



## **2021 ARCHROMA SUSTAINABILITY AWARDS**

### **Application Form**

**3. Title of the application:** (for ease of reference by the Jury and voters)

**# OneEarth**

**4. Award category**

Please choose one of the following award categories. If you wish to apply for several categories, please complete one application form per category.

I/we apply for the following category (select only one per form, 2 forms maximum):



- Business Win
- Diversity & inclusion
- Environment
- Excellence
- Innovation
- Safety First
- Sustainable partnership

### 5. Elevator pitch

**Please create a short text to describe your project/submission to describe it and convince jury and voters why they should select it.** (max 50 words)

To support “The Archroma Way to a Sustainable World” IT’S OUR NATURE, management of Jamshoro site took many steps to reduce carbon footprint, global warming, and pollution towards creating a clean environment. Archroma Jamshoro site is also involved in composting since last five years.

#### Key accomplishments towards sustainable environmental protection.

Sustainability KPIS	Base Line 2018	Current Status (Up to June 2022)
Specific Energy Consumption (GJ/ton)	4.3	3.43 (-20%)
Specific Water Consumption (m3/ton)	9.5	8.7 (-8.42%)
Specific Solid Waste Generation (kg/ton)	41.21	26.17 (-36.49%)
Specific CO2 Emissions (absolute)	0.30	0.24 (-20%)
Tree Plantations	5000 saplings during last three years	
Environmental Awards & Achievements:	<ul style="list-style-type: none"> <li>• Tree Plantation Awards 2019, 2020 &amp; 2021.</li> <li>• Environment Excellence Awards 2021 &amp; 2022.</li> </ul>	
Composting	<p>39,275 tons (approx.) Compost / manure prepared by Jamshoro site and utilized at site during last four years.</p> <p>Reduces environmental burden, landfill and enriches soil by using kitchen, office, and garden waste during composting process.</p>	

### 6. Describe how your project and its impact help achieving the category-specific criteria (Max. 1000 words)

Planet Earth is facing multifaceted challenges e.g., global warming, ozone depletion and pollution due to rapid environmental degradation. Archroma Pakistan believe that trees are extremely important to



reduce global warming, carbon footprint and pollution as well as create a clean environment. The lush green environment with hundreds of various trees at our manufacturing sites Jamshoro and Landhi is clear evidence of our green environmental policy.

Environmental protection is a top priority at Archroma Pakistan. It begins with product design and development, continues with the production process, resources utilized, warehousing & transportation and product safety. When product reaches the customer, it is at its best with reference to safety.

Archroma Pakistan Limited assign targets to various teams / individuals to minimize or efficient use of resources (energies) by adopting systematic approach. Management also supports teams through small investment with big impact (use technology to speeding and easing up the process significantly, optimize operations, intelligent use of resources, enhance the recycle and reuse concept by involving down line members).

**Energy reduction measures:** Installed VSD (Variable Speed Drives) on cooling towers and Water purification plants, resulting saving of 350000 KWh,

Replacement of lightings:

3000 nos. fluorescent tube lights of 40 Watts each with 10.5 Watts LED rods,

450 nos. High power lights (250 ~ 400 watts) with low power energy savers (45 ~ 65 watts),

Replacement of all labs false ceiling mounted fluorescent light fixtures of 72 watts with 18 watts caused for saving 700000 KWh.

Increased batch sizes at various production plants.

**Waste reduction measures:** Optimized operation of WWTP non colored RO through efficient use of biological treatment causing reduction of sludge (solid waste) generation and electricity consumption.

Reuse of empty packaging (bags) for sludge collection.

Enhanced recycle and reuse empty packaging (IBCs, drums, Jerry cans) for finish goods packing.

Recycle and Reuse of various product lab samples at production plant.

**Water reduction measures:** Recycle and reuse of washing water at other washing process at production plants (Dyes: Milling Mixing and vessel washing).

Optimized use of Eureka machine by introducing timers.

Introduction of high-pressure washing machine at indigo plant for vessel washing.

Condensate recovery

Introduction of floor cleaning machine at emulsion plant.

Archroma Pakistan has organized tree plantation drives at site premises and other outside areas. Government officials from Environmental protection Agency, Health department, Employees Old Age Benefit Institute, Academia, Police, NGOs, Celebrities, distinguished members of civil society have been invited. Around 5000 different saplings have been planted during last three years. Archroma Pakistan got Tree plantation Award in 2019, 2020 & 2021 in recognition of continuous drive of Tree plantation from Environmental NGOs.

Both sites of Jamshoro and Landhi also involved in composting since last five years and use the same manure for gardens and irrigation purpose.

We have showcased our achievements and success in recycling and reuse of waste by composting with neighbouring industries, NGOs and academia. This promotes composting knowledge and awareness in public and consequently helps in reducing environmental degradation by recycling and converting



of waste into organic manure. To recognize the contribution of environmental performances and achievements, Archroma Pakistan was awarded with Environment Excellence Awards 2019, 2021 & 2022 by National Forum for Environment & Health.

39,275 tons (approx.) Compost / manure was prepared by Jamshoro site and utilized. The use of kitchen, office and garden waste in composting process causing to reduce burden on environment and landfill.

**7. Describe how your project supports “The Archroma Way to a Sustainable World: Safe, efficient, enhanced, it’s our nature” (Max. 1000 words)**

Efficient resource utilization, Zero Liquid effluent discharge, reduction of solid waste generation and reduction of Greenhouse gas (GHG) emission (CO<sub>2</sub> emissions) from combustion process. Reduction of 20% energy consumption and CO<sub>2</sub> emissions compared to our baseline year FY2018 fully supports the Archroma Way to a Sustainable World: “Safe” and “Efficient pillars.



**8. Describe how your project demonstrates the company mindset “Everybody sells!” supported by our ACTS (Max. 1000 words)**

By arranging site visits and our state of art “Sustainable Effluent Treatment” SET plant based on ZERO liquid discharge and Waste management system for customers, academia groups, NGOs, Government officials, interneers to build positive image and branding of Archroma. Environmental compliances against local implemented environmental standards also a positive image of Archroma.

Sustainable Environmental accomplishments i.e. efficient utilization of resources (energies), Zero Liquid Discharge, reduction of solid waste generation, reduction of CO<sub>2</sub> emissions and environmental compliances are not possible without support of site team i.e. Production, Engineering, Maintenance, Waste management and Administration. Everybody is fully responsible for our ACTS.



**I declare to have read and accepted the privacy policy: <https://www.archroma.com/archroma-sustainability-awards-policy>**

**In case the submitted project belongs to a team, I declare that I have the authorization of all of them and that they have read and agreed with the privacy policy (attach to the submission!!!).**