



JaizGlobal1928 Clean Earth Movement: Global_Citizen_0000 in the continual service of the universe, nature and the mother Earth.

Date: 28th April 2022

KINGDOM OF BAHRAIN: **WINNER OF ENERGY GLOBE AWARDS 2021** **(COP 26 – GLASSGOW SCOTTLAND)**

****253** *DAYS IN CONTINUOUS SERVICE, PROJECT INVOLVING CHILDREN BELOW 15 AND SENIOR CITIZENS ABOVE 50 YEARS OF AGE, VOLUNTEERS DEDICATED TO ENVIRONMENTAL WORKS, STUDENTS OF ARCHITECTURE AND ENGINEERING, ARTISTS OF ALL FORMS.*

Project start date: 21st June 2020

Project End date: 01st March 2021

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***Life lessons, experiments, search of truth, inspirations, vision, summary, goal, conclusion and prayers.

***References: The Vedas and The Upanishads, Bhagavad Gita, Ramayana, Mahabharata, Guru Granth Sahib, Bible, The Quran and The Hadiths.

***Inspirations: Sant Dnyaneshwar, Santha Thukaram, Samarth Ramdas, Swami Vivekananda, Rumi : Jalāl ad-Dīn Muhammad Rūmī, and the fragrant flower.

I am drafting this project file with a preliminary vision to provide you with brief idea about of my emotions, feelings, duty and responsibility towards the universe, nature and the mother Earth. 01st of March 2021 was the 253rd day in straight row to offer my services free of any charges or financial aid.

I have shared couple of videos, images and stories via Facebook and Instagram, but due to the length of the videos and its heavy content, few of the videos I have uploaded on YouTube platform. Furthermore, I wish to share this message to my brothers, sisters and everyone on this planet, also those hanging up in space stations and some others submerged in marines in deep oceans. I am reaching out to you with the full intentions and pleading request to act now and restore faith in humanity. We must unite to save our future, the legacies created, the landmarks embarked by our ancestors, and the fruitful future of our innocent children.



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Past two years has been very stressful years of my life, as this time I was engaged in learning life, uncovering myths, truth behind the masks of people, travel, poetry, songs, charity, volunteering and so on, and this Covid19 pandemic brought major changes in my life. I must say in those beautiful 253 days I have evolved physically, mentally and spiritually, these days taught me how to love myself whilst caring and loving the nature and the people around me, the oceans have taught me to be humble, more kind and that's what it is called as good 253 days of retreat which everyone needs now. I am so grateful and thankful to the blessed 253 days and looking forward to, many more days and years to come ahead, and the research says a true and honest author or the poet will never lie at any stage of his life or time and that's the reason may be most of my poems, writings and thoughts and quotes are in so much provoking the minds of people as it's the truth and only the one who is real will have the guts to face and embrace it Here I am drafting the references which have always inspired me from my childhood.

कर्मण्ये वाधिका रस्ते मा फलेषु कदाचन। मा कर्म फल हेतु भूर्मा ते सङ्गोऽस्त्व कर्मणि॥

Karmanye vadhika raste, Ma phaleshu kadachana Ma karma phala he tur bhuh, ma te sangotsva karmanye 'karmanye vadhika raste, Ma phaleshu kadachana' is famous shloka from Gita. Lord Krishna explains to Arjuna the theory of Karmas. He said believe in yourself and do your Karma (action) and success will follow you automatically. Doing Karma is in our hands only, Result is not in our hands. Below given is meaning of famous Shloka from Bhagavad Gita. You have a right to "Karma" (actions) but never to any Fruits thereof. You should never be motivated by the results of your actions, nor should there be any attachment in not doing your prescribed activities. And the only expectations I have and the things I need in return for the gift to this universe are;

ॐ सर्वे भवन्तु सुखिनः सर्वे सन्तु निरामयाः । सर्वे भद्राणि पश्यन्तु मा कश्चिद्दुःखभाग्भवेत् । ॐ शान्तिः शान्तिः शान्तिः ॥

*****MAJOR HIGHLIGHTS IMPLEMENTED THROUGH SCEMES IN THIS PROJECT: THE NIGHT JASMINE, VICTORY OF THE LIGHT, NURANA ISLAND BEAUTIFICATION PROGRAM, BEACH CLEAN UP PROGRAM, CLOUD AND THE MOON, THE FRAGRANT FLOWER, THE GOLDEN FLOWER, PTAYERS OF SALMALIA, ALLERGIES, CANCER AWARENESS PROGRAM, MIRGATORY BIRDS, FLORA AND FAUNA, CONSTRUCTION WASTE, MARINE DEBRIS, RECYCLING AND RE-USE, NIGHT JASMINE ETC.**



