



#NeogenCARES

At Neogen, care isn't just a **commitment**. It's in our **DNA**.

Corporate Environment Responsibility (CER) Report

Dahej SEZ: Manufacturing Site

Neogen Chemicals Limited

Plot no Z/109, Dahej SEZ Village, Lakhigam, Ta. Vagara, Dist., Bharuch - 392 130, Gujarat.

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CHAIRMAN'S MESSAGE

Dear Friends,

Namaste!!

I am delighted to share the CER (Corporate Environmental Responsibility) Activity Report of Neogen Chemicals Limited (NCL/Neogen). We have been relentlessly striving to create a better world and improve the quality of life within communities through teamwork, active participation and the contributions of various stakeholders.

Our CER initiatives have been centered on fulfilling our Environmental, Social and Governance (ESG) responsibilities. Neogen Chemicals Limited has consistently provided sustainable solutions to communities, focusing on areas such as:

- Promoting Preservation of Clean and Sustainable Environment by undertaking various Tree Plantation and Waste Management project;
- Promoting Education by constructing laboratories, Infrastructures and sponsoring salary of Teachers;
- Providing clean drinking water facilities;
- Supporting Healthcare, Sanitation and Hygiene projects
- Rural infrastructure development

Our CER initiatives are aligned with the United Nations Sustainable Development Goals (SDGs).

Neogen is deeply grateful for the successful and effective implementation of these initiatives, which was made possible through collaboration and partnerships with district administrators, local bodies, NGOs, civil society organizations, experts, advisors, well-wishers and many others. Together, we have worked towards inclusive growth and the sustainable development of communities.

The design and execution of our projects and programs followed a participatory approach, addressing community needs and prioritizing the inclusion of underprivileged, vulnerable and marginalized sections of society.

We constantly thrive to make our projects and programs more effective and impactful. Our commitment to serving communities remains steadfast and we will persist in our efforts to create a better, more sustainable world for all.

I extend my heartfelt gratitude to the members of the Governing Board of Neogen for their valuable support and suggestions, as well as to all the team members of Neogen for their dedication and hard work in achieving these milestones.

Yours Sincerely
Haridas Kanani
Chairman and Managing Director

ABOUT NEOGEN CHEMICALS LIMITED

Incorporated in 1989, Neogen Chemicals is amongst India's leading manufacturers of bromine and lithium-based specialty chemicals.

The company operates through two key business segments steered by industry experts and leaders:

Organic Chemicals: Producing organic bromine compounds, advanced intermediates, specialty compounds and Grignard reagents.

Inorganic Chemicals: Focusing on specialty lithium-based chemical products.

We have expanded our expertise to manufacture advanced intermediates in the pharmaceutical, agrochemicals, flavours, and fragrance sectors. Our products are used in pharmaceutical and agrochemical intermediates, engineering fluids, electronic chemicals, polymer additives, water treatment, construction chemicals, and aroma chemicals, flavours and fragrances, specialty polymers, Chemicals and Vapour Absorption Chillers – original-equipment manufacturers and with new upcoming usage in lithium-ion battery materials for energy storage and Electric Vehicles (EV) application. Additionally, we engage in custom synthesis and contract manufacturing, where products are developed and tailored for specific customers, with in-house process know-how and technical specifications. We have significantly expanded our product range and currently offer an extensive portfolio of over 246 products across diverse industries in India and globally.

Apart from catering to the domestic market, Neogen has, so far, exported to 31 countries including USA, UK, France, Germany, Spain, Italy, Japan, Mexico, Canada, South Korea, Netherlands, Belgium, Switzerland, Sweden, Denmark, Greece, Poland, Czech Republic, UAE, Saudi Arabia, Israel, Egypt, Taiwan, Australia, Ireland, and China. Among these, Europe (UK, Spain, France, Germany, and Italy), USA and Japan remain our largest markets.

Neogen Group functions out of its four state-of-the-art manufacturing facilities. These are located at Mahape, Navi Mumbai, Maharashtra, Karakhadi in Vadodara, Gujarat, Dahej SEZ, Bharuch in Gujarat and Sangareddy, Hyderabad spanning over ~ 58 acres in India. In May 2023, the Company acquired 100% stake in BuLi Chem, which operates out of its manufacturing unit located in Sangareddy, Hyderabad spread across ~ 5 acres and has now become a wholly owned subsidiary of Neogen Chemicals Limited. In December 2023, Neogen Ionics, a wholly owned subsidiary of Neogen Chemicals Limited acquired 65 acres of land in Pakhajan, Dahej PCPIR, Gujarat dedicated for projects related to battery materials and new future business opportunities. Together, these add up to around 123 acres of land.

With completion of Phase I and Phase II Expansions at Dahej SEZ, other brownfield expansions and recent acquisition of a facility at Hyderabad, the total organic chemicals manufacturing capacity of the Company increased from 1.30 m³ to 4.63 m³ of Reactor Capacity and the aggregate manufacturing capacity of Inorganic Chemicals has increased from 2.40 m³ to 39 m³.

In pursuit of our expansion strategy and as an integral step in establishing a greenfield project, Neogen Ionics Limited, our wholly-owned subsidiary, completed a land acquisition totalling 65 acres in Pakhajan, Dahej PCPIR, Gujarat. This greenfield site will house a world-class, state-of-the-art battery material facility, set to be our largest, dedicated to battery materials and emerging business opportunities. As part of this project, we will set up the plant to manufacture 30,000 MT of electrolytes and 3,000 MT of electrolyte salts and additives. Once operational, the plant is expected to meet the increasing demand from lithium-

ion cell manufacturers in India and address the growing international OEM demand for electrolyte salts and additives.

