

## 1. Gram Sabha organized to discuss and finalise on developmental initiative roadmap for integrated village development for Panawadi on 2<sup>nd</sup> October ,2019

A Gram Sabha was conducted by Scitech Park, Pune to discuss on various sustainable interventions to be initiated for the overall development of Panawadi Village on 2nd October, 2019. Scitech Park Experts from various domains like Dr. Shobha Bhargava (Biotechnology), Dr. Arvind Rabba (Rural Mushroom Cultivation), Mr. Ajit Gadgil (Waste into Energy), Mr. Suhas Labade (Representative of Vigyan Ashram, Pabal), Mr. Paritosh Khanvilkar (Wind and Solar Harnessing and Energy Processing), Mr. Gurwinder Singh (Motivational Speaker and Mentor), Mr. Milind Joshi (Agriculture Development Board, Baramati), Mrs. Priyanka Mangale (Architect and Planner), Ms. Roshni Udyavar (Architect and Planner), Mr. Arvind Patole (Marketing Consultant ,Wildlife Photographer and Adventure Sports Specialist), Shri. Dilip Band, President, Science and Technology Park, Pune and Dr. Rajendra Jagdale, Director General and CEO, Science and Technology Park, Pune shared their ideas, views and extensively interacted with the villagers during the Gram Sabha. Dr. Rajendra Jagdale also briefed the villagers about the 17 Sustainable Goals that the United Nations have formulated, which would act as a universal guideline for the development of all nations and would help to convert Panawadi into a 'Truly Sustainable and Smart Village'.



## 2. Inauguration of School Library at Panawadi Village, Purandar Taluka, Pune on 2<sup>nd</sup> October, 2019

Scitech Park has inaugurated School Library at Panawadi village to inculcate holistic development of all the children in the village with the help of Rural Relations on 2nd October, 2019. The school library at Raje Shivray Vidyalay, Ghera Panawadi was inaugurated by Shri. Dilip Band, President, Science and Technology Park, Pune.



### 3. Distribution of Scitech Surya – Solar LED Home lights, Lanterns and Streetlights to 75 beneficiary families from 4 villages in Velhe Taluka, Pune on 15<sup>th</sup> & 16<sup>th</sup> October, 2019

Scitech Park, Pune distributed “Scitech Surya” - Solar LED Homelights and Lanterns to 75 beneficiary families from Rule, Ghol, Harpud and Kolambi villages in Velhe taluka on 15th and 16th October, 2019. Solar LED street light in each village had also been installed to facilitate villagers with clear and sufficient light during night hours for their safety. A small programme in each village was conducted during distribution to give demonstration on connections and charging and also technical information on day to day operation and maintenance of lamps to the villagers. The project has been supported by Sungard Availability Services (I) Pvt. Ltd., Pune through their CSR initiative





## 4. Launch of Scitech Water ATM at Panawadi Village, Purandar Tal, Pune on 18<sup>th</sup> October, 2019

Scitech Water ATM – Clean and Safe drinking water project was successfully launched on 18th October, 2019 at Panawadi Gaonthan and Bhise Wadi of Panawadi village, Tq. Purandar, Dist. Pune. The project was supported by Sungard Availability Services (I) Pvt. Ltd. under their CSR activity. This project was launched to ensure that all the households of the four hamlets of Panawadi village including the main gaonthan would get uninterrupted supply of safe clean drinking water which is extremely important for a healthy life of the villagers and proper growth of the children.



## 5. Training of Women of Panawadi during installation of Innovative Rice Dehusking Machine on 3<sup>rd</sup> February, 2020

One of the initiatives taken up by Scitech Park, Pune as a part of integrated village development of Panawadi is to support women SHGs on sustainable livelihood based on local resources. Since agriculture is the main occupation of people of Panawadi village and women play an important role in the entire process of harvesting of the paddy crop; Scitech Park has provided an innovative Rice Dehusking Machine to automate the process of removing the chaff (the outer husks) of grains of rice. The machine specially designed and manufactured by one of the startups promoted under Department of Science and Technology, Government of India's SEED TARA Scheme (Technological Advancement for Rural Areas) and is developed at Vigyan Ashram, Pabal.