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- **Project Summary**

The project “JaizGlobal1928 Clean Earth Movement” and its concepts are dedicated to children below 15 years of age, elderly people above 50 years of age, Expecting Women & students of Engineering and Architecture. One of the major contributors to environmental pollution is waste and debris produced by construction industries. Most of the time very valuable and the project "JaizGlobal1928 Clean Earth Movement" and its concepts are dedicated to children below 15 years of age, elderly people above 50 years of age, Expecting Women & students of Engineering and Architecture. Debris produced by the construction industry is one of the major contributors to environmental pollution, most of the time very valuable and expensive materials are just dumped into the ocean which can be easily recycled, reused, or utilized for various social causes. If the right action is taken and efforts implemented to bring awareness between people, we may able to find the fruitful solution to the deadliest concern on this planet.

As oceans produce almost half of the oxygen it must mandatory to keep them free from pollutants. Due to rapid deforestation earth has already lost most of its green cover reducing oxygen content, where smoke released from an increasing number of industries, hydrocarbon from the petroleum companies and cars, etc. creates more danger not only to human life but for all the species. And rapid urbanization leads to various infrastructures resulting in construction waste. Which more often reaches landfills and oceans creating marine debris. Every species in this universe has equal rights to live healthily and without any abuse, physical trauma, or intentional harm and risk caused by trash, garbage, human-created waste dumped directly in the sea or at the seashore

Fundamentals of the project are as follows:

- Everything in this universe and the human body is made up of five basic elements: Earth, water, fire, air, and space or sky.
- Humans have five basic senses: these basic senses help us to understand and perceive the world around us. Vision, hearing, smell, taste, touch.
- The Basic Principles and ideas are derived from the below context; and extracts of two poems of mine one paragraph each. (Salmalia & Just Like Roses)

The goal & mission of the project is to ensure complete transformation of 3.0 km sea shoreline from polluted coast to most hygienic place safe for all and creating various



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temporary constructions from marine debris, construction waste, and plants thrown away in dust bins.

- **Information on the initial situation (problems, challenges) before the project was implemented.**

The Coastline of Nurana island is a man-made island and it's private property but open for public use. This should be one of the world's most unique places where such a huge area is not commercialized. And it is full of abundant nature. But due to construction waste dumped in the sea, waste created by fishing boats and the littering by the beachgoers ends up at seashore creating unhygienic conditions, where the combination of all above creates marine debris and later when it is mixed with seaweed can create serious health issues in children below 5 years & elderly people. It can also cause various types of cancers. Seashore is mostly used for morning and evening walks, swimming, exercises, and various other families out-door activities. Most of the beachgoers usually walk barefoot to take the maximum benefit by walking on sand grains. The basic requirements to combat the covid-19 pandemic were to have good immunity and hygiene, avoid injuries, and having a good respiratory system. Considering the number of footfalls on the coastline this location was chosen. The mission was started on 21st June 2020 and this year is noted as the summer with the highest temperatures. In the beginning, the coast was full of marine debris and the trash resulted from public littering. Covering 3 km of the sea shoreline was not easy as it required just one high tide to bring all the marine debris to shore. It took two months to bring shore in good acceptable shape.

In the Original conceptual program, the design was developed more than 3.5 years before the actual execution started, due to the non-availability of time and to approach volunteers it was difficult to implement the program, However, as the pandemic got worse and worse it allowed finding alternative ways to implement this dream project. And finally, it was decided to be carried out single-handedly. The project theme was later divided into two schemes and four phases are; cleaning of seashore from marine debris and trash created by beachgoers covered under scheme – 1 (Nurana Island clean-up program), creating artworks through lightweight construction blocks & wood materials, repair and fixing downward cavities in the graded road, and creating public garden road islands at junctions to have a smooth traffic flow covered under scheme-2 (Nurana Island beautification). Scheme-2 was later sub-divided into



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various missions, Mission 19th November 2020, Fragrant Flower, Earth the Sun, The Golden Flower and Cloud and the Moon, Prayer of Salmalia, Victory of the Light till 31st January 2021, and will be followed by Night Jasmin and many more later.

