**CLIMATE ACTION:**

**A Community-Based Environmental Initiative**

Proposed By:

**Hafsa Ayubi**

In Collaboration with:

**Indus Earth Trust**

**Zindagi Trust**

Date of submission:

**28th February, 2025**

Contact details of Organization:

**Indus Earth Trust**

**[(021) 35650020](https://www.google.com/search?q=Dawood+Foundation+Pakistan&oq=Dawood+Foundation+Pakistan&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIICAEQABgWGB4yCAgCEAAYFhgeMg0IAxAAGIYDGIAEGIoFMg0IBBAAGIYDGIAEGIoFMg0IBRAAGIYDGIAEGIoFMg0IBhAAGIYDGIAEGIoFMgoIBxAAGIAEGKIEMgoICBAAGIAEGKIEMgoICRAAGIAEGKIE0gEJODgwM2owajE1qAIIsAIB8QVLdKnBON9umA&sourceid=chrome&ie=UTF-8)**

**info@indusearthtrust.org**

**Zindagi Trust:**

**+92 21-35864344**

**Executive Summary**

Karachi, Pakistan’s largest city, faces severe environmental issues, including pollution, deforestation, and improper waste management. This project aims to address these problems through tree plantation drives, waste management awareness, and renewable energy promotion. The project will be implemented in public parks, schools, and selected residential areas with the help of local NGOs like Indus Earth Trust, Green Pakistan, and Saylani Welfare Trust.

We will conduct tree plantation campaigns, set up waste segregation bins, and promote solar energy awareness. The expected outcomes include better air quality, reduced waste pollution, and community engagement in climate-friendly practices. The estimated budget is PKR 950,000, and the project will be completed within six months.

**Introduction**

Karachi suffers from extreme pollution, poor waste disposal, and rapid deforestation. The city generates over 12,000 tons of waste daily, but much of it is not properly managed. Public spaces are disappearing due to urban expansion, and greenery is declining, leading to rising temperatures and poor air quality.

Many NGOs and community groups are working towards environmental sustainability, but more practical and community-driven projects are needed. This proposal aims to create a sustainable and scalable solution to improve Karachi’s climate conditions.

**Objectives**

* **Primary Objective:** Promote environmental sustainability in Karachi through tree plantation, waste management, and renewable energy awareness.
* **Secondary Objectives:**
  + Plant 5,000 trees in different areas of Karachi.
  + Set up waste segregation bins in 10 key locations to encourage recycling.
  + Conduct educational sessions in schools and universities on climate action and renewable energy.
  + Partner with local NGOs and government bodies to ensure long-term impact.

**Methodology/Approach**

1. **Community Assessment:** Conduct awareness campaigns in universities, schools, and local neighborhoods.
2. **Tree Plantation Drive:** Plant native trees in public parks, schools, and roadside areas with the help of volunteers.
3. **Waste Management Initiative:** Install recycling bins in key locations and educate people on proper waste disposal.
4. **Renewable Energy Awareness:** Promote solar energy solutions for homes and small businesses.
5. **Scholarship and Incentive Programs:** Provide financial support such as school supplies, uniforms, and stipends to encourage enrollment.
6. **Monitoring and Maintenance:** Collaborate with local NGOs and volunteers to ensure long-term project sustainability.

**Potential Risks and Mitigation Strategies**

* **Risk:** Low participation from the community → **Mitigation:** Offer certificates and incentives for volunteers.
* **Risk:** Trees not surviving due to lack of care → **Mitigation:** Assign community caretakers and conduct regular maintenance checks.
* **Risk:** Lack of proper waste disposal after bins are installed → **Mitigation:** Work with Karachi Municipal Corporation (KMC) for regular waste collection.

**Project Scope & Deliverables**

* **Scope:**
  + Implementation of tree plantation, waste management, and climate education in Karachi.
  + Community participation to ensure long-term sustainability.
  + Collaboration with local NGOs, universities, and municipal authorities.
* **Deliverables:**
  + 5,000 trees planted in different areas.
  + 10 waste segregation bins installed.
  + Awareness sessions conducted in 5 universities and 10 schools.

**Timeline**

| **Phase** | **Activity** | **Duration** |
| --- | --- | --- |
| 1 | Community Assessment | 1 month |
| 2 | Tree Plantation Drive | 2 months |
| 3 | Waste Management Implementation | 1 month |
| 4 | Renewable Energy Promotion | 2 months |
| 5 | Monitoring & Evaluation | Ongoing |

**Budget and Resource Allocation (for an estimate of 350 children)**

| **Expense** | **Estimated Cost** |
| --- | --- |
| Tree Plantation (5,000 saplings at PKR 150 each) | PKR 750000 |
| Waste Segregation Bins (10 locations @ PKR 5,000 each) | PKR 50000 |
| Educational Materials (Banners, Flyers, Posters) | PKR 25000 |
| Training Workshops (Rental, Speaker Fees, Refreshments) | PKR 40000 |
| Solar Awareness Campaign (Seminars, Flyers) | PKR 35000 |
| Miscellaneous (Transport, Volunteer Incentives) | PKR 35000 |
| Total Budget | PKR 260000 |

**Justification:** The tree plantation drive is the major cost due to the large number of saplings needed.

* Waste segregation bins will encourage proper waste disposal.
* Educational campaigns and workshops will ensure community awareness and engagement.

**Expected Impact and Benefits**

* **Environmental Benefits:** More trees will improve air quality and reduce pollution levels.
* **Community Benefits:** Increased awareness about climate action among Karachi residents.
* **Economic Benefits:** Lower electricity bills through solar energy awareness and recycling opportunities.
* **Sustainability:** Local community involvement will ensure long-term impact.

**Evaluation and Success Metrics**

* **Tree Survival Rate:** at least 80% of trees should survive after one year.
* **Waste Reduction:** measured by improving recycling rates in selected areas.
* **Community Engagement:** Number of volunteers and participants in campaigns.
* **Adoption of Solar Energy:** Increased interest and inquiries about solar power solutions.

**Conclusion**

This project offers a realistic and sustainable solution to Karachi’s climate challenges. By implementing tree plantation, waste management, and renewable energy awareness, we can reduce pollution, improve air quality, and educate the community on climate action. With support from NGOs, universities, and government bodies, we can make Karachi a greener and cleaner city.

**References/Bibliography**

* Indus Earth Trust (<https://indusearthtrust.org/>)
* Saylani Welfare Trust (<https://www.saylaniwelfare.com/>)