



# पूणामिदं

मे - जून २०२२ | Vol 3





# संपादकीय

सर्वाना सस्नेह नमस्कार!

पर्यावरण दिनाचे अनेकानेक विविध रंगी पर्यावरण पूरक कार्यक्रम करून आपण आज दोन महिन्यांनी पुन्हा भेटत आहोत. जागतिक पर्यावरण दिन आणि त्याला पूरक अशा वृक्षारोपण आदि कार्यक्रमात आपण उत्साहाने सहभागी झाला असालच. 'पूर्णम' च्या माध्यमातून अनेक कार्यक्रम घेता आले. ज्यामध्ये प्लास्टिक, थर्मोकोल, ई कचरा जनजागृती, संकलन कार्यक्रम, पर्यावरण पूरक वस्तू लोकांपर्यंत पोचवणे अशा विविध कार्यक्रमातून पूर्णम परिवाराने पर्यावरण दिवस साजरा केला. सामान्य नागरिक, मुले, विद्यार्थी यामध्ये सहभागी होतील असा प्रयत्न यानिमित्ताने केला गेला.

यालाच जोडून आलेल्या योग दिनाच्या सहभागातून सुद्धा नागरिकांनी आरोग्यपूर्ण शाश्वत जीवनशैली चा अनुभव घेण्यास सुरुवात केली आहे. एकूणच कोरोना नंतरच्या काळात पर्यावरण संवर्धन, शाश्वत जीवनशैली याविषयी सामान्य लोकांचे आकर्षण वाढले आहे. अशी पर्यावरण पूरक जीवनशैली होण्याकरिता 'पूर्णम' परिवार सतत प्रयत्नशील असतो.

मे - जून महिन्यात होणारा पाणी तुटवडा आणि त्यातून कळणारे पाण्याचे महत्व लक्षात घेऊन 'पूर्णम', शहरामध्ये आणि गावामध्ये पर्जन्य जल संवर्धनासाठी कार्य करते. सेवावर्धीनिसोबत जलदूत प्रकल्पामध्ये ३ गावात पर्जन्य जल संवर्धनाचे पथदर्शी प्रकल्प उभे केले आहेत. तसेच 'पूर्णम' ने कर्नल दळवी यांच्या मार्गदर्शनाखाली बीड जिल्ह्यातील १०० गावांमध्ये असे काम ICICI फाऊंडेशन च्या आर्थिक मदतीच्या जोरावर असे कार्य हाती घेतले आहे. अशा सर्व प्रयोगातून

नागरिकांचा पर्यावरण संवर्धन चळवळीत सहभाग वाढत असतो.

याचाच पुढचा टप्पा म्हणून पुढील कालावधीत रहिवासी कॉलनी (सोसायटी) पदाधिकारी मेळावा जुलै महिन्यात आयोजित केला आहे. कंपोस्ट खत निर्मिती, पर्जन्य जल व्यवस्थापन, सोलर वीज निर्मिती केंद्र अश्या वेगवेगळ्या पर्यावरण पूरक विषयावर हि माहिती नागरिकांना दिली जाते. असा मेळावा पुणे शहरात ठिकठिकाणी घेण्याचा 'पूर्णम' चा मानस आहे.

जून महिन्यात पर्सिस्टंट फाऊंडेशन च्या सहाय्याने ४४ संगणक 'पूर्णम' ने दुरुस्त करून महाविद्यालयीन विद्यार्थ्यांना देणगीदाखल दिले, यामध्ये जुन्यातून नवीन वस्तूमधून समाजोपयोगी कामासाठी निरनिराळ्या घटकांना समाविष्ट करण्याचा पूर्णम चा हा प्रयत्न आहे. यापुढील अशा कार्यक्रमांत आपण सहभागी होऊन योगदान द्याल याची खात्री आहे. पुढील कालावधीत कमिन्स फाऊंडेशनच्या मदतीने इ-कचरा संकलन मोहिमेद्वारे अधिक नागरिकांमध्ये जाण्याचा पूर्णम चाप्रयत्न राहिल.

जुलै आणि ऑगस्ट महिन्यात येणाऱ्या रक्षाबंधन, गणेश चतुर्थी हे उत्सव पर्यावरण पूरक करून अधिकाधिक आनंद देण्या-घेण्याचा प्रयत्न करूया. शुभेच्छासह ...