Weather conditions, pandemic restrictions, and minimal interactions with the people around were the greatest challenges. Handling heavyweight materials soaked by water & brought to the seashore and pulling them to the graded road manually was very difficult in the initial stages. Where the works are done in two sessions full time ranging from 6 hours minimum to 14 hours maximum depending upon the tasks to be performed. As the days progressed community around started to notice and appreciations also began, at some occasions, some volunteers also joined the movement. Parallely with the support of the local municipality and the cleaning agency, all the collected marine debris was transported to a designated location for further actions. The contents of this marine debris are non-decomposable materials/items such as plastic, metal, food packaging's, empty plastic, glass, metal bottles, fishing nets, wooden pieces, children nappies/diapers, cardboard, straws, synthetic ropes and threads, plastic, and metal buckets, utensils, barrels, Wooden pallets with nails and sharp fasteners, seaweed ETC.

Lightweight constriction blocks, plywood pieces, timber pieces, plastic buckets & crates are the most difficult part for the cleaning agencies to pick up and process further. All these items were used to Repair and Refurbishment of Graded Roads, installing curbs, making planters from waste lightweight blocks, and creating a public park, architectural islands for the easy and safe movement of traffic, gardening, Children play areas, Family seating areas, friends' catch-up areas, Etc.

To view the works and activities covered please do visit the below links;

YouTube - Global Citizen_0000 –

https://www.youtube.com/playlist?list=PL4wqbIXX_LblhArYexMeQ87OT-uZ5JNMI

Instagram - @global_citizen_0000



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- **Description of project objective and motivation.**

The objective of the project “JaizGlobal1928 Clean Earth Movement” is to add values to human life by bringing them closer to nature making them aware of the importance of coexisting with nature, protecting and preserving flora and fauna by minimizing pollution through construction waste, waste released or dumped into the ocean and in the environment generally. Spreading awareness of handling marine debris, construction waste and ornamental saplings, other plants discarded by owners of plantations, household gardens, etc. Major developing nations create a huge amount of construction waste due to rapid urbanization and demand. Since recycling costs are high and there are very few opportunities and resources to reuse them creates a huge impact on nature, this construction waste or debris is a major contributor to environmental pollution. The major part often leads to open lands covering and polluting earth strata and the other part is mostly dumped in the ocean. Although the required technology is available to process and recycle construction waste and marine debris is available but may be due to cost implications these are not used effectively by many countries. Moreover, appropriate methods to segregate these materials through debris can transform the world. As a common construction practice, the quantities brought to site are always higher than the actual required by a minimum of which ranges from 2% to 10% for new construction sites, & refurbishments, renovations of buildings also discard good quality of materials in debris.

Based on the data available on the internet, it's estimated that no less than 150 million people, or about 2 percent of the world's population, are homeless. However, about 1.6 billion, more than 20 percent of the world's population, may lack adequate housing. Reusing recycled material from construction waste and marine debris may help in providing suitable and affordable housing for homeless people with minimal basic requirements. Thus, the surplus materials from construction sites, samples, and the materials used for samples, etc. can be used for public utilities such as public parks, interior roads, pavements, children's playgrounds, renovation of old homes. Old age homes, orphanages, animal rescue and rehabilitation centers, Etc.

Due to the covid-19 pandemic, many of the countries might have emptied their reserves to protect the lives of people. So, might be very difficult to maintain the pace of development which was two years before. And the next 10 years every country will be struggling to maintain GDP. The small steps in the right direction may bring the most effective results to bring sustainability in human lives and lifestyle. By right education



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awareness, earth and water can be free from pollution and there may be very few actions required to adopt corrective measures for clean fire, air, and sky. As everything in this universe and the human body is made up of five basic elements: Earth, water, fire, air, and space or sky. Human life span will be increased by a clean environment. Human health issues both physical and psychological are more dependent on the environment they live in moreover, a clean environment will lead to activating five basic senses which are, vision, hearing, smell, taste, the touch bringing calmness, peace, and happiness.

Front-liners during this difficult phase of the covid-19 pandemic, Doctors, nurses, police and defense workforce, volunteers, leaders of GCC nations are the source of motivation to implement this project. Many of the medical professionals lost their lives to save and protect people who contracted the covid-19 virus. The leadership in the GCC nations inclusive of Bahrain is par at par excellence. The steps taken to combat the pandemic are highly appreciable, all the support for every person residing in the country both citizens and residents are given the provide with all the necessary support. All though there are job cuts people are allowed to stay and look for new opportunities there several campaigns initiated by the government to benefit mankind. These all actions of the leaders in GCC nations and especially Bahrain inspired to implement the project.

• Scope and implementation activities.

