



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

मा. ना. श्री. दितीन गडकरी

CONCEPT :- WATER IS LIFE



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RAIN WATER IS THE ONLY SOURCE, SAVE IT, IT WILL SAVE US

TAMASWADA NALA RAIN WATER HARVESTING AND RECHARGING PROJECT (RIDGE TO VALLEY)

(AT TAMASWADA, TAH : SELU, DISTT : WARDHA - MAHARASHTRA)

पावसाच्या पाण्याचे संवर्धन साठवण व पुनर्भरण



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“RAIN WATER STORAGE AT RIDGE PORTION OF NALA”

Previously it was used to be dry in October

“PURTI UCR BANDHARA”



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**



Tamaswada Pattern (TP) Treatments

Repair, widening and deepening of CNB 6

Repair, widening and deepening of Storage bandhara 3

Repair, widening and deepening of UCR Plugs 6



Construction of New structure

Gabion Structure 5

Storage Bandhara 5



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 dung 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.

Activities under TP Nala Treatment

- Inspection and demarcation of feasible sites on village drainage map using GIS Platform
- Assessment and planning of the work to be taken up



- **Repair of existing structure**



Activities under TP Nala Treatment



- Plantation on both side of Nala to avoid soil erosion
- Formation of local Water User Group(WUG)
- Awareness and capacity building of end users / stake holders for maintenance of ARS & judicious use of available resources by adopting best water use efficiency measures and change in cropping pattern



Impact of T P treatment in Socio-Economic Development



Shravan Waghmare



Shravan Waghmare



माधव कोटस्थाने के संकल्पना से साकार हुआ अभिनव प्रयोग

तामसबाड़ा नाला पुनर्भरण के कारण डाई लक्ष क्यूबिक मीटर जलभरण गर्मी के दिनों में तामसबाड़ा प्रकल्प में भरा हुआ पानी

बारीश का पानी नदी-नालो से लीया बह जाता है। उन नदी-नालोपर सरकारी संजगोदर बंधारो का निर्माण भी किया जाता है। लेकिन देखा गया है की यह पानी नदी में कम हो पहुँचता है, और पानी बचाव कार्य में लगाये गये बिल का प्रवाह सीपे कंस्ट्रक्शन तक पहुँच जाता है। इस कारण बारीश के दिनों में भी जनेक बंधारे खुले ही देखे जा सकते है। लेकिन माधव कोटस्थाने की संकल्पना से साकार हुए तामसबाड़ा प्रकल्प में गर्मी के दिनों में भी डाई लक्ष क्यूबिक मीटर जलमात्रा होने से सरकारी कार्यशीली को सुहोतोड जचाम मिल गया है।

बारीश के पानी का योग्य नियोजन न होने के कारण लाखो लिटर पानी नदी या नालो के बहाव से बह जाता है। बारीश खाम होते ही खेती तथा बिने के पानी की कमतरता निर्माण हो जाती है। दलदल की बजह से नदी-नाले बारीश छान्य होते ही खुल जाते है। कुछ नदी-नालो का तो अस्तित्वही खतरे में है। पधार् जिले के सेल्सु तालुक के आदिवासीबहुल तामसबाड़ा नाले के कारण, बारीश के दिनों में पूर के कारण हजारो हेक्टर खेती बह जाती थी। गर्मी में पानी मरने के कारण बरते की भी मुकसान पहुँचता था। बारीश के खम होने के बाद पानी के कमी के कारण जलबरोसहित लोगो को स्वजांतरण करना पड़ता था। इस स्थिती को रोकने के लिए 'उगम से संगम' इस उपक्रम के द्वारा नालापुनर्भरण का उपक्रम

कार्यनिष्ठ किया गया। इस उपक्रम के तहत पूर्वीसिंचन संस्थासहित ग्रामवासियो की सहयता से तामसबाड़ा नाले की दलदलरहित, रूंदीकरण तथा बिभिन्न प्रकार के मिट्टी के बांध, पाथर, गंजियन, सिमेंट बांधो का निर्माण जलसंधारण विशेष निधी के तहत तथा स्थानिक विकास योजनोके द्वारा किया गया। इस कार्य में लोकप्रतिनिधीयोंने सहकार्य देने से धामनदी तक १२ किमी लंबे गहरे नाले का निर्माण पूरा किया गया। इसमें आठ किमी तक दलदल निकालना तथा गहरीकरण तथा रूंदीकरण का कार्य किया गया। उगम से संगम इस तामसानुसार तामसबाड़ा नाले को ३५० मीटर लंबाई तक २५ भागों में विभाजित करके, हर हिस्से में बारीश का पानी का भंडारण किया गया। फिरपू पेटर्न के तहत निर्मित इस प्रकल्प में पानी संध गगीसे बहना, हरेक हिस्से में भंडारण करना संभव हो गया है। इस कारण संगमवाले हिररो में जलसाठा तेव्यार होता है और पुनर्भरण होता है। इस उपक्रम से पिछले दो बारीश के मौसम में ७० हजार क्यूबिक मीटर पानीभंडारण हुआ है, तथा ५ लक्ष क्यूबिक मीटर पानी भूगर्भमें फिर से स्थापित हो गया। इस कारण ६ गर्मो में ४५-५० कुओमें ५ मीटर तक जलभंडारण में चूडी हुई है।

'गॉय का पानी गाँव को' इस संकल्पना के तहत तामसबाड़ा नाला पुनर्भरण प्रकल्प के कारण पीने के पानी के लिए जिन ६ गाँवो को गटकना पड़ता था, उन ६ गाँवो में आज २४ घंटे पानी उपलब्ध हो रहा है। ग्रामीण पानीपुरवठा योजना के तहत निर्माण हुये कुए में आज ४५ फूट पानी उपलब्ध है। उसी के साथ परिसर के १०० एकड जमीन पुरमुक्त हो गयी है। प्रकल्प अभियंता, जलतन्त्र तथा

३१ | २६ मई २०१५



दैनिक प्रार 22 मई 2015

तामसबाड़ा नाला बना जीवनदायी

किसान ले रहे 3 फसलें

खर्वा (का), पूर्वी सिंचन संस्था को पलत पर जलबरोसो के कारण से 'उगम से संगम तक' संकल्पना के तहत लेव् चलोले के तामसबाड़ा नाले का पुनर्भरण उपक्रम पूर्ण किया गया. इस उपक्रम के कारण इस पोषण गर्मो में भी नाले में डाई लक्ष क्यूबिक मीटर ले पानी हो, नाले किरोर बने पोषण के कुओ व अन्धा बमाल बन हुवा है. नाल ही किरोर नाले के पानी से तीन फसलें ले रहे हैं. पान अब खेज के लेवो के लिए खेतपुनर्भरण बन गवा है.

8 किमी लंबाई

तामसबाड़ा नाले में इस नाले का उगम है. यह नाला 8 किमी तक पूर्वीसिंचन होकर धाम नदी में जाकर मिलता है. इस संलग्न प्रवाह क्षेत्र में नाले का खरुडकरण व रूंदीकरण कार्य किया गया. नाले के 350 मीटर के हिस्सा में 25 विभाग बमाल किरोर पेटर्न से पानी लेवा गया. इस उपक्रम से बारीश के 2 मौसम में 70,000 क्यूबिक मीटर पानी जमा हुवा. अब करीब डाई लक्ष क्यूबिक मीटर पानी जमा है. इसका लक्ष्य नाले किरोर के इन 6 पोषण के 50 कुओ का बमाल 5 मीटर तक बहा है. साथ ही इन 6 पोषण के लेवो को 24 घंटे पानी ले मिलेगी रहा है. करीब 100 एकड भूमि बहने के प्रभाव से मुक्त हुई और किसान 3 फसल ले रहे हैं.

मिली सिंचाई सुविधा

8 किमी लंबाई का तामसबाड़ा नाले के बमाल 22 विभाग होना 100 के बमाल से यह 10 से 45 विभाग कुओ या सिंचाई के माध्यम से पुनरो व लेवो को बंधारो कर रहे हैं. इस नाले के कारण डाई लक्ष क्यूबिक मीटर जल उपलब्ध हुवा है. पानी के अभाव में पोषण तक किरोर के क्षेत्र में खेतीकरेले बहान तथा खेतीकरेले की पालत को पोषण बंधारो से पानी किरोर में उपकरण में क्यूडो हुई है. साथ ही 3 एकड में आवाजे की खेती में 7 लक्ष लक्ष तक उपकरण बमाल संभव हो गया.

अन्य क्षेत्र के लोग ले रहे प्रेरणा

तामसबाड़ा नाला 'उगम से संगम तक' उपक्रम की बला कम दूरी क्षेत्रों में सुवो बनेगो, बरुडीरिरोके के संधरण से पूर्ण किया गया इस उपक्रम को देखने व कैमरा हाव के बारीश क्षेत्र के विशेष क्षेत्रों के लोग आ रहे हैं और प्रेरणा ले रहे हैं. साथ ही क्षेत्र के किसानों को खेती का पुनर्भरण भी बर रहे है.

रास्ता भी बनाया गया

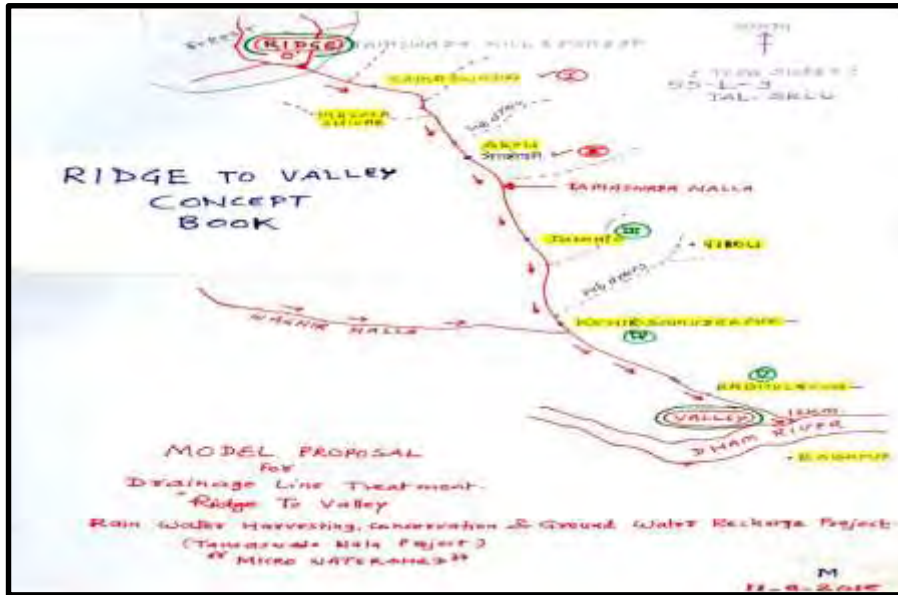
बंदोप निर्माण करे पुनरोड बमालन संकल्पना प्रकल्प के अंतर्गत जलबरोसो के बमाल में 10 हजार क्यूबिक मीटर पानी जमा हुआ और करी 3 मीटर तक 1 विभाग क्यूबिक मीटर पानी जमा हुवा है. 12 किमी तक इस निर्माणकार्य के लिए स्थानिक पुनरोडिक व निर्माण बमाल काउंसिल तथा पूर्वी सिंचन समुह काउंसिलको सहकार्य का यह प्रकल्प पूर्ण करने के लिए कारण है. बंदोप पूरा उपकरण बने मिलेला बमालो का प्रकल्प के लेवो विशेष पुनरोड निर्माण है. कर्ना के पुनरोड बमालन के बमाल होने किरोर पर किरोरों के लिए प्रकल्प को बन गया है.