NCL is honoured to be a recipient of this first-ever license issued by MU Ionic Solutions (MUIS) (a JV between Mitsubishi Chemical Corporation (MCC) and UBE Corporation and is a group company of The Mitsubishi Chemical Group (the group) a Japanese conglomerate) for availing its proprietary and confidential manufacturing technology for making Neogen's electrolyte solutions at its manufacturing facility in India with a planned max installed capacity of upto 30,000 MT per annum . These electrolytes will be targeted by Neogen to meet the growing demand of lithium-ion cell manufacturers in India. This positions Neogen as a trusted partner in the battery supply chain, leveraging over three decades of expertise in lithium chemistry.

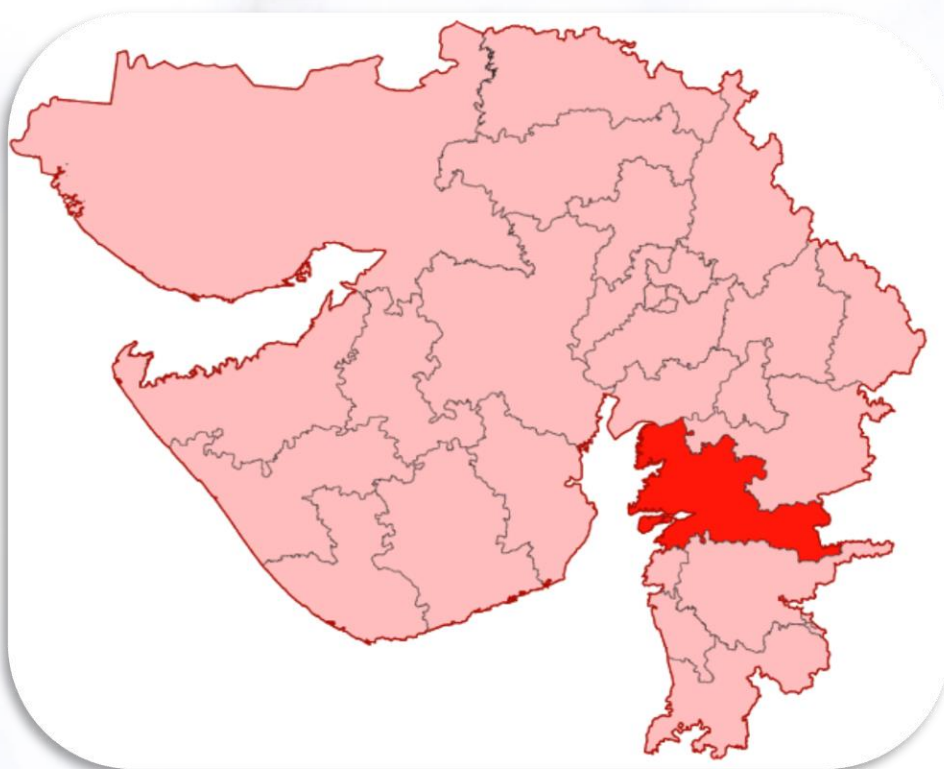
The group's 3-decade long electrolyte manufacturing experience will be extremely beneficial for Neogen to build a robust global quality and safety standards approved electrolyte plant in India. With this arrangement, Neogen will be the first Indian company to have a proven global technology, to manufacture electrolytes at scale for lithium-ion batteries. This will allow Neogen to further enhance confidence of Indian customers.

In addition, the Company has plans to utilise its three decades of expertise in lithium chemistry for manufacturing Specialty Lithium Salts and additives for Electrolyte used in lithium-ion battery advance chemistry cells, to produce electrolytes and lithium salts required for electrolytes.

Neogen is committed to sustainability, innovation, and excellence, and upholds global standards in quality and safety. The company continues to contribute to scientific advancements and environmental stewardship in India and globally.

Please visit: <https://neogenchem.com/>

CER ACTIVITY OUTREACH
BHARUCH DISTRICT (GUJARAT)



CER activities carried out.

NCL has undertaken several Corporate Environmental Responsibility (CER) activities, focusing on sustainable improvement in the quality of life for communities around the SEZ area near Dahej. These initiatives are funded through NCL's CER funds. This Report is with reference to our online proposal No. IA/GJ/IND2/100557/2019 dated August 31,2019 for Environmental Clearance and the Environment Clearance granted by you vide your letter dated January 7, 2020 with reference no. **F. No.J-11011 /117 /2019-IA-II (I)**.

The focus areas include:

- **Preservation of Environment:** Undertaking activities such as tree plantation and Waste Management Projects to promote environmental sustainability.
- **Educational Activities:** Supporting access to quality education and related infrastructure.
- **Water Facilities:** Ensuring availability of clean drinking water facilities to villagers for domestic purposes.
- **Public Health, Sanitation and Family Welfare:** Enhancing healthcare services and promoting family well-being.