Science and Technology Park's technical team conducted an initial know how of the Rice Dehusking Machine for all the members of Adarsh Mahila Bachatgat , Panawadi to acquaint them with the new Rice Dehusking Machine. After that, Scitech Park team gave an extensive technical hands-on training to all the ladies regarding how to operate the machine, how to open the machine, check various parts, change gear oil etc. which would be very important for daily operation and maintenance of the machine. After the training Scitech Park team made sure that the members of the SHG carry out the entire operation independently and confidently for several times and now these ladies are processing the brown rice regularly and are selling them as well.



## 6. Launch of Innovative Rice Dehusking Machine at Panawadi on 4<sup>th</sup> March, 2020

With an aim to empower women of Panawadi with a sustainable business venture and make them successful entrepreneurs; the innovative 'Rice De-Husking Machine' was launched by Scitech Park on Wednesday, 04<sup>th</sup> March, 2020 at Panawadi village, Tehsil Purandhar, Dist. Pune. The project has been supported by Federation of Indian Chamber of Commerce and Industries' Ladies Organisation, the FICCI FLO, Pune Chapter through their initiative to empower women from rural parts of the state. Through this the local farmers of Panawadi can introduce their high-quality brown rice in the demanding market and explore new agri-business opportunities.

The event was graced by Ms. Usha Poonawalla, Vice-President of FICCI FLO, Ms. Kajal Makhija, Ms. Pooja Chheda, Ms. Poonam Kocchar, Ms. Pooja Anand, Ms. Kalpana Merchant, Ms. Mohini Singh; all from FICCI FLO, Pune Chapter, Ms. Nalini Lole (President, Panchayat Samiti, Tq. Purandhar), Shri. Milind More (Block Development Officer, Tq. Purandhar), Ms. Sujata Pawar (Agriculture Officer, Tq. Purandhar), Ms. Anita Lole (Sarpanch, Panawadi village), Ms. Ujwala Gosavi (Climber Systems, Pune), Shri. Gurvinder Singh (Guru Wonder, Pune), Shri. Haribhau Lole (President, Adarsh Gram Samiti, Panawadi), Mr. Babalu Mokale of Mukul Madhav Foundation, Pune, Shri. Pradeep Lokhande (Trustee, Science and Technology Park, Pune), Dr. Rajendra Jagdale (Director General and CEO, Science and Technology Park, Pune), Mr. Sanmati Shetgar and Mr. Vaibhav Nimgire of Science and Technology Park, Pune.



## 7. Installation of Four Innovative Scitech Airon – Negative Ion Generators at Naidu Hospital, Pune on 20<sup>th</sup> March, 2020

Science and Technology Park, Pune being always in the forefront to tackle emergency situations with innovative technology driven interventions has come up with one of the most effective and innovative patented solutions which would be very useful in combating COVID 19 pandemic. Scitech Airon Negative Ion Generator - It is one of the most effective technology to control the spread of virus both in ambient air and in droplet form within the enclosed environment.

Technology development and its commercialization has been funded by NIDHI PRAYAS and SEED funding received from Ministry of Science and Technology, Govt. of India. Scitech Park has set up a startup Jclean Weather Tech Pvt Ltd to manufacture this product.

Four Scitech Airon Negative Ion Generators were delivered by Scitech Park team on 20th March, 2020 to the COVID 19 Isolation ward in Naidu Hospital, Pune; the first quarantine facility started for COVID 19 positive cases in Pune, to ensure well-being of the doctors, nurses, hospital management people, who are continuously at risk of getting effected by this virus; by reducing the viral load and other pathogen load of the indoor air and by enhancing their disease resistance power and ability to fight the virus.





## 8. Installation of Eco-Friendly Bio-Toilets within Bhimashankar Wildlife Sanctuary

Scitech Park with an aim to accelerate decomposition, optimizing efficiency, and minimizing any potential environmental or nuisance problems (odor), is installing five Eco-Friendly Bio-Toilets with Bio-Digester units and three single Bio-Digester units for three Protection Huts at the newly developed Mahadev Van and MTDC premises within Bhimashankar Wildlife Sanctuary. These Eco-Friendly Bio-Toilets would offer utmost cleanliness, sustainability, ease of maintenance and better sanitation facility for thousands of tourists and devotees visiting this place every year.