GO - RIDGE TO VALLEY

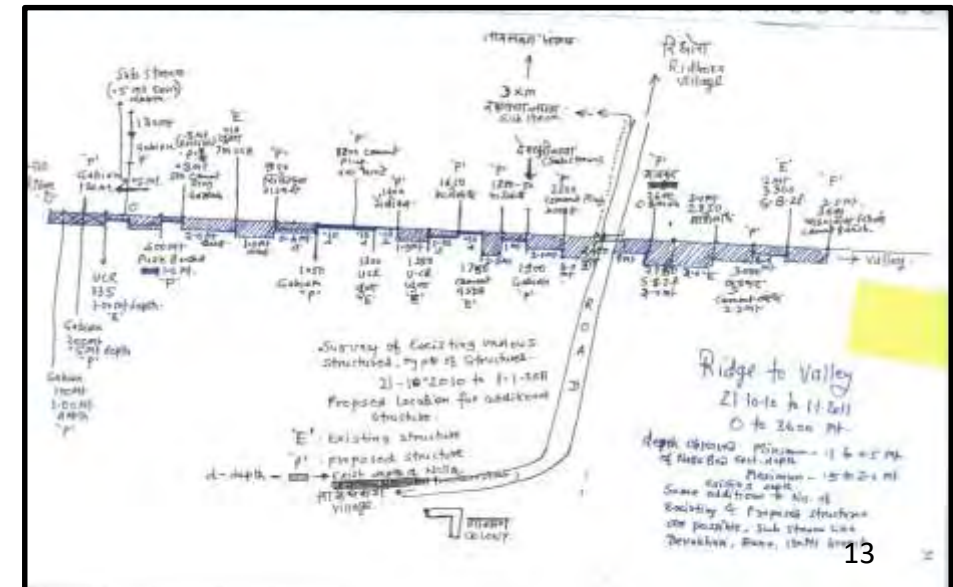
TOPO GRAPHY

(RIDGE TO VALLEY)



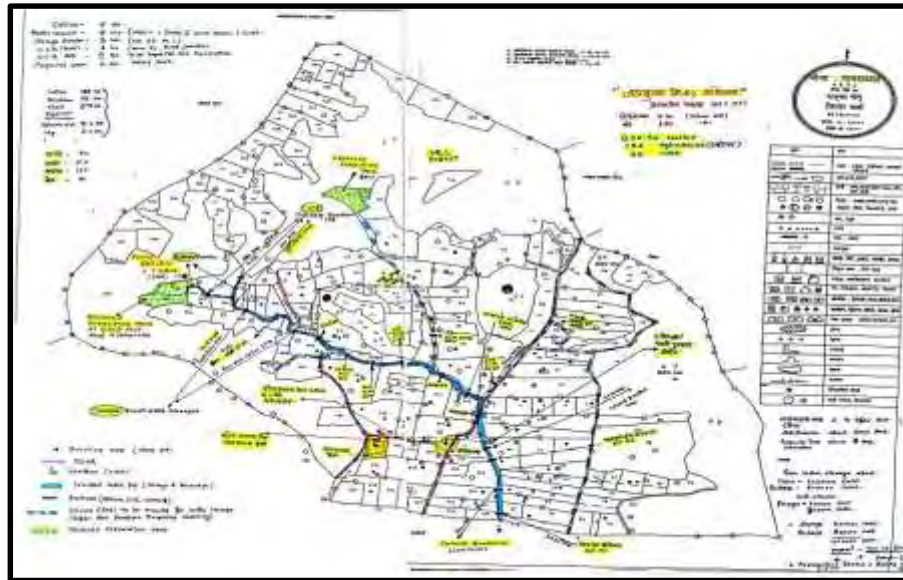
TRAVERCE SURVEY

ALINGMENT SURVEY



VILLAGE MAP

(DEMARCATED)



DRAINAGE LINE MAP

(WITH VILLAGE – TAHSIL – FOREST BOUNDRIES)



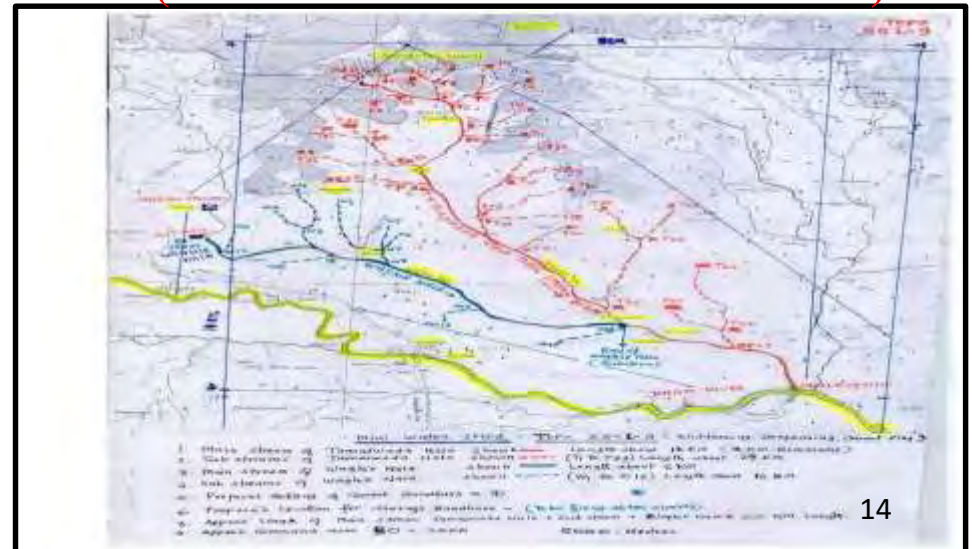
DRAINAGE ANALYSIS MAP

(For Micro Watershed)



MICRO WATERSHED MAP

(Main Stream – Sub Stream)



JOINT MAP OF VILLAGES

(Villages Ridge to Valley)



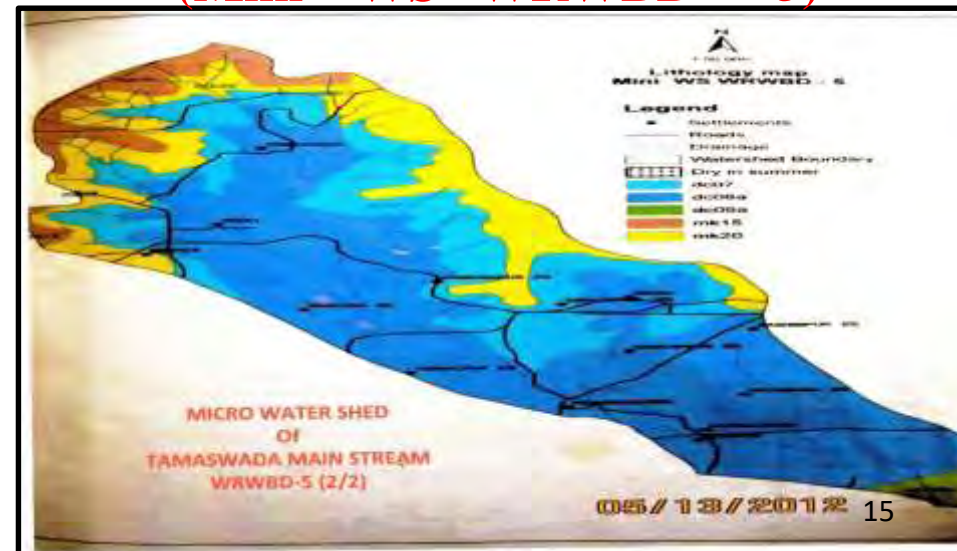
MAP OF MICRO WATERSHED



MAP CLASSIFICATION OF MICRO - WATERSHED



LITHOLOGY MAP (Mini WS WRWBD – 5)

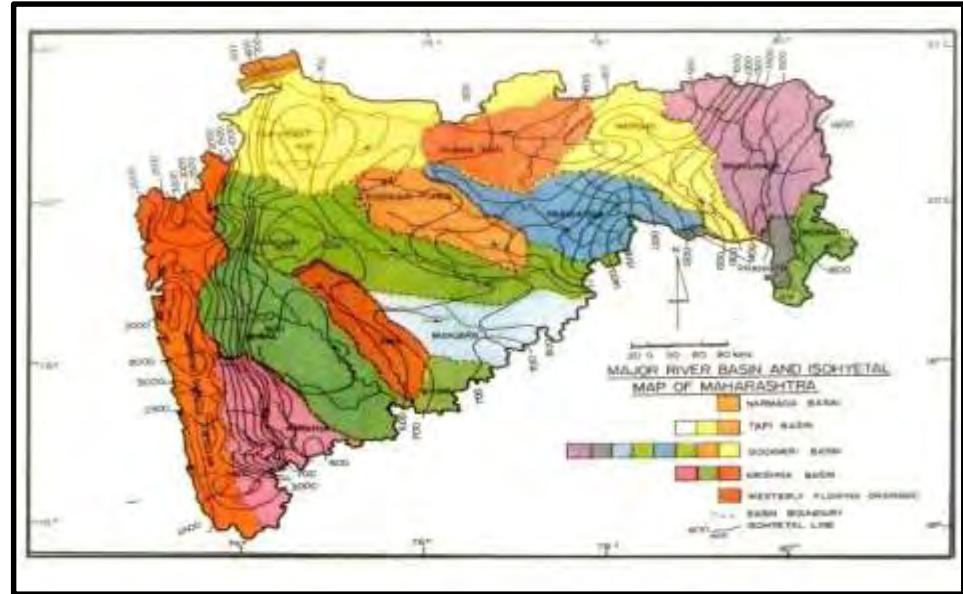


DISTRICT MAP



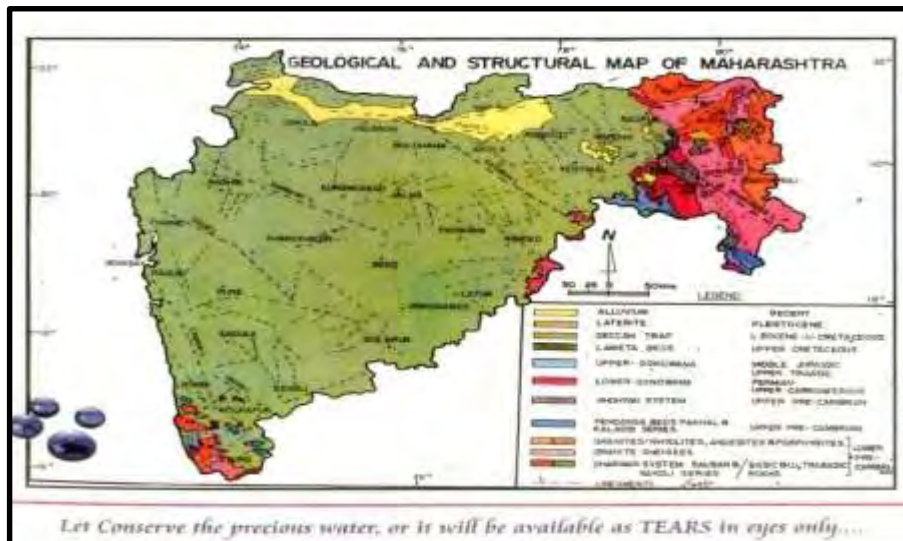
MAP OF RIVER BASIN

(State - Maharashtra)