CER ACTIVITIES CARRIED OUT FROM THE YEAR 2020 TILL 2024

I. PRESERVATION OF ENVIRONMENT PROJECTS:

1. It was observed that the villages around Dahej faced significant challenges with inadequate waste management, leading to widespread plastic and garbage accumulation. To address this issue, Neogen Chemicals Limited initiated a "**Clean, Green and Healthy Village (SUGHAD)**" project in collaboration with the NGO Vikas Centre for Development. As part of this initiative, local residents were trained to manage dry and wet waste effectively. Two separate bins were provided to segregate dry and wet waste, which was then regularly collected. A dedicated team of village women volunteers now oversees the cleanliness of the villages.

This project has successfully established a sustainable model of five clean villages around the Dahej area. We hope that this model will inspire other organizations to undertake similar initiatives, contributing to improved living conditions in rural areas and the total amount contributed towards this is **Rs. 60.06 Lakhs**. Detailed Project Report is enclosed herewith as **Annexure -1**.



2. Neogen Chemicals Limited has contributed towards plantation of **1,87,475 mangroves** and maintenance of these mangroves thereafter, across **75 hectares** in Ambheta village (Taluka Vagra, District Bharuch) in collaboration with the implementing agency Vikas Centre for Development. This project, which commenced in April 2024, aims to create a "GREEN ARMY" to prevent land erosion in coastal areas and the total amount contributed towards the project was **Rs. 53.85 Lakhs**. Detailed Project Report is enclosed herewith as **Annexure -2**.



3. NCL successfully planted **10,000 trees** using the Miyawaki technique and has developed a green belt in an area admeasuring **2000 Sq. Meters**, in collaboration with the "Socleen Society for Clean Environment" of Baroda. This project was carried out at Lakhigam Government High School. The forest has now fully matured and no longer requires further care, marking a significant achievement. It stands as the largest Miyawaki forest in the Bharuch, Vadodara and Ankleshwar districts and the total amount contributed towards this is **Rs. 17.15 Lakhs**. Detailed Project Report is enclosed herewith as **Annexure -3**.





4. Neogen has contributed **Rs. 13.20 lakhs** towards plantation of **2200 tree** in collaboration with Gujarat Ecology Society at Nandida village. This project started in June 2024. The plantation was completed, and the villagers have promised to take care of the plants. Detailed Project Report is enclosed herewith as **Annexure -4**.



5. Neogen has contributed **Rs.7.15 lakhs** Green Belt Development & Children Play Corner has been done in Lakhigam village, at 2 kms distance from the Neogen Chemicals Limited - Dahej plant. This Project will benefit all the people living near lakhigam village area and it will also benefit the students of Lakhigam Government High School as they would have a clean Play Corner.



6. Neogen Chemicals Limited undertook a project of plantation of **250-tree** at the SEZ-2 area. This project was implemented in collaboration with Sadbhavna Seva Foundation. The plantation has been successfully completed and the team members of Sadbhavna Seva Foundation, Rajkot have committed to taking care of these plantations and ensuring their regular maintenance. The total amount contributed towards this project was **Rs. 3.75 Lakhs**.





- 200 Home family Compost Green Bins were provided as part of “My Liveable Bharuch” on the request of Bharuch collector by contributing **Rs. 3.58 lakhs**. This project will be benefit over 200 Families in Bharuch city.



II. EDUCATION PROJECTS

1. NCL supported the establishment of **two (2) science laboratories** by contributing **Rs. 25 lakhs** at PJ Chadha Janta Vidyalaya in Dahej, managed by the Dahej Department Education Board. This initiative will benefit approximately 500 students from within a 10 km radius of Dahej area in this FY 2024-25 and all the prospective students in future.



2. Neogen has supported annual salary amounting to **Rs. 2.88 Lakhs** of Two Arts and Computer teachers at Government Primary School, at Lakhigam Village and the annual salary of a one teacher of Sarkari Madhyamik Shala - Lakhigam, Bharuch District amounting to **Rs. 1.44 lakhs**.



3. Neogen provided school uniforms to 220 students of Government Primary school, at Lakhigam village and the total amount contributed was **Rs. 1.34 Lakhs**.



4. Neogen has provided books at Public Library Dahej with around 300 beneficiaries through Sarvajanik Vikas Trust and the total amount contributed was **Rs. 0.11 Lakhs**.



5. Neogen has provided educational and health support to the children of workers working in 3 salt pan areas children through Gram Vikas Trust (GVT) Bharuch with around 80 student beneficiaries and the total amount contributed was **Rs. 0.16 Lakhs**.

III. WATER FACILITIES

1. The Gujarat Ecological Society proposed a Sewage Treatment Plant project, which Neogen had agreed to support by installing a **5 KLD capacity** machine costing around **Rs. 29.54 lakhs** in Akhod and Nandida village. This initiative has successfully treated domestic wastewater, making it reusable for farming and other community needs.

The project has achieved its target, and the success has inspired residents of nearby villages to advocate for similar projects, either through government initiatives or with the support of other companies. Detailed Project Report is enclosed herewith as **Annexure -5**.



IV. PUBLIC HEALTH, SANITATION AND FAMILY WELFARE PROJECTS:

1. In Lakhigam village, a door to door dry and wet waste collection van was provided by NCL in order to preserve the environment and to maintain public hygiene and sanitation and the total amount contributed towards this is **Rs. 5.10 Lakhs** and total number of beneficiaries is around 1000 families at Lakhigam Village.



