

WATER SUCCESS - STORY

Revolution ? No but Collective Efforts

PURTI
UCR BANDHARI
LOW COST/LOCAL
MATERIAL
JAN 12-18

Tamaswada Pattern (TP) Nala Treatment (RIDGE TO VALLEY)

Concept

: THEME :

Inspiration



Water is Life

Water Is life

Rain Water Harvesting, Storage, Conservation
And
Artificial Ground Water Recharge Project
Year 2010 to Year 2018



Hon. Shri. Nitinji Gadkari
Visionary Personality



Farmer at Critical Position of Watershed (Ridge)

Project : At Village Tamaswada Hill - Forest (RIDGE) TO (VALLEY), Dham River,
Tamaswada - Tah. Seloo, Dist. Wardha - State : Maharashtra - INDIA

Effective Solution to CLIMATE CHANGE - Answer To Drought and Flood.

-: Consolidated By :-

Madhao Govind Kotasthane

Civil Engineer - Mob.:- 09765426117, 09422142781

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PURTI SINCHAN SAMMRUDDHI KALYANKARI SANSTHA (NGO)

MODEL PROJECT OF :- CONVERGENCE, LOW COST WORK WITH PEOPLE PARTICIPATION
AND EFFECTIVE IMPACT ON SOCIO-ECONOMIC DEVELOPMENT OF VILLAGE.

SUPPORTED & HELPED BY

CO-ORDINATOR



P. V. JAMDAR

GUIDE

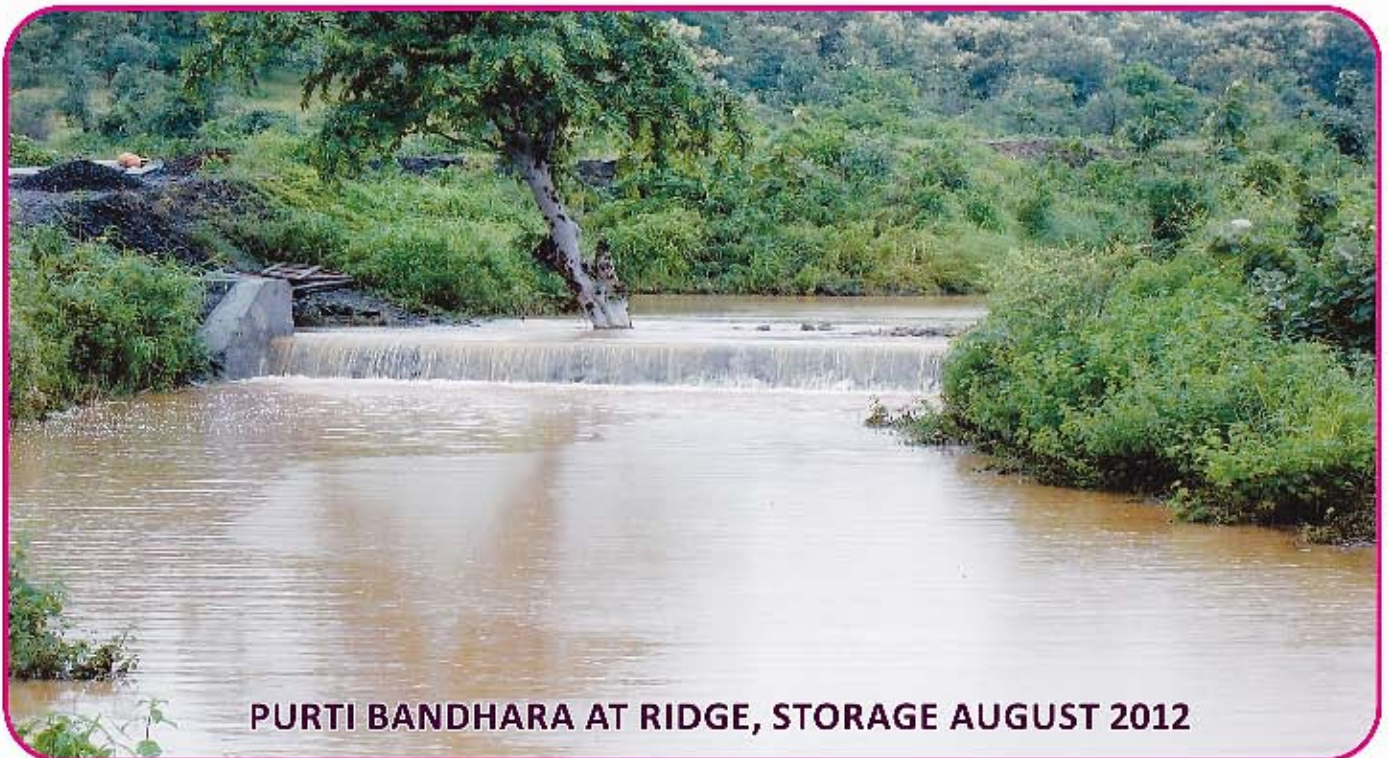


**RAVINDRA KALI
SENIOR GEOLOGIST**

GUIDE



**RAJENDRA DESHKAR
SENIOR GEOLOGIST**



PURTI BANDHARA AT RIDGE, STORAGE AUGUST 2012

GUIDE



**DR. P. K. JAIN
HYDRO GEOLOGIST**

NGO



MILIND BHAGAT

ASSISTANCE



SATYAJEET JAMBHULKAR

Rain Water is the only Source
CONSERVE IT SAVE IT IT WILL SAVE US



Extending Nature & Greenery - Year 2010 to 2018



Make Maximum area Green and Conserve it



Visited by Hon. Ramdasji Tadas, M.P. Loksabha



U.C.R. Purti Bandhara - Oct 2012

Ideal Convergence Work
For
Participatory Ground Water Recharge & Management work :
October 2010 to May 2018
TAMASWADA PATTERN (TP) NALLA TREATMENT
THROUGH
ARTIFICIAL GROUND WATER RECHARGE BY DRAINAGE LINE TREATMENT
WORK : MICRO WATERSHED DEVELOPMENT IN THE
DIRECTION : RIDGE TO VALLEY :

Village Grounds- Tamaswada – Akoli – Jamni – Kshirsamudra – Bahulgaon, babpur
Tah. - Selu Distt. - Wardha (M.S.)

Worked for - Rain Water Harvesting - Conservation, Storage & Ground Water
(Augmented Rain) Recharge To creat Surface Water Storage as well as Ground Water Storages.
Water Storages

: Participatory/Contributory Convergence Model Work :
Year 2010 to 2018

Sr. No	Head or Dept./NGO/Corporate etc.	Contribution/Participation
1	Contribution of Corporate Sector (Financial & Diesel for Machines)	By 'Mahatma' Sugar Factory (MANAS Group) Jamni Tal. Selu Distt. Wardha Diesel Expenditure done for work (Rs. 15 Lakh)
2	Contribution by Members of NGO (Financial & Monitoring work)	Contribution by members of PURTI SINCHAN Kalyankari Sunstha (NGO) WARDHA About 4 Lakh
3	Participation of Villagers of Tamaswada Akoli – Labour work & Co-Operation	Villagers from Tamaswada (Tribal), Akoli -Jamni Tah. Selu Distt. Wardha-Maharashtra
4	Local Dev. Fund used through MP/MLC (Maharashtra State)	Local dev Fund from shri. Apte (MP Rajyasabha) MLC - Shri. Nitingi Gadkari, Shri. Phundkar, Smt. Fadanwis, Shri Mankar, Shri. Ganar -1 MP – 5 MLC
5	State Government – DPC Central Govt. Schemes – VIIDP – (RKVY)	DPC Wardha – For Modification of Banhara about 85 Lakh. Central Govt – RKVY – VIIDP Scheme throuth Deptt. Jalasandharan (Local Sector) State
6	Various State Govt Deptt. involved in execution & Imple – mentation of Project	<ul style="list-style-type: none"> • Minor Irrigation Zilla Parishad Wardha • Water & Soil Conservation (State) Dept (Local Sector) • Agriculture Deptt. (SAO) Area Treatment • Revenue Deptt. Wardha Distt. (Collector) • Forest & Distt. Publicity Office. GSDA Wardha
7	Co-Operation/Participation	<ul style="list-style-type: none"> • Group of Senior Geologist • MP/MLA/ZP Member/PS Member, Civil Engineers, • Experts, Villagers, Farmers.
8	Publicity/Awariness Participation visit/Print Media/Electronic Media Visited by – NITI AYOOG, Expert Team from (GWB, Team of Sr. Geologist, Minister of Water Resources (GOI) & Documentry on U tube : (Click Purti Sinchan)	MP, Ministers, Niti Ayog. Officers. Collector GSDA Team CGWB Experts, Engineers, Activists Print Media – TOI, TarunBharat, Lokmat, Loksatta, Hitwada, Sakal, NavBharat, Dainik Bhaskar, Deshonnati, Agro-One, PunyaNagari. Ele. Media – Z-24 Tas, Rajyasabha TV, Green TV, IBN Lokmat, ABP Maza, ANI, Daily Jagran (MP), Frontier TV 24x7