The scope of the project is to transform the 3.0 km of coastline from the contents of marine & construction debris to naturally beautiful & clean habitat for all the dependent species, spread awareness by showcasing results through effective implementation of ideas and concepts by re-using materials received from the marine and construction debris by appropriately segregating and setting up examples by the construction of art pieces and other public utilities by fixing roads and construction of the public garden, etc. Protecting source of water discharge to sea, from marine debris, construction waste & trash created by beachgoers and using the water (released from nearby R.O plant) for landscaping. Implementation of education & awareness (on-site) programs for children below 15 years to promote the importance of a clean environment, having clean oceans, and planting trees.



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To abide by the social & legal requirements this facility is temporarily constructed to experiment and derive results to provide consolidated conclusions and study materials for upcoming engineers till the permanent development is carried out at this location and to ensure the coastline is free from marine & construction debris, trash formed due to public littering. Considering the uniqueness in its location the core area of the public park is dedicated to Poets, writers, thinkers, educators, health and wellbeing practitioners, musicians, songwriters, engineers, architects, & this area can be used as an open prayer hall & meditation too. Moreover, the Kingdom of Bahrain doesn't have a natural riverfront considering the topographical profile this can be visualized as an example of a stream at the base of a hill and forming a river later meeting the sea. Thus, this location may have something to learn about for everyone irrespective of their subject of interest.

Every species in this universe has equal rights to live healthily and without any abuse, physical trauma, or intentional harm and risk caused by trash, garbage, human created waste dumped directly in the sea or at the seashore. Shreds of evidence of these performed activities are available on Instagram posts @global_citizen_0000, which demonstrates in details of work done.

The Activities Performed through the project are.

- Beach Clean-up: Removal of marine debris which are non-decomposable materials/items such as plastic, metal, food packaging's, empty plastic, glass, metal bottles, fishing nets, wooden pieces, children nappies/diapers, cardboard, straws, synthetic ropes, and threads, plastic and metal buckets, utensils, barrels, Wooden pallets with nails and sharp fasteners, alcohol bottles and beer cans, food leftover, carpets, mats, ropes, Styrofoam's, polystyrene, nylon and cotton ropes, clothes, shoes and other foot wares, wooden and marine plywood, wooden battens, plastic and metal pipes, seaweed, nails, ETC.
- Repair and Refurbishment of Graded Roads, installing curbs, making of planters from waste lightweight blocks, Gardening, Children play areas, Family seating areas, friends' catch-up areas, Etc.
- Educational programs for children are implemented to plant saplings and to promote clean environment habits.
- Used water released from nearby R.O plant to create artificial ornamental water body and to use for irrigation and gardening and temporary construction.



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- Approaching nearby construction sites and ready-mix concrete suppliers to request for adopting the right ways of handling waste.
- Giving final rights to dead birds found on the seashore.
- Collecting saplings and other plants from trash bins and planting at the project site.
- Managing strays (Dogs and cats).
- Awareness programs to deal with migratory birds and marine life.
- Traffic management by fixing deformities and vertical cavities formed in the gradient of the graded road (alternative approach created by beachgoers) & landscape garden with curbs made from lightweight blocks pulled from marine debris.
- Implementing programs of awareness regarding allergies caused by marine debris and its harmful effects on children and elderly people.

Note: all these activities are performed manually, no measuring tools, equipment's or machines are used.

- **Innovation**

Every manmade product used in various industries and community use which unfortunately lead to debris polluting the environment can be either recycled or reused upon adopting the right corrective and innovative measures. Being in the construction industry for more than 20 years and serving on various landmark projects in India, Sri Lanka, Sultanate of Oman, and the Kingdom of Bahrain allowed studying the alternative ways to find out the appropriate approach to enhance sustainable living. The innovations which are specifically derived through effective implementation of various ideas, themes, and technical and social experiments are listed below.

- Due to rapid urbanization, industrial and commercial growth there is a huge impact on the quality of air. The health of humans and all the species in this universe is mainly dependent on air. So, it should be mandatory to increase green zones by planting more trees, restricting landfill by construction debris and oceans from all the pollutants which form marine debris. As half of the oxygen is produced by the sea if the right corrective measures are implemented by



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maintaining clean oceans, and clean earth it will automatically enhance the air quality adding value to human life and increasing the life span of all the species.