2. Handwash Station was provided for over 700+ students in Lakhigam and Luvara, Government Primary school was provided by NCL which helped school children to maintain personal hygiene, and the total amount contributed is **Rs. 0.59 Lakhs**.



3. A fogging machine was provided to the Lakhigam villagers to prevent them from Malaria under Public Health and Family Welfare project. This machine runs and is maintained by Lakhigam Gram Panchayat. With this initiative of providing Fogging Machine, NCL has supported to improve the health of village people and prevent malaria, and the total amount contributed towards this was **Rs. 0.25 Lakhs**.



FINANCIAL FACTS

Budgeted vis- a- vis Actual Spend for spend of Rs. 225 lakhs towards CER activities are as given hereunder:

CER Activities - Dahej Unit	Budgeted (Rs. in Lakhs)	Budgeted Spend (%)	Total Actual Spend (Rs. in Lakhs)	Actual Spend (%)
Preservation of Environment, Rainwater harvesting & tree plantation.	84	37.33	158.74	70.51
Educational activities	38	16.89	30.93	13.73
Drinking Water Facilities	71	31.56	29.54	13.12
Public health, Sanitation and family welfare	32	14.22	5.93	2.63
Total	225	100	225.14	100

As a responsible Company, Neogen is focused in improving quality of life for the communities where it operates. Being a Specialty Chemical Manufacturing Company committed to clean and green technology, we had a same approach while making CER contribution with focus area being environment sustainability and improving and empowering the livelihood of surrounding rural communities by supporting towards their health and wellness, education, rural development, sanitation and hygiene needs especially those that are marginalized.

The variance from budgeted utilization arises due to our strategic prioritization of environmental preservation projects, aligning with our role as a chemical company committed to sustainable development. While the actual CER contribution towards the Preservation of Environment, Rainwater Harvesting and Tree Plantation has exceeded projections, these initiatives generate far-reaching benefits that extend across other focus areas.

Public Health Impact: Activities such as waste management under Clean, Green and Healthy Village (SUGHAD)" project, compost bin installations, Sewage Treatment Plant, tree plantation and clean village campaigns thereby improved hygiene and reduce health risks, contributing to the health, sanitation and welfare of the community at large in the nearby vicinity.

Education: Training and awareness programs conducted under environmental campaigns and plantation programmes, enhanced community knowledge and engagement, thereby supporting the education sector.

Drinking Water Facilities: Sewage treatment project improved water availability and quality, addressing long-term water sustainability issues.

These interconnected projects create a circular impact across multiple focus areas, justifying the variance in expenditure. By prioritizing environmental health, we ensure sustainable, long-term benefits for the communities we serve, addressing not only immediate needs but also laying the groundwork for holistic development.

TESTIMONIALS

અખોડ ગામમાં ગ્રે વોટર ટ્રીટમેન્ટ પ્લાન્ટનું લોકાર્પણ કરવામાં આવ્યું



ભરૂચ | ભરૂચ જિલ્લાના વાગરા તાલુકાના અખોડ ગામમાં ગ્રે વોટર ટ્રીટમેન્ટ પ્લાન્ટનું નિયામક નૈતિકા પટેલના હસ્તે લોકાર્પણ કરવામાં આવ્યું હતું. જેમાં ગ્રામ વિકાસ એજન્સીના એસબીએમ જિલ્લા કો-ઓર્ડિનેટર દિપક પટેલ સહિત અન્ય કર્મચારીઓ પણ ઉપસ્થિત રહ્યા હતા.



ભરૂચ-અંકલેશ્વર 21-10-2024

વાગરાના 5 ગામના સ્વચ્છતા સમિતિના સભ્યોની તાલીમ શિબિર યોજાઈ



ભરૂચ | ભરૂચ જિલ્લાના સ્વચ્છ ભારત મિશન ગ્રામીણ તથા વિકાસ કેન્દ્ર તેમજ નિયોજનકેમિકલ કંપનીના સહયોગથી બે દિવસીય તાલીમનું આયોજન કરવામાં આવ્યું હતું. ભરૂચ જિલ્લાના વાગરા તાલુકાના પાંચ ગામોની એસ.બી.એમ. યોજના હેઠળ સ્વચ્છતા સમિતિના સભ્યો જેમાં ગામના સરપંચ, સમી મંડળની બહેનો તથા ગ્રામ પંચાયતના સભ્યોને ધન કચરાના વ્યવસ્થાપન યુનિટ અતુલ ફાઉન્ડેશન, વલસાડ ખાતે એક્સપોઝર વિઝીટ દ્વારા માર્ગદર્શન આપવામાં આવ્યું હતું.



ભરૂચ-અંકલેશ્વર 24-08-2024

વાગરાના સુવા ખાતે વિકાસ સંસ્થા અંતર્ગત ક્ષમતા વર્ધન તાલીમ યોજાઈ



વાગરા | વાગરા તાલુકાના સુવા ગામે સ્વચ્છ ભારત મિશન ગ્રામીણ હેઠળ ડી.સી અને તાલુકા ના સહયોગ અને વિકાસ સંસ્થા તથા નિયોજન કેમિકલ્સ લિમિટેડ દહેજના સંયુક્ત ઉપક્રમે સુવા ખાતે કાર્યક્રમમાં જીલ્લા કક્ષાના કન્સન્ટન્ટ, તાલુકા કક્ષાના બ્લોક એન્જિનિયર વાગરા ક્લસ્ટર કો-ઓર્ડિનેટર વાગરા અને વિકાસ સંસ્થા ના પરચોતમભાઈ સોનગરા ,નિયોજન કંપની કર્મચારીઓ હસ્તે સુવા ગામે વિકાસ સંસ્થા અંતર્ગત ગ્રામ્ય કક્ષાની અમલીકરણ અર્થે ક્ષમતા વર્ધન તાલીમ યોજવામા આવી હતી.



