



Activities of Jalvardhini Pratishthan from 1st April 2020 to 31st March 2021

Lockdown happened since 22nd March 2020 till 3rd week of August. Partial activities were permitted after that. Ferrocement Society had organised Opening of Ferrocement Training Centre at Sarthak Seva Sangh – at Amble, Taluka Saswad, Dist. Pune on 4th September 2020.

So, activities started from that day. We were there at opening & our Karyakarta Shri Janardan stayed there.

Ferrocement Water Storage Tanks / Structures

We were party to construct 16 Ferrocement Water Storage Tanks from – Villages covering 10 Talukas from 6 Districts of Maharashtra. Total Water Storage Capacity created is about 1, 75,000 Litre. We provided financial support to 9 Tanks.

Out of 16 Tanks (Jal Mandir), 4 Tanks will be used for or as a part of water scheme for wadi. Remaining Jal Mandir are for Individual use.

Off Line Lecture

We were Invited to talk on Water Conservation & Use of Ferrocement Technology by CEO Z.P Raigad at Alibag.

On line Lecture / Webinar

As a Trustee, I took part in 8 Webinars from September 2020 to March 2021. Details are given separately.

Online Internship

Prof Pravin Chaudhari from V.J.T.I requested to conduct “Online Internship for 5 Last Year

students from Civil Engineering on different Topics of Ferrocement Technology.

Training to Engineering Students

- I. Few students from “**Gharda Institute of Technology,**” Taluka Khed along with **Prof Parulekar** took part in construction of 25,000 litre Ferrocement Tank at Annari from 5th December 2020 for 5 days & have learned How to construct Ferrocement Tank.
- II. Few Students along with **Prof Parulekar** and other from **Gharda Institute of Technology & Principal Nitin Bhople & other staff members along with 8 Students from Rajendra Mane Polytechnic, Devrukh** took part in construction of 15,000 Litre Ferrocement Tank at Umratt, Taluka Sangameshwar, Dist Ratnagiri from 21st January 2021.

Water Scheme for Wadi

Ferrocement Tank at Anari, Umratt, Kinjale & Zampawadi will be used by Wadi People as apart of Water Scheme for their Wadi.

Lectures:

1) Lecture at Z.P. Raigad at Alibag on 29th December 2020

CEO Dr. Patil had organised a Meeting of NGOs & CSR Representatives to discuss about

Water & Waste Management in Dist. Alibag on 29th December 2020 at Alibag.

CEO had earlier Visited Farm of Shri Parshuram Agivale & there he saw Ferrocement Tank. So he

requested us to present our work & experience on 29th at Alibag. I talked on Water conservation & use of Ferrocement Technology



Lecture at Z. P. Raigad District at Alibag on 29th Dec 2020

Online / Webinar

- 1) 12th June 2020 By Sanjeevani College of Engineering --Kopargaon
Different Approach to solve Urban & Rural Problem
- 2) 26th June 2020 by EPICONS Pvt Ltd Ferrocement Basic and Applications--- Er. Milind Kulkarni & U.M.Paranjpe
Application of Ferrocement at Rural Level
- 3) 11th July 2020 UMP & Mrs U.U.Paranjpe by Konkan Katta --Vile Parle
Water Conservation--for all round Development & use of Ferrocement Technology for Rural Development
- 4) 18th July 2020 By "Paryavaran Kumbha Parivar" Dombivali
Different approach to solve Urban & Rural Water Problem
- 5) 29th September organised by Department of General Engineering of ICT "**Cost Effective Water Storage Technologies for Rural Area** "
- 6) 2nd Oct 2020 Organised by MVP & Other **Managing available water**
- 7) 26th December 2020, by Mac Engineer Shri Parekh morning 10 am **RWH-- U.M. PARANJPE & Ferrocement Homes** ---Nandkumar Jadhav
- 8) 22nd March -- World Water Day – Guest Lecture –by Thakur School of Architecture & Planning – Kandivali East on **Rain Water Harvesting – Sustainable Practice of Water Conservation**
- 9) **Online Internship -** 5 Students from Final Year Civil Engineering from V.J.T.I., Under Guidance from Dr & Prof Pravin Chaudhari completed online Internship on "Ferrocement Technology "each one had different Topic.

Ferro cement Water Storage Tanks (JAL MANDIR) from 1st April 2020 to 31st March 2021

After the lockdown from 22nd March throughout India in 2020, some activity could be started due to relaxation of lock-down from September 2020.

1) Ferrocement Tank at Sarthak Seva Sangh at AMBLE, Taluka Saswad, Dist. Pune

Ferrocement Training was organised by Ferrocement Society as a part of Ferrocement Training Centre being developed by

Ferrocement Society at SARTHAK SEVA SANGH, Amble, Taluka Saswad, Dist. Pune. Students participated in construction of 10 feet in dia and 5 feet in Height Ferrocement Tank capacity about 11000 litres. Work was started on 4th & many Engineers from Ferrocement Society including Chairman Er Hangekar were present on 4th September. Our karyakarta started work with Students and students have learned how to construct a Ferrocement Tank including construction of Plinth Our Karyakarta Shri Janardan was there till 8th of Sept. It was a wonderful experience.