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TAMASWADA PATTERN (TP) NALLA TREATMENT

-: PROJECT :-

RAIN WATER HARVESTING, CONSERVATION & GROUND WATER RECHARGE

-: FOR :-

PRESERVATION & CONSERVATION OF NATURAL & TRADITIONAL WATER BODIES.

ALSO MOST VALUABLE ENVIRONMENT & NATURE

ULTIMATELY

REJUVENATION AND RESTORATION OF WATER BODIES WITH CONTRIBUTION TO GROUND WATER RECHARGE & STORAGE CAPACITY



THEN



NOW



STEPS TOWARDS IMPROVED CONDITION OF ENVIRONMENT, NATURE, RURAL ECONOMY, LIFE STYLE OF VILLAGE & VILLAGERS, ORGANIC & MINIMUM POLLUTION AGRICULTURE ACTIVITY MILK PRODUCTION GREENERY & MEAT PRODUCTION. DUE TO EFFECTIVE GROUND WATER RECHARGE IN TRIBAL VILLAGE TAMASWADA TAH. SELU, DISTT. WARDHA, STATE MAHARASHTRA, INDIA

THEME : WATER IS LIFE

Rain Water is the only Source. Save & Conserve it-It will save us.



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❑ WATER OF VILLAGE FOR VILLAGE & VILLAGERS. FOR ALL & ALL PURPOSE

• APPEAL •

" We know colonies & villages are established on the bank of River, Major River, Nalla, Drains, village Tanks due to availability of Water for all purpose. Today shortage of water is a serious problem. But there is a way as every colony or villages has some type of Natural water source and each water source has its own catchment area to collect Rain Water. This catchment area is nothing but the micro and mini watersheds. Therefore it is necessary to develop these all micro watersheds and establish Rain Water Harvesting, Conservation and Ground Water Recharge project at various locations as many as possible. Let us start work today for ample availability of water in FUTURE."

SUGGESTIONS AND MODIFICATIONS ARE WELL COME.

TAMASWADA PATTERN (TP) NALLA TREATMENT



Base Map : Village Map of Tamaswada With
 Marking of Exist Structure & Drainage Line

-: ADOPT : 5 'R' METHOD :-

- 1st 'R' - REVIEW (SURVEY)
- 2nd 'R' - REPAIR (STRUCTURE & METHOD)
- 3rd 'R' - REJUVENATION
- 4th 'R' - RECHARGE (GROUND WATER)
- 5th 'R' - RESULT (ANALYSIS)
 (IMPACT ANALYSIS, SOCIO ECONOMIC SURVEY)

: Work For :

EFFECTIVE RUN OFF RAIN WATER MANAGEMENT (ACCORDING TO '3' ZONE)

: DIRECTION :

ESSENTIALLY "RIDGE TO VALLEY"

: PRIORITY :

RIDGE AREA DEVELOPMENT & MAXIMUM POSSIBLE PLANTATION

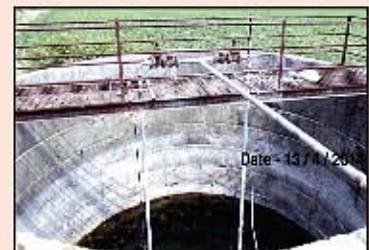
FOLLOW SEQUENCE FOR DEVELOPMENT / REJUVENATION.

MICRO - MINI - MEGA WATERSHED - MINOR RIVER - MAJOR RIVER

: SALIENT FEATURES :



NO LAND ACQUISITION
 NO COMPENSATION
 NO REHABILITATION
 NO DISPLACEMENT
 NO MIGRATION
 NO FLOOD &
 AMPLE GROUND WATER.



**Make Running Water to Walk, Walking Water To Stop &
 Allow Stopped to Recharge Groundwater**

Tamaswada Nala Rain Water Harvesting storage, Conservation and Ground Water Recharge Project (Pilot Project)

Tamaswada Nala, At Tamaswada Tal. Seloo, Dist. Wardha. (Maharashtra)

10 Oct 2010 to August 2018

(Details of First Stage of 0 to 3.5 Km length)

CRITICAL PORTION AT RIDGE LEVEL

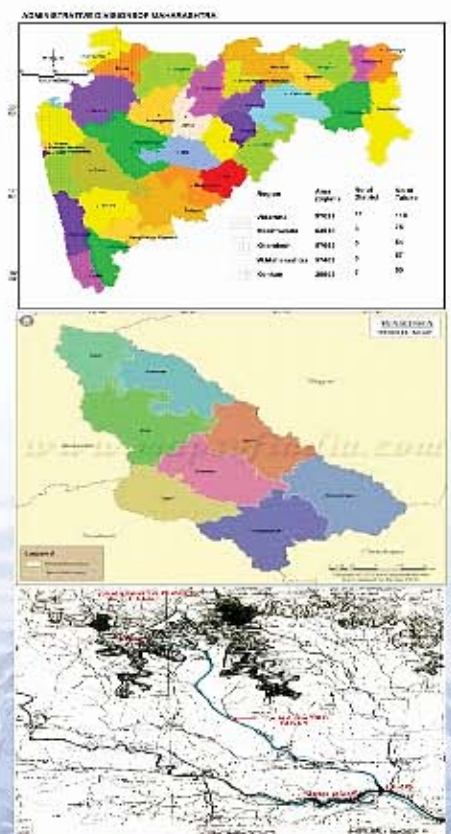
Tamaswada Village Ground

SUCCESS STORY

Concept	:	Water is Life.
Works for	:	Rain Water Harvesting, Conservation and Ground Water Recharge.
Reason	:	Rain Water is the only source of water.
Method	:	Work form Ridge (Origin) to Valley (Junction) is essential.
Selection of Site	:	Dry, Non command area is selected. Tamaswada Nala of Tribal Village Tamaswada, Tal. Seloo, Dist. Wardha, State. Maharashtra, INDIA.
Length approx	:	Ridge (Tamaswada forest Hill) to Valley (Dham River) about 12 km.
Villages across (Master plan)	:	7, Tamaswada, Masala Akoli, jamni, Kshirsamudra, Babhulgaon, Balapur.
Survey (10/10/2010 to 30/03/2017)	:	Survey, measurement of Nala bed considering Topography, Geology, Geography, Civil Aspects.
Preparation	:	L-Section, Cross Section Survey, Location of proposed various types of Bandhara (plug).i.e. cement, Gabian, U.C.R. Eathen etc.
Awareness (within notified land of Nala)	:	Conducted meetings of Villagers and proposed beneficiaries, Farmers about work to do.
Work Starts	:	April 2011 Removal of Encroachment over Nala bed. Desilting of Nala bed.