ભરૂચ-અંકલેશ્વર 27-07-2024

વાગરાના નાદીડા ખાતે ડોર ટુ ડોર કલેક્શન માટે ડસ્ટબિન અપાઈ



ભરૂચ | વાગરા તાલુકાના નાદીડા ગામે સ્વચ્છ ભારત મિશન ગ્રામીણ હેઠળ ડી.સી અને તાલુકા ના સહયોગ અને વિકાસ સંસ્થા તથા નિયોજન કેમિકલ્સ લિમિટેડ દહેજ ના સંયુક્ત ઉપક્રમે નાદીડા ખાતે કાર્યક્રમમાં જીલ્લા કક્ષાના કન્સન્ટન્ટ, ડેટા એન્ટ્રી ઓપરેટર, તાલુકા કક્ષાના બ્લોક એન્જિનિયર વાગરા ક્લસ્ટર કો-ઓર્ડિનેટર વાગરા સહિત નિયોજન કંપની કર્મચારીઓ હસ્તે નાદીડા ગામે કુલ ૩૦૯ કુટુંબોમા ડસ્ટબિનનું વિતરણ કરવામાં આવ્યું હતું.



The UN Sustainable Development Goals (SDGs) provide a powerful framework for focusing attention and resources on the world's greatest challenges, including economic empowerment, human rights, health and environmental sustainability. Neogen is actively engaging with various stakeholders on SDGs where it can offer strategic insights and foster collaboration.

While we value all 17 SDGs, we focus on those most relevant to our business and core principles. As a business-to-business company, we play a role in vast production cycles and strive to help our customers achieve their goals, meeting consumers' increasing demand for sustainable products.

In principle, we support all 17 SDGs; however, we have identified specific areas where we can make the most meaningful contributions. These focus areas allow us to create considerable value and align our efforts with our mission of sustainable progress.



Neogen Sustainability Goals

Neogen's Sustainability Goals - comprising Innovation, Security and Carbon Footprint - are closely aligned with and support the achievement of the UN Sustainable Development Goals (SDGs). At NCL, we are making dedicated efforts to contribute towards these SDGs through both our personal and professional endeavours. These efforts have a direct and indirect impact on the environment, as well as on the health and safety of surrounding communities.



6th January 2025

To
Manager
NEOGEN Chemicals Ltd
402/403, Sears Tower,
Next to Narmada Canal.
Gotri – Sevashi Main Road, Sevashi
Vadodara District
Gujarat 391101

Sub: Summary reports of Projects carried out under CER – Corporate Environment Responsibility

Dear Sir,

Greetings from VIKAS CFD!

Attached please find Summary Reports of projects being carried out by the company under CER- Corporate Environment Responsibility.

The projects are:

- 1) SEED Sustainable Environment & Ecological Development – A mangrove Plantation Project at Ambheta Village, Dahej Region, Vagra taluka, Bharuch district, Gujarat covering an area of 75 hectares.
- 2) SUGHAD – Sanitation Maintenance Support Programme, a Solid waste Management programme covering five villages of Dahej Region, Vagra taluka, Bharuch district, Gujarat.

Hope the reports are in order,

With regards,



Rajesh J. Shah

Rajesh Shah
Managing Trustee

Encl: As above



Annexure -2

SUGHAD–Sanitation Maintenance Support Programme

A project to manage domestic waste in five villages of Dahej region, Vagra taluka, Bharuch district, Gujarat

An initiative of

NEOGEN CHEMICALS LTD

402/403, Sears Tower, Next to Narmada Canal, Gotri- Sevashi Main Road, Sevashi, District – VADODARA, GUJARAT- 391101.

Under Corporate Environment Responsibility:

Project Implementing Organisation:

VIKAS Centre for Development, ISHAVASYAM, Opp. Lajpatnagar Society, Eeshita Towers Road, Navrangpura, Ahmedabad 380 009

Introduction:

The Dahej region being a hot arid climatic zone, in the villages, external environment play an important role. Due the climatic conditions people, particularly women and children spend lots of time in open courtyards, streets and grounds. The quality of open spaces particularly from the cleanliness and sanitation point of view determines the levels of morbidity and medical problems.

At present, we observe a steady deterioration in the quality of external spaces, which needs urgent attention. *Swatchha Bharat Abhiyan* a campaign launched by the Honorable Prime Minister is a step in the right direction, in which all Indian Citizens must participate.

NEOGEN as part of CER activities supported a village level community led solid waste management programme, which focuses on management of solid waste in the villages by institutionalizing a system of garbage segregation, collection, processing of organic waste and selling of recyclable waste.

Objectives

- To implement a village level community led (women) Sanitation and Maintenance Support Programme in the villages of Luvara, Ambheta, Jageshwar, Lakhigam & Nadida of Vagra Taluka, Bharuch district.
- To set up a community managed system of door-to-door domestic (Wet/Dry) waste
- collection, segregation and disposal system
- Initially, the project should be implemented for one year, fully supported by NEOGEN.
- After review at the end of the first year, implement the project for further three years, with tapering support where at the end of the third year the project should be totally financed either by village Panchayat and/or local people.

