

OPPORTUNITIES

EMPLOYMENT GENERATION

BLUE-COLLAR
WORKERS



WHITE COLLAR
WORKERS



Use of local skilled labor

DIGGERS



PLUMBERS



MASONS

EMPOWERING LOCAL WOMEN IN OUR MISSION



BUSINESS OPPORTUNITIES

- ❑ Manufacturing of PVC Perforated Filter Pipes of 20ft length that costs Rs 10,000.
- ❑ Manufacturing of Concrete Rings of 36" in diameter and 11" in height that costs Rs 200 each.
- ❑ "Mawtka" Filters can be brought into the economy on a larger scale.
- ❑ Theoline(diluted chlorine) that could be brought to the local people at a minimum cost of Rs.10 per ltr.

PVC PIPES



It is a filter pipe with
perforation
all through out the body



**EACH SUBSIDIARY
PART CAN BE
PRODUCED AND
SOLD IN THE
MARKET.**



CONCRETE RINGS



Number of Rings used for each dugwell
Is 20 and each costs Rs 200

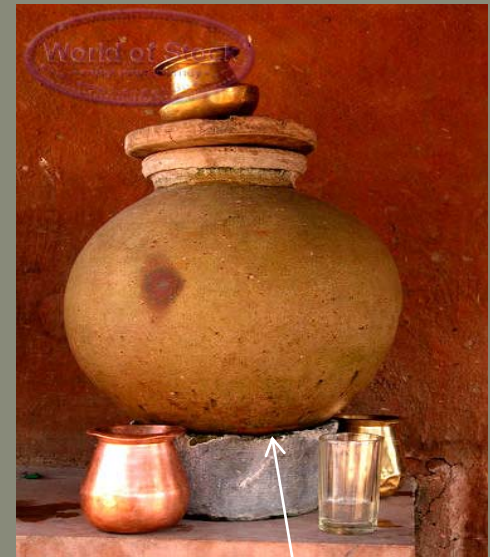
$$20 \times 200(\text{Rs}) = 4000(\text{Rs})$$



MAWTKA FILTERS



FILTER WITH A TAP



TRADITONAL FORM

USE OF PLASTIC BOTTLES

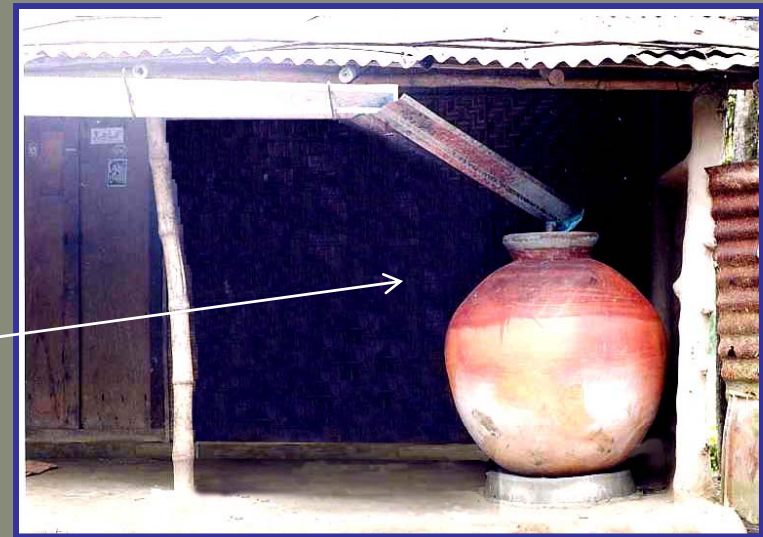
- Iron dissolved in water sticks to the bottle and forms a layer.
- Repeated use results into an odor that gradually changes the smell of the water.
- It is not safe to store water in such bottles especially when the bottles get HOT harmful chemicals from the plastic are released into the water.





Earthen Mawtka filters can be used to store water in other areas also. Matka filters do not remove arsenic. It removes the organic and chlorine odor.

Collection of rainwater into earthen Mawtka .



POTTERY



FAMILY TRADE

❑ As per 2001 census, Chakdaha block had a total population **362,739**, out of which 187,025 were males and 175,714 were females.
(source: wikipedia)

❑ Total population is **362,739**, or more than **70,000** families.
Every family to use a “mawtka” filter cost is Rs.150 - projected to be 10.5 lakhs of Rupees. The pottery industry will grow if this can be brought back into the economy that is fading away being replaced by plastic bottles.



THEOLINE

(DILUTED FORM OF CHLORINE)



“IF”

20 FAMILIES USE ONE DUGWELL ON AN AVERAGE

500ml OF THEOLINE(1 BOTTLE)IS USED FOR ONE DUGWELL IN A MONTH.

70,000 FAMILIES WOULD REQUIRE 3500 BOTTLES OF 500ML PER MONTH.

THEN WHY NOT MAKE A MARKET OUT OF IT?

IN West Bengal theoline or clean water disinfectant is not available in the market.
As the farmers purchase fertilizers and pesticides for their crops theoline can be made
Available to them through such stores.