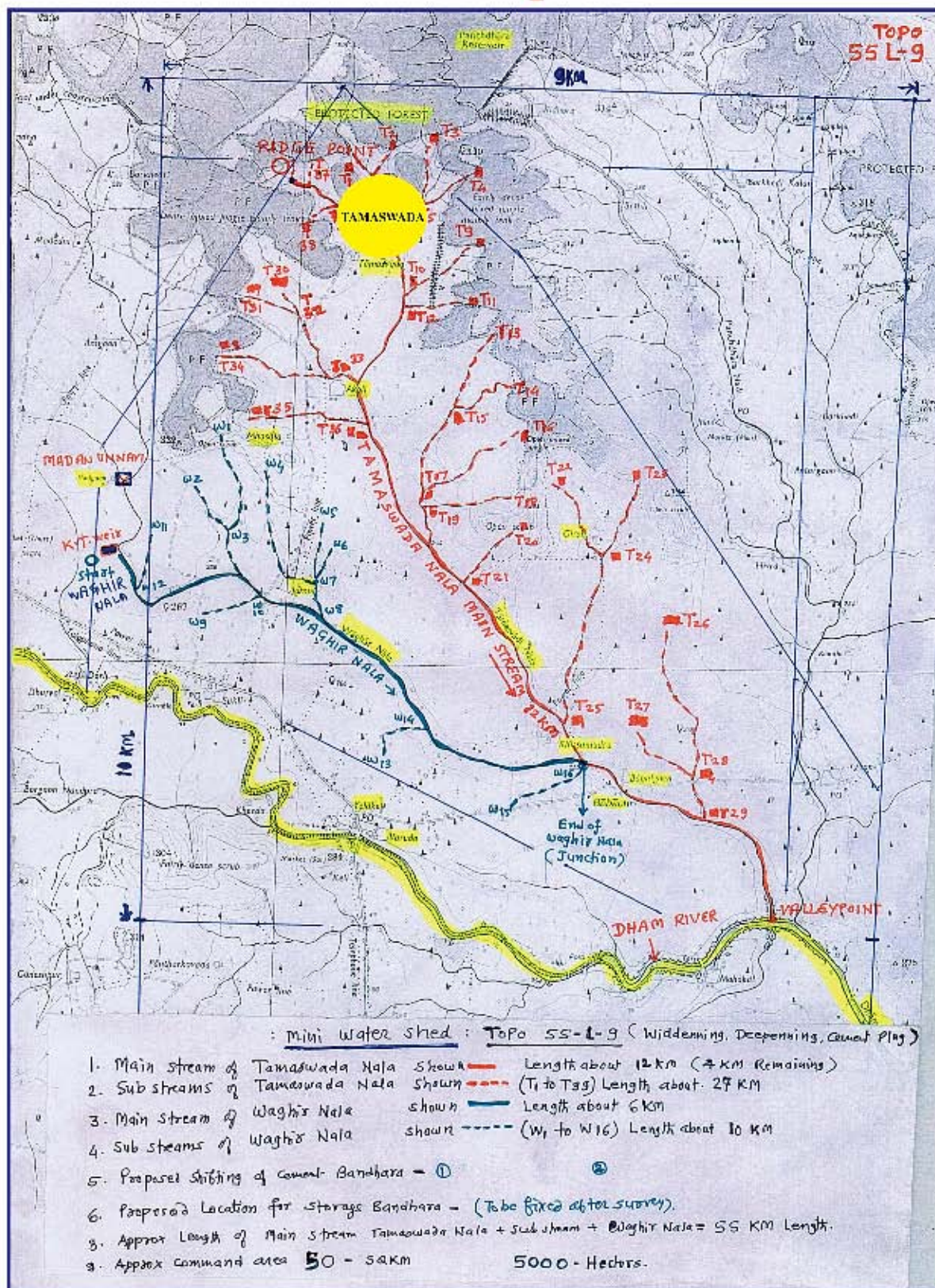


POSITION BEFORE WORK



TOPO SHEET

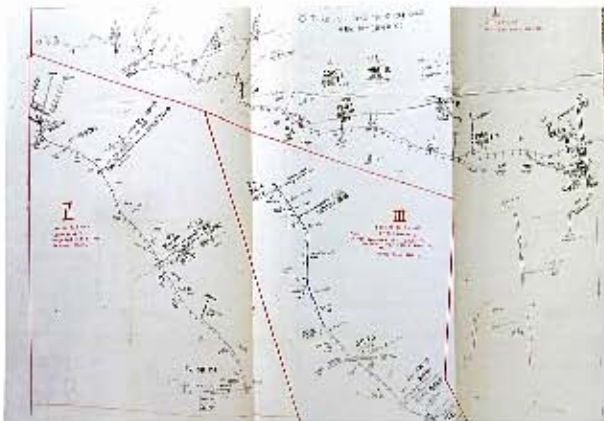
Micro Watershed Map Tamswada Nala



- Topo sheet No. 55-L/9
- Mega Watershed WRWBD - 5
- Mini Watershed 2/2
- Micro Watershed Village No. 1

Tamaswada

- **District: Wardha (Maharashtra)**
- **Taluka: Seloo**
- **Village: Tamaswada**
- **Area: 856 Ha**
- **Location; On Water divide(Ridge)**
- **Population: 424 (232 ST)**
- **Ann. Av. Rainfall: 1050 mm**
- **Occupation: Agriculture, Labour**
- **Cultivable Land: 429 Ha.**
- **Major Crops: Cotton, Soya been, Wheat etc.**
- **Irrigation: Very Limited (ground water)**
- **Job opportunities: almost Nil except Limited agriculture**
- **The people turned to local liquor preparation and selling.**
- **It had became major source of income.**
- **Increase in criminal activities, shifting to cities for job**
- **Govt servants consider there posting in village as punishment**



Traverse Survey



Meeting for Awareness



Demarcated Village plan



Damaged Structures

Desilting, Widenning of Nala bed, Deepening of Nala bed over Narow & Shallow Bed. In Short : To increase capacity to store rain water by Ten times than Previous.

Make the Pot bigger for Bigger Rain water Storage



Fully Silt up Nala Bed with Zero Storage Capacity March - 2011

TAMASWADA NALA RAIN WATER HARVESTING AND RECHARGING PROJECT (RIDGE TO VALLEY;
(AT TAMASWADA, TAH : SELU, DISTT : WARDHA - MAHARASHTRA)



WORK OF DESILTING, WIDENING, DEEPENING OF NALLA BED

TAMASWADA NALA RAIN WATER HARVESTING AND RECHARGING PROJECT (RIDGE TO VALLEY;
(AT TAMASWADA, TAH : SELU, DISTT : WARDHA - MAHARASHTRA)



WORK OF DESILTING, WIDENING, DEEPENING OF NALLA BED

Application of: Application & construction of cement plug, Gabion plug, U.C.R. Various Bandhara cement plug, Earthen plug, where requirement, strengthening of old structures (Existing), Provision of Earthen Dam at up stream side (Ridge side) to every masonry or cement plug useful for crossing Nala bed and to reduce high velocity of Runoff Water, For cattells to drink water from Nala Bed.



GABION BANDHA



**Gabion Bandhara
Using Local Material**



CEMENT NALA BANDH (C.N.B.)

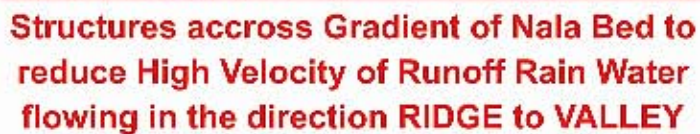


**EARTHEN BANDHARA STONE PITCHING
(TO REDUCE HIGH VELOCITY) 500 MT POINT**

Why to do :

- To reduce high velocity of Runoff Rain Water.
- To reduce process of silting by Runoff Water.
- To Increase Storage Capacity of Nala bed to store Rain Water.
- To stop Flood process.
- To Recharge Ground Water Table. (Level of wells, Bore etc.)

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JUNE 2011

Provide Bigger size Rain water storage tank at up stream side of check Dam or cement dam.