The Work Carried out So far:

In the month of June 2024 SUGHAD programme was initiated in the above mentioned five villages. Under the programme following activities have been carried out:

1. Established Village Level Sanitation Committee with 11 members (07 women+02 Panchayat representative+02 Educated Youth)
2. Distributed dustbins (two each) to each family (3,240 families) in all the five villages
3. Appointment of cleaning staff
4. E - Collection vehicles for each village
5. Garbage collection process initiated in all five villages
6. Establishment of Waste Segregation centres

This project would be implemented between June 2024 and May 2025. In this project DRDA, Bharuch and Village Panchayats have contributed grant to strengthen the project.

ISHAVASYAM



Annexure -3

SEED - Sustainable Environment & Ecological Development

**A project to establish Bio-shield through plantation of mangroves
At Ambheta Village, Vagra Taluka, Bharuch District, Gujarat**

An initiative of

NEOGEN CHEMICALS LTD

402/403, Sears Tower, Next to Narmada Canal, Gotri- Sevashi Main Road, Sevashi, District – VADODARA, GUJARAT- 391101.

Under Corporate Environment Responsibility:

Project Implementing Organisation:

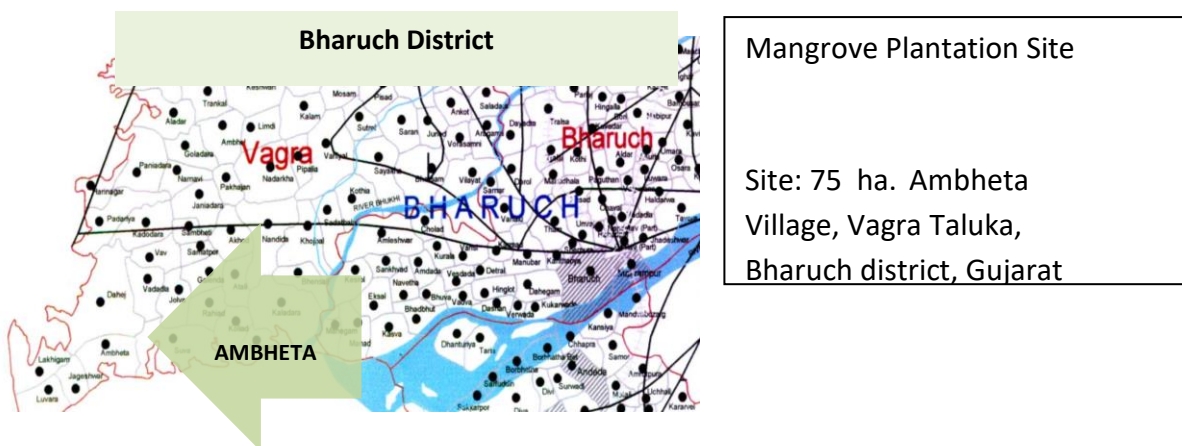
VIKAS Centre for Development, ISHAVASYAM, Opp. Lajpatnagar Society, Eeshita Towers Road, Navrangpura, Ahmedabad 380 009

Introduction:

VIKAS Centre for Development is establishing, a Mangrove Plantation Project funded by NEOGEN CHEMICALS LTD, on 75 hectares area of the sea, opposite to the crematorium, Ambheta Village, Vagra Taluka, Bharuch District, Gujarat.

The plantation of mangroves aims to preserve the environment by reducing soil erosion and absorb CO₂ as well as provide employment to *Rathods* an under privileged community in this coastal village. The plantation would be carried out in 75 Hectare area in which a total of 1,87,500 mangrove seedlings will be planted. Finally, the mangrove plantation will help create a Green Wall along the coastal belt which will provide protection against calamities like cyclones and tsunamis.

Location:



Work Carried Out Till Date:

The total project is to carry out plantation of mangroves covering an area of 75 hectares @ density of 2,500 plants per hectare. Totally 1,87,500 plants would be planted in the first year (2024-2025).

During the month of August & September 2024 nursery of plants (2,25,000 plants) was established and since 15th December 2024 the plantation of mangroves is being carried out. The plantation of 1,87,500 plants would be completed by February 2025. In the following two years (2025-2027) the gap filling and maintenance of the plants would be carried out to ensure survival of the plants.

ISHAVASYAM



SOCIETY FOR CLEAN ENVIRONMENT

Khanderao Mandir, R.V. Desai Rd., Vadodara – 390001.

Contact: (0265) 2433143, M: 9106841074

Email: socleenvadodara@gmail.com, Web:

www.socleenvadodara.org

Project Completion Report

For

Tree Plantation in Industrial Area

Implemented by

Society for Clean Environment

(SOCLEEN) Vadodara

Supported by

Neogen Chemicals Limited,

Dahej.

PROJECT REPORT

Society for Clean Environment (SOCLEEN) is the oldest and most reputed NGO working in the field of Environment Protection and Improvement in Vadodara and as a part of its mission, it is active in the field of Greenery promotion for many years.

