : **15.000 MT/ANNUM**

SO FAR WE HAVE NOT RECEIVED ANY WASTE

**FOR & ON BEHALF OF :**

**NANDESARI ENVIRONMENT CONTROL LTD.**

  
**BABUBHAI C.PATEL**

**CHAIRMAN**

For Shree Durga Syntex Pvt. Ltd.

  
**Authorised/Director**

Common Solid Waste Disposal and Incineration Facility



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



CERTIFICATE NO. : 140



**Palsana Enviro Protection Ltd.**

Block No. 527-528, Opp. Mac Donalds, Mumbai - Ahmedabad N.H. No. 8,  
Village : Umbhel, Tal : Kamrej, Dist : Surat - 394 325, Gujarat.  
Ph. No. : 9909904101, Email : palsanaenviro@yahoo.com@gmail.com  
Website : www.palsanaenviro.com

**CERTIFICATE**

THIS IS TO CERTIFY THAT M/s. Shree Durga Syntex Private Limited

Block No. 129 & 175, Plot No. Z to E, Village - Jolwa,

Taluka - Palsana, District - Surat - 394 305.

is a member of

**Palsana Enviro Protection Limited**

for

Common Effluent Treatment

Date of Issue :	09.05.2022	Permitted Pollution Load : Inlet Norms	
Valid Upto :	08.05.2027	PH :	6.5 - 8.5
GPCB ID No. :	21289	Temperature :	40° C
CTE No. :	-	COD :	1000 Mg/Ltr
CCA No. :	AWH-86533	BOD :	400 Mg/Ltr
CCA Valid Up to :	03.07.2022	SS :	300 Mg/Ltr
Booked Quantity :	700 KL/Day	Oil & Grease :	10 Mg/Ltr
Permitted Quantity : (As per CCA)	180 KL/Day	No. of Chambers :	10 Chamber

For, Palsana Enviro Protection Ltd.

Chairman

**Conditions :**

- 1) Industry shall not internally trade its chamber / Trade effluent with other industry without prior permission of the CETP & GPCB.
- 2) The Unit shall abide by the terms and conditions as specified in the agreement between member unit and PEPL.
- 3) The Unit shall use a single well defined outlet for discharge of waste water in to conveyance system to the CETP.
- 4) In the event of the CETP's not functioning as proposed / breakdown of CETP, the CETP member units shall be immediately intimated to stop discharging the effluent / to shut down their plants immediately. The effluent from the member units shall not be received at CETP until the desired efficiency of the CETP has been achieved.

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-X**



**NOISE MONITORING REPORT**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**NOISE MEASUREMENT REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT.LTD PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.		<b>Issue Date</b>	28/03/2023
		<b>Report No.</b>	230328_1718029_06A_053
<b>[B] DESCRIPTION OF SAMPLING :</b>			
<b>01. Sample Inward No :</b> 230321_1718029_06A_053	<b>05. Duration of Sampling :</b> 24.0 HRS.		
<b>02. No of Location :</b> 01	<b>06. Date of Sample Received :</b> 22.03.2023		
<b>03. Name of Sampling Team:</b> A	<b>07. Date of Analysis Start :</b> 22.03.2023		
<b>04. Date of Sampling :</b> 21.03.2023	<b>08. Date of Analysis Completion :</b> 22.03.2023		
<b>09. Name of Location :</b> ADMIN OFFICE			
<b>10. Test Method :</b> STP No.: N, Issue No.01 & Date:01.04.2014, (Based on Instruction manual) Using noise level Meter with Data Logger.			
<b>[C] RESULT OF SAMPLE :</b>			
Code	Unit	Time	Results
N1	db(A)	6:00	61.8
N2	db(A)	7:00	61.2
N3	db(A)	8:00	58.5
N4	db(A)	9:00	62.6
N5	db(A)	10:00	62.9
N6	db(A)	11:00	63.4
N7	db(A)	12:00	58.9
N8	db(A)	13:00	58.4
N9	db(A)	14:00	58.2
N10	db(A)	15:00	61.1
N11	db(A)	16:00	62.3
N12	db(A)	17:00	60.1
N13	db(A)	18:00	61.5
N14	db(A)	19:00	62.9
N15	db(A)	20:00	63.4
N16	db(A)	21:00	64.1
<b>Note :</b>			
<b>En-Vision Environmental Services, (Testing Laboratory), Surat</b>			
Note: The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/08 Revision No: 01 Date: 29.08.22.			
 <b>Tested By:</b>		 <b>Mr. Vasant Shah (Technical Manager)</b>	

**End of Report**

Page 1 of 2

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**NOISE MEASUREMENT REPORT**

**[A] NAME & ADDRESS OF CUSTOMER:**

M/S.SHREE DURGA SYNTEX PVT.LTD  
PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA, TAL: PALSANA,  
SURAT-394305.

Issue Date	28/03/2023
Report No.	230328_1718029_06A_054

**[B] DESCRIPTION OF SAMPLING :**

01. Sample Inward No : 230322_1718029_06A_054	05. Duration of Sampling : 24.0 HRS.
02. No of Location : 01	06. Date of Sample Received : 22.03.2023
03. Name of Sampling Team: A	07. Date of Analysis Start : 22.03.2023
04. Date of Sampling : 22.03.2023	08. Date of Analysis Completion : 22.03.2023
09. Name of Location : BOILER	
10. Test Method : STP No.: No, Issue No.01 & Date:01.04.2014, (Based on Instruction manual) Using noise level Meter with Data Logger.	

**[C] RESULT OF SAMPLE :**

Code	Unit	Time	Results
N1	db(A)	6:00	74.7
N2	db(A)	7:00	74.8
N3	db(A)	8:00	74.1
N4	db(A)	9:00	74.0
N5	db(A)	10:00	74.6
N6	db(A)	11:00	74.5
N7	db(A)	12:00	75.4
N8	db(A)	13:00	74.8
N9	db(A)	14:00	74.7
N10	db(A)	15:00	73.9
N11	db(A)	16:00	74.1
N12	db(A)	17:00	74.6
N13	db(A)	18:00	74.3
N14	db(A)	19:00	73.9
N15	db(A)	20:00	74.4
N16	db(A)	21:00	74.2

**Note :**

**En-Vision Environmental Services, (Testing Laboratory), Surat**

**Note:**

The results relate only to the items tested.

The test report shall not be reproduced except in full, without written approval of the laboratory.

Fmt No: LAB/FM/08 Revision No: 01 Date: 29.08.22.

Tested By:

Mr. Vasant Shah  
(Technical Manager)

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**



**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**NOISE MEASUREMENT REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT.LTD PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305..	<b>Issue Date</b>	28/03/2023	
	<b>Report No.</b>	230328_1718029_06A_054	
<b>[B] DESCRIPTION OF SAMPLING :</b>			
<b>01. Sample Inward No :</b> 230322_1718029_06A_054	<b>05. Duration of Sampling :</b> 24.0 HRS.		
<b>02. No of Location :</b> 01	<b>06. Date of Sample Received :</b> 22.03.2023		
<b>03. Name of Sampling Team:</b> A	<b>07. Date of Analysis Start :</b> 22.03.2023		
<b>04. Date of Sampling :</b> 22.03.2023	<b>08. Date of Analysis Completion :</b> 22.03.2023		
<b>09. Name of Location :</b> BOILER			
<b>10. Test Method :</b> STP No.: No, Issue No.01 & Date:01.04.2014, (Based on Instruction manual) Using noise level Meter with Data Logger.			
<b>[C] RESULT OF SAMPLE :</b>			
Code	Unit	Time	Results
N17	db(A)	22:00	74.1
N18	db(A)	23:00	74.4
N19	db(A)	00:00	73.6
N20	db(A)	1:00	74.8
N21	db(A)	2:00	74.7
N22	db(A)	3:00	74.5
N23	db(A)	4:00	74.3
N24	db(A)	5:00	73.9
<b>Note :</b>			
<b>En-Vision Environmental Services, (Testing Laboratory), Surat</b>			
Note: The results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of the laboratory. Fmt No: LAB/FM/08 Revision No: 01 Date: 29.08.22.			
 Tested By:	 <b>Mr. Vasant Shah</b> (Technical Manager)		

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
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M : 97277 51088  
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e : lab@en-vision.co.in

**NOISE MEASUREMENT REPORT**

**[A] NAME & ADDRESS OF CUSTOMER:**  
M/S.SHREE DURGA SYNTEX PVT.LTD  
PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA, TAL: PALSANA,  
SURAT-394305.