-Bigger the size of Pot – Bigger Is Rain Water Storage -
For Ground Water Recharge



4 DEC 2014

TO STORE MORE & MORE RAIN WATER as Rain Water is only Source.
AVOID POSITION SHOWN IN 1 and 2
ADOPT THE TREATMENT SHOWN IN 3 AND 4

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NO OIL - SIDE, DEEP, SEALT-FREE
WRIBED AFTER
TREATMENT
With more Storage Capacity

**Section after work with increased
Rain Water Storage Capacity
(BIGGER SIZE OF POT)**

Position of Nala bed :
(Before treatment)

Used to be dry in month of October
within 15 days from end of rainy season.



↑ Fully Slit up Nala Bed, near to Zero Rain Water Storage Capacity ↓



Position of Nala bed : 2011-12 water available in Bed up to March end water Level of wells rise about 10 to 14 feet.(3 to 5 Meters)
 (After treatment)
 2012-13 water available in Bed up to may 15 May. water Level of wells Rise about 15 to 26 feet.
 (5 to 8 Meters)



Year - 2012



29-4-2015



Year - 2012



Year - 2018



Water Level :
(About 27 open wells in command)

Dry Nala bed in October, Level of wells in surrounding in month of April-May was about 20 to 40 Feet below G.L. Before Treatment. Now water is available in Nala bed at some portion in month of April-May.
Level of wells in command of Nala bed about 8 to 14 feet from G.L.
Rise in level of wells about 15 to 26 feet.



Well of Ridge



Photo 13-03-2013



Well of Ridge-Full of Water

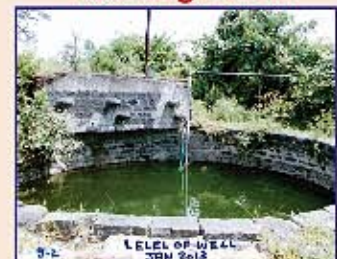


STORAGE 6 APRIL 2017



Recharged Dug Well & Farm Pond at the bank of Nala

Recharge Well



Level of Wells



Recharge Well

Facility :

(About 27 open wells in command)

Crops:

About 20 Diesel pump were applied in crop season 2012-13 to lift water From Nala bed for irrigation. (By farmers those who are not having open well) for Khariff, Rabi, & Summer crops Vegetables. Increase in area under cultivation (Various crops) khariff, Rabbi, summer, vegetable, 2011-12, 2012-13, season (Agriculture)



Facility to lift from Nala Bed for Rabi Crops



Water For Cattle



Diesel Pump for Rabi Crop



VEGETABLE



GROUND NUT



SUGAR CANE



OWNED TRACTOR For Cultivation



Sugar Cane (Sprinkler)

Salient features of multi conventional project

- Zero - Land Aquisition.
- Zero - Displacement.
- Zero - Rehabilitation.
- Zero - Compensation.
- Zero - Flood.
- Towards zero migration (Village to City).
- Zero - Drought.

Extra Facilities :

- Free - Water available (for Recharge) to water supply well of village.
- Free - Water available in Nala bed for cattles and Rabi Crops.
- Free - WBM Road on both bank of Nala bed prepared by using excavated material.
- Free - Conservation of Nature, Plants, due to water available.
- Free - Facility to lift water directly by Diesel pump from Nala bed for Irrigation.

7

7) Major Facility to lift water for Irrigation in Dry area by lifting water from Nala bed for Irrigation. Especially for Farmers not having well water available for Rabi up to End of March



Lift Irrigation

Using Water (surface) from Nala Bed.

8

8) Construction of WBM roads (free of Cost) on Banks of Nala Bed using excavated material. Very useful for farmers also Construction of C.D. Works for Farmers



W.B. Roads

Water for Cattles

Road on Bank

- **Make Size of pot bigger & bigger**
- **Store more and more Rain Water**

9

1) Well of water supply to village Tamaswada is full of water due to recharging. Very much useful for of Tamaswada (Tribal Village)

- ▶ Water for cattels, Animals
- ▶ Water for Domestic Purposes.
- ▶ Ample water for villagers.



Scope of Work :

- More than 90 % villages have Nala Location.
- Every Nala has Own Catchment to provide or store rain water.
- so to adopt work for water of village to Village & Villagers.
- Subject to do the Work form Ridge to Valley.

**Appreciation by:
Farmers
(Benifited)**

Out Put is 100 % which is great achievement for us and veery proud to say Farmers of villagers do not created and obstacle or opposed to work. Now they are Speakers of the project actually, Also appreciated by other Farmers form outside, also by Media, Print media.

Experience.... of Farmers and Benificiaries

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सुभाषचंद्र बोस

पिता सुभाषचंद्र च. बसु

मूल निवास - ...

कार्यालय : शिवरात्री भवन, मेन रोड, आकोली, ता. रोनु, जि. वर्धा. मो. ९८६४३९५०२६, ८००९८००९४६
निवास : पु. पो. आकोली (धरपुरे), ता. सेल, जि. वर्धा. मो. ९१२६८८०१३९, ८००९८००९२६



दिनांक:

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 उपकार झाला आहे. कविपुत्रात काय : आत्म्या
 समर्थता आहे. अनेक नेतृत्व-यांनी आली
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2023/01/23

प्र. ७४२६—श्रीविनायक सागर सा.पु. सं.ट पत्र
द्वि (अंकी) वडा पुणे दिनेशमकर

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१०५८ ३६८
 यद्यपि अन्तर्गत विस्तृत अंग्रेजी की प्रणालि
 उपलब्ध मात्र, दुर्भाग्यवश कागज पुराना-सा है।
 हमारे नज़राने कागजों पर अंग्रेजी वर्तमान के प्रमुख
 विक्रमों के लिए अंग्रेजी नाम का प्रयोग किया जा रहा है।
 ऐसी ही है। हमारे काम के अंग्रेजी वर्तमान के प्रमुख
 विक्रमों के लिए अंग्रेजी नाम का प्रयोग किया जा रहा है।



Homalo
(A. S. 40 modus)
(A. S. 40 modus)

**Cost Benifit
Ratio :**

2011-12 80 % Cost Benefit is achieved compared to expenditure within first year (Agri Season), 2011-12 In form of increase in crops, Income WBM Road cost, C. D. work cost, One plug U.C.R. by local material, Gabion, Earthen, Bandhara with local material.

Cost Benefit Ratio, of project 2012-13.

To be prepared at the end of may 2013.

The Cost Benefit Ratio for First 2 years will be +1.2 as compared to Expenditure done.

(for First stage of 3.5 Km length completed)

Execution :

First portion of Nala 0 to 300mt. + 0 to 130 mt is Executed by Purti Sinchan Sammrudhi Kalyankari Sanstha (N.G.O.). Work of supervision over 3.5 Km. length. Provision of UCR plug, Gobain plugs, Earthen plug WBM Roads for farmers, Desilting, work is done by NGO Purti Sinchan. Also strengthing of old structure (Existing). One cement plug is Executed by minor irrigation (ZP) Wardha & rest six cement plugs and works are executed by office of Minor Irrigation Local sector, Nagpur Circle, by using local development funds from Mp. (Rajya Sabha) & MLC of Maharashtra.

(Cost of work depends upon Location, Topography, Geology and Civil aspects)

-: WORK FOR :-

EFFECTIVE RUN OFF RAIN WATER MANAGEMENT (ACCORDING TO '3' ZONE)

-: DIRECTION :-

ESSENTIALLY "RIDGE TO VALLEY"

-: PRIORITY :-

RIDGE AREA DEVELOPMENT & MAXIMUM POSSIBLE PLANTATION

FOLLOW SEQUENCE FOR DEVELOPMENT / REJUVENATION

MICRO - MINI - MEGA WATERSHED - MINOR RIVER - MAJOR RIVER

Our Hopes :

Such type of projects can be executed by sponsorship of Hon. Person, Institutes, Industries, N.G.O. which can help to stop suicides of Farmers and to make strong rural Economy of Agro dominated India.