Neogen Chemicals Limited is a progressive organization, based in the industrial area of Dist. Vagra, Dahej, Gujarat. Neogen Chemicals Limited expressed their interest in promoting large scale tree cover in the barren areas of the Lakhigam Village. This would help in mitigating the environmental degradation because of the industries, and also provide a more healthy and pleasant surrounding for the people working in the area. The trees will also attract the fauna like birds, bees, butterflies etc. and contribute to a sustainable healthy ecosystem.

The main objective of this project is to create a green belt within this industrial area.

With generous support of CSR funds from Neogen Chemicals Limited, SOCLEEN and its team of experts, executed the project by planting about 10200 trees/saplings of a variety of indigenous, hardy species to preserve the regional biodiversity. The project was initiated in the month of May 2023 and the inaugural tree plantation was done on World Earth Day 22 April, 2023, in the presence of the top Management of Neogen Chemicals Limited and Office Bearers of SOCLEEN. The project was completed on 15 July, 2023 with replacement of 600 plants.

We appreciate the generosity and commitment of The Neogen Chemicals Limited towards its to creating a green belt through its CSR projects.

List of Trees:

Sr. No.	Common Name	Scientific Name	Type Plant	No. of Tree
1.	Casuarina	Casuarina equisetifolia	Tree	500
2.	Karanja	Pongamia pinnata	Tree	300
3.	Kadam/Kadamba	Anthocephalus cadamba	Tree	500
4.	Amlı	Tamarindus indica	Tree	500
5.	Peltophorum (copperpod)	Peltophorum pterocarpum	Tree	400
6.	Bael Tree	Aegle marmelos	Tree	300
7.	Banyan Tree	Ficus benghalensis	Tree	200
8.	Kapok	Ceiba pentandra	Tree	200
9.	Wild Almond	<u>Sterculia foetida</u>	Tree	200
10.	Badam Tree	Terminalia Catappa	Tree	200
11.	Charoli	Buchanania lanzan	Tree	200

12.	Saragvo	Moringa oleifera	Tree	500
13.	Gulmohar	Delonix regia	Tree	400
14.	Gunda	Cordia dichotoma	Tree	300
15.	Garmalo/ Amaltas	Casia Fistula	Tree	200
16.	Paarijaat/ Harshingar	Nyctanthes arbo-tristis	Tree	500
17.	Borsalli	Mimusops elengi	Tree	500
18.	Sevan	Gmelina arborea	Tree	500
19.	Spathodea African Tulip-Tree	Spathodea campanulata	Tree	200
20.	Arjun	Terminalia arjuna	Tree	200
21.	Kasid	Siamese cassia	Tree	200
22.	Bakan Neem	Melia azedarach	Tree	200
23.	Jambu	Sizygium cumini	Tree	500
24.	Kothu / Wood Apple	Feronia elephantum	Tree	500
25.	Neem Tree	Azadirachta indica	Tree	500
26.	Vad	Ficus benghalensis	Tree	200
27.	Paarijaat	Nyctanthes arbo-tristis	Tree	500
28.	Kaner (Yellow)	Cascabela thevetia	Shrub	300
29.	Kaner (Red)	Nerium Oleander	Shrub	300
30.	Karamda	Carissa carandas	Shrub	200
	TOTAL			10200

GROUND WORK DONE AT TREE PLANTATION SITE –18 May, 2023



World Earth Day Celebration – 22 April 2023



World Environment Day – 5 June 2023



*“Invest
In Our Planet,
Protect
Our Future”*

SOCLEEN SOCIETY FOR CLEAN ENVIRONMENT

NEOGEN CHEMICALS LTD.

SOCIETY FOR CLEAN ENVIRONMENT (SOCLEEN)
with support from
NEOGEN CHEMICALS LTD.
Celebrate's **EARTH DAY 2023**

We Cordially Invite you for
TREE PLANTATION PROGRAM

Date: 22 April, 2023
At: Lakshigam School Dahej



TREE PLANTATION COMPLETED JULY 2023



TREE PLANTATION FOR THE IMPROVEMENT OF THE GREEN COVER IN THE NANDIDA VILLAGE

Submitted to

NEOGEN CHEMICALS LTD. DAHEJ



by

 **Gujarat Ecology Society**

Synergy House, Subhanpura, Vadodara 390 023, Gujarat, India
Phone: (0265) 228 3329, 228 3341 Fax: (0265) 228 4664
e-mail: info@gesindia.org, website: www.gesindia.org

2025

Project objectives

NEOGEN has assigned GES to carry out CER activities for the establishment of a 2200 Tree Plantation at Nandida village of Vagra Taluka, Bharuch District, Gujarat.

The project includes tree plantation on the open lands of the Nandida village, to improve the green cover, and enhance the roosting sites of the birds.

Activities undertaken under the project

The following activities were undertaken:

- 1 **Meeting** with the Sarpanch and identification of land for the plantation programme. A resolution was passed by the Sarpanch that care will be taken care by the locals after the completion of the project.
- 2 **Removal** of gando baval, an exotic and invasive species in the area to create ground for plantation programme.
- 3 **Procurement** of saplings was undertaken in the third week of June and plantations in the first week of July 2024. The following list of plants which are indigenous were procured from nursery in South Gujarat.

