

2014



# जलदूत

## जलसंवर्धन

“Bringing reforms in water conservation by involving Youth thereby foster and promote feeling of Patriotism in them”



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**Jaldoot** is a premier & renowned nonprofit organization based in historical Aurangabad city of Maharashtra state. Ever since from its inception, **Jaldoot** has expedited water conservation movement in Marathwada region of Maharashtra state. Youth can change the future of society with their hard work and courage. They should engage themselves in preservice of natural resources. As they have to live longer with consequence of current environmental decisions than will their previous generation. Keeping in view this logic, **Jaldoot** emphasizes on involvement of youth and considers them as the backbone of it. As a result of this, **Jaldoot** has fetched significant success over the years by working in drought affected areas. Marathwada region is facing back to back drought situation for the past six consecutive years. To anticipate the drought situation and give relief to the farmers, **Jaldoot** has widened the dimensions of its work.

In streamline with the call made by **Honorable Prime Minister Shri Narendra Modi** (“**JANSHAKTI FOR JALSHAKTI** ”) which aims at making water conservation a mass movement through asset creation and communication campaigns, **Jaldoot** has already directed its efforts by implementing the same strategy. **Jaldoot** is engaged in water conservation in following ways:

- **Restoration and Rejuvenation of Ancient Step wells ( *Barav* )**
- **Construction of Bunds**
- **Recharging of Ground water sources (Rooftop rain water harvesting and bore well recharging)**
- **Creating awareness about water conservation**
- **Dissemination of emerging technologies for water conservation to rural and urban population**
- **Implementing best practices in water conservation through mass involvement of youth**
- **Tree plantation**

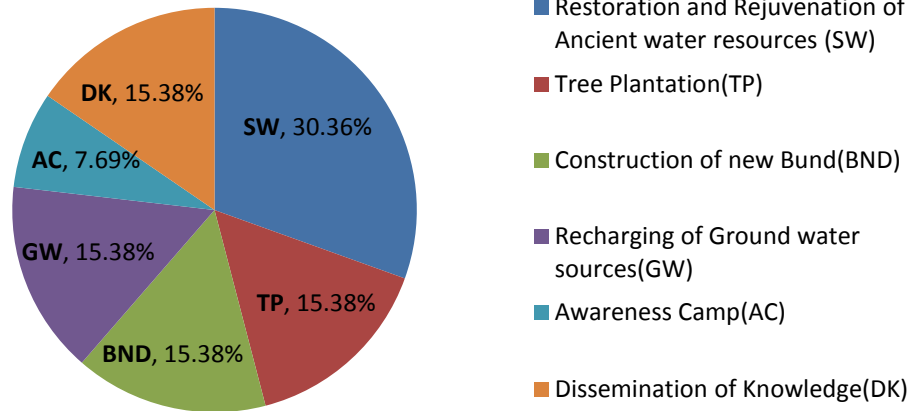
The concise information of major project that has been undertaken by **Jaldoot** for the past few years are enlisted below.

Sr. No.	Name of the Work	Area	In Conjunction with
01	Restoration and Rejuvenation of Historical Ahilyadevi Holkar Step well	Satara Region, Aurangabad	Youth, Local residents
02	Restoration and Rejuvenation of Ganga Step well in Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Dr. B.A.M. University Aurangabad.	80 Youths
03	Tree plantation at Bhuvaneshwar Mandir region	Satara Region, Aurangabad	60 Youths and around 50 local residents
04	Restoration and Rejuvenation of step well at Wankhedenagar	Aurangabad City	Youth, Local residents, Municipal council member
05	Construction of Gabion Bund at Goldi river in Gidhada village	Gidhada village, Paithan Tq. District Aurangabad	70 Youths
06	Recharging of Ground water in MIDC Aurangabad	Waluj, Auangabad	CMIA
07	Rejuvenation of Yelganga river	Nandalgaon, Taherpur, Kaudgaon, Dhupkheda, Tq. Paithan District Aurangabad.	Youth and Villagers
08	Restoration and Rejuvenation of step well at Mukundwadi	Aurangabad	Local residents
09	Rooftop rain water harvesting	Aurangabad	Youth and local residents
10	Bore well recharging	Aurangabad	Youth and local residents
11	Construction of Ferro-cement Bandhara	Aurangabad	Youth and local residents
12	Tree Plantation	Dr. B.A.M. University Aurangabad.	Dr. Babasaheb Ambedkar Marathwada University Aurangabad
13	Expert talk on water conservation	JNEC Aurangabad	Collaborator (Youth)
14	Presentation on water management	Municipal Commissioner office, Municipal Corporation Aurangabad	Municipal Corporation Aurangabad
15	Motivational Speech to the students	Srujan School, Bidkin, Aurangabad	Students, Srujan School.