Appeal :

Please adopt one village or one Nala to execute above said project for Farmers & Rural Locality and Community.

IMPACT ANALYSIS CHART (Year - 2017)

Impact of TP Treatment in Development of the Village			
Item	Before	After	%
No. of wells with Pump set	10	27	170 %
Kharif	190 ha.	305 ha.	150 %
Rabi	0 ha.	15 ha.	
Perennial Crops			
Sugar Cane	4 ha.	16 ha.	400 %
Ground nuts & Vegetables	0 ha.	16 ha.	
Horticulture	Almost Nil	6 ha.	
Area not Available due to flood During Monsoon	24 ha.	0	Increase in additional Agriculture land
No. of Milking Animals	70	190	270 %
Milk Production	180 Lits	550 Lits	300 %
Goats	60	300	Producing > 2000 Kg of Mutton / year
Tractor	1	4	
Per family Net Av. Income / Month (Rs.)	4,906/-	17,217/-	350%

Animal dugn increase to 600 tons/year due to increase in animals, led to reduction in use of chemical fertilizer resulted in Saving in capital cost of agriculture.

YEAR 2016- 2017

Impact of T.P. Treatment in Socio-Economic Development



Shravan Waghmare

Ample Water for all purposes, Improved Cropping Pattern, Cattle Farming, Vegetable, Growing Ultimately Improved Rural Economy and Increased Income 2 to 3 time more of Farmers.

GOOGLE IMAGE

BEFORE WORK

Date : 19/05/2002



Nala Bed not Visible and with Zero Storage Capacity

AFTER WORK

Date : 05/02/2014



Nala is now Visible and Full of Rain Water Storage due to Work done



WATER SUPPLY SECURITY THROUGH

Rejuvenation of River Through Micro Watershed Development

Tamaswada Pattern (T.P.) Nalla Treatment

RIDGE TO VALLEY

(Tamaswada Forest Hill) Year - 2010 to 2017 (Dham River)

About 12 KM (6 Villages)

Village - Tamaswada Tah. Selu Dist. Wardha
State - Maharashtra- INDIA

पावसाच्या पाण्याचे संवर्धन साठवण व पुनर्भरण



CONCEPT :- WATER IS LIFE



Madhao Govind Kotasthane
Civil Engineer
Plot No. 4 Pratap Nagar, Wardha Pin- 442001
Maharashtra India
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RAIN WATER IS THE ONLY SOURCE, SAVE IT, IT WILL SAVE US



II TEAM WATER IS LIFE II

INSPIRATION



Hon. Nitinji Gadkari

GUIDE



Hon. P. R. Mundle



Coordinator



Prafuldatta Jamdar
MO : 09922926771

Project Engineer



Madhao Kotasthane
Mo : 09765426117
Civil Engineer

GUIDE



Ravindra Kali
Mo : 09422816131
Geologist

GUIDE



Dnyaneshwar Channe
Mo : 9423105174
Geologist

GUIDE



Shirish Kulkarni
Mo : 09422106908
Geologist

GUIDE



Rajendra Deshkar
Mo : 08975756847
Geologist

GUIDE



Nitin Mahajan
Mo : 09850343806
Geologist

NGO



Milind Bhagat
Mo : 09850352387



Vijay Ghatole
Mo : 09373084040



Satyajeet Jambhulkar
Mo : 08554011155



Pranav Joshi
Mo : 09730760699



Vikas Totde
Mo : 09823063374



OFFICE

PURTI SINCHAN SAMRUDDHI KALYANKARI SANSTHA (NGO)

**Add :- Plot No, 4 Pratap Nagar, Wardha
Dist. Wardha Pin -442001, State - Maharashtra**

pvjamdar@gmail.com

Website : www.waterislife.org.in

Email: mkotasthanem@gmail.com

**TAMASWADA NALA RAIN WATER HARVESTING AND RECHARGING PROJECT (RIDGE TO VALLEY)
(AT TAMASWADA, TAH. SELOO, DIST. WARDHA - MAHARASHTRA)**

पावसाच्या पाण्याचे संवर्धन साठवण व पुनर्भरण



मा. ना. श्री. नितीन गडकरी

"RAIN WATER STORAGE AT RIDGE PORTION OF NALA"

Previously it was used to be dry in October

"PURTI UCR BANDHARA"





-: Success Story :-

Tamaswada Patteern (T.P.) Nala Treatment : Year 2010 to Year 2017
Oct 2010 to 31 Oct 2017

Rain Water Storage after Treatment 2010 -2011-2012 '0' to 12 km "Ridge to Velley"

Ridge : Tamaswada Forest Hill

Valley : Dham River

(Objective : Ground Water Recharge)



VILLAGE : TAMASWADA, MASALA, AKOLI, JAMNI, KSHIRSAMUDRA, BABHULGGAON-BABAPUR - DHAM RIVER

TAH. SELOO, DIST. WARDHA, VIDARBHA REGION, STATE MAHARASHTRA, INDIA

CONTACT : M.G. KOTASTHANE, CIVIL ENGINEER, : 09765426117, 09422142781, E-mail : mkotasthanem@gmail.com

PRAFULLDATTA JAMDAR, : 9922926771, E-mail : pvjamdar@gmail.com

SATYAJEET JAMBHULKAR, : 8554011155, E-mail : sjambhulkar88@gmail.com

website : www.waterislife.org.in

-: MAPS :-

JOINT MAP OF VILLAGES MAP OF MICRO WATERSHED

(Villages Ridge to Valley)



(Mini Watershed Map)

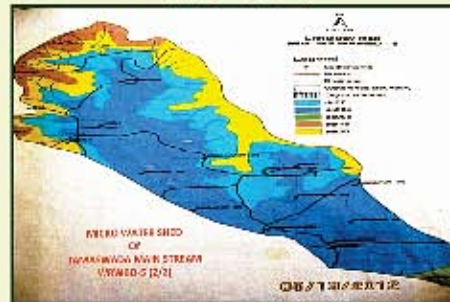


MAP CLASSIFICATION OF MICRO - WATERSHED



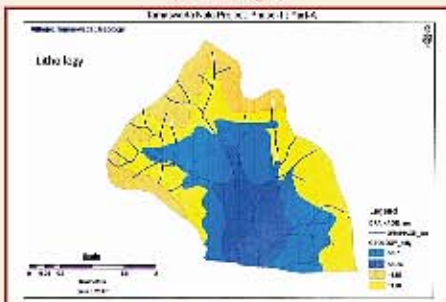
Wardha district

LITHOLOGY MAP
(Main vs WRWD - 5)



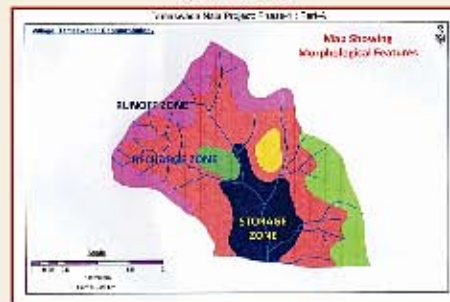
Micro Water Shed 2/2

MAP - LITHO LOGY
(Drainage)



Village - Tamaswada

MAP - MORPHOLOGY
(3' Zone)



Village - Tamaswada

VILLAGE MAP
(DEMARCATED)



DRAINAGE LINE MAP
(WITH VILLAGE - TAHSIL - FOREST BOUNDRIES)



DRAINAGE ANALYSIS MAP
(For Micro Watershed)



MICRO WATERSHED MAP
(Main Stream - Sub Stream)