1	<i>Terminalia arjuna</i>	arjun Sadad	100
2	<i>Albizia lebbeck</i>	Shirisha	100
3	<i>Saraca asoka</i>	Ashok	100
4	<i>Neolamarckia cadamba</i>	Kadam	100
5	<i>Ficus religiosa</i>	Peepul	100
6	<i>Ficus bengalensis</i>	Banyan	100
7	<i>Phyllanthus emblica</i>	Amla	100
8	<i>Dillenia pentagayna</i>	Karmal	100
9	<i>Syzygium cumini</i>	Jamun	100
10	<i>Peltophorum</i>	Peela Gulmohar	100
11	<i>Mitragyna Parviflora</i>	guli kadam	100
12	<i>Thespesia populnea</i>	Paras piplo	100
13	<i>Butea monosperma</i>	Khakro	100
14	<i>Bauhinia variegata</i>	Palash	100
15	<i>Hibiscus</i>	Jasud	50
16	<i>Azadirachta indica</i>	Neem	100
17	<i>Samanea saman</i>	Rain tree	100
18	<i>Tamarindus indica</i>	Amla	100
19	<i>Mangifera indica</i>	Ambo	100
20	<i>Delonix regia</i>	Gulmohar	100
21	<i>Terminalia cheluba</i>	Harde	100
22	<i>Ehretia aspera</i>	Vadhavaradi	50
23	<i>Pongamia Pinnata</i>	Karanj	50
24	<i>Salvadora persica</i>	Piludi	50

- 4 **Appointment** of local support staff for watering, care taking and addition of organic manure. Regular weeding and removal of grass was undertaken in the plantation area.
Tree guards were installed in about 1000 saplings without budgetary sanctioned.
- 5 **Monitoring** of the plantations
Regular monitoring of the saplings was done along with height measurement and survival rate. As of December 2024, about 714 saplings were found growing. The mortality was high due to constant rainfall and flooding situation in the month of September and October.
The height of the saplings have doubled as compared to the initial plantation height.
Soil analysis was undertaken to understand the soil conditions and it was revealed that the soil suffers from soil salinity and to encounter this issue the dosage of natural fertiliser was increased.
Few damages were done by the grazing animals, irrespective of constant awareness and presence of staff.
- 6 **Replacement** of saplings
During the month of first week of September 300 saplings of unt morad were planted near the STP site, however these also perished in the October floods.
- 7 **Awareness programmes** conducted.
- ❖ Preparation and distribution of awareness material: Gujarati booklet on the importance of the trees and the role it plays in our day-to day life was created by GES team. The booklet was distributed among the school students to create awareness on the trees in their life and why they should protect the trees.
 - ❖ Seed ball camp was organised in association with Community Science Centre, Vadodara. The purpose of the programme was to understand the process of seed germination and the importance of the trees in day-to-day life.
 - ❖ Drawing competition was conducted for the class 6, 7 and 8 on environmental topic and prizes distributed.
- 8 **Challenges faced in the present project is (i)** Extreme climatic factors like excess rainfall and waterlogging issues (ii) Removing of the protection bamboo sticks by the local



SEWAGE TREATMENT PLANTS (STP) - 5 KLD AT NANDIDA AND AKHOD VILLAGE

Submitted to

NEOGEN CHEMICALS LTD. DAHEJ



by

 **Gujarat Ecology Society**

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2025

Project title: Establishment of a Sewage Treatment Plant (STP) – 5 KLD at Nandida and Akhod village of Vagra Taluka, Bharuch District, Gujarat.

Formulation of concept: Neogen Chemical Ltd. visited Gujarat Ecology Office (GES) in the month of December 2023 for possibility of developing a proposal under the CSR activity. GES undertook a reconnaissance survey of the villages adjoining the plant at Dahej and Pakhijan to understand the socio-economic needs and design a project that would have longer impact in the area. One of the important sector that needed attention was discharge of household sewage in the open.

Villages had household sewage pipeline which was collected and discharged in the open at one common place. During the dry months, there was no issue as the discharged water would dry up due to high temperature regimes. However, the same became a problem during the monsoon season when the untreated sewage mixed with rainwater created unhealthy situation and was prone to water borne diseases. Looking into this aspect, it was decided to install Sewage treatment Plants to treat the water, which could be used for irrigation or other purposes.

Thereafter, the Swachchh Bharat Mission, Vagra taluka was contacted for possibility of any STP design. They connected the GES team with KADS Innovation Ltd. Pune based company which had a model of installing small STP to the capacity of 5 KLD to treat the water.

Advantages of the model: KAD5 NETS (Nano Effluent Treatment System) was selected for the sewage treatment. The advantages of the system was

- Easy operations
- The system can be switched off in case of low sewage inflow and started once there is good flow
- Easy to maintain and repair
- Water can be reused for irrigation or gardening or can be discharged into the waterbody
- Solar installation in the model ensures low operational cost in terms of electricity.

Sanction of the project: Neogen Chemicals Ltd., then decided to fund two STPs at Akhod and Nandida village at the capacity of 5 KLD. Accordingly, GES was given the work order to install the STPs in March 2024.

Installation and working of the STP

The STP was installed and comprises of three basic features. The water passes through salt medium then sand layer followed by disinfectant solution and purified in the process. The

suspended solid particles of the sewage separate out from the water and is removed in form of slurry and water is purified before being discharged. The resultant of the process is that the water is in its pure form, with no suspended particles and can be used directly for various purposes. The black slurry gets accumulated in a tank, which could be then used as manure into the agriculture fields.







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At Neogen, care isn't just a **commitment**. It's in our **DNA**.