राजेश मणेरीकर

**We are located at :**

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Panchali Sweet Lane, Sinhagad Road, Vadgaon BK,  
Pune-411041

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**Contact No.:** 020-29521862



# Bimonthly Report

April-May 2022

## E-waste and Plastic Waste Management

Total Society Drives: 7

Community Drives: 8

Pocket Drives across Pune City: 1

Number of Donors: 450 +

Ongoing weekly E-waste Collection Centers: 16

E-waste Collection: 2.9 tons

Plastic Waste Collection: 1.3 tons

Donated Devices: 22

Donated to: ZP School (Sangali), Vishwakarma Foundation (Solapur), Nana Palkar Samiti, Arise Vishwa Society, Om Pratishthan, Tatyapa Bapat Samiti, Gopal Krishna Mitra Mandal, Namdev Lokhande (Individual), Swati Korwan (Individual), Helping Hand, Dattopant Mhaskar Samiti, Urja Foundation

## Volunteering Engagement

No of activities conducted: 3

Activities:

1. Self Assessment Activity
2. Lecture on 'Eco-friendly Lifestyle'
3. Nature Trail on ARAI Tekdi

No of student volunteers: 13

Participated Volunteers: 43

Total No of Volunteers: 350+

## Fabric Up-cycling

No of cloth collection drives: 7

Cloth Collection: 989 Kg

Women Empowered: 2

No of promotional stalls: 14

Number of bulk orders completed: 3  
(100 Conference Bags, 25 Shabnam bags, 130 other products)

Number of new product samples: 4

## Green Consultancy

Number of Running Composting Units:  
Laxmi Park Society (Navi Peth), Balaji Temple, Krishnakamal Society (Pashan), Café Climate (Hinjewadi-Kasarsai Road)

Garden Waste Composting Units:  
Viloo's Farm House (Theur) and Pune Cantonment Board

Number of Running Rain Water Harvesting Units:  
At Laxmi Park Society (Navi Peth) & Bhushan Apartment (Karvenagar), Yajurved Society (Karvenagar), Cinderella Society (Pashan), Private Bungalow (Pashan)

Number of Running Biogas Units:  
Balaji Temple (Pashan)

## Upcoming Events

1. Green Consultancy- Society Members Assembly - 3rd July
2. Inauguration of Door to Door E-waste Collection Service - 1st July

# Protecting Oceans: An Instrument for Human Sustenance



**W**e at Poornam Ecovision work on different ventures with THE goal of sustainable future of the 'Only One Earth' we have. How can we think of a sustainable future without a sustainable Ocean that covers 71% of the Earth's surface, produces 50% of the Oxygen we breathe, and absorbs 40% of the Carbon emissions we produce! 8<sup>th</sup> June every year is celebrated as World Oceans Day. The United Nations General Assembly started celebrating this day since 2009 in order to raise global awareness amongst the common man regarding the innumerable benefits we derive from the oceans and our individual and collective duty to use it as resource sustainably. This year's theme for World Oceans Day was 'Revitalization: collective action for the ocean', which invited States, Civil Society, Scientific bodies, industry, private sectors as well as inter-governmental bodies to contribute to reviving our oceans.

When common man thinks of oceanic environmental issues, all that he can think of is pollution; plastic pollution being the latest hot topic. Let us delve a little deeper into understanding what we mean by 'Our oceans are dying'; or why is there a need for 'revitalising our oceans'. Aquatic life, popularly fish are the

easiest and commonly tangible measure of the oceanic health. So, let us look as status of fish in our oceans. Recent news highlighted increased events of fisherman complaining of no fish catch at high sea. Since decades coastal fishing communities have lost livelihoods due to dwindling coastal fish. This has caused them loss of local and traditional food source too.

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**So, depleting fish catch is not only an economical issue but also a cause of dietary and occupational switch and blow to traditions.**

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Fish also serve as a cleansing mechanism of the oceans. They feed on algae which can otherwise smother coral reefs and also cause rapid depletion of oxygen.

The greed of man to increase fish catch to meet the ever-increasing demand of the fish-eating population has led to mechanised fishing that use trawlers which scrape/dredge the sea bed for increased fish catch. ***This has led to over-fishing, a process in which the rate of fishing exceeds the rate of their reproduction.*** Sea beds serve as breeding grounds and nurseries of several organisms in the aquatic food chain and dredging causes long term damage to this

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**Indian traditional scientific knowledge regarding the importance of sustainable fishing is the basis of observing the holy 'Sraavan Maas', where fish was not eaten. It is driven by the idea, that the monsoon season is the breeding season when fishes repopulate and a break in fishing allows healthy increase in fish population.**

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habitat. Non-targeted species like the turtles, mammals, eggs, larvae and non-commercial fish too get harvested which are killed and dumped back into the ocean as fishery waste. It is worth thinking what happens when one part of the food chain is excessively removed from the food chain as well as what happens to the lower and higher organisms which depend on them!

Indian government imposes a systematic ban on mechanised fishing from 1<sup>st</sup> June to 31<sup>st</sup> July along the west coast of India and 15<sup>th</sup> April to 15<sup>th</sup> June along the east coast of India every year, to promote sustainable fishing all throughout the year.

Some of the most popular videos on the oceans on social media feature mass beaching of fishes, whales, dolphins and even penguins! Common population envisages marine pollution as dumping of untreated municipal and industrial waste, oil pollution and plastic pollution which adds toxic, poisonous material into our oceans causing fishes and aquatic organisms to die. The realm of oceanic pollution is beyond this! Oceanic life needs oxygen; healthy oceans typically have 7 to 8 mg/litre dissolved oxygen. Larger the organism, higher is its requirement for oxygen. Life forms die or start to migrate if the concentration of dissolved oxygen drops below 4 mg/litre.