Issue Date	28/03/2023
Report No.	230328_1718029_06A_055

**[B] DESCRIPTION OF SAMPLING :**

01. Sample Inward No : 230323_1718029_06A_055	05. Duration of Sampling : 24.0 HRS.
02. No of Location : 01	06. Date of Sample Received : 24.03.2023
03. Name of Sampling Team: A	07. Date of Analysis Start : 24.03.2023
04. Date of Sampling : 23.03.2023	08. Date of Analysis Completion : 24.03.2023
09. Name of Location : MAIN GATE	
10. Test Method : STP No.: N <sub>6</sub> , Issue No.01 & Date:01.04.2014, (Based on Instruction manual) Using noise level Meter with Data Logger.	

**[C] RESULT OF SAMPLE :**

Code	Unit	Time	Results
N1	db(A)	6:00	67.9
N2	db(A)	7:00	69.1
N3	db(A)	8:00	68.4
N4	db(A)	9:00	69.2
N5	db(A)	10:00	67.0
N6	db(A)	11:00	64.9
N7	db(A)	12:00	66.8
N8	db(A)	13:00	67.3
N9	db(A)	14:00	67.1
N10	db(A)	15:00	68.2
N11	db(A)	16:00	68.7
N12	db(A)	17:00	68.0
N13	db(A)	18:00	67.8
N14	db(A)	19:00	68.1
N15	db(A)	20:00	68.4
N16	db(A)	21:00	66.8

**Note :**

**En-Vision Environmental Services, (Testing Laboratory), Surat**

**Note:**

The results relate only to the items tested.

The test report shall not be reproduced except in full, without written approval of the laboratory.

Fmt No: LAB/FM/08 Revision No: 01 Date: 29.08.22.

Tested By:

Mr. Vasant Shah  
(Technical Manager)



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**  
**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**


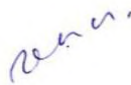


201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

End of Report

**NOISE MEASUREMENT REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT.LTD PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305..	<b>Issue Date</b>	28/03/2023																																				
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 <b>Tested By:</b>	 <b>Mr. Vasant Shah</b> <b>(Technical Manager)</b>																																					

End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**



201 & 301, Union Trade Center (UTC)  
Nr. Apple Hospital, Udhana Darwaja,  
Surat - 395 002

M : 97277 51088  
T : 0261-2344773  
e : info@en-vision.co.in  
e : lab@en-vision.co.in

**NOISE MEASUREMENT REPORT**

**[A] NAME & ADDRESS OF CUSTOMER:**

**M/S.SHREE DURGA SYNTEX PVT.LTD**  
PLOT NO. Z & E,  
BLOCK NO.128, 129,130 & 175,  
VILL: JOLVA, TAL: PALSANA,  
SURAT-394305.

Issue Date	28/03/2023
Report No.	230328_1718029_06A_056

**[B] DESCRIPTION OF SAMPLING :**

<b>01. Sample Inward No :</b> 230324_1718029_06A_056	<b>05. Duration of Sampling :</b> 24.0 HRS.
<b>02. No of Location :</b> 01	<b>06. Date of Sample Received :</b> 25.03.2023
<b>03. Name of Sampling Team:</b> A	<b>07. Date of Analysis Start :</b> 25.03.2023
<b>04. Date of Sampling :</b> 24.03.2023	<b>08. Date of Analysis Completion :</b> 25.03.2023
<b>09. Name of Location :</b> PLANT AREA	
<b>10. Test Method :</b> STP No.: N <sub>6</sub> , Issue No.01 & Date:01.04.2014, (Based on Instruction manual) Using noise level Meter with Data Logger.	

**[C] RESULT OF SAMPLE :**

Code	Unit	Time	Results
N1	db(A)	6:00	67.9
N2	db(A)	7:00	68.4
N3	db(A)	8:00	67.1
N4	db(A)	9:00	68.0
N5	db(A)	10:00	69.4
N6	db(A)	11:00	68.8
N7	db(A)	12:00	67.1
N8	db(A)	13:00	65.8
N9	db(A)	14:00	67.2
N10	db(A)	15:00	68.1
N11	db(A)	16:00	67.7
N12	db(A)	17:00	67.4
N13	db(A)	18:00	67.6
N14	db(A)	19:00	67.9
N15	db(A)	20:00	68.1
N16	db(A)	21:00	68.7

**Note :**

**En-Vision Environmental Services, (Testing Laboratory), Surat**

**Note:**

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Fmt No: LAB/FM/08 Revision No: 01 Date: 29.08.22.

  
Tested By:

  
**Mr. Vasant Shah**  
(Technical Manager)

**End of Report**

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**


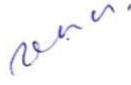
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**NOISE MEASUREMENT REPORT**

<b>[A] NAME &amp; ADDRESS OF CUSTOMER:</b> M/S.SHREE DURGA SYNTEX PVT.LTD PLOT NO. Z & E, BLOCK NO.128, 129,130 & 175, VILL: JOLVA, TAL: PALSANA, SURAT-394305.	<b>Issue Date</b>	28/03/2023																																				
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End of Report

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE-XI**

**INDUSTRIAL RISK LIABILITY (INSURANCE POLICY)**

THE NEW INDIA ASSURANCE CO. LTD.  
(Government of India Undertaking)



**POLICY SCHEDULE FOR PUBLIC LIABILITY (Industrial Risks) INSURANCE**

UIN NUMBER - IRDAN190P0078100001

<b>Insured's Name</b>	: SHREE DURGA SYNTEX PVT. LTD.		
<b>Insured's Details</b>		<b>Issuing Office Details</b>	
<b>Customer ID</b>	: PO55693549	<b>Office Code</b>	: CITY BRANCH B.O-I (230101)
<b>Address</b>	: BLOCK NO. 128/129/130 & 175, PLOT NO. Z & E, S.N. NO. 113/1, 120 & 120/1, VILLAGE: JOLVA, TAL: PALSANA, SURAT. CHALTHAN, GUJARAT, 394305	<b>Address</b>	: 1ST FLOOR, CENTER POINT NEAR KADIWALA HIGH SCHOOL RING ROAD, SURAT, 395002
<b>Phone No</b>	: XXXXXX6683	<b>Phone No</b>	: 02612464736 / 02612464737
<b>E-mail/Fax</b>	: dlgupta03@gmail.com, /	<b>E-mail/Fax</b>	: nia.230101@newindia.co.in / 02612463921
<b>PAN No</b>	: AABCD8894P	<b>S.Tax Regn. No</b>	: AAACN4165CST178
<b>GSTIN/UIN</b>	: 24AABCD8894P1ZV / NA	<b>GSTIN</b>	: 24AAACN4165C2ZW
		<b>SAC</b>	: 997139 (Other non-life insurance services excl RI)

<b>Policy Details</b>			
<b>Policy Number</b>	: 23010136220600000007	<b>Business Source Code</b>	
<b>Period of Insurance</b>	: From: 01/02/2023 05:53:56 PM To: 31/01/2024 11:59:59 PM	<b>Dev.Off. level/Broker/Corp. Agent/Web Aggregator/CPSC User</b>	: DIRECT BUSINESS - (1D4317076)
<b>Date of Proposal</b>	: 01-Feb-23	<b>Agent/Bancassurance/S pecified Person</b>	: Mr. JAGDISHKUMAR. KHIMCHAND KHATRI (NIAAG00078169) JAGDISHKUMAR. KHATRI (SI00204874)
<b>Prev. Policy no.</b>	: 23010136210600000010	<b>Phone No</b>	: 9067690674 / NA
<b>Client Type</b>	: Corporate	<b>E-mail/Fax</b>	: er.jagdish.khatri@gmail.com, / /

<b>Premium(₹)</b>	<b>GST(₹)</b>	<b>Total(₹)</b>	<b>Total (₹ in words)</b>	<b>Receipt No. &amp; Date</b>
109,398	19,692	1,29,090	RUPEES ONE LAC TWENTY-NINE THOUSAND NINETY ONLY	2301018122000002051 3 - 01/02/23

**Details of risk covered under current year policy:**

Retroactive Date	Jurisdiction	AOA	AOA:AOY	AOY	Deductible Type (Amount/Percentage/Amount & Percentage)	India	Deductibles	Worldwide excluding USA & Canada	Worldwide including USA & Canada
01/02/2018	India	50000000	1:1	50000000	AMT	250000	0	0	0

**Retroactive Dates**

Retroactive Date Details	Date	Jurisdiction	AOA	AOA:AOY	AOY	Deductible Type (Amount/Percentage/Amount & Percentage)	India	Deductibles	Worldwide excluding USA & Canada	Worldwide including USA & Canada
RETROACTIVE DATE 1	01/02/2018	India	50000000	1:1	50000000	AMT	250000	0	0	0

Signature Not Verified  
Digitally signed by JAGAT RAYEE  
PANIGRAHI  
Date: 2023.02.01 18:04:56 IST

Policy No. : 23010136220600000007 Document generated by 38724 at 01/02/2023 18:04:47 Hours.

