

DISTRICT RURAL DEVELOPMENT AGENCY

BULDANA,
MAHARASHTRA

Welcome

DISTRICT RURAL DEVELOPMENT AGENCY

BULDANA, MAHARASHTRA

SUCCESS STORIES OF WATERSHED AREA DEVELOPMENT

UNDER

NEW DPAP/HARIYALI & IWDP

Mr. S. J. Kapdnis

Project Director
DRDA, Buldana

Mr. S. J. Koche

Chief Executive Officer
Z. P. Buldana

New Drought Prone Area Development Programme



Buldana District Map

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DPAP/Hariyali



IWDP

New Drought Prone Area Development Programme

OBJECTIVES

-
- To Develop waste & degraded land by adopting watershed approach.
- To elevate living standard of recourse poor & all stakeholder in watershed.
- To overcome drinking water scarcity by strengthening water sources.
- To provide employment to labors to stop migration .
- To increase in the production & productivity of crops for sustainable agriculture.

New Drought Prone Area Development Programme

- **New DPAP Started in Buldana Dist** : **2000-2001**
- **Project Implementing Agencies selected.** : **10 NGOS and 1 Govt Agency i.e. Dy. Director Social Forestry, Buldana**
- **No of Watersheds Selected under programme in 9 Block** : **106 in 77 Villages**
- **Total Treatable area in ha** : **53722.00 Ha**
- **Project cost as per approved work plan** : **3177.56 lakhs**
- **No of installments received up to Dec 2010 (Central & State)** : **7 Out of 7 (100 %)**
- **Expenditure up to Dec. 2010** : **3055.88 lakhs (96 %)**
- **No of watersheds completed by the end of Dec 2010** : **102 ws (100 %) 4 ws 90 %**
- **Treated area in ha** : **53228 ha (99 %)**

New Drought Prone Area Development Programme

Physical & Financial Progress under New DPAP Since 2000-01 to Dec. 2010

Sr. No.	Activities	Physical	Financial (Rs in Lakhs)
1.	Continuous Contour Trench (Ha.)	1292.27	82.31
2.	Water Absorption Trench (Ha.)	239.70	6.22
3.	Small Loose Boulders Structure (No.)	1661	14.33
4.	Big Loose Boulders Structure (No.)	763	13.86
5.	Earthen Structure (No.)	1254	20.59
6.	Farm Bunding (Ha.)	44596.29	1388.01
7.	Ill Drained Soil Development (Ha)	1235.11	145.89
8.	Earthen Nala Bunds (No.)	63	135.99
9.	Cement Nala Bunds (No.)	247	568.00
10.	Nala Bank Straitening (No)	01	1.48
11.	Stud Wall Construction to old ENB (No)	06	0.95
12.	Farm Ponds (No)	686	217.12

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Shri. Shankar Tukaram Wanare **Village** : Tamgaon, **Tq.** Sangrampur **Dist.** Buldana

Survey No : 14 **Area:** 0.40 ha **Type of Activity** : Farm Pond **Cost of Farm Pond** : 31500/-



Farmer's view

- ❖ Due to Protective irrigation given to cotton crop with the help of electric pump which resulted 4 quintal rise in the earning production of cotton crop by 3 quintals.
- ❖ In the single season farmer is benefited of Rs. 8000/-
- ❖ Red gram and wheat crop is also taken followed by cotton crop which was not possible before construction of farm pond in the field.

Constructed By : NGO :- Krushi Vidyan Kendra, Jalgaon Jamod Dist. Buldana

 VWSC : Gram Vikas Panlot Samittee, Tamgaon

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Dilip Shridhar Ghive **Village** : Tamgaon, **Tq.** Sangrampur **Dist.** Buldana

Survey No : 14 **Area**: 0.40 ha **Type of Activity** : Farm Pond **Cost of Farm Pond** : 31500/-

Farmer's view

❖ Due to construction of farm pond rise in water table by 2 mtr in the nearby well.



Farmer's view

❖ Increase in cotton production upto 25 % because of protective irrigation given farm pond.

Farmer's view

❖ Wheat crop is also taken on the same field followed by cotton. Hence it helped in the taking double crop cultivation.



Constructed By : NGO :- Krushi Vidyan Kendra, Jalgaon Jamod Dist. Buldana

VWSC : Gram Vikas Panlot Samittee, Tamgaon

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Ashruba G. Armal **Village** : Shivani Armal **Tq.** Deulgoan Raja **Dist.** Buldana

Survey No : 402 **Area**: 0.50 ha **Type of Activity** : Farm Pond **Cost of Farm Pond** : 42718/-



Farmer's view

❖ Before construction of farm pond green gram was taken as rain fed crop but after construction of farm pond it provided facilities of protective irrigation to crop like soybean followed by Red gram yield up to 8 Qtl /acre and 6 Qtl. Per acre respectively.

❖ Double cropping can be possible due to farm pond construction.