MAP OF GEOLOGY

(State - Maharashtra)



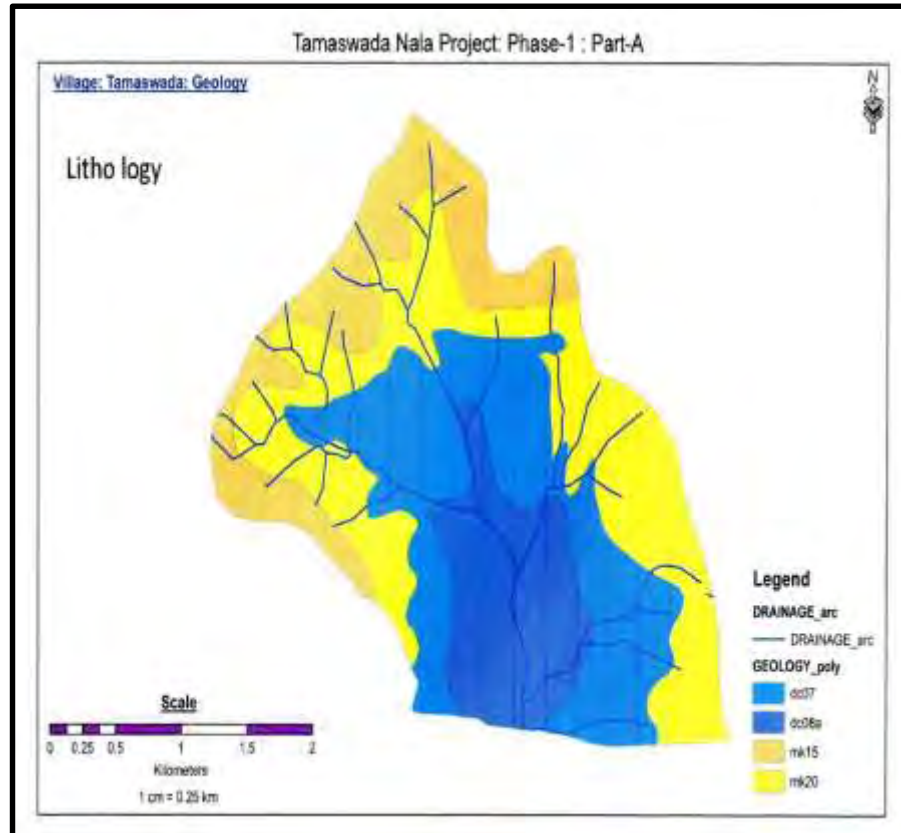
Let Conserve the precious water, or It will be available as TEARS in eyes only....

MAP OF GEOLOGY

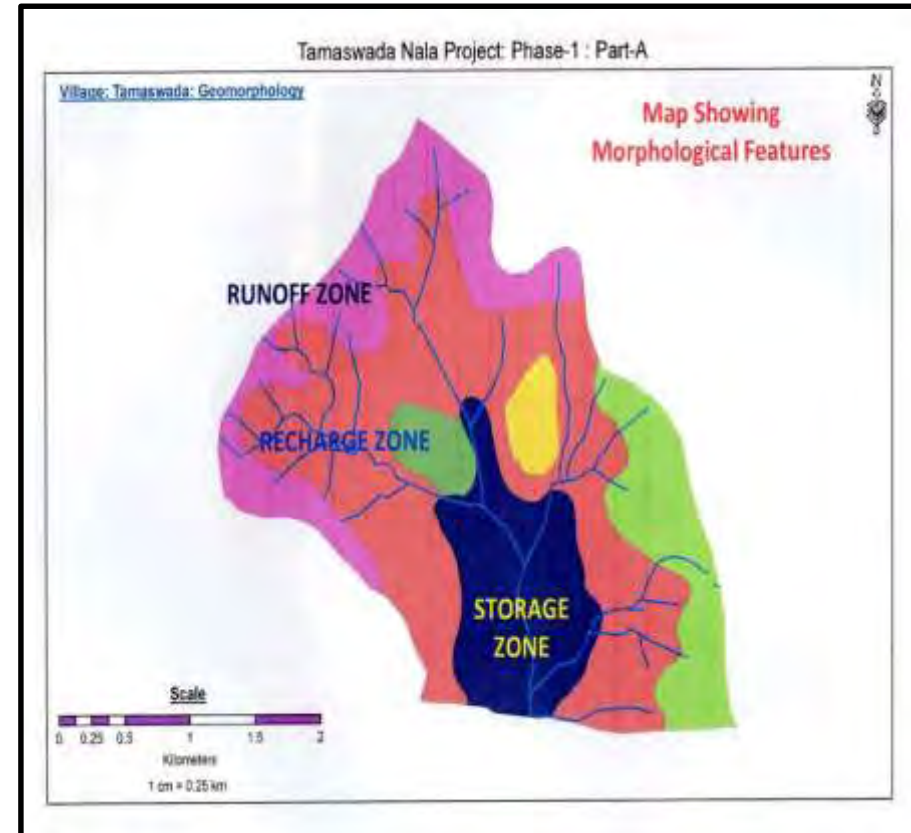
(Distt. Wardha)



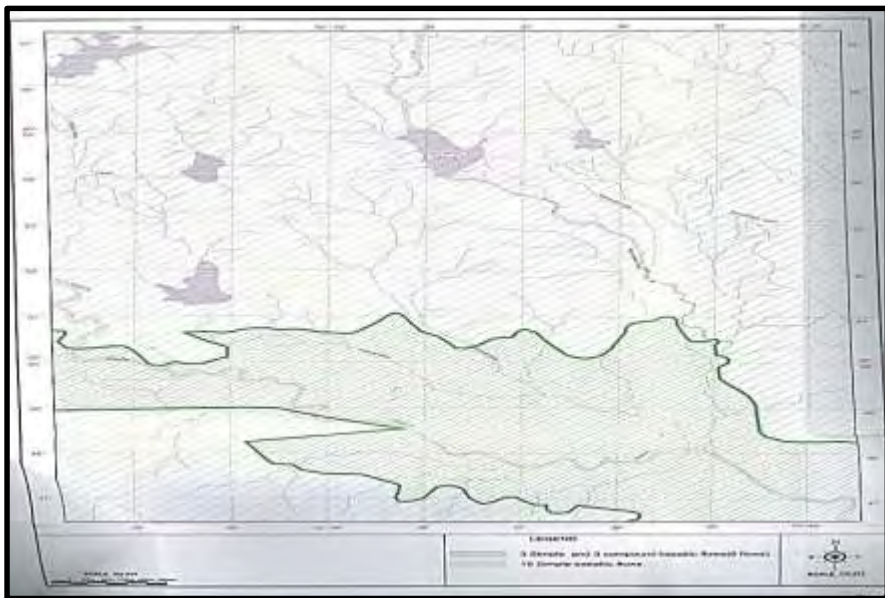
MAP – LITHO LOGY (Drainage)



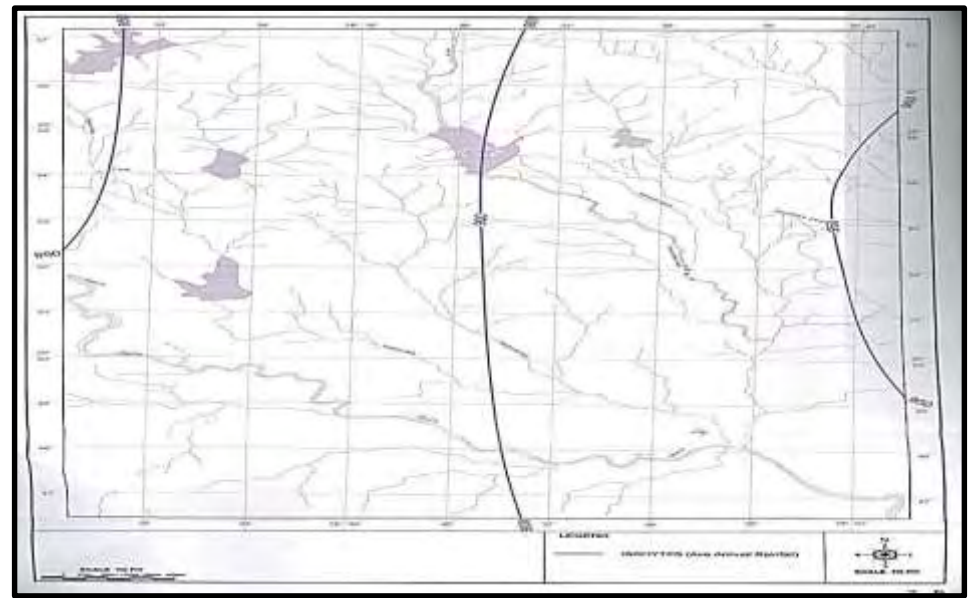
MAP – MORPHOLOGY ('3' Zone)



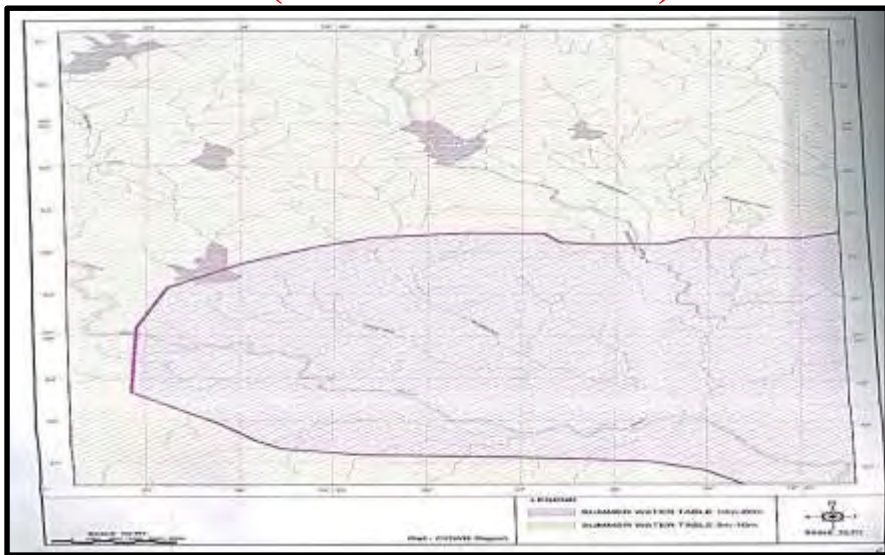
: MAP OF GEOLOGICAL FLOWS :
 (SIMPLE and COMPOUND FLOWS)