Regd. & Head Office: New India Assurance Bldg., 87 M.G. Road, Fort, Mumbai - 400 001. TOLL FREE No. 1 800 209 1415.

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

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THE NEW INDIA ASSURANCE CO. LTD.  
(Government of India Undertaking)



RETRO-DATE IS SUBJECT TO LESSER OF LIMITS - NARROWER OF COVER.

Number of Units	Voluntary Excess
3	0

Type of Manufacturing unit
Manmade yarn/fibre manufacturing

**Extensions under the Policy**

Name of the Extension	Sub limit of the Extension	Deductibles of the Extension
Accidental pollution liability	0	As Per Policy Deductible
Carriage of effluents (Outside) the premises	0	As Per Policy Deductible
Godown cover	0	As Per Policy Deductible
Act of GOD cover	Y	As Per Policy Deductible

<b>Special Conditions</b>	All coverages, exclusions, warranties, terms and conditions shall be as per Standard Public Liability – Industrial Risk Insurance Policy. RO APPROVAL DT 01/08/2020 (1)BLOCK NO 128 129 130 &175 PLOT NO Z&E S NO 113/1 120&120/1 VILLAGE JOLWA TA PALSANA SURAT (2) BLOCK NO 310 PAIKI PLOT NO 28 PAIKI PLOT NO 27 AND BLOCK NO 311 PAIKI PLOT NO 28 SECOMD FLOOR VILLAGE TANTITHAIYA TA PALSANA SURAT
<b>Special Exclusions</b>	NA
<b>Special Excess/Deductible</b>	NA

This Policy shall be subject to PUBLIC LIABILITY INSURANCE policy clauses attached herewith

**Premium and GST Details**

	Rate of Tax	Amount in INR
Premium		₹ 1,09,398
SGST	9	9,846
CGST	9	9,846
IGST	0	0

In witness whereof the undersigned being duly authorised by the Insurers and on behalf of the Insurers has (have) hereunder set his (their) hand(s) on this 01st day of February, 2023.

For and on behalf of  
The New India Assurance Company Limited

Date of Issue: 01/02/2023

Duly Constituted Attorney(s)

Stamp Duty under the Policy is ₹1/-.

Mudrank number \_\_\_\_\_ Dt. \_\_\_\_\_ consolidated Stamp Fees Paid by Pay Order Number \_\_\_\_\_ vide receipt

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

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**ANNEXURE- XII**

**CSR ACTIVITY DETAILS**

<b>Date</b>	<b>Amount</b>	<b>Party</b>
04-11-2022	5,00,000	SRI AAKHIL BHARAT VARSHIYA SADHU MARGIYA SK JAIN
25-11-2022	1,01,000	SHREE GODHAM MAHATIRTH PATHMEDA
24-02-2023	44,000	FRIENDS OF TRIBALS SOCIETY
09-03-2023	5,00,000	GOPAL GAU JANHIT SEVA SANGH
21-03-2023	1,50,000	RAJASTHAN PARISHAD
Total	1,295,000	



CSR (1).pdf

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

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**Gujarat**

**ANNEXURE XIII**

**PAPER ADVERTISEMENT**

IRCON INTERNATIONAL LIMITED, 871 Someshwar Enclave Someshwar square Vadod Surat

Greater Noida

**PUBLIC NOTICE**

It is hereby informed that the state level environment impact assessment authority, Gujarat has accorded Environmental clearance vide Letter no. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018, dated 14th December 2018 to our proposed expansion project of Manmade Fibre Manufacturing Plant & CPP project-

"M/s. Shree Durga Syntex Pvt. Ltd." at Plot. No.: E & Z, Block. No.128, 129, 130 & 175, Vill. Jolwa, Ta. Palsana, Dist. Surat by M/s. Shree Durga Syntex Pvt. Ltd.

Under the provision of EIA Notification dated 14th September 2006. Copies of clearance letter may be seen at website of State Level Environment Impact Assessment authority at [http:// seiaa.gujarat.gov.in](http://seiaa.gujarat.gov.in) and are also available at Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar--382010.

For,  
Surat  
Date:24/12/2018  
Shree Durga Syntex Pvt. Ltd.

**SING FINANCE LIMITED**  
Span Trade Center, Opp. Kochrab ashram, Patdi, Ahmedabad

**POSSESSION NOTICE**  
**(IMMOVABLE PROPERTY)**

mitted, under Securitisation And Reconstruction of Financial Assets and Enforcement of red under Section 13(12) read with Rule 9 of the Security Interest (Enforcement) Rules. d Act, calling upon the following borrower/s to pay the amounts mentioned against their ilicable rates as mentioned in the said notices within 60 days from the date of receipt of ill the date of payment and/or realization.

DESCRIPTION OF SECURED ASSET	AMOUNT DEMANDED* (Rs.)	DATE OF DEMAND NOTICE	DATE OF POSSESSION
AT NO.904, 9 <sup>TH</sup> FLOOR, BUILDING NO.L. SHASHANDEVI SKY", OPP SHASHANK ROW ROSE VANKALA, CHORYASI, SURAT	Rs.39,03,415.41	09-2-2018	20-12-2018
NGALOW NO. D/09, SHIVAM BUNGALOW, KMRVILLA TOWNSHIP, SACHIN, GIDC USING ZONE, TALANGPUR CHORYASI, SURAT	Rs.37,28,177.70	16-11-2017	20-12-2018

able, incidental expenses, costs, charges etc incurred till the date of payment  
(1) ed to repay the Amounts due, Notice is hereby given to the borrower/s mentioned herein above in LIC Housing Finance Limited have taken Possession of properties/Secured Assets described herein of the said Act read with rule 9 of the Security Interest (Enforcement) Rules on the dates mentioned  
(2) so in general are hereby cautioned not to deal with the aforesaid properties/Secured Assets and any the mortgage of LIC Housing Finance Limited for the amount as mentioned herein above.

Authorized Officer  
LIC Housing Finance Limited.

Shree Shree tar  
1.810  
500  
Sumit Pro  
25/12/2018

**PUBLIC NOTICE**  
It is hereby informed Assessment Authority Gandhinagar-382 010, Setting up Expansion c Plant at Plot No. 7517, Kasa Colour Chem vi dated 01/11/2018, und September 2006. Copi Date : 01/11/2018

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

**ANNEXURE XIV**

**FUEL CONSUMPTION**

<b>SN</b>	<b>Month</b>	<b>COAL (MT/Month)</b>
<b>1</b>	<b>Oct 2022</b>	12,085.00
<b>2</b>	<b>Nov 2022</b>	11,560.00
<b>3</b>	<b>Dec 2022</b>	12,028.00
<b>4</b>	<b>Jan 2023</b>	12,186.00
<b>5</b>	<b>Feb 2023</b>	10,607.00
<b>6</b>	<b>Mar 2023</b>	3,512.00



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period - April 2022 TO September 2022**

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**ANNEXURE XV**

**NOC COPY OF PROPOSED EXPANSION**



**GUJARAT POLLUTION CONTROL BOARD**

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar 382 010

Phone : (079) 23222425

(079) 23232152

Fax : (079) 23232156

Website : www.gpcb.gov.in  
"Consent to Establish-Amendment (CTE-92897)"

BY R.P.A.D.

Date:

NO: GPCB/CCA-SRT-995(4)/ID\_21289/

To,

M/s. Shree Durga Syntex Pvt. Ltd.