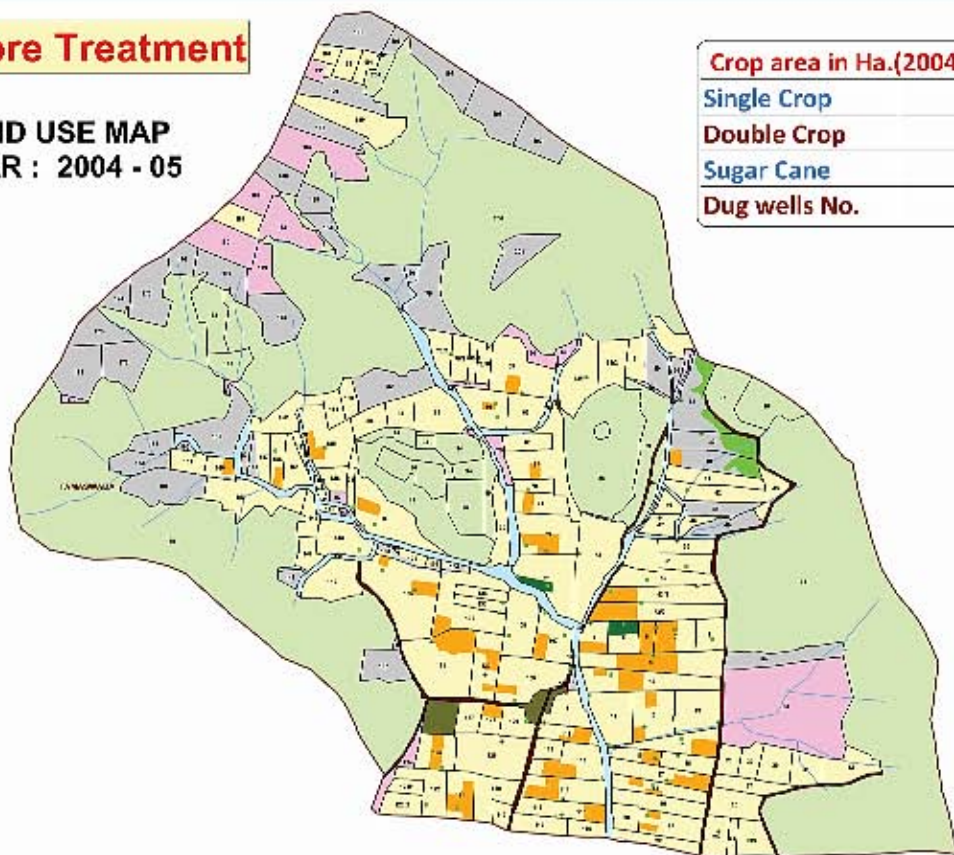
MAPS

TAMASWADA (TP) PATTERN TREATMENT (RIDGE TO VALLEY)

Village :Tamaswada, Taluka :Seloo, District :Wardha, State : Maharashtra

Before Treatment

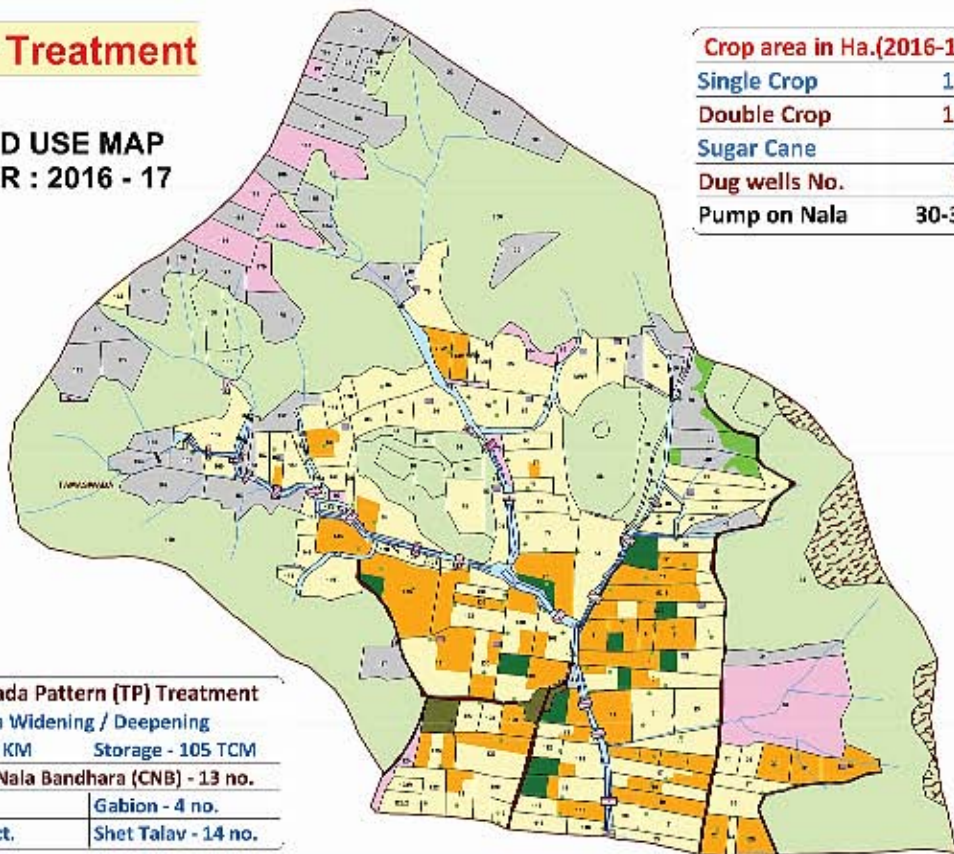
LAND USE MAP
YEAR : 2004 - 05



Crop area in Ha.(2004-05)	
Single Crop	248
Double Crop	28
Sugar Cane	2
Dug wells No.	70

After Treatment

LAND USE MAP
YEAR : 2016 - 17



Crop area in Ha.(2016-17)	
Single Crop	171
Double Crop	116
Sugar Cane	10
Dug wells No.	89
Pump on Nala	30-35

Tamaswada Pattern (TP) Treatment	
Nala Widening / Deepening	
Length - 3.5 KM	Storage - 105 TCM
Cement Nala Bandhara (CNB) - 13 no.	
UCR - 5 no.	Gabion - 4 no.
CCT - 20 Hect.	Shet Talav - 14 no.

-: TAMASWADA PATTERN (TP) NALA TREATMENT :-

WATER - SHED DEV. SEQUENCE - STATE, DIST., MEGA, MINI, MICRO

STATE DIVISION : MAHARASHTRA & ANDHRA PRADESH "GODAVARI RIVER"

SUB RIVER OF "GODAVARI" RIVER : : "PRANHIITA" RIVER

SUB RIVER OF "PRANHIITA" RIVER : : "WARDHA" RIVER

WATERSHED : WARDHA DISTRICT : 39 No. MEGA WATERSHEDS

MEGA WATERSHED NO. WRWBD - 5 OUT OF 39 Mega Water Sheds

RIVERS : WR - WARDHA ; W - WENA ; B - BOR, ; D - DHAM

WRWBD - 5 AREA 10900 HACTORS & 2 MINI WATERSHEDS

MEGA - WATERSHED - WRWBD - 5

MINI WATERSHED 2/2 TAMASWADA NALA AREA : 5200 HACTORS				
MICRO WATER SHEDS (15 NOS)				
	Sr.No.	VILLAGE GROUND	SQ.KM	HECTORS
		Uninhabited / Code		
14	1	BABAPUR	2.184	218.4
11	2	KASIMPUR	1.006	100.6
2	3	AKOLI (UN)	10.35	1035.0
12	4	BABHULGAON	1.10	110.0
8	5	DAULTPUR	1.791	179.1
10	6	GANESHPUR (UN)	1.271	127.1
4	7	GIROLI	3.376	337.6
5	8	JAMNI	5.000	500.00
9	9	KSHIRSAMUDRA	3.348	334.80
7	10	KRUSHNAPUR	1.648	165.00
3	11	MHASALA	1.475	147.50
13	12	MOHODARA (UN)	1.199	199.90
6	13	SINGODA (UN)	1.435	143.50
1	14	TAMASWADA	8.568	856.80
15	15	TIRMALPUR (UN)	0.280	28.00
		TOTAL	52.00	5200