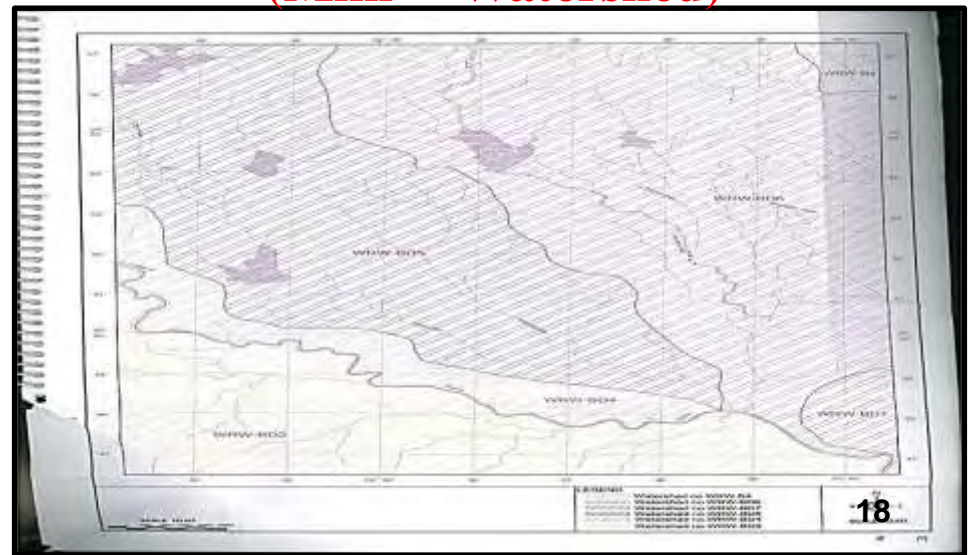
MAP - ISOHYTES
 (Average Annual Rain Fall)



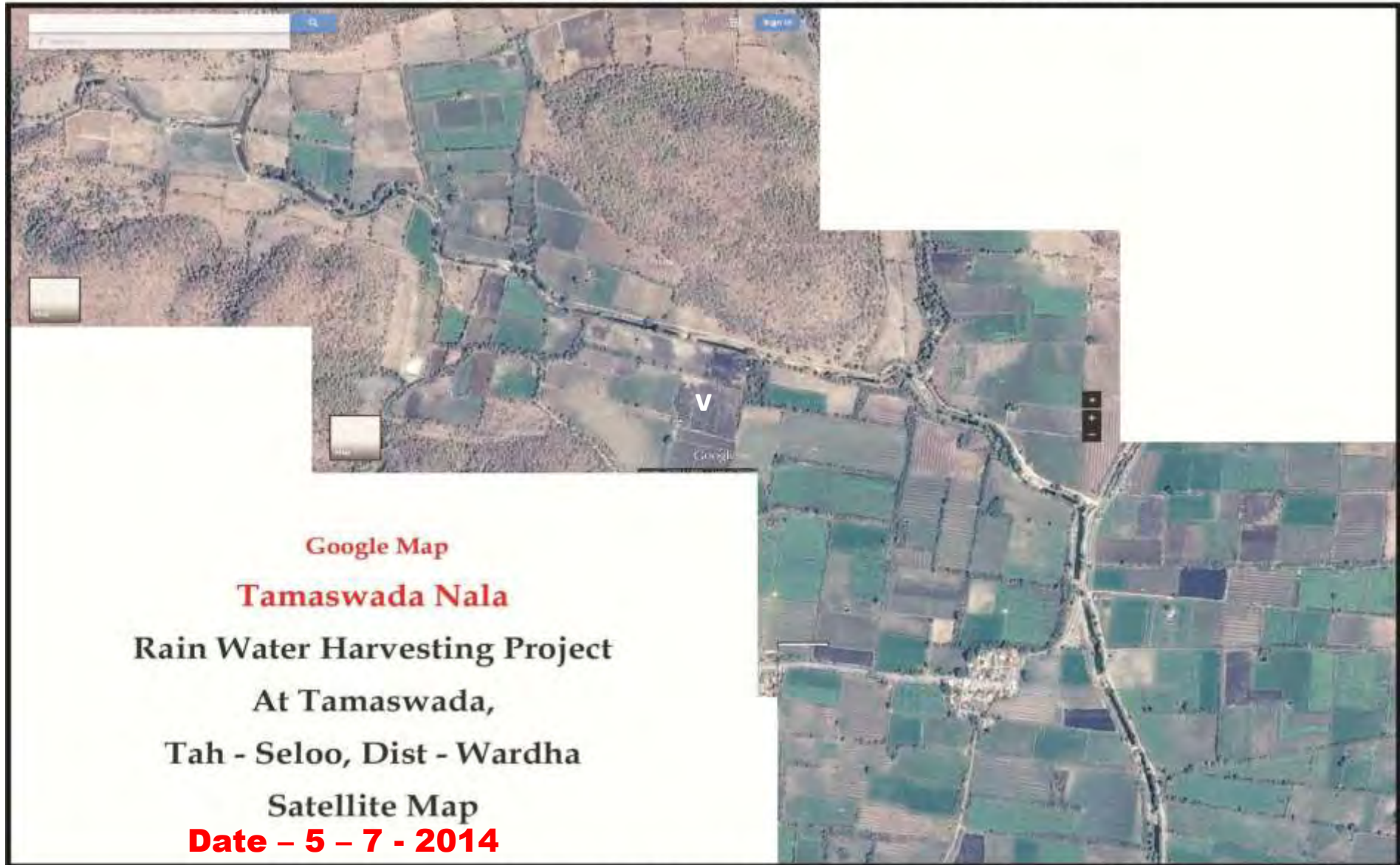
MAP - WATER TABLE
 (Month - MAY)



WATERSHED BOUNDARY
 (Mini Watershed)



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



Google Map

Tamaswada Nala

Rain Water Harvesting Project

At Tamaswada,

Tah - Seloo, Dist - Wardha

Satellite Map

Date - 5 - 7 - 2014

BEFORE

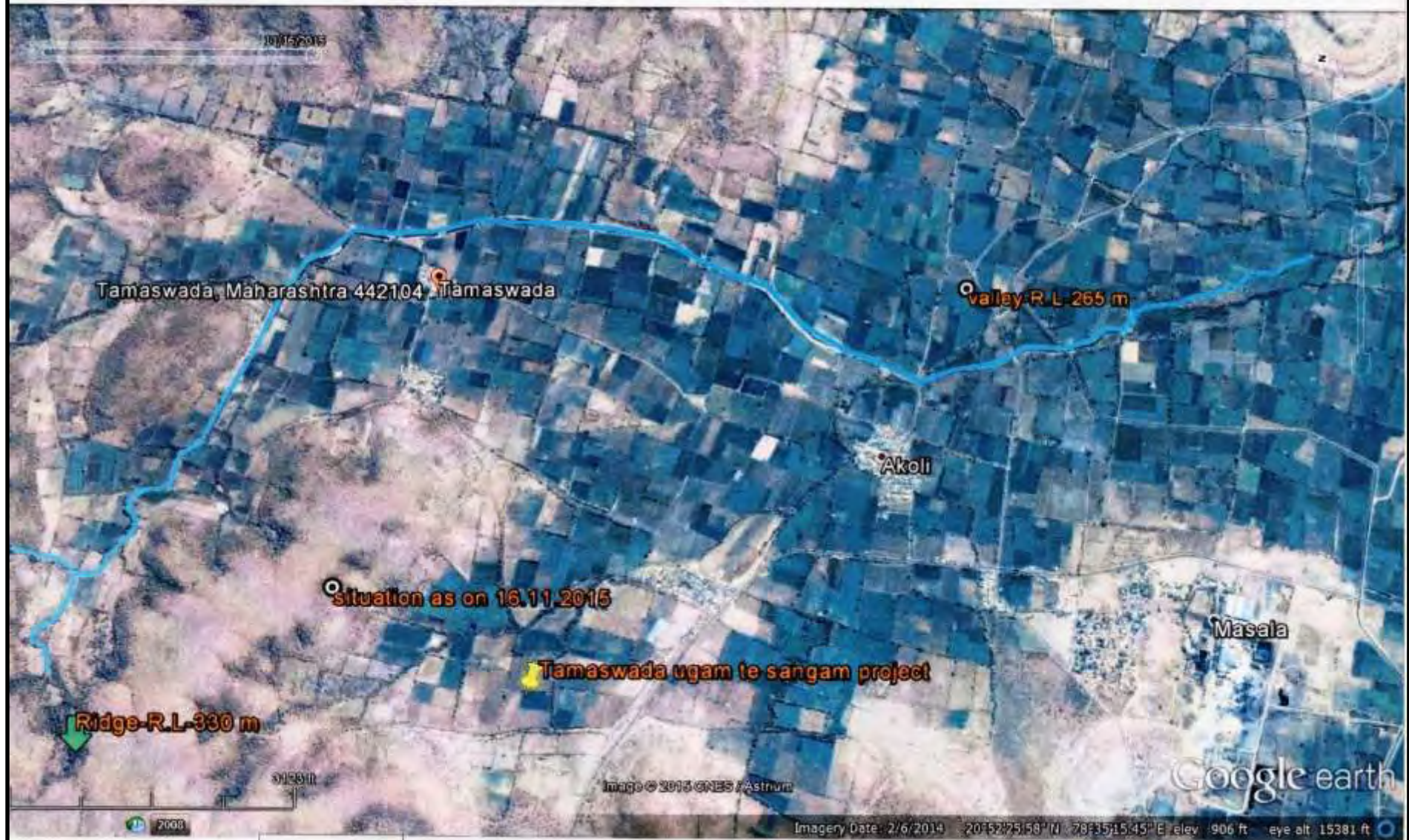
DRAINAGE LINE TREATMENT (RIDGE TO VALLEY) NIETHER BED OF SOURCE SEEN NOR RAIN WATER STORAGE.



BEFORE - POOR RAIN WATER STORAGE CAPACITY

AFTER

DRAINAGE LINE TREATMENT (RIDGE TO VALLEY) RAIN WATER STORAGE AS WELL AS IMPROVED CROPPING AREA CAN BE SEEN CLEARLY. INCREASED GROUND WATER TABLE



AFTER – HIGHLY IMPROVED RAIN WATER STORAGE CAPACITY

1

BEFORE

CONTRACTED, SHALLOW & SILTED NALLA BED. NO RAIN WATER STORAGE, CROPS.



BEFORE - POOR RAIN WATER STORAGE CAPACITY

2

AFTER

WIDE, DEEP NALLA BED WITH BIG WATER STORAGE AND IMPROVED CROPPING SITUATION CAN BE SEEN CLEARLY.



AFTER

HIGHLY IMPROVED RAIN WATER STORAGE CAPACITY

3

BEFORE

NO SIGN OF NALLA BED AND RAIN WATER, CROPS AT RIDGE PORTION (HILLY AREA)



BEFORE

POOR RAIN WATER STORAGE CAPACITY



AFTER

WATER STORAGE AT RIDGE PORTION CAN BE SEEN CLEARLY. START OF AGRO ACTIVITY, GREENERY CAN BE SEEN AT RIDGE.