Plot No:- Z & E, Block No:- 128,129,130, & 175,

Vill:- Jolva:- 394305,

Tal:- Palsana, Dist:- Surat.

Sub: Consent to Establish (NOC)-Amendment under Section 25 of Water Act 1974 and Section 21 of Air Act 1981

Ref: 1) Your application for CTE-Amendment no. 133903\_ received Dated. 05-03-2018.

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish-Amendment for enhancement of existing production capacity and addition of new products, installation of new Steam Boiler & Thermic fluid heater in existing industrial plant/activities located at Plot No:- Z & E, Block No:- 128,129,130, & 175, Vill:- Jolva:- 394305, Tal:- Palsana, Dist:- Surat. for the manufacturing of the following items:-**

Sr. No.	Product	Quantity as per CCA dated:25/07/2017	Proposed quantity as per CTE-Amendment quantity	Total quantity after CTE-Amendment
1	Fully Drawn Yarn	300 Tons/Day	200 Tons/Day	500 Tons/Day
2	Grey Cloth	2,50,000 Meters/Day	---	2,50,000 Meters/Day
3	Polyester Chips	600 Tons/Day	200 Tons/Day	800 Tons/Day
4	Power	3.25 MW 9.0 MW (Bagasse/gas based CPP)	21.0 MW (Coal/Lignite Based CPP)	33.25 MW
5	Partially Oriented Yarn/Texturised Yarn	---	300 Tons/Day	300 Tons/Day
6	Nylon-6 Chips/Nylon Yarn	---	200 Tons/Day	200 Tons/Day
<b>By-Product</b>				
1	Nylon Polymer Lumps	---	1.0 tones/day	1.0 tones/day

**SUBJECT TO THE FOLLOWING CONDITIONS:-**

1. The validity of this order will be up to years i.e. 09-05-2023.
2. Industry shall manage Solid Wastes generated from industrial activities as per Solid Waste Management Rules-2016 (solid waste as defined in Rule-3(46)).

**Clean Gujarat Green Gujarat**  
ISO-9001-2008 & ISO-14001 - 2004 Certified Organisation

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

3. As per Provisions of Rule 18 of Solid Waste Management Rules-2016 you are directed to make an arrangement in Utilities to replace at least five percent (5%) of your solid fuel requirement by 'refused derived fuel'.
4. Industry shall obtain NOC from CGWA as per order of Hon. National Green Tribunal for the withdrawal of ground water.
5. Unit shall comply with Solid Fuel Guidelines as well as Coal handling guidelines of the Board.
6. Industry shall provide dedicated storage facility for fly ash.
7. Industry shall comply with fly ash notification 1999 as amended from time to time.

**CONDITIONS UNDER WATER ACT 1974:**

1. Water Source: - Borewell.
2. The quantity of the fresh water consumption for industrial purpose, after proposed expansion, shall be increased from 774 KL/Day to 1109 KL/Day.
3. The quantity of the water consumption for domestic purpose, after proposed expansion, shall be increased from 25 KL/Day to 30 KL/Day.
4. The quantity of the industrial effluent to be generated from the manufacturing process and other ancillary industrial operations, after proposed expansion, shall be increased from 180 KL/Day to 549 KL/Day (Total Booked load in CETP: 420 KL/Day)
5. Industrial effluent, after necessary treatment shall be reused up to (397 KL/Day) & remaining shall be sent to CETP for further treatment. In no case industrial discharge of CETP shall increase 420 KL/Day.
6. Industry shall provide fixed pipeline with flow meter for the reuse of effluent and maintain its records.
7. The effluent treatment plant consisting of the following units, as proposed by you, shall be installed.
  - Screen chamber
  - Oil separation tank
  - Non pollution discarded water storage tank
  - Water transfer pump capacity
8. The quantity of the domestic waste water (Sewage), after proposed expansion, shall be increased from 22 KL/Day to 26 KL/Day.
9. Domestic effluent shall be disposed off through septic tank/soak pit system.
10. The applicant shall operate effluent treatment system efficiently so that effluent from the industrial unit shall conform to the CETP inlet norms mentioned below however the final discharge of treated effluent from CETP shall adhere to the prescribed standards for CETP of M/s. Palsana Enviro Protection Ltd(PEPL).

PARAMETERS	CETP INLET NORMS
PH	6.5 TO 8.5
Temperature	40° C
Colour (pt.co.scale) in units	100 units
Suspended Solids	300 mg/l
Oil and Grease	10 mg/l
Phenolic Compounds	1 mg/l
Sulphides	2 mg/l
Ammonical Nitrogen	50 mg/l
Total Chromium	2 mg/l
Hexavalent Chromium	0.1 mg/l
BOD (5 days at 20°C)	400 mg/l
COD	1000 mg/l

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat.,**

**Gujarat**

Total Dissolved Solids 2100 mg/l

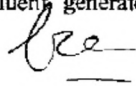
11. The final treated effluent conforming to the above standards shall be fully conveyed into CETP of M/s. Palsana Enviro Protection Ltd(PEPL) through underground drainage system of PEPL & in no case effluent shall be discharged in to Environment by any means.
12. In case of failure of CETP, applicant shall have to treat the trade effluent of their unit fully so as to achieve the quality of the treated effluent from their industrial premises as per the GPCB norms mentioned below:-

PARAMETERS	GPCB NORMS
PH	6.5 TO 8.5
Temperature	40 <sup>o</sup> C
Suspended Solids	100 mg/l
Oil and Grease	10 mg/l
Total Dissolved Solids	2100 mg/l
Phenolic Compounds	1 mg/l
Sulphides	2.0 mg/l
Ammonical Nitrogen	50 mg/l
Total Chromium	2 mg/l
Hexavalent Chromium	0.1 mg/l
BOD (5 days at 20 <sup>o</sup> C)	30 mg/l
COD	100 mg/l
Chlorides	600 mg/l
Sulphate	1000 mg/l

**OR**

The applicant shall either stop or curtail its production activities, if the effluent is not adequately treated by the CETP of PEPL to conform to the standards specified by G.P.C.B.

13. The applicant shall be responsible for conveyance of entire treated effluent to the CETP of M/s. PEPL & due care shall be taken to avoid any leakage or spillage of effluent during conveyance of treated effluent through drain.
14. Unit shall provide flow meters at inlet & outlet of ETP & maintain its record.
15. The applicant shall inform renewal/termination of CETP membership well in advance to GPCB.
16. The applicant shall be required to make storage facilities of adequate capacity to store the primary treated effluent for at least 48 hours by providing acid proof brick lined impervious tanks/HDPE tanks.
17. The applicant shall make fixed arrangement for disposal of the effluent, after primary treatment to the CETP. The unit shall not keep any by-pass line or system or loose or flexible pipe line for discharging effluent into the under ground drainage system of PEPL.
18. Leachate from the hazardous solid waste, if any, shall also be connected into a collection tank through leachate collection facilities and shall be conveyed alongwith industrial effluent to the CETP of PEPL.
19. Magnetic flow meters shall be installed at the inlet & outlet of effluent collection tanks/ETP to measure the quantity of effluent discharging in to underground drainage system of PEPL.
20. The ENTIRE quantity of industrial effluent shall have to be conveyed by PEPL. In no circumstances the effluent either treated or untreated shall be discharged any where else.
21. Disposal system for storm water shall be provided separately. In no circumstances storm water shall be mixed with the industrial effluent.
22. PEPL member unit have to modify / improve performance of existing Effluent treatment facilities for efficiency & adequacy in order to comply with prescribed in let standards.
23. The applicant shall keep accurate records of quantity of production of each product, quantity of water consumption, quantity of effluent generated and consumption of



**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

- electricity on day to day basis and required to submit the complied record of one month to GPCB & PEPL on or before fifth day of the succeeding month.
24. In case of shut-down of plant for more than three days for any reason, the PEPL unit member shall intimate to PEPL authority & GPCB well in advance for the better operation & management of CETP.
  25. The authorized representative of PEPL may have right of entry at any time for the purpose of inspection and monitoring the effluent collection facilities/ETP (if required) of the applicant.
  26. If the PEPL authority terminates the membership of the applicant for CETP, the PEPL member unit shall have to close down the manufacturing activities/industrial operation of the process plant immediately until the PEPL membership is resumed.
  27. The applicant shall put up at the entrance a board displaying PEPL membership number & date of joining of PEPL, the name of unit, particulars of the products/ process and the name of proprietor/partners /directors of the unit and the electricity consumer number as on the record of DGVCL.