Apart from all these projects almost 18 bunds were constructed in rural areas of Aurangabad district.

# Jaloot

**Pie chart reflects work done in various sectors (Percentage form)**



## Collaborations

The success of collaboration solely depends upon how effectively you tied a knot between multiple stakeholders those are striving for common goal. **Jaloot** has tied a knot with the collaborators in diverse field. It includes Industries, Government entities, Educational institutions, finance institutions and many volunteers. Few of the major collaborators are as follows:

1. **JNEC Aurangabad (Engineering Institute)**
2. **MIT Aurangabad (Engineering Institute)**
3. **MP Law College Aurangabad (Law College)**
4. **Dr. Babasaheb Ambedkar Marathwada University Aurangabad. (State Government University)**
5. **CMIA (Industrial Sector)**
6. **Bajaj Automobiles (Industrial Sector)**
7. **Badve Group of Industries (Industrial Sector)**
8. **Devagiri Bank Aurangabad (Finance Sector)**



## Rejuvenation And Restoration of Step wells

Aurangabad city rely only on *Jayakwadi Dam (103 TMC Capacity-Earthen Dam)* for water supply. Any accidental fault in existing pipeline (65 Km) may cause collapsing of complete water management system of city. Moreover, contamination in Water tank may also leads to wastage of water. \*Recently. Terrorist were arrested spying the major Water tank and are planning to contaminate them with poison to cause severe massacre in city. That means it can be a potential threat to Aurangabad people as they simply rely only on single water source. **Jaldoot** has emphasized on rejuvenation and restoration of Step wells in Aurangabad city. The logic behind this is that in Aurangabad, there are around 100 plus step wells in different part of city. It is readily available promising resource in close proximity of resident of Aurangabad. **Jaldoot** is trying to resolve the issue at local level which doesn't required any additional infrastructure to be constructed.

### Significance:

- **Reduced Stress on existing water source. i.e. “Jayakwadi” Dam**
- **Potential threat of contamination is reduced\***
- **Efficient city water distribution system**
- **Risk of interrupted water supply is reduced if all the Step wells connected through grid**
- **Round the clock water supply ensured in a locality**



Step well Site # 1

**\*Video footage included in Section**



**साथी हाथ बढ़ाना साथी रे !!!!! (Power of Unity)**

**Step well Site # 2**



**Step well Site # 3**







**Step well Site # 3 (i)**



**Ganga Step well Site # 4**



## Ferro cement Bund

Ferro cement Bund is emerging concept gaining huge popularity in recent days. The picture itself indicates the success of this structure.

### Significance:

- Low cost Structure Up to 40000/- Rupees only
- Local Mason can quickly erect Ferro cement bund
- No skill sets required. No maintenance
- Recycled material can be used
- Two days work

# During Construction



Day 1

Day2

# Post to the Construction





**# During Construction**



**Result post to first Rain!**





## Modification in damaged K. T. Weir

The unnoticed old K.T. Weir was modified with new design. Metal plates were fixed permanently in between pillars.