MEGA : : WRWBD : 5

10900 Hectors

MINI : : 2/2 (Tamaswada Nala)

5200 Hectors

MICRO : : 1 (Tamsawada Village)

856 Hectors

MINI WATERSHED 1/2 WAGHIR NALA AREA : 5700 HACTORS				
MICRO WATER SHEDS (10 NOS)				
	Sr.No.	VILLAGE GROUND	SQ.KM	HECTORS
		Uninhabited / Code		
	1	BORKHEDI (UN)	4.815	481.5
	2	BRAHMANWADA(UN)	4.390	439.0
	3	MADNA	9.350	935.0
	4	MALEGAON (KALI) (UN)	0.780	78.0
	5	MALEGAON (THEKA)	7.960	796.0
	6	BORGAON GONDI (UN)	12.400	1240.0
	7	SUSUND	15.780	1578.0
	8	MADANI	2.404	240.4
	9	WADGAON	2.480	248.0
	10	AMGAON (MADNI)	5.366	536.6
		TOTAL	57.00	5700
NOTE : RIDGE TO VALLEY :- Numbers shown Red indicates the seequence of village Ground (Micro Watershed) in the direction (Tamaswada Mini Water Shed) "RIDGE TO VALLEY"				

Madhao G. Kotasthane

Civil Engineer

9765426117, 9422142781

4, Pratap Nagar, WARDHA : 27 July 2018

- 442001 (M.S.) INDIA

: VISITS :



Visit to Tamaswada Project
At Tamaswada, Tal. Wardha, Dist. Wardha
On 09/01/2014
By Shri. J. K. Kulkarni
Secretary, T. I. A. P. C. S. Wardha
Date - 09/01/2014



C. R. W. Sanstha
Visit to Tamaswada Project
Date - 09/01/2014

Visitors

- 1) Hon. Shri Nitingi Gadkar.
- 2) Hon. Collector Wardha With S.D.O. Tahsildar.
- 3) D.G.M Nabard (Amravati Division).
- 4) Hon. President, Zila Parishad Wardha.
- 5) Hon. C.E.O Zila Parishad.
- 6) Hon. Jt. Director Agriculture Nagpur.
- 7) Senior Geologist, Shri Khanapurkar, Shri. Kali.
- 8) Supp. Engineer, Executive Engineer of Irrigation Dept.
- 9) Member of Centre For Rural Welfare, Nagpur.
- 10) MLA, X. MLA.
- 11) Many Groups of Farmer's.
- 12) X - Chief Secretary (Home) Maharashtra State.
- 13) District Planning Officer.
- 14) Officers of Agriculture Department.
- 15) Press- Correspondence, Dist. Heads.
- 16) Hon. President, All India Builder's Association.
- 17) X-Regional Manager's Bank of India.
- 18) Director of Indian Society For Agriculture Professional, New Delhi.
- 19) Zilla Parishad Member's.
- 20) Member's of Bajaj Foundation.
- 21) X-Vice President Peci-Cola.
- 22) Convenor - All India Water Conservation Cell, BJP.
- 23) Shri- Chobe Geologist, Bastar, State- Chhatisagadha.
- 24) Correspondence of Times Now Channel New Delhi.
- 25) Aluminies of J.B Science College Wardha (M.S).
- 26) Channel Frontier TV 24*7 Hon. Smt Manoranjana Sing. New Delhi.
- 27) Dr. Ghuge, Director Nisarg Vidhyar Kendra. Nagpur.
- 28) Dr. Uday Nirgudkar, CEO- Zee 24 Taas.
- 29) X-MLA Rani Anita Sing, Amethi (Uttar Pradesh) X- Education Minister.
- 30) Head Correspondence Shri. Sunilji Kulkar, Tarun Bharat, Mumbai.
- 31) X-MP Delegation From Arunachal / Manipur.
- 32) Editor - Daily Jagran, Shahdol, (Madhya Pradesh)
- 33) M.D./ C.Eo Shri Dive, Puri Group.
- 34) Hon. Shri Sanjeev Prakash CEO. ANI



Rajyasabha TV
Smt. Nilu
Date - 7 / 12 / 2014

PARTICIPATION & PRESS COVERAGE

Participation :- (Water Conservation Area)

- 1) Conclave at Mumbai Conducted by Sakal Group. (April 2013)
- 2) Workshop at Sawaleshar Dist. Solapur Conducted by Lokamanya Group. (03 May 2013)
- 3) Workshop at Nagpur – By Agro Vision Nagpur. (05 May 2013)
- 4) Workshop at Paradsinga Dist. Nagpur By Agro Vision. (03 June 2013)
- 5) Seminar with Hon. MP. Shri Dhotre at Akola.
- 6) Workshop Conducted by Grahak Panchayat Nagpur. (Customer Forum) Dt. Feb 2013
- 7) Workshop at Nagpur : Global Gandhian Trust ship & Corporate Responsibility Foundation (May 2013)
- 8) Sinchan Parishad Ashti Dist. Wardha For Upper Wardha Project (Irrigation)



Appreciated and Publicity by :

- 1) Z-24 Tass 30min. Documentary Date – 25/may/2013
- 2) Times of India
- 3) Mi - Marathi
- 4) Regional & National News Paper :
Tarun Bharat, Deshonnati, Sakal, Bhaskar, Lokshahi Warta,
Punya Nagri, Sahasik, Navmat, Loksatta, Navbharat.
- 5) All Beneficiaries of Tamaswada Water Conservation Project, Many Farmers, Agri. Labour & Villagers.



TAMASWADA NALA RAIN WATER HARVESTING AND RECHARGING PROJECT (RIDGE TO VALLEY)
(AT TAMASWADA, TAH : SELU, DISTT : WARDHA - MAHARASHTRA)



Date- 14 / 04 / 2013

"STORED RAIN WATER STILL EXIST ON SURFACE "
MONTH - APRIL 2014

Water Conservation Award - Year 2015



वसंतराव नाईक

जलसंधारण पुरस्कार - २०१५

श्री. माधव गो. कोटस्थाने

प्लॉट नं. ४, प्रतापनगर

वर्धा ४४२००१, जि. वर्धा

मोबाईल ०९७६५४२६११७, ९४२२९४२७८९

वर्धा जिल्ह्यातील तामसवाडा या डोंगराळ भागातील आदिवासी गांव आहे. या ठिकाणी उगम ते संगम या संकल्पनेतून नाला पुनर्भरणाचा उपक्रम राबविण्यात आला. श्री. माधव कोटस्थाने ह्यांनी तामसवाडा प्रकल्प राबवण्यामध्ये महत्वाची भूमिका बजावली आहे. शेतकऱ्यांच्या सहभागाने २०११ पासून नाला खोलीकरण, गाळविरहितीकरण, रुंदीकरण या कामाला प्रत्यक्ष सुरुवात झाली. यामध्ये सिमेंट साठवण बांध, नऊ मातीबंध, दगडी बांध, नालारुंदीकरणाचे काम प्रत्यक्ष करण्यात आले. आज जवळपासच्या सहा गावांना २४ तास पाणीपुरवठा होत आहे. तसेच १०० एकर जमीन पुरापासून मुक्त करण्यात आली आहे. पहिल्या टप्प्यात १० हजार क्युबिक मीटर पाणीसाठा तयार झाला. सिंचनाची सोय झाल्यामुळे कापूस, सोयाबीन, तूर, चणा, गहू, भुईमूग, उस, भाजीपाला यांचे उत्पादन वाढले. या प्रकल्पावर झालेल्या खर्चाच्या तुलनेत दोन वर्षात शेतकऱ्यांचे वाढलेले उत्पन्न, वाढलेले पीकक्षेत्र व सिंचनाच्या पाण्यामुळे झालेला आर्थिक फायदा ही विशेष बाब आहे.