**CONDITIONS UNDER AIR ACT 1981:**

28. The following shall be used as fuel in Steam Boiler, CPP Engines, & Thermic Fluid Heater and D.G.Set respectively.

Sr. No.	Fuel	Existing	Proposed	Quantity
1)	Imported Coal	80 Tons/day	450 tons/day	530 tons/day
	Lignite	-----	700 tons/day	700 tons/day
2)	Natural gas	76875 sq.cm/day	----	76875 sq.cm/day
3)	LDO	100 m <sup>3</sup> /day	----	100 m <sup>3</sup> /day
4)	Baggase	250 tons/day	-----	250 tons/day
5)	LDO			57 Lit/hr

29. The applicant shall install & operate air pollution control system in order to achieve norms prescribed below.
30. The flue gas emission through team Boiler, CPP Engines, & Thermic Fluid Heater and D.G.Set stack shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	Air Pollution Control system	Parameter	Permissible Limit
<b>Existing</b>					
1 to 3	Natural Gas Based CPP Engines - 3 Nos.	30 (each)	----	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100ppm 50ppm
4	Natural Gas Based Steam Boiler (1 TPH)	11	----	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100ppm 50ppm
5	Coal Based Thermic Fluid Heater (14000 U)	50	Electrostatic Precipitator	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm
6	Natural Gas Based Thermic Fluid Heater (200 U×2 nos) One Stand by	20		PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100ppm 50ppm

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

7	Natural Gas & LDO/FO Based Thermic Fluid Heater (10000 U) × 2 One Stand by	35		PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100ppm 50ppm
8	Captive Power Plant (9 MW)	80	Electro Static Precipitator	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100 ppm 50 ppm
<b>Proposed</b>					
1	Steam Boiler (70 TPH) for Coal based Power Plant (21 MW)	80	Economizer, Air Pre-heater, ESP	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100ppm 50ppm
2	Steam Boiler (23 TPH) for Coal based Power Plant (21 MW)				
3	Thermic Fluid Heater (Coal based) (18 million Kcal/hr)	50	ESP	PM SO <sub>2</sub> NO <sub>x</sub>	150 mg/NM <sup>3</sup> 100ppm 50ppm
4	Steam Boiler (2 TPH)				

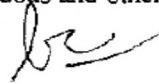
31. There shall be no process emission from the manufacturing process as well as any other ancillary process.
32. Industry shall take adequate measure to Control dusting due to storage, transportation & handling of Coal & fly ash.
33. Industry shall comply with Coal handling guideline of the Board.
34. Industry shall comply with fly ash notification 1999 as amended from time to time.
35. Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.
36. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10 meters from the sources (other than the stack/vent) shall not exceed the following levels.

PARAMETERS	PERMISSIBLE LIMIT
PM 10	100 Microgram/M3
PM 2.5	60 Microgram/M3
SO <sub>2</sub>	80 Microgram/M3
NO <sub>x</sub>	80 Microgram/M3

37. 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 standards in respect of noise to less than 75dB(A) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

**CONDITIONS UNDER HAZARDOUS WASTE RULES:**

38. Applicant shall have to comply with provisions of Hazardous and other Waste (Management and Trans Boundary Movement) Rules 2016.



Outward  
0328-0710018

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

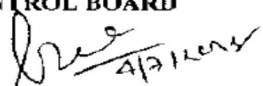
**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

39. The applicant shall obtain membership of common TSDF site for disposal of Hazardous waste as categorized in Hazardous and other Waste (Management and Trans Boundary Movement) Rules 2016.
40. The applicant shall obtain membership of common Hazardous Waste incinerator for disposal of incinerable waste.
41. The applicant shall provide temporary storage facilities for each type of Hazardous Waste as per Hazardous and other Waste (Management and Trans Boundary Movement) Rules 2016.
42. The applicant shall obtain registration/authorization for recycling/reprocessing any hazardous waste before procuring material/starting production as per HW Rules 2016.
43. The applicant shall obtain authorization for recovery/reuses of any hazardous waste material as per HW Rules 2016.

**GENERAL CONDITION :**

44. Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is atleast 1000 trees per acre of land and a green belt of 3 meters width is developed.
45. The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
46. In case of change of ownership/management the name and address of the new owners /partners/ directors/ proprietor should immediately be intimated to the Board.
47. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
48. The applicant also comply with the General conditions as per Annexure - I attached herewith (No.1 to 38) (whichever applicable).
49. The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:  
Between 6 A.M. and 10 P.M. : 75 dB(A)  
Between 10 P.M. and 6 A.M. : 70 dB(A)
50. Applicant is required to comply with the manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
51. If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property .in that case they are obliged to pay the compensation as determined by the competent authority.

**For and on behalf of  
GUJARAT POLLUTION CONTROL BOARD**

  
**(Smt U.K. Upadhyay)  
Environmental Engineer**

Outward No: 460328, 05/01/2018

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

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**ANNEXURE XVI**

**EC COPY 2009**

**F. No. J-11011/98/2009- IA II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)**

**Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003  
E-mail : [plahujarai@yahoo.com](mailto:plahujarai@yahoo.com)  
Telefax: 011 – 2436 3973  
Dated: April 13, 2009**

To,  
The Director  
**M/s Shree Durga Syntex Pvt. Ltd**  
Block no. 129 & 175, plot no. Z & E, Village: Jolva  
Taluka: Palsana, Dist: Surat, Gujarat

E-mail : [shreedurgasyntex@yahoo.co.in](mailto:shreedurgasyntex@yahoo.co.in)

Subject: Expansion project for Fully drawn Yarn, polyester Chips & Captive power plant at block no. 129 & 175, plot no. Z & E, Village: Jolva, Taluka: Palsana, Dist: Surat, Gujarat by M/s Shree Durga Syntex Pvt. Ltd - reg environmental clearance

**Sir,**

This has reference to your letter no. Nil Dated 6<sup>th</sup> February, 2009 along with Form-1 and pre-feasibility report on the above mentioned subject seeking environmental clearance under the Environmental Impact Assessment Notification, 2006.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that M/s Shree Durga Syntex Pvt. Ltd have proposed for expansion of capacities for Fully Drawn Yarn, Polyester Chips & Captive power plant at block no. 129 & 175, plot no. Z & E, Village: Jolva, Taluka: Palsana, Dist: Surat, Gujarat. The production capacity of Fully Drawn yarn will increase from 40 MTPD to 300 MTPD and captive power plant will increase from 3.25 MW to 12.25 MW. It is proposed to manufacture 600 MTPD of polyester chips by continuous polymerization. It is proposed to increase production capacity along with backward integration of polyester chips/ liquid polyester to avoid melting process of polyester chips for producing FDY. No eco-sensitive areas are located within 10 km radius of the plant. The proposed expansion will be carried within the existing unit having land area of 9000 m<sup>2</sup>, of which green belt will be developed in 33% of the total land area. Cost of the project is Rs.150.00 Crores, of which Rs. 30.00 lacs is earmarked for Environmental Protection Measures.

3.0 The total water requirement after the expansion will be 799 m<sup>3</sup>/d, which will be sourced from ground water source. Permission for drawl of 315m<sup>3</sup>/d of ground water was obtained on 12.10.2007. The waste water generation will be 202 m<sup>3</sup>/day. The domestic effluent (22m<sup>3</sup>/d) will be disposed of into septic tank followed by soak pit. Source of industrial wastewater (180 m<sup>3</sup>/d. will be from floor washing, cooling blow down, DM back wash and process condensate. The wastewater after passing through settling tank will be discharged in to the pipeline of PEPL, leading to PEPL- CETP. Power requirement will be met through the Captive power plant. Fuel requirement will be natural gas (72,000 m<sup>3</sup>/day) or FO/LDO (100 m<sup>3</sup>/day) Stack height of 30 m is proposed for existing Gas Engine(3Nos) and 50 m for proposed DG sets (3 nos), 30 m for proposed Gas Engine(3Nos) and 65 m for proposed DG sets (3 nos). Stack height of 11 m is proposed for steam boiler. There will not be any solid waste generation from the process or ETP.