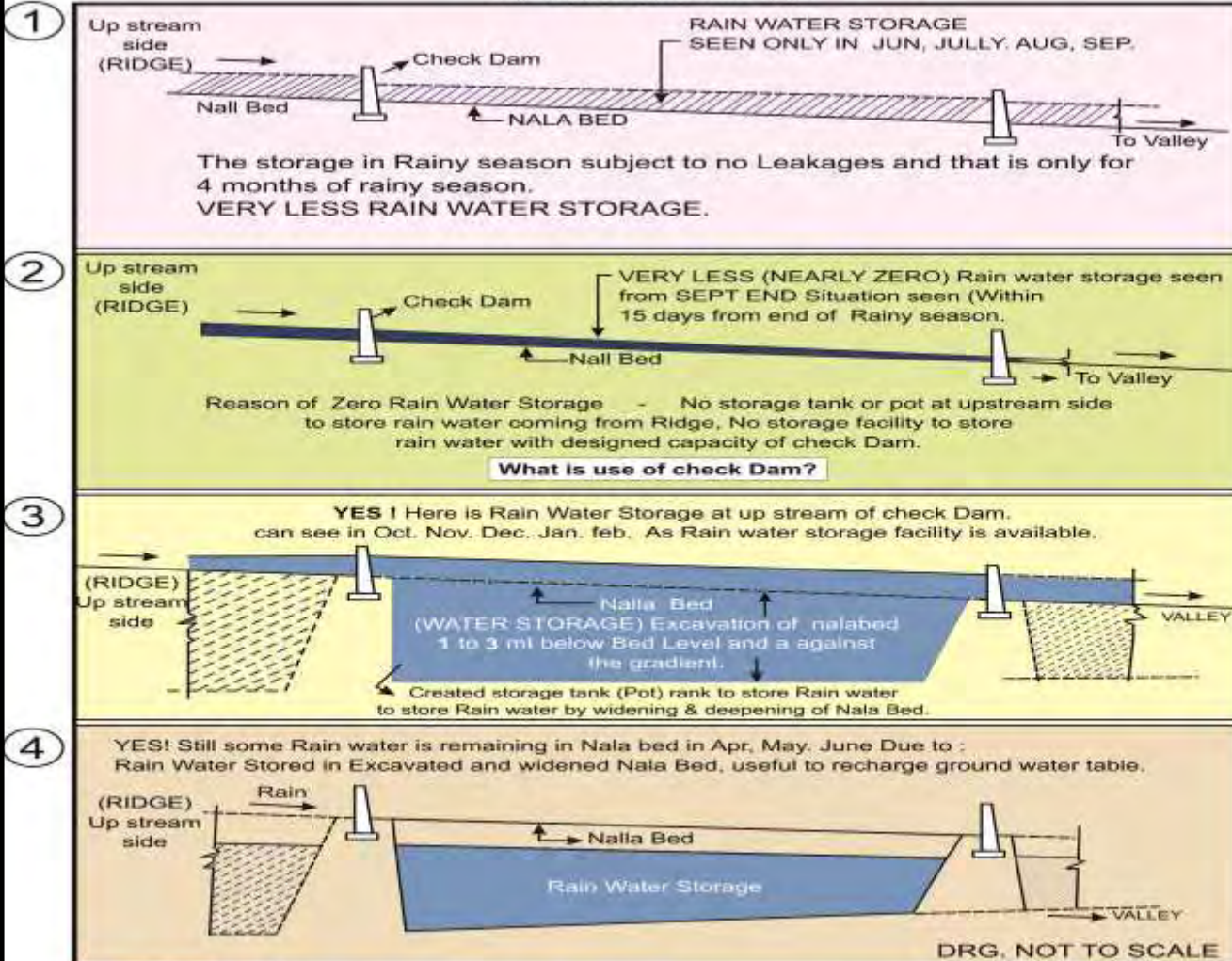
AFTER

HIGHLY IMPROVED RAIN WATER STORAGE CAPACITY

: RAIN WATER HARVESTING, CONSERVATION & RECHARGING :

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

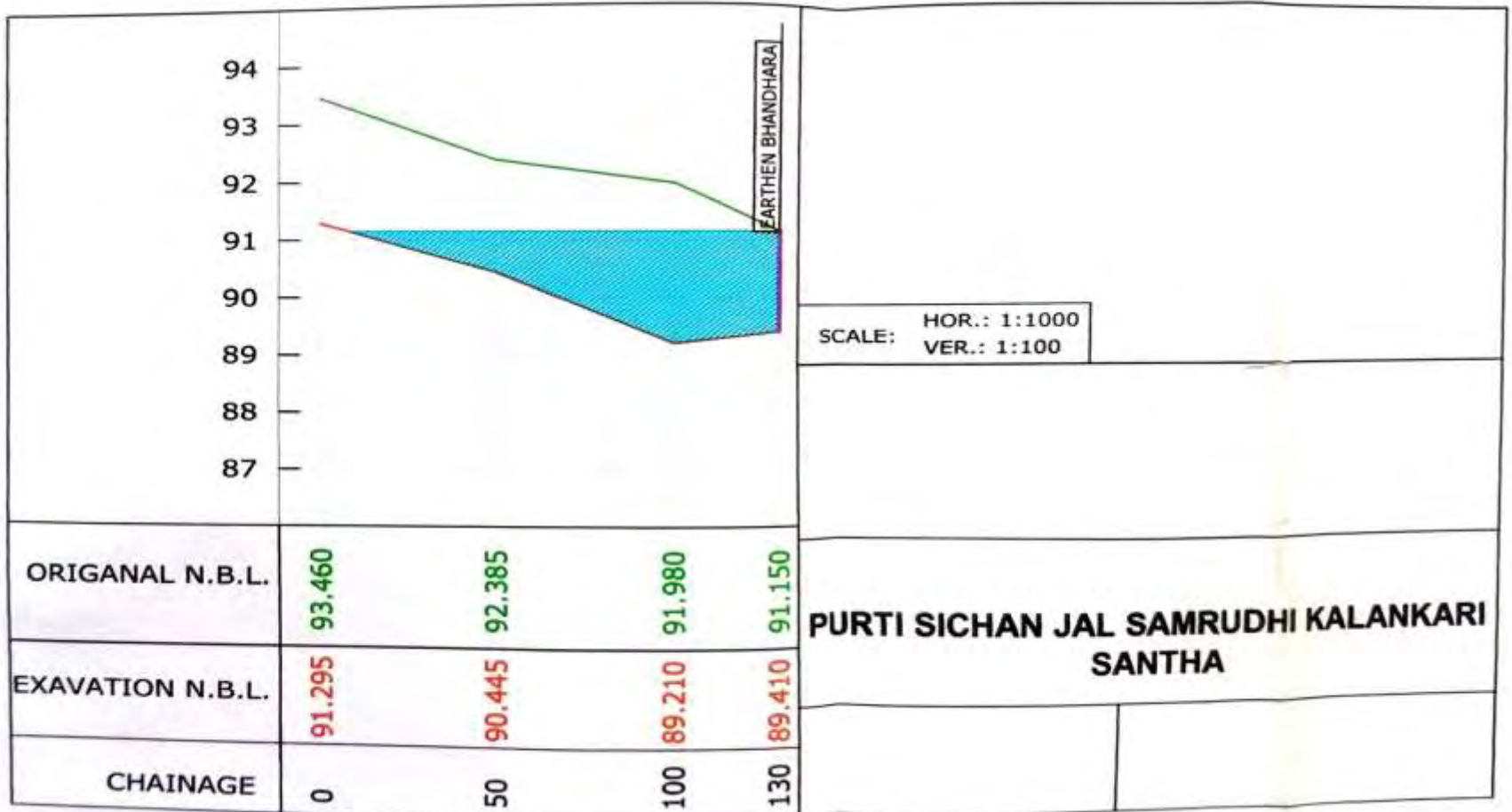


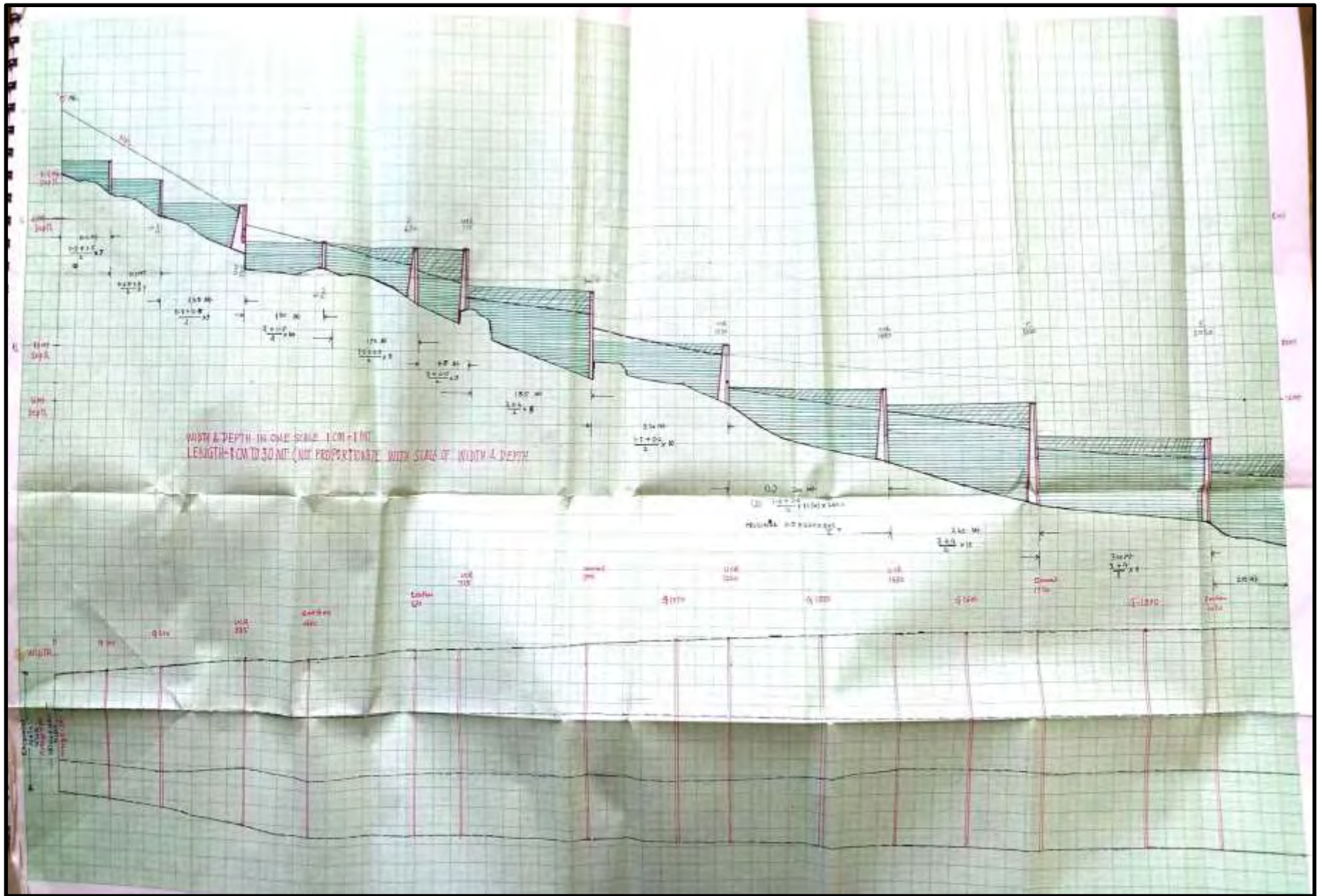
TO STORE MORE & MORE RAIN WATER as Rain Water is only Source.
AVOID POSITION SHOWN IN 1 and 2
ADOPT THE TREATMENT SHOWN IN 3 AND 4

Madhao Govind Kotasthane, Civil Engineer, Mob: 09765426117. 09422142781
Plot No.4 Pratap Nagar, Wardha - 442001 (M.S) E-mail. mkotasthanem@gmail.com

PTO →

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT







Date - 27 - 10 - 2017

Date - 27 / 10 / 2017



Date - 27 - 10 - 2017



Date - 27 - 10 - 2017



Date - 27 - 10 - 2017



Date - 27 - 10 - 2017





Date - 27 - 10 - 2017

Date - 27 - 10 - 2017



Date - 27 - 10 - 2017



Date - 27 - 10 - 2017



Date - 27 / 10 / 2017



PROGRESS REPORT AND VISIBLE RESULTS

From

Tamasawada Nala – Rain Water Harvesting & Conservation Project (Shirpur Pattern)

10 Oct 2010 to 15th June 2013
(First stage o to 3.5 km)

Work of Survey & site selection - 10 Oct 2010 to 4 April 2011
Execution of work - 4 April 2011 to Oct 2012

Result as on 15 June 2013.