AWARD YEAR 2015 - By the hands of Hon. Chief Minister, Maharashtra



PARAG PHOTO 23880284



**Water Conservation Award - Year 2016 By the Hands of
Hon. Sanchetiji (MP.) Rajyasabha & Pandit Shankarprasadji Agnihotri
President Mahakaji Group of Institution Wardha
Date : 14/10/2016**



WATER CONSERVATION AWARD BY

O - POSITIVE FOUNDATION

Year - 2017



**Congratulations by Hon. Union Minister
Shri Nitinji Gadkari for Appointment on
IWMP (Steering Committee) Gov. of India**



**Festive Reception Organized by Tarun Bharat
Hon. Minister Sudhirji Mungantiwar**





8. भूजल मंथन- 3 के प्रतिभागी

जन सहभाग द्वारा जल संसाधन के क्षेत्र में बेहतर विकास एवं प्रबंधन के लिए कार्यनीतियाँ विकसित करने हेतु, विभिन्न प्रतिनिधियों के बीच व्यापक विचार विमर्श को केन्द्र बिन्दु मानकर 'भूजल मंथन -3' में राज्य सरकारों के वरिष्ठ अधिकारी, जल क्षेत्र के विशेषज्ञों, गैर सरकारी संगठनों के प्रतिनिधियों, कॉर्पोरेट जगत, पानी उपयोगकर्ता संघटनों एवं विभिन्न संस्थाओं के सदस्यों ने भाग लिया। भूजल मंथन के दौरान विभिन्न मुद्दों एवं समस्याओं पर चर्चा की गयी जिनके परिणामस्वरूप नए नए दृष्टिकोण सामने आए और जिससे जन सहभागिता के दृष्टिकोण को बल प्राप्त हुआ।



9. व्याख्यानमाला

व्याख्यानों द्वारा अपना ज्ञानवर्धन किए जाने हेतु देश के विभिन्न भागों विशेषतः पानी की कमी वाले 14 राज्यों में से लगभग 2400 प्रतिनिधियों ने हिस्सा लिया जिसमें सरपंच, पंचायत समिती के सदस्यों व अन्य स्वयंसेवी संस्थाओं का भी समावेश है। भूजल मंथन -3 में आयोजित तीन तकनीकी सत्रों के दौरान विशेषज्ञों द्वारा विभिन्न विषयों पर प्रस्तुतीकरण किये गये।

भूजल संवर्धन एवं पुनर्भरण हेतु तामसवाड़ा नाला पैटर्न

श्री माधवराव कोटस्थाने, पूर्ति सिंचन समृद्धी कल्याणकारी संस्था



बारिश का पानी जल का एकमात्र प्राकृतिक स्रोत है। इसीलिए पानी बचाने के साथ साथ भूजल का संवर्धन करना भी आज की आवश्यकता है। तामसवाड़ा पैटर्न की वजह से यह विचार प्रत्यक्ष साकार हुआ है। बारिश के पानी का संवर्धन, संचयन एवं संरक्षण के प्रभावी कार्यों की वजह से ही नागपुर एवं वर्धा जिलों के बड़े क्षेत्र का कायापलट हुआ है। इस प्रकल्प की देशभर में चर्चा है। तामसवाड़ा, यह एक सूखाग्रस्त पहाड़ी क्षेत्र है। यहाँ बारिश के पानी को रोकने एवं संचयन की सुविधायें रखरखाव के अभाव में मृतप्राय थीं। मगर सन् 2012 में इस क्षेत्र में पूर्ति सिंचन संस्था द्वारा प्रभावी योजनाएँ आरंभ की गयीं। मौजूदा पुनर्भरण संरचनाओं की मरम्मत की गयी, मिट्टी से भरे हुये नालों को गहरा एवं चौड़ा किया गया, पाँच अतिरिक्त चेक डैम, पाँच गेबियन बंधारों का निर्माण किया गया। इस कार्य को भारी जनसहयोग मिला। जिसके कारण वर्धा के तामसवाड़ा, आकोली, जामनी क्षीरसमुद्र, बाभुलगा और नागपुर जिले के राजनी, गोंडि (दिगरस), मुकनी-अंबोला, खामली से लांडगी नदी तक का एक बड़ा क्षेत्र सिंचाई के लाभक्षेत्र में लाया जा सका। जिससे क्षेत्र की कृषि उत्पादकता में अभूतपूर्व वृद्धि दर्ज की गयी। यह परिवर्तनरूपी यश “तामसवाड़ा पैटर्न” के नाम से अधोरेखांकित किया गया है, जो प्रेरणादायी है।

इस प्रकल्प के कारण क्षेत्र में 23 करोड़ लीटर जल संचयन की क्षमता बढ़ी व किसान खरीफ एवं रबी फसलों के साथ गर्मी के मौसम में भी फसल लेने में सक्षम हो गए हैं। 190 हेक्टर वाला खरीफ क्षेत्र अब 305 हेक्टर तक बढ़ गया एवं रबी का क्षेत्र शून्य से 16 हेक्टर तक पहुँच गया है। गन्ने की पैदावार 4 से 16 हेक्टर तक, सब्जी शून्य से 16 हेक्टर तक एवं फलों की खेती शून्य से 16 हेक्टर तक पहुँच गयी है। यहाँ जानवरों की संख्या बढ़ जाने की वजह से दूध का उत्पादन 180 लीटर से 550 लीटर तक बढ़ गया है। अंततः इस प्रकल्प की उपलब्धि यह है कि यहाँ के परिवारों का मासिक आय रु. 4900 से बढ़कर 17217 तक पहुँच गयी है। उनका यह प्रयास गाँव के आर्थिक विकास में भी सहायक सिद्ध हुआ है।

Publication of Awareness Document for Agro Vision 2016 - Nagpur On the Occasion of Diwali Milan



Visit of Shri. Kaustubh Amte Anandwan, Warora, Dist. Chandrapur (Maharashtra)

Date: 26-07/2018



Date: 26-07/2018



PURTI SINCHAN SAMRUDDHI KALYANKARI SANSTHA (NGO)



: Work For :

Water Supply Security Through Artificial Recharge.

II Rain Water is the only source II

II Save it - it will save us II

: For Strengthening :

Reserve Bank of most valuable Ground Water Storage

: Most Required For :

About 80 % Rain fed area out of total Available area

: Salient Features :

No Land Acquisition, No compensation, No Rehabilitation

No Displacement, No Migration.

: Ultimately :

Drought Free As well as Flood free situation

By preservation and conservation of Natural & Traditional Water Bodies

: Direction of Work :

RIDGE - TO - VALLEY

: Concept :

Complete Development of each & every Micro - Watershed

: Through :

Effective Run off Rain water Management

: According To :

Hydro - Geology - Topography - Geography & Civil Engineering

Ample Water At Ridge also and no flood towards - Valley



Ample Water due to Ground Water Recharge.
Recharged well at (Ridge) High Elevation
Location.



No Flood as excess Water goes to next
Compartment Gradually to fill Compartment
towards Valley portion.

“WATER”

Do not Maintain ego that I am the only worker. Be positive to observe and realize the work done by others. Mind well many others are performing in the are of conservation.

Think about what to do than what not to do.
Criticism is very easy but to present solution is very Difficult.

so

First priority to do field work up to Success / Result than to give Suggestions.

: Prefer :

Suggestions / Solutions than objections.

: Be:

Competent / Able than Successful

: Do not work for :

Money - Publicity but for self Satisfaction.

Regarding work to do or done.

: Avoid :

Resistance to successful work done by others

: Be :

Be positive-Get Positive - Give Positive

: All the Way :

We all are dedicated members of Team “Water is Life”

: To Perform :

Water for all- and for all purposes.

No need of appreciation, Qualification, financial capacity but need of dedication, strong will to do work in truly attitude, Honesty, Transparency and confidence while working for concept “ Water is Life”

: Mind Well :

After all it is our liability to preserve & conserve Traditional & Natural Water bodies for our Survival.

Let us adopt way to contribute to Water Conservation from today.



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Civil Engineer

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