-2-

4.0 The Petrochemical based processing units are listed at serial no. 5(e) of schedule of EIA Notification, 2006 and categorized under "A" or "B" category depending upon the location of the plant outside or inside the notified industrial area. In the instant case, the unit is located outside the industrial area hence this is a category "A" project and appraised by the Expert Appraisal committee (I) at centre.

5.0 The proposal was considered by the Expert Appraisal Committee (Industry) in its 92<sup>nd</sup> meeting held on 18<sup>th</sup> -20<sup>th</sup> March, 2009. The EAC (I) recommended the proposal for grant of

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

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environmental clearance under para 7(ii) of EIA Notification, 2006 exempting the project from preparation of EIA report and public hearing.

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

**A. SPECIFIC CONDITIONS:**

i. The industrial effluent generation shall not exceed 180m<sup>3</sup>/d. The effluent after treatment in the ETP and conforming to the prescribed standards shall be discharged into the pipeline of PEPL leading to CETP. The domestic effluent (22m<sup>3</sup>/d) shall be disposed through septic tank/soak pit.

ii. There shall not be any process emissions due to the proposed activity. For dispersion of gaseous emissions from the steam boiler and DG sets, adequate height as per CPCB standards shall be provided. Acoustic enclosures / treatment shall be given to the DG sets to mitigate noise pollution. Measures for control of NO<sub>x</sub> emissions shall be undertaken.

iii. The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MOEF, the respective Zonal office of CPCB and the State Pollution Control Board. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

iv. The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000. All Transportation of Hazardous Chemicals shall be *as per* the MVA, 1989.

-3-

i. The company shall undertake following Waste Minimization measures :-

Metering and control of quantities of active ingredients to minimize waste.

Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

Use of automated filling to minimize spillage.

Use of "Close Feed" system into batch reactors.

**Venting equipment through vapour recovery system.**

**Use of high pressure hoses for equipment clearing to reduce wastewater generation.**

ii. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by GPCB.

iii. During transfer of materials, spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.

iv. The adequate financial provisions shall be made in the budget of the project for implementation of the above suggested environmental safeguards. Fund so earmarked shall not be diverted for any other purposes.

v. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vi. The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.

vii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on



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regular basis. Training to all employees on handling of chemicals shall be imparted.

viii. Usage of PPEs by all employees/ workers shall be ensured.

ix. Permission to draw ground water shall be undertaken from the CGWB / State Ground Water Authority) as may be applicable to this case.

x. The company shall undertake rainwater harvesting measures to recharge the ground water as well as reduced consumption of water.

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**B. GENERAL CONDITIONS:**

i. The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board.

ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

iii. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.

iv. The gaseous emissions (NO<sub>x</sub>, SO<sub>2</sub> and SPM) and Particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Stack monitoring for SO<sub>2</sub>, NO<sub>x</sub> and SPM shall be carried.

v. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the up wind and downwind direction as well as where maximum ground level concentrations are anticipated.

vi. Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.

vii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

viii. The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the project report submitted to the Ministry. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.

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ix. The company will undertake all relevant measures for improving the Socio-economic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration

x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

xii. The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.

xiii. The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.

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xiv. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from who suggestions/representations, if any, were received while processing the proposal.

xv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated E C conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the State Pollution Control Board.

xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://envfor.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

xvii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

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

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

9.0 Any appeal against this environmental clearance shall lie with the National Appellate Authority, if preferred, within a period of 30 days as prescribed under section 11 of the National Environment Appellate Authority Act, 1997.

10.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003/ 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

**(Dr.P.L. Ahujarai)**  
**Director**

**Copy to:**

1. The Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8th Floor, Gandhi Nagar-382 010, Gujarat.
2. The Chief Conservator of Forests (Western Zone), Ministry of Environment & Forests, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

**(Dr.P.L. Ahujarai)**  
**Director**

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**ANNEXURE XVII**

**EC COPY 2018**

S. M. SAIYAD, IFS  
MEMBER SECRETARY  
SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY  
GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC/5(d)&1(d)/1346/2018

Date: 14 DEC 2018 By R P A D  
Time Limit

Sub: Environment Clearance to M/s. Shree Durga Syntex Pvt Ltd. for setting up expansion of Manmade Fibre manufacturing plant and CPP at Plot No. E & Z, Block No 128, 129, 130 & 175, Vill. Jolwa, Ta.: Palsana, Dist: Surat. In Category 5(d)&1(d) of Schedule annexed with EIA Notification dated 14/09/2006.

Ref: Your Proposal No. SIA/GJ/IND2/18454/2017.

Dear Sir,

This has reference to your application along with Form-I dated 14/07/2018 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 and additional information / documents submitted vide letter dated 19/09/2018 to the SEAC.

The proposal is for Environmental Clearance to M/s. Shree Durga Syntex Pvt Ltd. for setting up expansion of Manmade Fibre manufacturing plant and CPP at Plot No. E & Z, Block No 128, 129, 130 & 175, Vill. Jolwa, Ta.: Palsana, Dist: Surat. It is an existing unit for manufacturing following products, which falls in the category - 5(d)&1(d) of the schedule of the EIA Notification-2006:

Sr. no.	Name of the Products	CAS no. / CI no.	Quantity			End-use of the products
			Existing	Proposed	Total	
1	Polyester Chips	-	600 Tons/day	200 Tons/day	800 Tons/day	POY/FDY/ Making Fabric
2	Fully Drawn Yarn (FDY)	-	300 Tons/day	200 Tons/day	500 Tons/day	Making Fabric
3	Partially Oriented Yarn (POY)/ Texturised Yarn	-	--	300 Tons/day	300 Tons/day	Making Fabric
4	Nylon- 6 Chips/ Nylon Yarn	-	--	200 Tons/day	200 Tons/day	Making Fabric
5	Power	-	3.25 MW (Natural Gas Based) 9.0 MW (Biomass (Agro waste/baggase) & Coal (15% as auxiliary fuel) based Captive power plant)	21.0 MW (Coal/ Lignite Based) Captive power Plant	33.25 MW	Power Generation
<b>By-Product</b>						
6	Nylon Polymer Lumps	-	--	1.0 Tons/day	1.0 Tons/day	

The project activity is covered in 5(d)&1(d) and is of 'B' Category. Public hearing was conducted on 22/02/2018.

The SEAC, Gujarat vide their letter dated 22/11/2018 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 16/10/2018. The proposal was considered by SEIAA, Gujarat in its meeting held on 28/11/2018 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 subject to the compliance of the following conditions.

**A. CONDITIONS:**

**A. 1 SPECIFIC CONDITION:**

- Unit shall adopt proper methods for segregation of waste water streams based on characteristics at source and its sound management keeping in view direction under section 18 (1) (b) of the Water (Prevention and Control of Pollution) act, 1974 issued by CPCB regarding compliance of CETP.  
Unit shall not exceed waste water discharge quantity into CETP of M/s: PEPL as mentioned in the existing CC&A.

Office : Gujarat Pollution Control Board, "Paryavaran Bhavan" Sector-10 A, Gandhinagar-382010  
Phone No.:- (079) 232-32152,232-41514 Fax No.:- (079) 232-22784  
E-mail : msseiaagj@gmail.com, Website:- www.seiaa.gujarat.gov.in

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3. Unit shall comply the emission standards mentioned in the Notification by MoEF&CC vide no. S.O. 3305 (E) dated 07/12/2015 and amended time to time.
4. Unit shall use only imported coal as a fuel for proposed captive power plant and lignite shall be used only in unavoidable circumstance as per undertaking submitted. In such situation, lignite consumption shall not exceed 4900 MT/Month considering 700 MT/Day X 7 days).
5. Process Waste (Oligomer) (10 MT/Month) shall be sold out to the authorized actual users only.