### Significance:

- Makes use of existing pillars
- No new construction
- Low cost and effective solution for water conservation

The success of this modification work can better seen in picture itself

**Before Modification**



**After Modification**



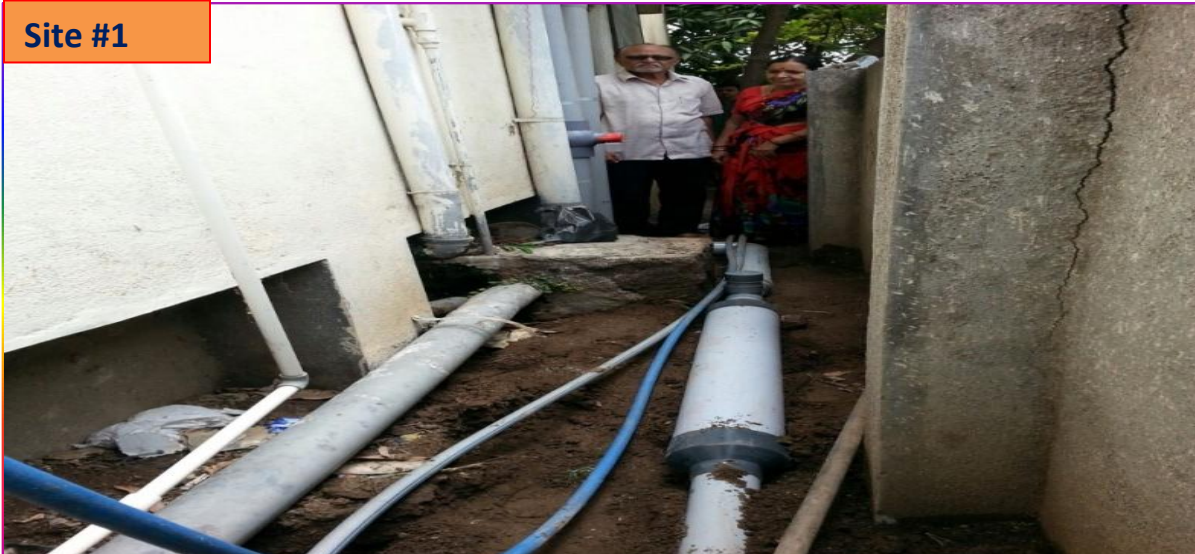
## Recharging of Bore well in Urban Area

Recharging of ground water is essential because, in urban areas infrastructure and roads won't allow surface water from percolating into the soil and results in consistently lowering the height of ground water table. **Jaldoot** has started creating awareness amongst the urban population about importance of roof top rain water harvesting. The group of volunteers started knocking the doors of people for creating awareness. **Jaldoot** has also formed a Plumbers association in Aurangabad city. Whenever **Jaldoot** receives a call from a client, it is getting directed towards a plumber residing in that particular area. The client and plumber mutually decides the work scenario and tariff therein.

### Significance

- **Jaldoot acts as a intermediate agency between Client and Plumber**
- **Works on “No loss no Profit” principle**
- **Door to Door awareness**
- **One touch Free assistant**

Site #1



Site #2





**Site #3**



**Site #4**



## Water Recharge Pit

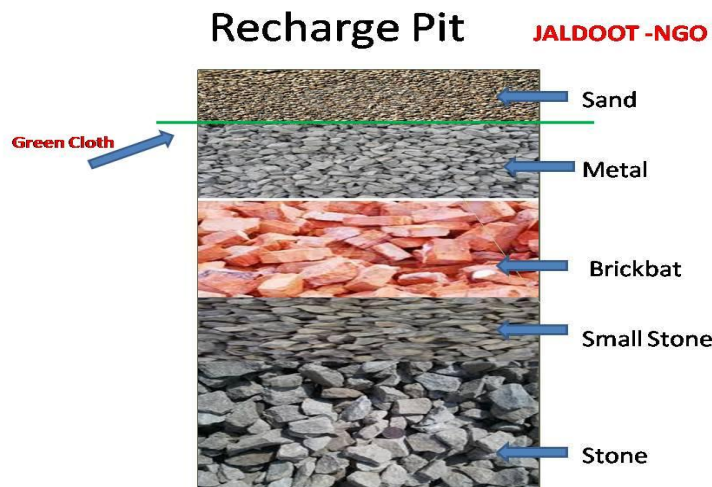
It is another type of work that **Jaldoot** has given priority and started doing it in rural and Urban areas where there is no scope to recharge the bore wells.