- Many of the countries are still facing difficulties to manage marine and construction debris, by using the concept of this project by using appropriate method all these items entrapped in marine and construction debris can be easily segregated where Construction materials, like concrete, metals, construction wood paints can be recycled or re-used to construct public welfare facilities with minimal financial support. Moreover, by educating and implementing the right approach of spreading awareness society may come forward to use these materials from debris for the inhouse or back yard and gardening constructions, etc.
- Because when plastic and other harmful materials are trapped under or in between construction debris it becomes very difficult to handle it or remove it. Is there no much awareness to transform this marine and construction debris many of the coastlines worldwide are in a very disgraceful stage harming the environment and marine life. Once the right means are adopted to tackle construction waste it would more convenient for any cleaning agency or many of the volunteering groups or individuals to pick plastic and other lightweight pollutants from the sea shoreline.
- The water used in the landscaping to grow plants and grass is from the nearby R.O water plant which has a marginally higher salinity than that of water used in general gardening works in Bahrain. This water can be suitable for selective ornamental and coastline plants, ornamental saplings, grass, etc. also this can be used as utility water for washing and cleaning purposes by beachgoers and drinking water by some animals and species dependent on sea and migratory birds.
- Due to limited areas baby plants in many household gardens, nurseries, big plantations, and public gardens are often discarded as trash or burnt, these all can be used to relocate and transform barren or unused part under the control of the government into a greenfield to improve air quality.
- Every year household gardens, public gardens, and big plantations need to dress the plants by cutting their branches to suit the location and these are also discarded as trash, appropriate handling of these by creating a space where plant branches and leaves can be decomposed to form natural manure and later



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which can be used for plants in public parks and gardens to reduce the impact of chemical fertilizer seepage in earth strata.

- Plastic is one of the finest discoveries by mankind but unfortunately, the right approach is not adopted to recycle and reuse it. Plastic and other contents of petroleum products and construction debris can be the best replacement for wood in the construction industry which furthermore decreases the load on rapid deforestation. Moreover, the right quantity of recycled plastic can be used in the construction of roads with accurate combinations its ban more durable than regular asphalt roads. Some of the countries are using this method but improvement is needed to minimize the pollution and add value to sustainable living.
- A clean environment is a key to human emotions, psychological & physical balance. Right methods of awareness and approach can lead to a complete transformation in human behavior. If the right framework is provided with the legal boundaries and limitations many of the governments across the globe may save a huge amount of money invested in clean-up processes. When the minds of people are aligned in the right direction with discipline acts like inappropriate dumping of trash and debris will be limited resulting in a clean environment.

Implementation

The total concept and implementation of the project was part of service to mankind. Due to the Covid-19 pandemic millions of people lost their lives and millions lost their jobs. The efforts taken by the government of Bahrain and hospitality received from the people of Bahrain is the prime source to implement this project. All the service has been provided free of cost to the community through the saved money and by adopting a minimal living lifestyle. To control the cost last from 26th of November project location is commuted by walk in one hour while going and another one hour while returning. Minimum service hours are 6 hours a day and maximum up to 14 hours.

All the materials used in the project are from marine and construction debris, plants, saplings, and grass discarded from the owners and dumped into the trash, total of 9 donors have contributed with some ornamental saplings.



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Description of achieved results.

The comprehensive results achieved in the past 253 days are;

- Cleaning of 3.50 kms of sea coastline, by handling and ensuring correct disposal for a minimum of 60000 gallons of marine debris,
- Removal of lightweight construction blocks from the seashore, transporting and installing manually for artworks, fixing cavities in roads, installing curbs, creating planters for the landscaping, installing and pavement, etc. approximately 15.0 Tons.
- Removal of concrete curbs, transporting and installing manually for the landscaping boundaries, 7.0 tons.
- Removal of mosaic tiles, and installing manually to create a pavement for walkway, 5.0 tons.
- Removal of concrete construction blocks and installing for steps and hardscape boundaries, 2.0 ton.
- Filling of landscaping soil, 60.00 cum.
- Filling of marine sand for fixing roads and pavements, 30.00 cum.
- Planting of saplings 250 Nos.
- Creating a green patch with grass 75.00 Sq.m.
- Creating a seawater breaker with stones, 25.00 meters.
- Surplus and waste ready mix concrete used, 30.00 Cum.
- Creating a green patch in a highly saline environment.
- Creating a foul odor-free environment.

Benefits of the project implementation.

- Community involvement to create a clean and safe sea coastline.
- Protecting water source from the accumulation of marine debris and risk of construction waste dump.
- Inspiring young children to learn new things and enhance their creativity.
- Creating a green patch in a highly saline environment.
- Education children to plant saplings.
- Creating a clean and safe environment for migratory birds and marine life.
- Managing strays.



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- Community involvement to pick lightweight blocks and other materials to re-use for gardening and decoration works.
- **Contact details**

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- **Social Media details to overview project implementation.**

Instagram	@global_citizen_0000
YouTube	https://www.youtube.com/playlist?list=PL4wqbIXX_LblhArYexMeQ87OT-uZ5JNMI