Under Construction Tank



Completed Tank at SARTHAK

2) Ferrocement Tank at Chauhary Wadi, Taluka Karjat, Dist Raigad

Farmer Shankar Chaudhary had approached us for some support to construct 10 feet in dia. & 4 feet in Height (Capacity about 8,000 Litre). He had constructed Plinth + provided

Sand and required Labour etc. We provided him Weld & Chicken Mesh + Steel + Cement. Supervision work was started on 19th September & was completed on 22nd. **This is our 75th Ferrocement Jal Mandir in Taluka Karjat Dist. Raigad.**



3) Ferrocement Tank at Jambhulwadi, Taluka Karjat, Dist Raigad.

Farmer Shri Prakash Shingava Requested us for Some Support to construct a 10 feet dia. & 4 Feet in Height Ferrocement Tank (Capacity about 8,000 Litre) He constructed Plinth +

Provided Sand + Labour etc. We provided Weld & Chicken Mesh + Cement + Steel & bending wire. Work was started on 27th Oct & completed on 30th Oct 2020. **This is our 76th Ferrocement Jal Mandir in Taluka Karjat, Dist. Raigad.**



4) Farmer Shri Bhushan Mahpdi From Posare Khurda, Taluka Khed, Dist Ratnagiri

Farmer Mahapadi wanted to create Water storage Tank with Our support or on participatory approach. A 14 feet in dia. and 5

feet in Height Ferrocement Tank capacity about 20,000 Litre was started on 9th Nov. & completed on 12th Nov. 2020. **This is our 16th Ferrocement Tank a JAL MANDIR IN Taluka Khed, Dist. Ratnagiri.**



Under construction Tank



Completed Tank

5) Shri Nitin Jadhav From Kinjale, Taluka Khed, Dist Ratnagiri.

Shri. Nitin Jadhav wanted to develop a Water scheme for his wadi with support from Wadi people. He desired to have some support from Jalvardhini Pratishthan & we provided Part material required for construction of 14



Under construction Tank

6) Dr Sanjay Jadhav from Village ANARI Taluka Chiplun, Dist. Ratnagiri

Dr. Sanjay Jadhav from Village Anari, wanted to develop a water scheme for his wadi people. He requested us to provide a Technical support for constructing a Closed Ferrocement Tank of about 25,000 Litre capacity. Design & drawing of 18 feet in dia. & 5 feet in Height was prepared.



feet in dia and 5 feet in Height Ferrocement Jal Mandir (Capacity about 20,000 Litre) and Technical support to construct a Jal Mandir. Work was started on 22nd Nov. & completed on 26th Nov 2020. **This is our 17th Ferrocement Tank a JAL MANDIR IN Taluka Khed, Dist. Ratnagiri.**



Completed Tank

We gave Dr a list of Material and arranged for the same and work was started on 5th December and completed on 16th Dec. 2020. Students from Gharda Institute of Technology with support from Prof Parulekar & other also joined to construct so that they can have hands on experience about Ferrocement Technology. Students were present for about 5 days and they could learn about Ferrocement Technology. **This is our 2nd Tank in Taluka Chiplun, Dist. Ratnagiri.**





Tank Under construction & GIT Students and Teacher are participating



Tank Under construction



completed Tank

7) Kelkar College, Mulund East

Kelkar College Mulund East wanted to execute RWH Scheme at their College Campus at Mulund East, as a part of RWH Scheme a 10,000 Litre Storage Tank was proposed. A Composite i.e., Brick work and Ferrocement Technology was used to

construct a 9 feet 6 inches dia. and 6 feet in Height composite Tank was Proposed, we provided only Technical Support Tank was completed in Jan 2021.

Rain Water from 3 Rain Water down take pipe is collected after filtration and over flow is connected to Bore well.



Underground Tank



Online Filters

8) At YMC –Tara—Bandhanwadi, Taluka Panvel, Dist Raigad

A Closed Ferrocement Tank of about 10,000 Litre. This was constructed at the request of Mrs Rita -Vice Chairman – YMC & to train their Karyakarta Shri Santosh and others



Entire cost was given by them. Tank was completed in January 2021.

We have already developed a Rain Water Resource Centre at YMC-Tara. Now Shri. Santosh Thakur can construct Similar Tank independently.



Tank under Construction



Completed Tank at YMC—Bandhanwadi

9) Farmer Shri Arun Sambre From Mograj, Taluka Karjat, Dist. Raigad

Farmer Shri. Arun Samble requested us to support partly a Ferrocement Tank of 10 feet in dia and 4 feet in Height for his Farm use.

(Capacity about 8,000 Litre). He contributed Plinth + Labour + Sand rest of the material + supervision was provided by Jalvardhini Pratishthan. Tank was started on 17th Jan & completed on 20th January 2021. **This is our 77th Tank in Taluka Karjat, Dist. Raigad.**



Under Construction Tank



Completed Tank

10) Shri Sunil Ghedshi & others from Village Umratt, Taluka Sangameshwar, Dist. Ratnagiri.