### Significance:

- One day work
- Technical plan is prepared
- Recycling of material
- No skilled labor required

The technical plan and its execution on real site is shown in picture below. The then Divisional Commissioner visited the site and appreciated the work.

#### Methodology



#### Divisional Commissioner, Aurangabad visited the site





**# Youths Participation**



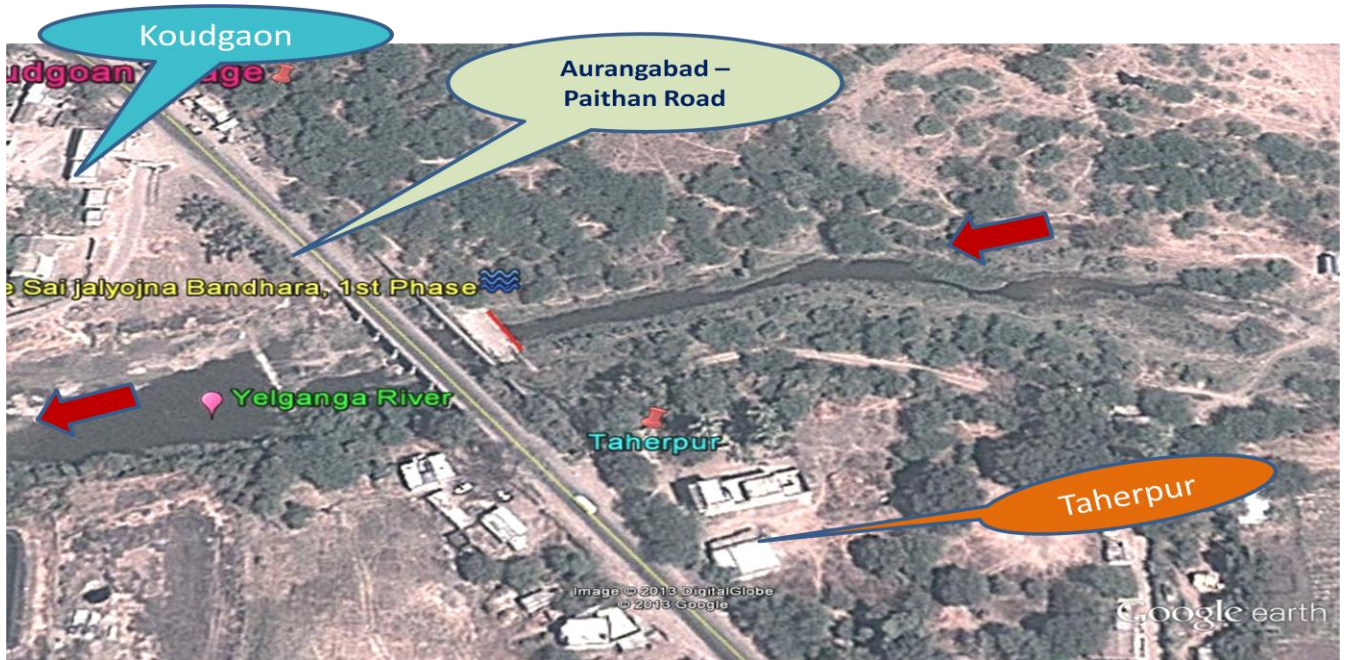
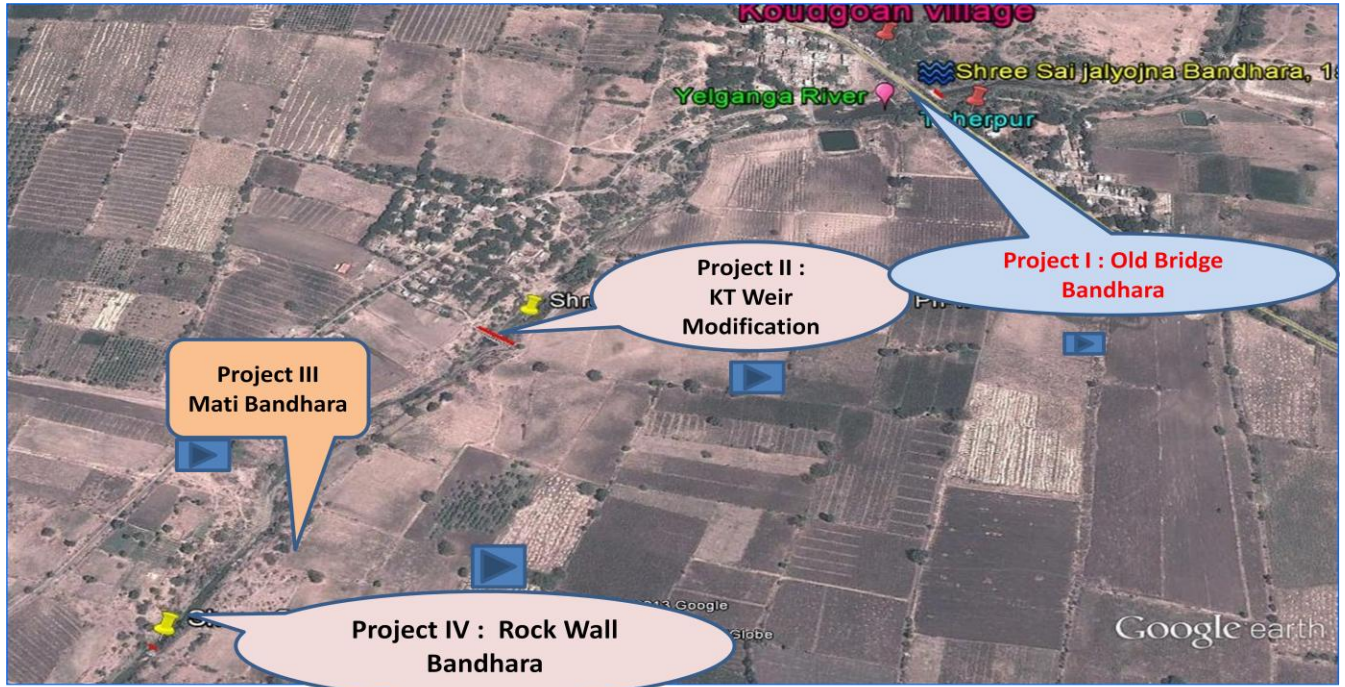
**# Replenished recharged pit**





