



COMPANY PROFILE

Ira Sustainable Water Solutions©2016

YOUR PARTNER IN SAVING YOUR OWN WATER



ABOUT US

In an era when urbanisation is covering most of our ground with brisk constructions, water availability is an issue we choose to undermine.

Ira Sustainable Water Solutions is an initiative towards making residential complexes and industries self-sufficient with regards to water. We develop sustainable models by designing, building and maintaining Rain Water Harvesting projects.

Started in June 2012 by two young engineers, Ira (ISO 9001:2008 Certified) implements the highly efficient system of Jaloday. This unconventional system designed by Professor Uday Chipalkatty, our mentor, has been successful in augmenting the ground water table for many of our illustrious clients. We move forward with the underlying mission of conserving 5 thousand crore litres of water in the next 5 years.

MISSION

Nation Building by creating a Water prosperous society through Smart Water Management Techniques

OUR TEAM

POWERFUL TEAM

NATION BUILDING IS OUR MOTO

SWAPNIL POTDAR | CO FOUNDER

After graduating as a Mechanical Engineer from MIT, Pune, Swapnil has gained all-round professional experience in the last 3 years. He has worked in the sectors of Manufacturing, EPC project management and R&D under banners like Tata, Essar and Mahindra. He brings in his comprehensive expertise and incessant enthusiasm to Ira.



UDYAM GOKHALE | CO FOUNDER

Udyam is a Production Engineering graduate from K.K. Wagh College of Engineering, Nashik. With an aptitude for innovation, entrepreneurship was always on the cards for him. He is amongst the owners of Shamala Electroplaters, his family business that specialises in Hard Chromium Plating. He lends solidarity to Ira with his studious and observant self.



UDAY CHIPALKATTY | MENTOR

Professor Uday Chipalkatty teaches Sustainable Architecture at Dr. Bhanuben Nanawati College of Architecture, Pune. Working on Jaloday for the last 15 years, he is a respected name in the field of Rain Water Harvesting. Through his paper presentations and consultation to many successful projects, he has taken Jaloday to various countries including Japan, USA and China. He is now pursuing doctorate in Rain Water Harvesting and Ground Water Management. Professor Chipalkatty is the rich source of inspiration for Ira.



RAINWATER HARVESTING

TODAY'S RAINWATER IS TOMORROW'S LIFE SAVER

RAINWATER HARVESTING

In urban areas, modern infrastructure has left little area for water to percolate. The result is depleted groundwater level and declined water table. For residential societies and industries, this means buying water tankers at hefty rates. At Ira, we combat this very situation through '**Jaloday**', our unique technique of Rain Water Harvesting.

'**Jaloday**', as opposed to traditional Rain Water Harvesting methods, focuses not just on accumulation of water in a tank. Its focus is on a sustainable solution and on re-establishing a broken natural cycle. It makes you self-sufficient with respect to water. The process is carried out in the following steps:

Assessment of the Area

The process begins with identifying catchment area. Commonly, only the rooftop is evaluated. We take a step forward by calculating and utilising both the rooftop area and the ground area.

Evaluation of other parameters like incident rainfall, current water table, hydrogeology and topography of the area is carried out. A detail analysis is conducted and concrete inferences are drawn.

Rainwater Reception (Channelizing and Filtration for Recharge)

The technical team then surveys for pockets where water acceptance is high. Injection wells are dug at these pockets and aquifers are created for high absorption. Ira uniquely carries out elaborate filtration before the recharge into the ground. This proves crucial when water is pulled out for use.

The Actual Rising of Water

Once rainwater starts flowing through the injection wells, it starts spreading through the cracks and fractures in the geological strata. The important step here is water bulb formation. Once the dry pockets are fully recharged, ground water level rises up substantially. The process not only augments groundwater levels but maintains it consistently.

WATER TREATMENT & INFRASTRUCTURE

THE MANTRA ON WHICH WE OPERATE IS USE,
PURIFY AND REUSE WITH THE RIGHT
INFRASTRUCTURE FOR WATER

WATER TREATMENT & INFRASTRUCTURE

WATER TREATMENT

It is rightly said that "Pure water is the world's first and foremost medicine." We provide **Centralised Water Treatment Plant** especially for residential projects so as to make it more acceptable for end use like drinking or domestic purposes. Depending on the water utility, we design water treatment plants and offer a wide range of innovative solutions. Some of our services include design and supply of **pre-treatment units** and **water softener** according to the water utility of the project.