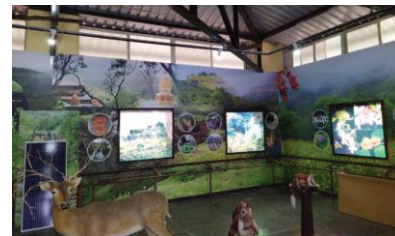


## 9. Solar Electrification of Range Forest Office Premises within Bhimashankar Wildlife Sanctuary

Scitech Park, Pune has carried out the solar electrification of Range Forest Office premises viz; Guest House, MTDC office cottages, Kondhval office, New Forest office and newly developed Mahadev Van within Bhimashankar Wildlife Sanctuary. These specially and indigenously designed unique, long lasting, quick charging and low maintenance solar systems would meet the immediate lighting requirements in the wildlife sanctuary.

Scitech Park, Pune completed the following interventions:

- Installation of Solar LED Home Lightings for offices, cottages and Guest House.
- Installation of Solar LED Street Lights in the office premises.
- Installation of Solar LED Hymast light at Mahadev Van.
- Installation of 1HP and 2HP Solar Water Pumping Systems for Mahadev Van and Guest House respectively.



## 10. Installation of Scitech Water ATM within Bhimashankar Wildlife Sanctuary

Scitech Park, Pune has installed two Scitech Water ATM machines to provide all the tourists and devotees visiting Bhimashankar Wildlife Sanctuary and the temple with an uninterrupted supply of clean and safe drinking water. The two Scitech Water ATM machines have been installed at Mahadev Van and MTDC resort respectively within Bhimashankar Wildlife Sanctuary.



## 11. Scitech Jaldoot and Stationary Scitech Water Filtration Units Installed Under Flood Relief Support at Kolhapur and Sangli, Maharashtra

Floods had hit the districts of Sangli and Kolhapur really hard in August, 2019. People were living in darkness without electricity, food, medicines and most importantly safe clean drinking water. With water levels receding, the biggest challenge for these people was to make adequate arrangements for clean drinking water, food and medicines. After the floods; these areas were facing serious issues of safe clean drinking water.

Scitech Park on request of the Honourable Collector, Kolhapur immediately shifted its 7 Scitech Jaldoot vehicles to Sangli and Kolhapur which ensured that people get clean drinking water (4 Jaldoot – Sangli, 1 Jaldoot – Kolhapur and 2 Jaldoot – Shirol) for their sustenance and to prevent any epidemic.

Apart from Scitech Jaldoot, all Scitech Park staff contributed for buying essential medicines and donated clothes and utensils which were handed over to the flood relief camp authorities for distribution to the flood effected families in Kolhapur and Sangli.

Scitech Park had requested funds for providing stationary water filtration units to the flood hit villages of Kolhapur to MIT World Peace University, Pune and they had provided funds for installation of seven water filtration units at Kanwad, Kutwad, Ghalwad, Shirati, Arjunwad, Alas and Shirol villages. Scitech Park had delivered the stationary 1000 LPH capacity innovative water filtration units to all these seven villages in Kolhapur District of Maharashtra.



## 12. Scitech Water ATM installed at Shri. Shanaishwar Devasthan Campus, Shani Shingnapur

Scitech Park had installed one innovative Scitech Water ATM –Centralized Prefiltration+ UF+RO 500 LPH Water Filtration System with coin vending water dispensing at Shri. Shanaishwar Devasthan Campus, Shani Shingnapur. There were no water filtration units till then in the Devasthan premises for providing clean safe drinking water to the devotees visiting the temple.

The project had been recommended by Hon. Charity Commissioner, Pune and awarded by Shri. Shanaishwar Devasthan Trust, Shani Shingnapur. The Scitech Water ATM is providing safe clean drinking water to lakhs of devotees visiting the temple and the families residing in the village that lack access to safe, clean drinking water.





### **13. Installation of 25 HP Solar Water Pumping System and Laying of 2200 metre HDPE Pipeline at Panawadi Village, Purandar Tehsil, Pune**

Science and Technology Park, Pune has installed 25HP Solar Water Pumping System along with 2200mtr length of HDPE pipeline for lifting water from lower Chimta dam to the upper Patzai dam for recycling at Panawadi Village. It will help to recharge the ground water for wells and water will be available in 19 Dams constructed down the streams of main dams for agriculture during summers. The project will help approx. 1000 villagers ensuring availability of water for both drinking and agriculture for all seasons. The solar water pumping will replace the electrical or diesel operated pumps saving the cost of electricity of approximately Rs. 6 Lakhs per annum for the villagers. The project has been liberally supported by Finolex Industries Ltd. and their CSR partners Mukul Madhav Foundation, Pune