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**Concentrations less than 0.2 mg/litre are hypoxic or anoxic conditions, also known as Oxygen Minimum Zones (OMZ) in the oceans.**

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Excessive supply of fertilisers and nutrients like nitrates and phosphates to the coastal oceans through rivers, soil runoff due to deforestation and agricultural runoff from land has led to expansion of OMZ all over the globe in the

recent past. Excess nutrients cause fast consumption of oxygen for different biological and chemical processes within the ocean leading to formation of oxygen minimum zones.

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**So, what appears to be just innocent, religious offerings or disposal of nirmaalyain the ocean by us, actually contributes to rapid depletion of oceanic oxygen and provides an explanation to reduced fish catch and also mass beaching of organisms.**

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Climate change is another threat to our oceanic life as well as our fishery which contribute to our economy as well as food-stock.

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**Excessive heating of the oceans along the tropical countries is causing fish to migrate to cooler latitudes, thus making the temperate richer countries richer and the poorer tropical countries poorer.**

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Coral reefs, the most biodiverse and ecologically-economically important, marine ecosystems which used to be found only between 30 degrees North and South latitudes are now being found even in the temperate zones. These are bioindicators of change in the oceanic environment as a response to thermal pollution. One major source of thermal pollution causing changes in current patterns are release of warm waters from thermal power plants and nuclear reactors into the ocean.

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**As we continue to pump more and more carbon-dioxide into the atmosphere, the oceans are absorbing it causing the oceans to acidify.**

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This reduced pH of the oceans is causing



skeleton of marine organisms to dissolve and also affecting reproduction in organisms. This directly impacts the marine food chain and is also a major cause of depletion of food for fishes.

With only 20% of the world ocean mapped, we know much less about the ocean than we know about Space. Oceans hold solutions to life on Earth and are also the most

easily accessible store house of future resources when we run out of them on land. If we wish to sustain mankind, its high-time we make our oceans sustainable!



**Dr. Rajani Panchang**

*UGC FRP Assistant Professor  
Secretary, Palaeontological Society of  
India Pune-Mumbai Chapter*

**S.O.S** SAVE THE OCEAN FOR SUSTAINABILITY!

Due to increasing pollution, we are taking more from the ocean than can be reloaded.

We need to work together to create a new balance with the ocean that no longer depletes its bounty but instead restores its vibrancy and brings it new life!

 **Poornam Ecovision Foundation** wishes you **Happy World Ocean Day** 8<sup>th</sup> June | 2022

Visit our website: [www.poornamecovision.org](http://www.poornamecovision.org)

## Feedback from a customer RWH

**Poornam Ecovision Foundation** has a science based approach to Rainwater Harvesting. Their team first visited for a survey, took all the measurements, readings, understood our needs and presented several options which suited our requirements.

The installation was smooth and seamless. The equipment used was best in quality and didn't get in the way of existing infrastructure.

The timelines were met and we have seen good results for these efforts. It rained heavily after the installation and we were very happy to see all that rainwater harvested fully.

- Owner, Cindrella Bungalow

## Feedback from an E-waste Donor

आजचा आमच्या प्रज्ञाभूषण सोसायटी चा E-waste, प्लास्टिक, थर्माल कोल आणि कपडे संकलनाचा drive खूप छान पार पडला. पूर्णमच्या टीमने खूप चांगले नियोजन केले.

सर्वात आधी drive साठी चा proper draft मिळाला, जो मी माझ्या आणि आमच्या आजूबाजूच्या सोसायटींमध्ये मध्ये १५ दिवस आधी forward केला, त्यानंतर पूर्णमच्या टीमने ३ दिवसांआधी आमच्या सोसायटीमध्ये फ्लेक्स लावला, मग मी जो message WhatsApp वरून पाठवला होता त्याचे प्रिंट काढून आमच्या lane च्या सर्व सोसायटीमध्ये देऊन आले आणि personally त्यांना request केली, आणि २ दिवसां पूर्वी WhatsApp वर पुन्हा reminder पाठवले.

त्यानंतर पूर्णमची marketing team अगदी वेळेत आमच्या सोसायटीमध्ये पोहोचली आणि अतिशय व्यवस्थित पद्धतीने प्रदर्शन आणि विक्री साठी आणलेल्या वस्तू मांडल्या, आणि लोकांना त्या वस्तूंची उत्तम पद्धतीने माहिती दिली. त्यामुळे लोकांचा खूपच चांगला प्रतिसाद मिळाला, माझी अपेक्षा आहे की आपण सगळे पुढे पण team work ने चांगले काम करत राहू आणि आज काही लोकांनी स्वयंसेवक होण्याची इच्छा पण दर्शवली खूप समाधान वाटलं. सर्व पूर्णम Team चे मनापासून आभार!

- सौ. वीणा भाटे



# Photo Gallery



Garden waste compost plant at Panchgani

RWH unit inauguration at Beed



Nature Trail at Vetal Tekdi to celebrate Environment Day



Volunteer activities at Vadgaon Sheri



Fabric Team achieved the target of a bulk order of 130 varied products

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