Shri. Sunil Ghedshi & Others from Umratt wanted to construct a Ferrocement Water Storage Tank (Jal Mandir) as a part of Water scheme for Wadi.

Wadi people contributed Plinth + Sand + Labour. Rest of the material for Tank was provided by Jalvardhini Pratishthan + supervision. Tank work was started on 21st Jan and completed on 24th Jan 2021. Tank is of 14 feet in dia. and 4 feet I Height, (Capacity of about 15,000 Litre. This **is our 9th Tank in Taluka Sangameshwar, Dist. Ratnagiri.**



Under construction Tank GIT Students, Students from Rajendra Mane Polytechnic & Their staff are also participating in construction of Ferrocement Tank



Under construction Tank

Completed Tank at Umratt



Prof Parulekar FROM GIT applying Mortar

Prin.Bhopale From R M P applying Mortar

11) Architect Shri. Chaudhary and his friends are working in and around Duparwadi , Taluka Shahapur, Dist. Thane .

Architect from Dombivali & his friend, requested us to provide Technical data & supervision to construct a 15000 Litre



Ferrocement Tank and Train local mason. It is having 12 feet in dia. and 5 feet in Height. Work was started on 29th Jan & completed on 1st Feb 2021. Architect, Mason have learned the Ferrocement Technology while constructing a Tank at Dupar wadi.



12) Ferrocement Tank (Jal Mandir) of about 5000 Litre at Zampawadi People by Gururji Rugnalaya – Taluka Trimbkeshwar, Dist. Nashik.

Dr. Gururji Rugnalaya's Gram Vikas unit wanted to construct and train local mason from Zampawadi, Taluka Trimbkeshwar, Dist. Nashik, with Ferrocement Technology.



Under Construction Tank

A 5000 Litre Ferrocement Tank was started on 31st Jan and completed on 2nd Feb. 2021. It is a 7 feet 6 inches in dia and 4 feet in Height Ferrocement Tank a JAL MANDIR. Karyakarta and local mason have learned how to construct a Ferrocement Tank with simple cost-effective appropriate Technology a Water Storage Tank.



Completed Tank

13) Ferrocement Tank (Jal Mandir) of about 8,000 Litre at Sakhar, Taluka Khed, Dist. Ratnagiri for Farmer Shri Anant Shivram Bane.

Shri. Ananta Shivram Bane of Sakhar, Taluka Khed, Dist. Ratnagiri requested us to support 10 feet in dia. & 4 feet in Height Ferrocement Jal Mandir (capacity about 8,000 Litre) Tank. Work was started on 27th Feb and completed on 3rd March 2021. This was completed with

participatory approach. Owner contributing Plinth + Sand + Labour etc. We provided Weld & Chicken mesh + steel bar, binding



Completed Tak

14) Ferrocement Tank of about 8,000 Litre at Sakhar, Taluka Khed, Dist. Ratnagiri for Farmer Shri Utekar

Shri. Manohar Keshav Utekar of Sakhar, Taluka Khed, Dist. Ratnagiri requested us to support 10 feet in Dia & 4 feet in Height Ferrocement Jal Mandir (capacity about



Under construction

15) Ferrocement Tank (Jal Mandir) of 15000 litre at School at Dengach wadi, Taluka Jawhar, Dist. Palghar.

This 15000 litre Ferrocement water storage tank is constructed at Dengachi Met (tribal wadi in hilly region), Jawhar, Dist. - Palghar. This is partially funded by 'Appa Joshi Pratishthan, Navi Mumbai' and partially funded by local tribal people. This tank is for

wire + Cement. This **is our 18th Ferrocement Jal Mandir in Taluka Khed, dist. Ratnagiri.**



Under Construction Tank

8,000 litre). Tank work was started on 1st March and completed on 4rd March 2021. This was completed with participatory approach. Owner contributing Plinth + Sand + Labour etc. We provided Weld & Chicken mesh + steel bar, binding wire + Cement. This **is our 19th Ferrocement Jal Mandir in Taluka Khed, dist. Ratnagiri.**



Completed Tank

tribal students in the school, constructed with help of local tribals and tribal trainer under the expert guidance of Jalavardhini Pratishthan, Mumbai. Sh. Nareshji Marad sir, Principal of the school coordinated all the activities.

The work was started on 21st March & completed on 24th (in 4 days).



Ferrocement Tank Under Construction



Under Construction



Completed Ferrocement Tank

16) Ferrocement Tank (Jal Mandir) at Pomendi, Taluka Guhagar, Dist. Ratnagiri for Farmer Shri Rangle.

Work of 10 feet in dia. and 4 Feet in Height, Capacity of about 8,000 litre Ferrocement Tank for Farmer Shri Rangle at Pomendi

Taluka Guhagar with Participatory approach was started on 23rd March and completed on 26th March, 2021. **This is our 29th Water Storage Tank in Taluka Guhagar Dist. Ratnagiri.**



Under construction Tank a Pomendi, Taluka Guhagar



Under Construction Tank



Completed Tank