**A. 2 WATER:**

6. Total water requirement for the project shall not exceed 4307 KLD. Unit shall reuse 2555 KLD of waste water from RO Permeate and Boiler condensate for Cooling tower and Boiler respectively. Hence, fresh water requirement shall not exceed 1139 KLD and it shall be met through 3-Nos. of existing Bore well. Prior permission from the concerned authority shall be obtained for withdrawal of water.
7. No ground water shall be tapped for the project requirements without prior permission from the competent authority.
8. Total Industrial wastewater generation after proposed expansion shall not exceed 549 KLD. (180.KL/day existing + 369 KL/day Proposed).
9. Unit shall continue to discharge 180 KLD of treated waste water to CETP-PEPL as per the existing CC&A. Ensure that there is no additional discharge to CETP.
10. Additional waste water to be generated from the proposed expansion shall not exceed 369 KLD and it shall be treated in proposed ETP followed by RO system (Cap. 400 KLD) & MEE system (Cap. 150 KLD).
11. RO permeate (240 KLD) and MEE condensate (127 KLD) shall be reused for cooling tower makeup.
12. Wastewater generated from washing activity for existing facility (40 KLD) shall be sent to CETP after treatment in existing ETP. Waste water generated from proposed washing activity (79 KLD) will be treated in proposed ETP, MF/UF & 2-stage RO followed by 4-stage MEE and treated water will be reuse in cooling tower make up water.
13. Wastewater generated from existing utilities (Boiler – 26 KLD & Cooling – 114 KLD) shall be treated in existing ETP and treated water send to CETP. Wastewater generated from proposed utilities (Boiler – 178 KLD & Cooling – 112 KLD) will be treated in MF/UF & 2-stage RO followed by 4-stage MEE and treated water will be reuse in cooling tower make up water.
14. The domestic wastewater generation shall not exceed 26 KLD and it shall be disposed in to the soak pit/septic tank.
15. Proper logbooks of ETP, water consumption, power consumption, reuse etc. shall be maintained and shall be furnished to the GPCB from time to time.
16. The unit shall provide metering facility at the inlet & outlet of the ETP, RO, MEE system & reuse system and maintain records for the same.
17. Proper logbooks of ETP, RO, MEE system, chemical consumption, quantities and qualities of effluent reuse, effluent discharge to CETP, power consumption etc. shall be maintained and shall be furnished to the GPCB from time to time.
18. The unit shall join and participate financially and technically for any common environmental facility / infrastructure as and when the same is taken up either by the GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

**A. 3 AIR:**

19. Unit shall not exceed fuel consumption for Steam Boiler and stand-by DG set as mentioned below:

Existing						
Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions	Air Pollution Control Measures (APCM)
1	Steam boiler	11 m	WHRB		SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
2	Thermic Fluid Heater (Natural Gas Based) (2.0 Lakhs Kcal/Hr.)	20 m (Common)	Natural Gas	22440 sq.cm/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
3	Thermic Fluid Heater (Natural Gas Based) (2.0 Lakhs Kcal/Hr.) (Stand by)				SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
4	Thermic Fluid Heater (Natural Gas Based/LDO) (10 Million Kcal/Hr.)	35.0 m (Common)			SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height

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5	Thermic Fluid Heater (LDO/NG Based) (10 Million Kcal/Hr.) (Stand by)		LDO	100 m <sup>3</sup> /day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
6	Thermic Fluid Heater (Coal based) (14 Million Kcal/Hr.)	50.0 m	Coal	80 MT/Day	SPM SO <sub>2</sub> NO <sub>x</sub>	Electrostatic Precipitator
7	Steam boiler (1 TPH)	11 m	Natural Gas	51500 sq.cm/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Adequate Stack height
8	* Natural Gas Based CPP Engines(3.25 MW)	30 m				Adequate Stack height
9	Steam Boiler (40 TPH) for Biomass (Agrowaste/baggase) & Coal (15% as auxiliary fuel) based Power Plant (9 MW) #	80.0 m	Bagasse & 15% Coal	250 ton/day & 35 MT/Day	SPM SO <sub>2</sub> NO <sub>x</sub>	Economizer, Air Pre-heater, Electrostatic Precipitator

**Proposed**

Sr. no.	Source of emission With Capacity	Stack Height (meter)	Type of Fuel	Quantity of Fuel MT/Day	Type of emissions i.e. Air Pollutants	Air Pollution Control Measures (APCM)
1	Steam Boiler (70 TPH) for Coal based Power Plant (21 MW) #	80.0 m	Imported Coal/Lignite	450 tons/day or 700 tons/day	SPM SO <sub>2</sub> NO <sub>x</sub>	Economizer, Air Pre-heater, Electrostatic Precipitator
2	Steam Boiler (23 TPH) for Coal based Power Plant (21 MW) #					
3	Thermic Fluid Heater (Coal based) (18 Million Kcal/Hr.)	50.0 m			SPM SO <sub>2</sub> NO <sub>x</sub>	Electrostatic Precipitator (ESP)
4	Steam boiler (2 TPH)					



20. Unit shall provide adequate APCM with flue gas generation sources as mentioned above:
21. There shall be no process gas emission from existing as well as from the proposed project.
22. Sulfur and ash content of the fuel to be used shall be analyzed and its record shall be maintained.
23. A long term study of radio activity and heavy metals contents on coal/lignite to be used shall be carried out through a reputed institute and results thereof analyzed regularly and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal/lignite and fly ash (including bottom ash) shall be put in place.
24. A flue gas stack of 80 m height shall be provided with online monitoring system to proposed Steam Boiler. Mercury emissions from stacks shall also be monitored on periodic basis. However, unit shall comply the specific condition no. 13 above regarding height of the Boiler stack.
25. High efficiency Electro Static Precipitators (ESP) with efficiency not less than 99.9% shall be installed for control of flue gas emission from the proposed Boilers. The ESP shall be operated efficiently to ensure that particulate matter emission does not exceed the GPCB norms. The control system shall be designed and integrated in plant DCS in such a way that if emission from ESP exceeds the specified standard prescribed in the Environment (Protection) Rules, 1986 as amended from time to time, utilization of boiler capacity shall reduce so that flue gas emission from the stack meets with the specified standards or boiler shall shut down totally.
26. Third party monitoring of the functioning of the ESP along with its efficiency shall be carried out once in a year through a reputed institute / organization.
27. Lime stone injection technology shall be adopted to control SO<sub>2</sub> and it shall be ensured that SO<sub>2</sub> levels in the ambient air do not exceed the prescribed standards.
28. The company shall prepare schedule and carry out regular preventive maintenance of mechanical and electrical parts of ESPs and assign responsibility of preventive maintenance to the senior officer of the company.
29. Measures shall be taken to reduce the process vapors emissions as far as possible.
30. The fugitive emission in the work zone environment shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time (e.g. Directors of Industrial Safety & Health). Following indicative guidelines shall also be followed to reduce the fugitive emission.
31. Internal roads shall be either concreted or asphalted or paved properly to reduce the fugitive emission during vehicular

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movement.

32. Air borne dust shall be controlled with water sprinklers at suitable locations in the plant.
33. A green belt shall be developed all around the plant boundary and also along the roads to mitigate fugitive & transport dust emission.
34. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out in the work zone area and ambient air.
35. For control of fugitive emission, VOCs, following steps shall be followed :
36. Closed handling and charging system shall be provided for chemicals.
37. Pumps shall be provided with mechanical seals to prevent leakages.
38. Airborne dust at all transfers operations/ points shall be controlled either by spraying water or providing enclosures.
39. Regular monitoring of ground level concentration of PM10, PM2.5, SO2, NOx & VOC shall be carried out in the impact zone and its records shall be maintained. Ambient air quality levels shall not exceed the standards stipulated by the GPCB. If at any stage these levels are found to exceed the prescribed limits, necessary additional control measures shall be taken immediately. The location of the stations and frequency of monitoring shall be decided in consultation with the GPCB.

**A. 4 SOLID / HAZARDOUS WASTE:**

40. The company shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB shall be obtained for collection / treatment / storage / disposal of hazardous wastes.
41. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
42. Hazardous / Solid waste management shall be as below:

Sr. no.	Type of Hazardous waste	Source of generation	Category per HW Rules.	Quantity (MT/Annum)			Disposal Method
				Existing	Proposed	Total	
1	Used Oil	Maintenance	5.1	1.0 KI/Year	2.0 KI/Year	3.0 KI/Year	Sent To GPCB Approved Recycler For Suitable Treatment
2	Discarded Containers/ Barrels/Liners/ Carboys/ Bags/ Plastic waste	Raw Material / Production	33.1	10 Tons /Year	15 Tons/Year	25 Tons/Year	Sent Back to Supplier/ To GPCB approved Recycler
3	Chemical Sludge from ETP	ETP	35.3	25.0 Tons/Year	50.0 Tons/Year	75.0 Tons/Year	Collection, Storage Transportation, Disposal at TSDF site (NECL, Nandesari, Baroda)
4	Process Waste (Oligomer)	Process	24.1	Nil	300.0 Tons/Year	300.0 Tons/Year	Collection, Storage Transportation, Disposal at TSDF site (NECL, Nandesari, Baroda)
5	Fly Ash from Boiler	Boiler	--	Nil	24000 Tons/Year	24000 Tons/Year	Sent To authorized Brick Manufacturer

43. Authorized end-users shall have permissions from the concerned authorities under the Rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 201
44. The unit shall obtain necessary permission from the nearby TSDF site and CHWIF.
45. Trucks/Tankers used for transportation of hazardous waste shall be in accordance with the provisions under the Motor Vehicle Act, 1988, and rules made there under.
46. The design of the Trucks/tankers shall be such that there is no spillage during transportation
47. All possible efforts shall be made for Co-Processing of the Hazardous waste prior to disposal into TSDF/CHWIF.
48. Management of fly ash (If any) shall be as per the Fly ash Notification 2009 & its amendment time to time and it shall be ensured that there is 100% utilization of fly ash to be generated from the unit.