Rise in Ground water table. Crops, facilities due to project.



Project concept based on Shirpur pattern. Initiative, Awareness work, survey.
Persuasion of work, supervision done by
Purti Sinchan Sammrudhhi Kalyankari Sanstha (NGO)

P.V. Janddar

Project Head
C/o P.V. Janddar Shri. Manibabu
Near Ramdar Primary School, Mahab. Nagpur - 440052 (MS), India
Mob. No. 9922926771 E-mail : pvjanddar@gmail.com

M.G.Kotasthane

Civil Engineer
(Project Engineer)
Plot No. 4, Pratap Nagar, Wardha-442 001 (MS), India. Ph: +91-7182-240472, 250687.
Mob.No. 9165426117, 9422142781, E-mail : mkkotasthane@gmail.com



web: www.waterislife.in

PROGRESS REPORT AND VISIBLE RESULTS

OF

**Tamasawada Nala – Rain Water Harvesting, Conservation & Ground Water Table Recharging Project
Tah. Selu, Dist. Wardha**

10 Oct. 2010 to 30 Nov. 2014.

Rise in Ground water table. Crops, facilities due to project.



Project concept based on Shirpur pattern. Initiative, Awareness work, survey.
Persuasion of work, supervision done by
Purti Sinchan Sammrudhhi Kalyankari Sanstha (NGO)

Blessings : **Parivater Bhagwan Shrikrishna**
Inspiration & Firm Support : Hon. Shri. **Nitinji Gaikari** (Great Visionary Personality)
Guide : Hon. Shri. **Sureshji Khauparkar**, Senior Geologist
Founder of Shirpur Pattern (Water Conservation)
Guide : Shri. **Ravindra Kulk** (Senior Geologist)
Guide : Shri. **Nanjay Kholapurkar** (Ret. Suptd. Engineer)
Project Head : Shri. **Prafulladatta V. Janddar**, Nagpur
Project Engineer : Shri. **Madhav G. Kotasthane** (Civil Engineer), Wardha
Treasurer : Shri. **Aruni Kshatri** (Civil Engineer)

web: www.waterislife.in



Designed & Printed By Satyajit Jambhulkar Cell No.- 9766462227

RAIN WATER HARVESTING AND CONSERVATION PROJECT : (Recharging) Tamaswada Nala Project (Shirpur Pattern)

At Tamaswada, Tal. Selu, Distt. Wardha (Vidarbha) Maharashtra

Visible Results (Raised Ground Water Table) : 0 to 3500 Rasi,
15 Oct 2010 to 15 June 2013.

Treatment - Ridge to Valley at Origin to Junction (Junction of Nala & River)

SALIENT FEATURES

- Zero Land Acquisition Process.
- Free Village Road from excavated material.
- Ample water in Nala bed for animal's camels.
- Flood free process.
- High increase in Ground Water Table.
- High increase in area under cultivation of Khariff, Rabi, Summer Crops, Cash Crops, Sugarcane, Vegetable.
- Conservation of Nature & Environment.
- Water available from Ridge to Valley (Every Portion).
- Facility to lift Water from Nala Bed for Irrigation.

1) Position of Nala Bed before treatment. Fully silted, encroached and shallow. Used to be dry in month of October before treatment. No facility of recharging to Ground Water Table.



2) Treatment to Nala Bed i.e. widening, Deepening, Disilting of Nala Bed



3) Construction of various structures to stop rain Water and strengthening to old structures by providing Earthen Dam at up stream side. Construction of Cement Plug, Gabian Dam, Earthen Dam, UCR Dam



4) Result after Treatment to Nala bed. First Stage of 3/5 Km. (0 to 3.5km.). Nala bed full of rain water stored. No flood in rainy season. Water is available at every portion of Nala from Ridge portion to valley portion.



• Rain Water is the only sources • Save it • It will save you.

- Make running water to walk. Walking water to stop.
- Allow stopped rain water to recharge ground water table.
- Give Water to soil-Soil will give you water.
- Reduce velocity of running water – minimize Runoff Water – minimize Velocity

5

5) Results about High increase in Ground Water Table. (Wells in Command) Month - March 15 (Level below G.L.) Increase in Water Level of surrounding wells increase about 10' (3mt).



Water level of wells before treatment March 2011 are below G.L. 6 to 12 mt. After treatment 20' to 42' 1.8 to 3 mt March 2013 are 6 to 10' below G.L. Arc increase in water table 34' to 32' March 2013 (4 to 10 meter Rise)



6

6) Condition of Crops. High increase in area under cultivation of Khariff, Rabi, Summer Crops, Cash Crops, Soyabean, Cotton, Gram, Wheat, Ground Nut, Sugar Cane, Various Vegetables etc.
Increase Khariff 20%
Increase Rabi 40%
Increase Sugarcane 20%
Increase Vegetable 20%



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.



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.



• Make size of pot bigger & bigger • Store more and more Rain Water

- Work done in totally non command area having No source of Water (River) nor Irrigation facility of any Irrigation project
- Tribal Dominated Village is selected (Village Tamaswada)

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 cattles,Animals
 •Water for Domestic Purposes.
 •Ample water for villagers.



10

10) Awareness activity & Honorable visitors.
 Farmer's
 Officers
 Elected members
 Experts in subject
 NGO person
 Honorable personalities.



- Work of awareness, survey, selection of Location, Work of 500 Rm at Zero point, permission for work (for local development fund), construction of UCB dam, Gabion & Earthen Dam done by **Purli Sinchan Sammrudhhi Kalyankari Sanstha** (NGO). Due to firm support of **Hon. Shri Nitinji Gadkari** and **Guidelines of Shri. Khaaparkarji** founder of Shirgur Pattern.
- Best Work (0 to 3500 Rm.) done by minor irrigation. Zilla parishad Wardha and major work done by local sector division of minor irrigation (State) by using local development funds of Hon. Late Shri. Ajite (MP), Hon. MLC Shri. Gadakari Sahib, MLC Shri. Mankarji, Ganarji, Smt. Shobhatai Fadnis, Shri. Bhanusahb Fundkar.
- Work supported by Mahatma Sugar & Power Limited Jamni
- Expectations hereby coming True an Increased Level of Ground Water Table, Increase in area of crops, Ample water available for cattle farming, ultimately up gradation of Rural Economy



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,
 Purnya Nagri, Sahasik, Navmat, Loksatta, Navbharat.
- 5) All Beneficiaries of Tamaswada Water Conservation Project, Many Farmers, Agri. Labour & Villagers.



Visitors

- 1) Hon. Shri Nitinji Gadkari.
- 2) Hon. Collector Wardha With S.D.O, Tahsildar.
- 3) D.G.M Nabard (Amravati Division).
- 4) Hon. President Zilla Parishad Wardha .
- 5) Hon. C.E.O Zilla 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 Walfare, 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 Pepsi-Cola.
- 22) Convener – All India Water Conservation Cell, BJP.
- 23) Shri- Chobe Geologist, Baster, State- Chhatisagadha.
- 24) Correspondence of Times Now Channel New Delhi.
- 25) Aluminiies 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 Vidhnyan Kendra. Nagpur.
- 28) Dr. Uday Nirgudkar, CEO- Zee 24 Taas
- 29) X-MLA Rani Amita Sing, Amethi (Uttar Pradesh) X- Education Minister
- 30) Head Correspondence Shri . Sunilji Kuhikar, Tarun Bharat, Mumbai.
- 31) X-MP Delegation From Arunachal / Manipur .
- 32) Editor – Daily Jagran, Shahadol, (Madhya Pradesh)
- 33) M.D / C.Eo Shri Dive, Purti Group
- 34) Hon. Shri Sanjeev Prakash CEO. ANI



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

MAY 2011



**FULL DRY, SILTED BED, TAMASWADA NALA, TAH SELOO, DIST WARDHA
USED TO BE IN MONTH OF OCTOBER BEFORE TREATMENT**

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



FULLY DRY & SILTED NALA

**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

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



CONSTRUCTION OF GABIAN BANDH (TO STOP SILTING PROCESS TO REDUCE HIGH VELOCITY)

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



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

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



**TANKER FREE?
YES DUE TO RECHARGING - WATER SUPPLY OF VILLAGE FULL OF WATER PICTURE : 13 - APRIL 2014
(30 HP MOTOR PUMP)**

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

Date- 28/05/2014



**FULLY RECHARGED WELL FULL OF WATER
MONTH : 20-MAY 2014**

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



CREATED RAIN WATER STORAGE AT RIDGE PORTION

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



**“CEMENT BANDHARA (CHECK DAM) FULL OF RAIN WATER”
OVERFLOW FILLING NEXT COMPARTMENT OF NALA**

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



0 TO 130 MTRS. RIDGE PORTION STORAGE

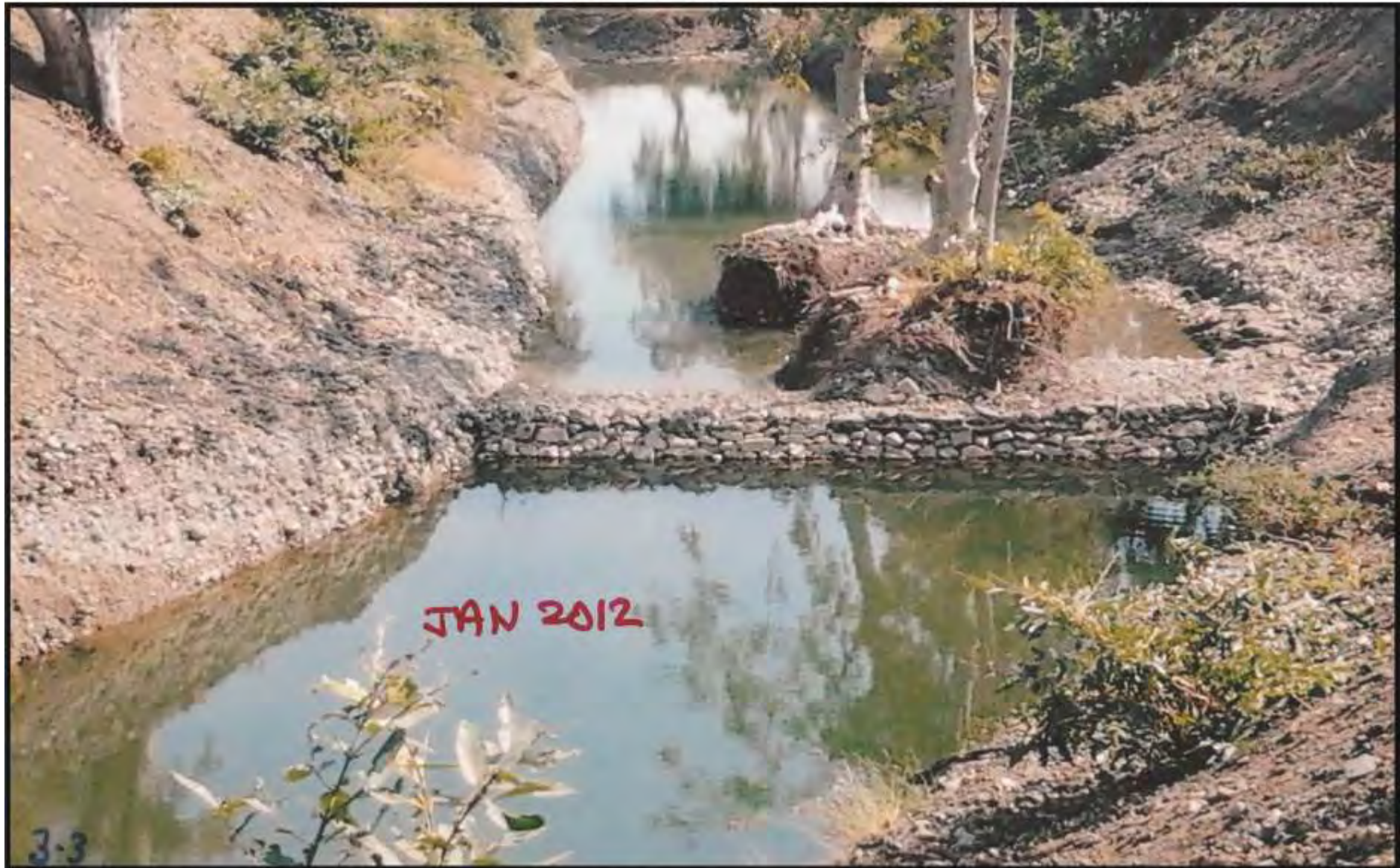
**TAMASWADA NALA RAIN WATER HARVESTING AND RECHARGING PROJECT (RIDGE TO VALLEY)
(AT TAMASWADA, TAH : SELU, DISTT : WARDHA - MAHARASHTRA)**