**Jaldoot work: Satellite point of view ~ ~ ~ ~ ~ sky is the limit!**

Within a very short span of time **Jaldoot** has gain excellent speed in execution of water conservation work. **Jaldoot** continues the work execution with same speed due to mass involvement of youth. For youth aspiration, sky is the limit. Perhaps satellite couldn't resist to cover them all, is it ?





## Public involvement : Key Role in Jaldoot expedition

To get your work done, either you have to have ample of money in your hand or you should have strong will to get that work done through public participation by successful persuasion of people mindset. The second factor is very much difficult and important especially when you are a **NGO**.

Ever since foundation, **Jaldoot** has successfully built the trust among the common people in rural and urban area of Marathwada region. Based on the theme of **PANI** and **NAAM** foundation **JALDOOT** has successfully fetched the attention of people. As a result, people start gathering and give their contribution in this very much needed work. Picture says everything about it.

तू नारी है , तू शक्ति है ।

Group # 1



Group # 2





## ग्रामस्थ एकजूट होकर श्रमदान करते हुए

### Villagers Group # 1



### Villagers Group # 2





## परिणाम स्वरूप फल प्राप्ति

Site #1



Site #2



**Gidhada River Basin Restored prior to Monsoon**

**Before**



**Results post to the first Rain**

**After**





## Other Activities for Society:

**Jaldoot** team is not only doing water conservation but also engaged in conducting various social awareness programs. **Jaldoot** has arranged programs in conjunction with National Service Scheme and many educational institutes.

- **Computer Literacy program for village students**
  - ✓ **10 Engineers from Urban side for their village brothers**
  - ✓ **Given Live Demo**
  - ✓ **Hands on session for children to learn basic computer skills**

Around 60 students from village participated along with their grandparents who are seen too much enthusiastic (Grandparents too!).