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**A. 5 SAFETY:**

49. The occupier/manager shall strictly comply the provisions under the Factories Act 1948 and the Gujarat Factories Rules 1963.
50. Project specific process Safety Management System shall be developed as per the prevailing norms and it shall be implemented in letter and spirit.
51. Unit shall adopt automation system along with high safety measures for polymerization process.
52. The project authorities shall strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules (MSIHC) 1989, as amended time to time and the Public Liability Insurance Act for handling of hazardous chemicals etc. Necessary approvals from the Chief Controller of Explosives and concerned Govt. Authorities shall be obtained before commissioning of the project. Requisite On-site and Off-site Disaster Management Plans have to be prepared and implemented.
53. First Aid Box shall be made readily available in adequate quantity at all the times.
54. Main entry and exit shall be separate and clearly marked in the facility.
55. Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.
56. Storage of flammable chemicals shall be sufficiently away from the production area.
57. Sufficient number of fire extinguishers shall be provided near the plant and storage area.
58. All necessary precautionary measures shall be taken to avoid any kind of accident during storage and handling of toxic / hazardous chemicals.
59. All the toxic/hazardous chemicals shall be stored in optimum quantity and all necessary permissions in this regard shall be obtained before commencing the expansion activities.
60. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Risk Assessment report.
61. Flame proof electrical fittings shall be provided in flame proof zones or wherever applicable in Plant premises
62. Storage of hazardous chemicals shall be minimized and it shall be in multiple small capacity tanks / containers instead of one single large capacity tank / containers.
63. All the storage tanks shall be fitted with appropriate controls to avoid any leakages. Bund/dyke walls shall be provided for storage tanks for Hazardous Chemicals.
64. Handling and charging of the chemicals shall be done in closed manner by pumping or by vacuum transfer so that minimal human exposure occurs.
65. Tie up shall be done with nearby health care unit / doctor for seeking immediate medical attention in the case of emergency.
66. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
67. First Aid Box and required Antidotes for the chemicals used in the unit shall be made readily available in adequate quantity.
68. Training shall be imparted to all the workers on safety and health aspects of chemicals handling.
69. Occupational health surveillance of the workers shall be done and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken as per the Factories Act & Rules.
70. Transportation of hazardous chemicals shall be done as per the provisions of the Motor Vehicle Act & Rules.
71. The company shall implement all preventive and mitigation measures suggested in the Risk Assessment Report.
72. Necessary permissions from various statutory authorities like PESO, Factory Inspectorate and others shall be obtained prior to commissioning of the project.

**A. 6 NOISE:**

73. The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

**A. 7 CLEANER PRODUCTION AND WASTE MINIMISATION:**

74. The unit shall undertake the Cleaner Production Assessment study through a reputed institute / organization and shall form a CP team in the company. The recommendations thereof along with the compliance shall be furnished to the GPCB.
75. The company shall undertake various waste minimization measures such as :
76. *Metering and control of quantities of active ingredients to minimize waste.*
77. *Reuse of by-products from the process as raw materials or as raw materials substitutes.*
78. *Use of automated and close filling to minimize spillages.*
79. *Use of close feed system into batch reactors.*
80. *Venting equipment through vapour recovery system.*
81. *Use of high pressure hoses for cleaning to reduce wastewater generation.*
82. *Recycling of washes to subsequent batches.*
83. *Recycling of steam condensate*

**COMPLIANCE OF ENVIRONMENTAL CLEARANCE MINISTRY'S LETTER NO.:**

**F. No. SEIAA/GUJ/EC/5(d) & 1(d)/1346/2018- DATED: 14/12/2018**

**Period – April 2022 TO September 2022**

**Project Details - Expansion of Manmade Fiber manufacturing plant & CPPBy M/s. Shree Durga Syntex Pvt Ltd at Plot no.: E & Z, block no. 128, 129, 130 & 175, Village: Jolva, Taluka: Palsana, Dist: Surat., Gujarat**

84. Sweeping / mopping of floor instead of floor washing to avoid effluent generation.

85. Regular preventive maintenance for avoiding leakage, spillage etc.

**A. 8 GREEN BELT AND OTHER PLANTATION:**

86. The unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within the premises, the unit shall take up adequate plantation on road sides and suitable open areas in GIDC estate or any other open areas in consultation with the GIDC / GPCB and submit an action plan of plantation for next three years to the GPCB.

87. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

**B. OTHER CONDITIONS:**

88. In case of use of spray dryer, the unit shall provide the adequate & efficient APCMs with spray dryer so that there should not be any adverse impact on human health & environment. Unit shall carry out third party monitoring of the proposed Spray dryer & it's APCM through the credible institutes and study report for impacts on Environment and Human Health shall be submitted to GPCB every year along with half yearly compliance report.

89. The project proponent shall allocate the separate fund for Corporate Environment Responsibility (CER) in accordance to the MoEFCC's Office Memorandum No. F.No.22-65/2017-IA.III dated 01/05/2018 to carry out the activities under CER in affected area around the project. The entire activities proposed under CER shall be monitored and the monitoring report shall be submitted to the regional office of MoEFCC as a part of half-yearly compliance report and to district collector. The monitoring report shall be posted on the website of the project proponent.

90. All the recommendations, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s: Envision Enviro Technologies Pvt. Ltd., Surat was submitted by project proponent vide letter no. NIL dated 03/07/2018 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit.

91. Rain water harvesting of surface as well as rooftop runoff shall be undertaken and the same water shall be used for the various activities of the project to conserve fresh water as well as to recharge ground water. Before recharging the surface run off, pre-treatment must be done to remove suspended matter.

92. The unit shall join and participate financially and technically for any common environmental facility / infrastructure and when the same is taken up either by the Industrial Association or GIDC or GPCB or any such authority created for this purpose by the Govt. / GIDC.

93. Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting in addition the provision for solar water heating system shall also be provided.

94. The area earmarked as green area shall be used only for plantation and shall not be altered for any other purpose.

95. All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.

96. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.

97. In the event of failure of any pollution control system adopted by the unit, the unit shall be safely closed down and shall not be restarted until the desired efficiency of the control equipment has been achieved.

98. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.

99. During material transfer there shall be no spillages and garland drain shall be constructed to avoid mixing of accidental spillages with domestic wastewater or storm water.

100. Pucca flooring / impervious layer shall be provided in the work areas, chemical storage areas and chemical handling areas to minimize soil contamination.

101. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly.

102. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.

103. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

104. The project proponent shall comply all the conditions mentioned in "The Companies (Corporate Social Responsibility Policy) Rules, 2014" and its amendments from time to time in a letter and spirit.

105. The project management shall ensure that unit complies with all the environment protection measures, risk mitigation measures and safeguards recommended in the EMP report and Risk Assessment study report as well as proposed by project proponent.

106. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.



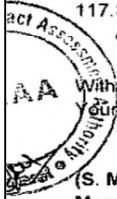
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107. The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
108. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
109. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
110. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
111. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
112. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
113. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
114. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
115. This environmental clearance is valid for seven years from the date of issue.
116. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
117. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.



With regards,  
Yours sincerely,

(S. M. SAIYAD)  
Member Secretary

**Issued to:**

**M/s. Shree Durga Syntex Pvt Ltd.  
Plot No. E & Z, Block No 128, 129, 130 & 175,  
Vill. Jolva, Ta.: Palsana, Dist: Surat**