We also have a unique range of **Sewage Treatment Products (STP)**. They are packed with features like complete automation, pre-fabrication, compact and modular design and plug-n-play facility. The operational cost for the STPs is cheaper as compared to the conventional treatment plants. At the same time, they require less maintenance.

Our STPs are equipped with latest technologies viz.

1. Membrane Bio Reactor (MBR)
2. Sequencing Batch Reactor (SBR)
3. MBBR (Moving Bed Bio Reactor)

WATER INFRASTRUCTURE

In the vertical of Water Infrastructure, our aim is to implement Sustainable Water Models. The method we use is Integrated Water Management for various infrastructural settings like townships, industrial zones and satellite cities.

Ira hosts an ISO Certified Water Test Lab facility for testing and analysing water samples. Geophysical surveys are conducted to understand the hydrogeological conditions. This helps in mapping the groundwater profile. Our specialty lies in understanding the existing scenario of a residential complex or industry and chalking out customised solutions.

WHY IRA?

ONE STOP SHOP

Our services entail the whole gamut of water management. We provide consultation; we design, execute and maintain Rain Water Harvesting projects. With Water Infrastructure and Water Treatment, this becomes an exhaustive model.

TAILOR MADE SOLUTIONS

Your premises, the soil in the area, the patterns of rainfall...everything varies with the location. Needs also change as per the kind of project – commercial or residential. We understand every need and develop peculiar models for every project.

INNOVATION

Ira understands that future is constructed today. Jaloday is our step towards a safer and abundant future. Its uniqueness and efficiency is underlined in over 140 successful installations by Professor Chipalkatty.

COST EFFECTIVE

With one-time installation and life of more than 50 years, Jaloday is a technique that yields results much greater than what you invest. From the material to the methodology, we fit in every detail within your budget.

EXPERT TEAM

We understand every facet of our job in-depth. That is why, we rest each part in the safest hands. Be it the plumbers, the engineers or the geologists, we have the job cut out for everyone. The result is precise execution and optimum functioning.

WHO WE SERVE?

WHO WE SERVE

There is an array of verticals that we cater to. Townships, SEZs, industrial zones...the adaptability of our services helps us fulfill all your needs. The types of projects we serve to are -



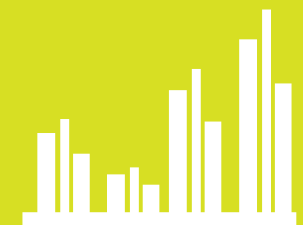
EXISTING RESIDENTIAL ESTABLISHMENTS

INDUSTRIAL PROJECTS



INSTITUTIONAL PROJECTS

UPCOMING RESIDENTIAL & INDUSTRIAL PROJECTS



PRESTIGIOUS CLIENTS

SERVED ACROSS SECTORS, ACROSS INDUSTRIES



AND MANY MORE...

CONTACT US

CLIENT TESTIMONIALS

In its short span, Ira has built up a satisfied and elated client base. Some of them speak about the benefits and their satisfaction.

"We did Rainwater Harvesting through Ira and we no more order any tankers. Dry bore-wells have started yielding even during peak summers, thanks to Ira!"

– Resident, Sai Ambar Society, Pune

"Focused company with great flexibility! It takes up challenging tasks irrespective of remote locations."

– Project In-charge, Maharashtra Ayurved Centre, Bhor, Pune

"Quality of ground water has enhanced due to recharging with pure rainwater. It is quite evident as we no more see scaling on utensils, clothes and bath fittings. We gladly recommend Ira to all the residential societies."

– Resident, DB's Diamond, Pune

"Rise of water through 'Jaloday': Project executed by Ira has harvested 70 Lakh litres of rainwater in a society of 210 flats"

– Reference from article published in The Happiness Network (Newsletter) by Paranjape Schemes Construction Ltd.

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