Date- 14 / 04 / 2013

**“STORED RAIN WATER STILL EXIST ON SURFACE “
MONTH - APRIL 2014**

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



CONSTRUCTION OF GABIAN BANDH (TO STOP SILTING PROCESS TO REDUCE HIGH VELOCITY)

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



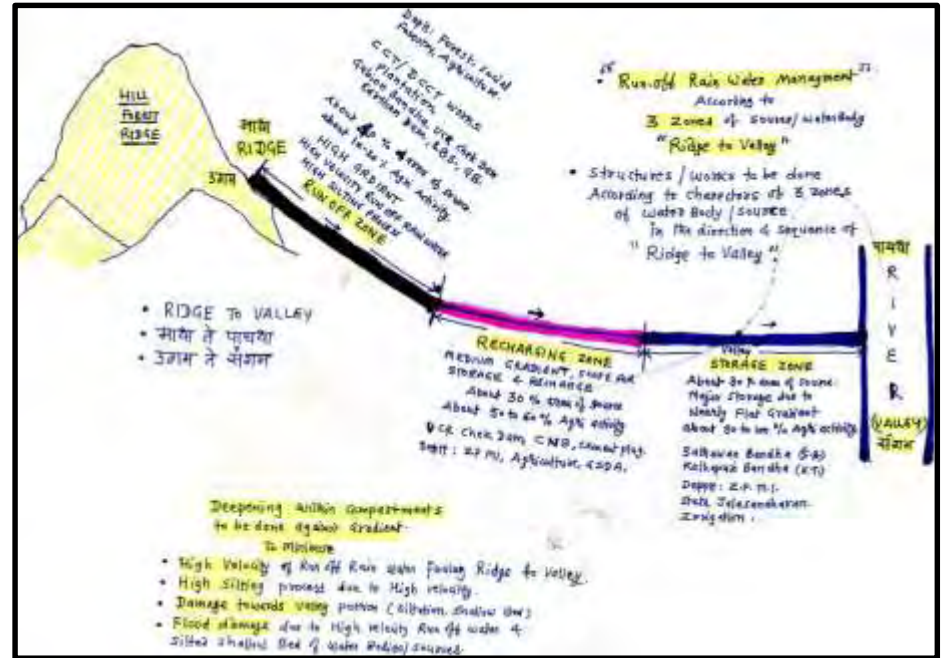
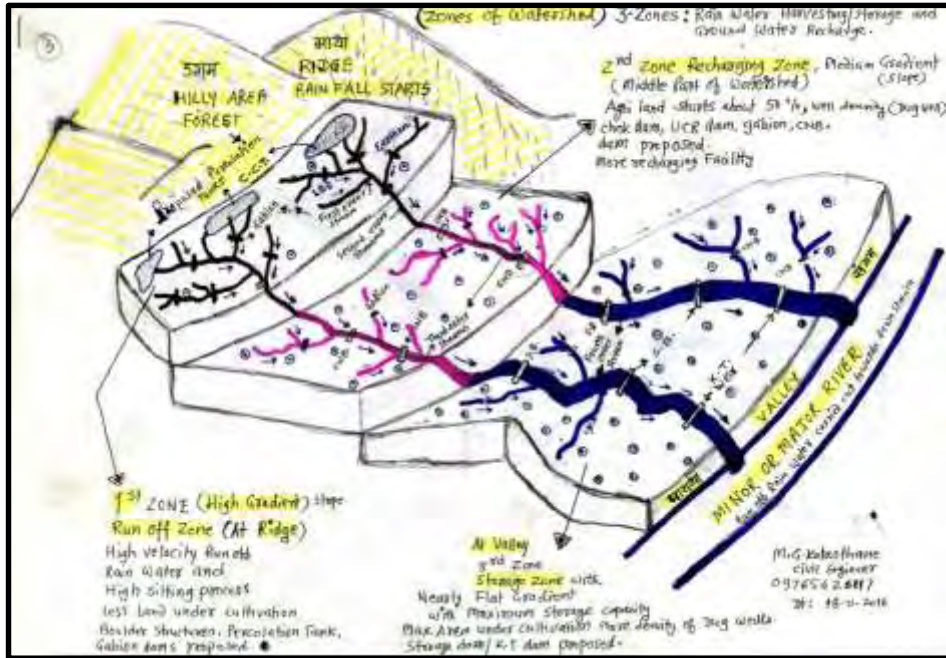
**“STORAGE DAM FULL OF RAIN WATER”
TOWARDS VALLEY PORTION OF NALA**

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



FACILITY OF FREE OF COST WATER FOR IRRIGATION FROM STORAGE CREATED IN NALA BED

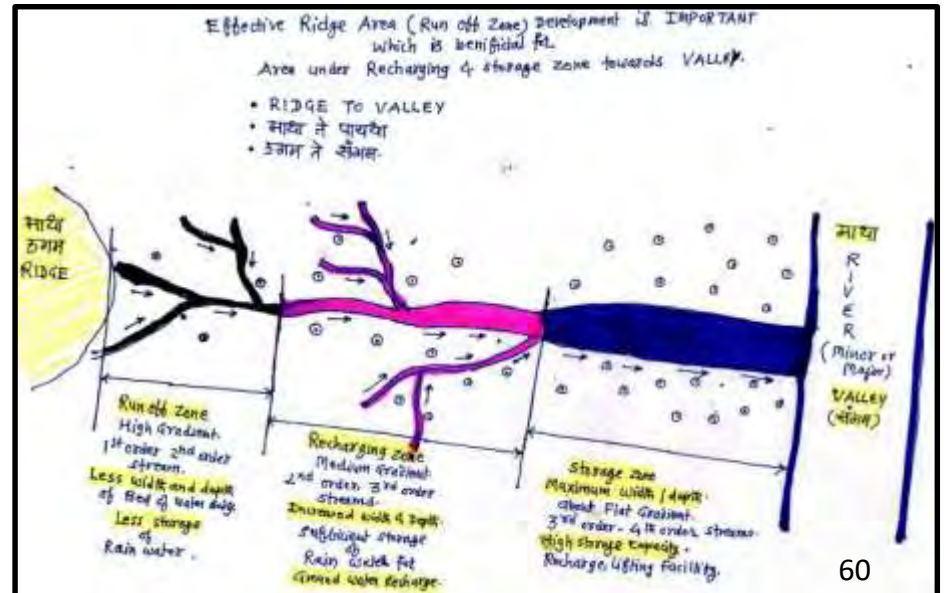
: 3 - ZONES SKETCH : (FOR MICRO WATERSHED)



1st Zone : RUN OFF ZONE (AT RIDGE)

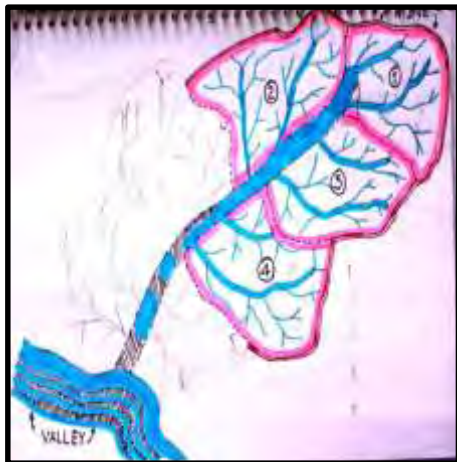
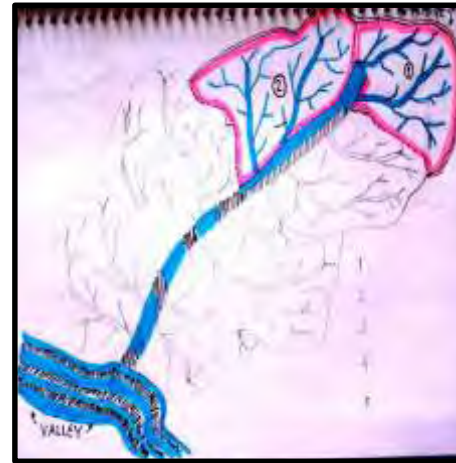
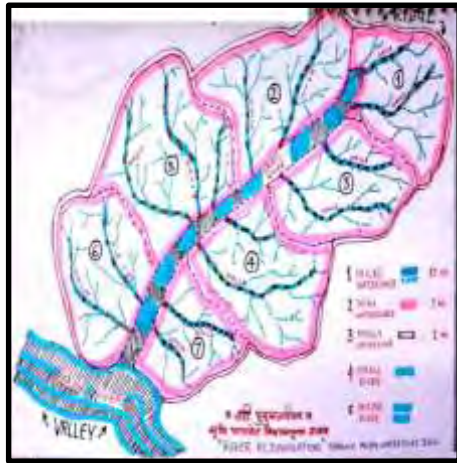
2nd Zone : RECHARGE ZONE (Middle Part)

3rd Zone : STORAGE ZONE (VALLEY PORTATION)



“ RIVER REJUVENATION ” THROUGH COMPLETE DEVELOPMENT OF “ MICRO – WATERSHED ” Ridge to Valley

**POLLUTED &
SILTED RIVER BED**



Rejuvenated Minor – Major River



१.
पेल्यात पाणी
साठवा
काही मिनिट
वापरासाठी पुरेल.



२.
बादलीत पाणी
साठवा,
काही तास
वापरासाठी पुरेल.



३.
टाकीत पाणी
साठवा,
दिवसभर वापरासाठी
पुरेल.

संकल्पना



४.
टाक्यात पाणी
साठवा, काही
दिवस
वापरासाठी पुरेल.