TO ESTABLISH SUSTAINABILITY

- a) Surveillance Program & Monitoring of Arsenic and bacteria levels in dugwell waters as per schedule
- b) Managing projects by two methods –
 - i) AWS's own internal method;
 - ii) Crowd sourcing using internet website called peerwater exchange – <peerwater.org>

PEERWATER EXCHANGE(PWX)

www.peerwater.org

Welcome to Facebook | Peer Water Exchange | Project Well

peerwater.org

Suggested Sites | Yahoo! | Google | PWX | CalMail | BoW | YouTube | Home | Facebook | Star Ananda | Comcast | Other bookmarks

peer water exchange
A PROJECT OF BLUE PLANET NETWORK

Search go Home | AnalytiX | Map | About | Blog

Member Login
projectwell
.....
Go>

Smarter Solutions for a Thirsty Planet

PWX is the water sector's global exchange - to select, fund, manage, and assess impact of all water and sanitation projects.

Philanthropy 2.0
creates **collaboration**
is decentralized and **scalable**
relies on **crowdsourcing** of trained and passionate people
is fully **transparent**
empowers through participatory decision-making

Value Propositions:


3. Long-term monitoring at low cost thru 3rd party/peer visits

What I've seen so far looks tremendous. I've seen nothing else like it, and think it offers serious potential for improving transparency, information available to users, and the ability to understand what really works in the real world.

Dr. Peter Gleick
President, Pacific Institute

Work & Network - Mapped!

See **all** our applications, projects, and members on the water sector's first, most innovative, and **interactive map**.



- Logo collage and list combo of the network
- Interactive list of our 82 members
- Map-chart of the 24 countries where projects are located.

How PWX Can Help You

PWX vision. How PWX AnalytiX can help everyone in the sector.

How PWX works.
हिन्दी में En español En français.

How all the diverse stakeholders benefit from PWX.
हिन्दी में En español En français.

Quotes from members, experts, and process innovators.

PWX Snapshot

- Communities Assisted: 1090
- People Benefited: ~802,239
- Total Programs/Projects: 426
- Projects In Progress: 78
- Total \$ Managed: \$29,630,922
- Community Contribution: 11.5%
- Applications Peer Reviewed: 212
- Total Peer Reviewed: \$3,355,673
- Projects Ready for Funding: 38

Donate Now

Invest in PWX or Fund Water Projects

Winner!

The Tech Awards
Intel Environmental Award at the 2010 Tech Awards

PWX AnalytiX

Business intelligence tools for the water sector

Video Tutorials

View demos and notes to maximize use and impact

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SATELLITE PRESENTATION THROUGH GEO-CODES

Peer Water Exchange x (465 unread) - indicia x Welcome to Facebook x Aryabhata - Wikipedia x

peerwater.org/dashboard/member

Suggested Sites Yahoo! Google PWX CalMail BoW YouTube Home আলন্দবাজার Facebook Star Ananda Comcast Other bookmarks

Accept & Manage Funding

Arsenic Safe Drinking Water: N 24 Parganas - Swarnnagar Set5 A (10)
Submitted on 2010-07-27 | Manage

Arsenic Safe Drinking Water: N 24 Parganas - Basirhat Set5 C (5)
Submitted on 2010-07-27 | Manage

Arsenic Safe Drinking Water: Nadia - Haringhata Set5 D (10)
Submitted on 2010-07-27 | Manage

Arsenic Safe Drinking Water: Nadia - Chakdah Set5 E (10)
Submitted on 2010-07-27 | Manage

Arsenic Safe Drinking Water: Nadia - Chakdah Set5 F (10)
Submitted on 2010-07-27 | Manage

Project AnalytiX

Date Filter

☐ Projects started this year

☐ From 2009 to 2011

☒ Any

Organization Filter

☒ My projects

☐ Done by: [dropdown]

☐ Funded by: [dropdown]

☐ Any

Status Filter

☒ Running late

☐ Visited by:

☐ Implementer

☐ 3rd Party

☐ Anybody

☐ Not visited

☐ Any

Map **Satellite**

Impact: Beneficiary Counts

No. of Beneficiaries

Year

Total Impact

APPLY FOR FUNDING

No funding cycle is open; create drafts for later.

Create Draft Application

PROJECTS

Active Projects

- Arsenic free bore-dugwell (PW188) funded by MSSCT
India | Swarnnagar/N 24 Parganas | Dewara South Para
- Arsenic free bore-dugwell (PW189) funded by MSSCT
India | Swarnnagar/N 24 Parganas | Dewara, Gabtala
- Arsenic free bore-dugwell (PW190) funded by MMSCT
India | Swarnnagar/N 24 Parganas | Barghoriya
- Arsenic free bore-dugwell (PW191) funded by MMSCT
India | Swarnnagar/N 24 Parganas | Ramkrishna

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RESULTS OF A PROPER SURVEILLIANCE

- ❑ It helps to find out the increased or decreased consumer number.
- ❑ Its also helps to find out the reasons for the decreasing number of consumers.
- ❑ Tracing the need of repair of existing dugwells.

SUPPLY CHAIN MANAGEMENT