### # Inauguration



### Hands on Training – On Computer





**# Hardware Explanation**



**# See the tab in Grandpas Hand!**





## ➤ Medical Camp

**Jaldoot** has arranged Medical camp at Taherpur village of Paithan Tq. of Aurangabad District. Dr. Anjali Vare (Gynecologist) was invited to deliver the expert talk. Dr. Vare explained the problems and its curing methods to the women and also aware them all about its consequences on ignorance. Some of the serious and often occurring issues in women enlisted below were meticulously discussed.

- ✓ Awareness about skin problems due to water
- ✓ Pain or pressure in pelvis that differs from menstrual cramps
- ✓ Itching, burning, swelling, redness, or soreness due to contaminated water
- ✓ Sores or lumps in the body parts



## Awards and Recognitions:

Sr. No.	Name of Prize	Year of Award
01	Maharashtra State Irrigation Council	2015
02	Youngandhar Prize	2013
03	Aaryasamaj Prize	

## JALDOOT in Recent News

### Governor Appreciated “JALDOOT”

#### Kishor Shitole met Hon'ble Governor at Rajbhavan

In meeting with Governor and Chancellor, C. Vidyasagar Rao, Mr. Kishore Shitole briefs him about the Jaldoot work. Governor was very happy to know the outstanding achievement made by Jaldoot in short span of time.

Hon'ble Governor appreciated the work done by Jaldoot for water conservation.

He also appreciated the mass involvement of youths in Jaldoots social activities.

### राज्यपालांनी केले 'जलदूत'चे कौतुक

किशोर शितोळे यांनी  
घेतली राजभवनात भेट

प्रतिनिधी | औरंगाबाद

राज्यपाल तथा कुलपती सी. विद्यासागर राव यांची डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठाचे राज्यपाल नियुक्त व्यवस्थापन परिषद सदस्य किशोर शितोळे यांनी मुंबईत भेट घेतली. जलसंवर्धनासाठी काम करणाऱ्या 'जलदूत' संस्थेचे राज्यपालांनी कौतुक केले. शिवाय विद्यापीठातील विविध प्रश्नांवरही त्यांनी राज्यपालांशी चर्चा केली.

विद्यार्थी संघटना, विद्यार्थ्यांसाठीचे अध्यासन केंद्र, विद्यापीठातील विविध विभाग आणि हॉस्टेलमधील सोयी-सुविधांची त्यांनी माहिती घेतली. विद्यार्थ्यांच्या दृष्टीने होत असलेल्या विविध विकास योजना, संशोधन कार्ये या वैविध्यपूर्ण विषयांवर राज्यपालांनी शितोळे यांनी चर्चा



व्यवस्थापन परिषद सदस्य शितोळे यांनी मुंबईत राज्यपालांची भेट घेतली.

केली. शितोळे यांच्या मार्फत चालवल्या जाणाऱ्या जलदूत संस्थेच्या संदर्भात त्यांनी उत्सुकतेने जाणून घेतले. संस्थेने केलेले जलसंवर्धन व जलयुक्त शिवारच्या कामांविषयी राज्यपालांनी समाधान व्यक्त केले. नवीन कुलगुरूंच्या निवड प्रक्रियेच्या संदर्भातही उभयतां चर्चा झाल्याची माहिती आहे. यावेळी राज्यपालांनी दिल्याचे शितोळे यांनी सांगितले.

## Future plans

- Jaldoot has planned to rejuvenate river in Satara region. It is also proposed to build multiple bund in that river
- Recharging of water resources in Aurangabad city
- Restoration and rejuvenation of all the existing step wells (Around 120) in Aurangabad city
- Plantation of Trees



**Glimpses of “JALDOOT Volunteers” working at various sites**

**# Paying tribute in special way to the Martyrs in Pulwama Attack by doing water conservation**



**# A good Start is half work done!**







Young Brigade enjoying self Made Refreshment



# Getting relaxed. Singing patriotic songs, meanwhile...





#Taking Dregs out of Step well



# During construction of Ferro Cement Bund

-----**XXX**-----

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# जलदूत संस्थेतर्फे आयोजित झाडे वाचवा पक्षी वाचवा पर्यावरण वाचवा