५.
नाल्यातील गाळा
मुळे पाणी साठा
होत नाही
प्रचंड क्षमता
असतांना



६.
नाला गाळमुक्त रुंद
व खोल करा
महिनो महिने पाणी
पुरेल
साठा वाढवा
पाणी मिळवा.

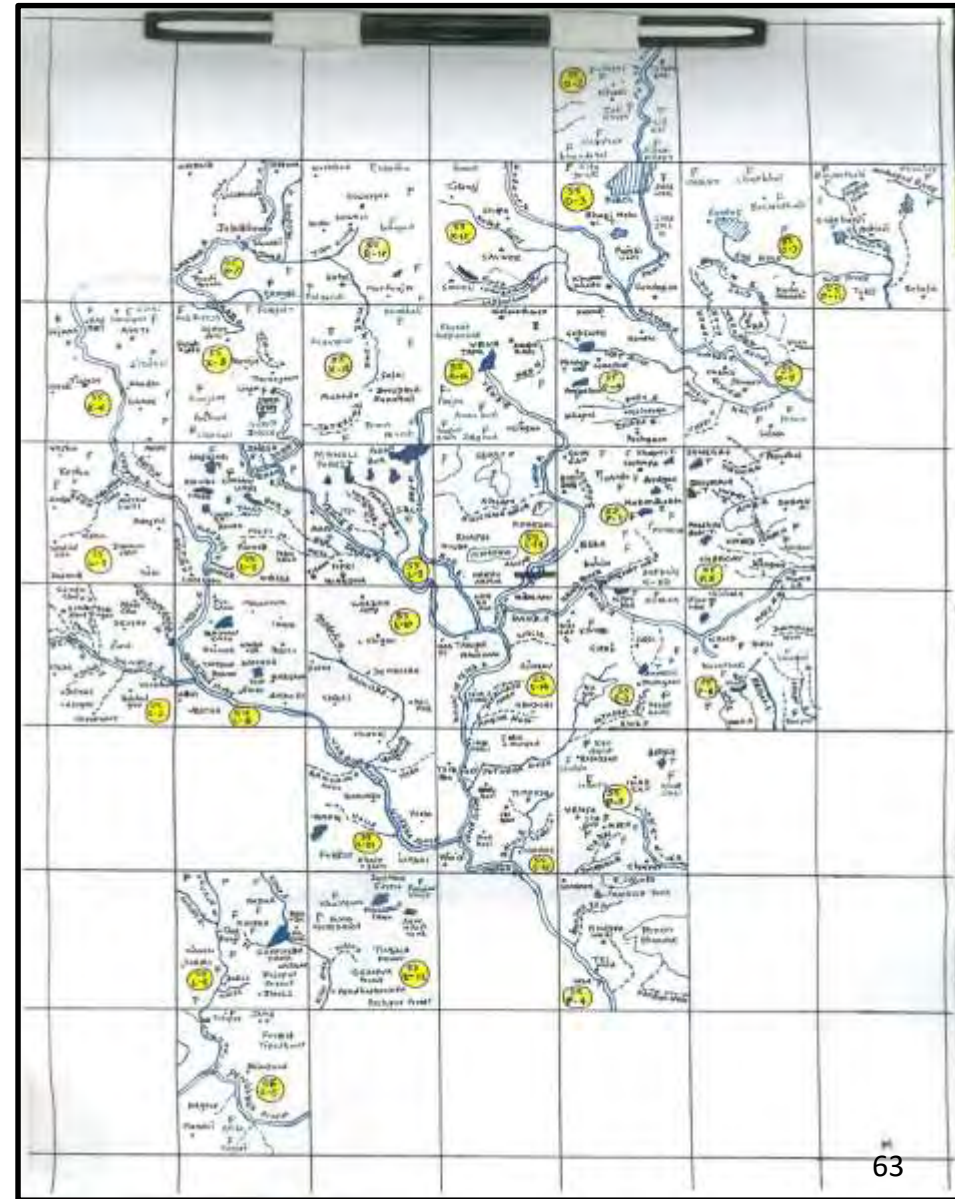
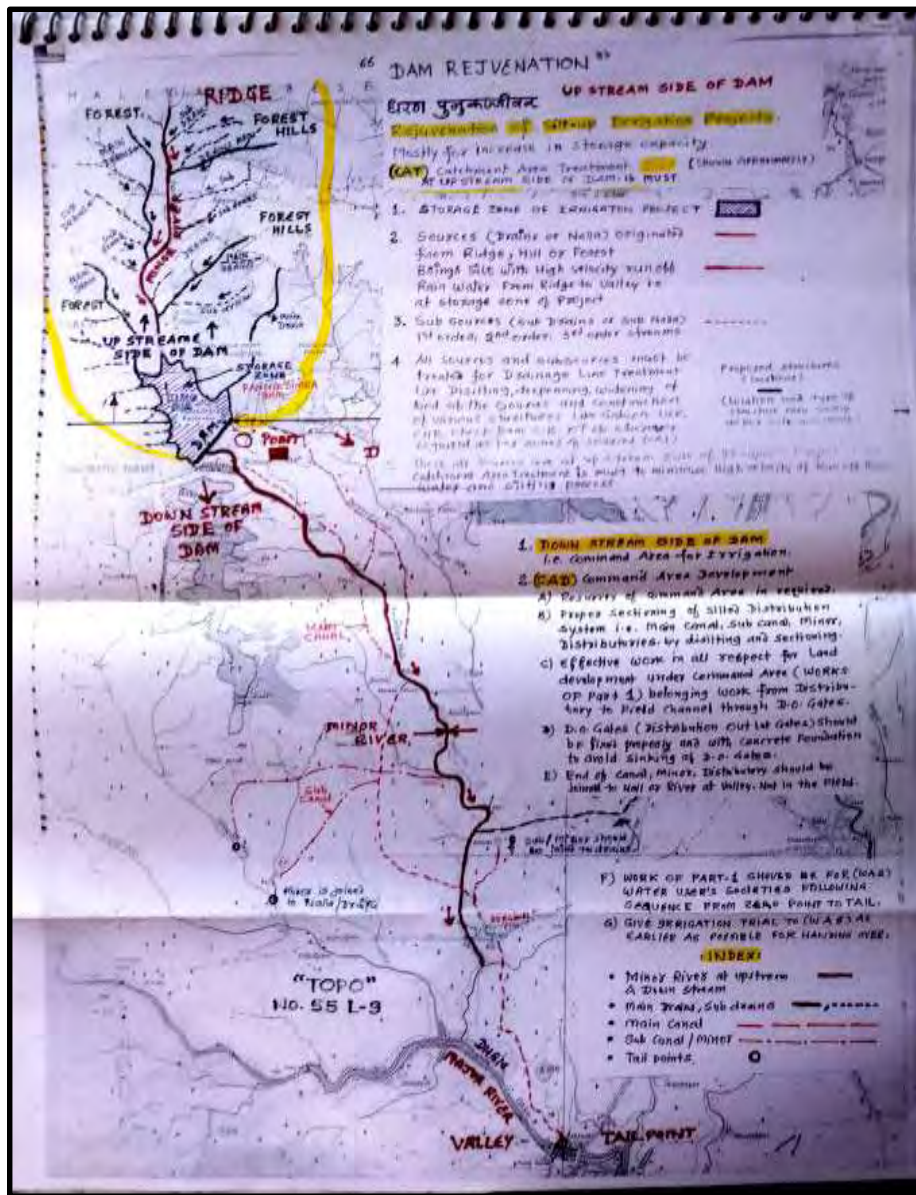
पाणी साठविण्याचे भांडे मोठे करा जलसाठा आपोआप वाढेल.

BIGGER IS THE POT - BIGGER IS THE STORAGE

REJUVENATION OF IRRIGATION DAM (CAT and CAD)

INDEX MAP

OF TOPOGRAPHY (For Some District)



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)

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.



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.

CONTACT :



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PRESIDENT (NGO)
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Mob. : 09422816131



SATYAJEET JAMBHULKAR
e-mail: sjambhulkar88@gmail.com
Mob : 8554011155, 9766462227

Best Wishes to Agro Vision 2017, Nagpur

Hon. Shri Ramdasji Tadas
Member of Parliament, Lok Sabha, Wardha

Printed on Oct. 10 Nov 2017
Publish by Meel Graphics, Wardha



THEME : WATER IS LIFE

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

FOR THAT :-

GROUND WATER RECHARGE ACTIVITY/WORK

THROUGH :-

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



Date:17/04/2006



Date:06/02/2016

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. Year 2010 - 2017

PURTI SINCHAN SAMMRUDHHI KALYANKARI SANSTHA (NGO)

OFF : PLOT NO. 4, PRATAP NAGAR WARDHA - 442001 (M.S.) INDIA.

mail : mkotasthanem@gmail.com Web: www.waterislife.org.in

Mob : 0975426117, 09422142781, 9922926771 (Google Search - Purti Sinchan)



TAMASWADA PATTERN (TP) NALLA TREATMENT

: WORK EXECUTED :

In **"Dark Zone"** of Katol, Narkhed, Tahsil Distt. Nagpur

By

CENTER FOR RURAL WELFARE (C.R.W.) SANSTHA - NAGPUR

Year 2015

Siltup Nalla Before Work



Rain Water Storage After Work



Zero Storage Before Work



Rain Water Storage After Work



RAJANI VILLAGE TANK

Water Conservation Project
No. Mahal, Tah. Narkhed, Distt. Nagpur
Distt. - 461102

Village Ground : Rajani , Gondi (Digras), Mukani, Ambola, Khamli To Landgi - River
Tah. Katol - Narkhed Dist. Nagpur (M.S.)

CENTER FOR RURAL WELFARE (C.R.W.) SANSTHA - NAGPUR



Contact : Mr. Arvind Bondre : Mob - 09403964531
Mr. K. K. Marathe : Mob - 09403619699
Dr. Satish Chavan : Mob - 09503603025

HELPED By : Madhao G. Kotasthane (Civil Engineer) : Mob - 09765426117
P. V. Janddar : Mob - 09922926771
Ravindra Kall (Geologist) : Mob - 09422816131

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

Project :- Micro Watershed Development :

Satoda-Mahakal To Dham River Tah Wardha- Distt. Wardha State Maharashtra-India

: Based on :

TAMASWADA PATTERN (TP) NALLA TREATMENT

C.S.R. of Jawaharlal Nehru Port Trust, Mumbai

: Year 2017:



Position Before Work - April 2017



Treatment Work - May 2017



Drone Photo, Storage - 2 September 2017



Rain Water Storage - 7 July 2017



Recharge Well - Mahakal



Plantation - 1 July To 7 July 2017

:Work done by:



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WATER IS LIFE. Rain Water is the only source. Save it, it will save us.





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

*Let us Conserve the precious water, or it will be available as **TEARS** in our eyes only....*

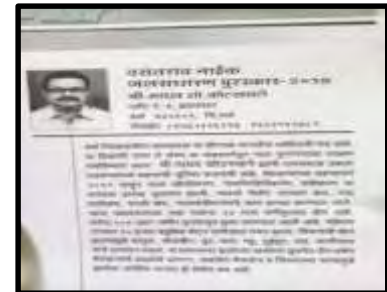



SAVE WATER IT WILL SAVE YOU



Reg. No. MAH 218 / 2001
P-4071

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II TEAM WATER IS LIFE II



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