Constructed By : NGO :- Gajanan Maharaj Krushi & Shaikshanik Sanstha, Umbarkhed

VWSC : Village Panlot Samittee, Shivnai Armal

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Pralhad S. Wayal **Village** : Padli Shinde **Tq.** Deulgoan Raja **Dist.** Buldana

Survey No : 136 **Area**: 0.42 ha **Type of Activity** : Farm Pond **Cost of Farm Pond** : 27331/-



Farmer's view

- Increase in the water level of the well nearest to farm pond by 0.70 mtr to 1.0 mtr.
- It is possible to take red gram in rabbi season.
- Substantial increase in the production of Maize by 5 -6 quintals due to protective irrigation.

Constructed By : NGO :- Gajanan Maharaj Krushi & Shaikshanik Sanstha, Umbarkhed

 VWSC : Village Panlot Samittee, Padli Shinde

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Shri. Ambadas N. Nagre **Village** : Sawkhed Nagre **Tq.** Deulgoan Raja **Dist.** Buldana

Survey No : 31 **Area**: 0.55 ha **Type of Activity** : Farm Pond **Cost of Farm Pond** : 27443/-



Farmer's view

- ❖ Increase in the water level of the well by 0.40 mtr to 1.30 mtr.
- ❖ Only rain fed green gram was sown in the field. The yield was 2 qtl.
- ❖ After construction of farm pond cash crop like soyabean and maize are taken getting the yield about 10-11 qtl.
- ❖ Farm pond helped in shifting of crops.

Constructed By : NGO :- Gajanan Maharaj Krushi & Shaikshanik Sanstha, Umbarkhed

VWSC : Village Panlot Samittee, Sawkhed Nagre

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Shri. Limbaji Y. Nagre **Village** : Sawkhed Nagre **Tq.** Deulgoan Raja **Dist.** Buldana

Survey No : 31 **Area**: 0.55 ha **Type of Activity** : C. N.B.

Cost of C.N.B. : Rs 236000/-

**Chilli crop
Visit by DRDA
Officers**



Well Recharging



Farmer's view

- ❖ Increase in the water level of well by 1.00 mtr to 1.50 mtr.
- ❖ It is possible to irrigate two times to Mosambi & cotton crops.
- ❖ Benefit of Rs.70- 75 thousands.
- ❖ Crop Like chili could be possible to take on the same field after cotton crop in summer season.
- ❖ Benefit of Rs. 40 thousand from chilli.

Constructed By : NGO :- Gajanan Maharaj Krushi & Shaikshanik Sanstha, Umbarkhed

VWSC : Village Panlot Samittee, Sawkhed Nagre

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Shri. Dattu A. Nagre & Shri. Sukhdev Gunjal, Mendgaon

Village : Sawkhed Nagre

Tq. Deulgoan Raja

Dist. Buldana

Survey No : 31

Area: 0.55 ha

Type of Activity : E. N.B.

Cost of E.N.B. : Rs 132000/-



Farmer's view

- ❖ Recharging of well, rise in the water level in the well by 0.5 mtr to 1.00 mtr.
- ❖ Cotton Crop can be irrigate two times.
- ❖ Benefit of Rs. 50 to 55 thousand due to protective irrigation to cotton crop.

Farmer's view

- ❖ Recharging of well due to various treatments in watershed.
- ❖ Increase in water table up to ground level.

Constructed By :

NGO :- Gajanan Maharaj Krushi & Shaikshanik Sanstha, Umbarkhed

VWSC : Mahtama Phule Panlot Samittee, Shivani Armal

Some of the Watershed Success Stories in Buldana District..

Name of Scheme : New Drought Prone area Development Programme

Farmers Name : Shri. Dinkar Wayal **Village** : Takarkhed Wayal **Tq.** Deulgoan Raja **Dist.** Buldana

Area: 1.00 ha **Type of Activity** : FB & C. N.B. **Cost of FB & C.N.B.** : Rs. 3100 /- & 1.5. Lakh



Farmer's view

- ❖ Recharging of well due to farm bunding and C.N.B.
- ❖ Increased water level in the well by 1.0 mtr to 1.5 mtr.
- ❖ Cotton crops irrigates three times.
- ❖ Benefit of Rs. 60 to 65 thousand.
- ❖ Strengthen drinking water source.
- ❖ Solved water problem up to 75 %.

Constructed By : NGO :- Gajanan Maharaj Krushi & Shaikshanik Sanstha, Umbarkhed

VWSC : Mahtama Phule Panlot Samittee, Shivani Armal

Water Harvesting Structures in Watershed under DPAP



Cement Nala Bund

Village : Padli Shinde

Tq. : Deulgaon Raja

Dist. : Buldana

Earthan Nala Bund



Village : Shivani Armal

Tq. : Deulgaon Raja

Dist. : Buldana

Soil & Water Conservation Structures in DPAP



Farm Bunding

Village :USRAN
Tq. : Mehekar
Dist. : Buldana

Village :USRAN
Tq. : Mehekar
Dist. : Buldana

Cement Nala Bund



Constructed By : NGO :- Savata Mali Samaj Vikas Shaikshanik & Bahuddeshiya Buldana
VWSC : Panlot Vikas Samittee, Usran

HARIYALI Programme

Physical & Financial Progress under HARIYALI Since 2003-04 to Dec. 2010

Sr. No.	Activities	Physical	Financial (Rs in Lakhs)
1.	Continuous Contour Trench (Ha.)	608.86	50.03
2.	Water Absorption Trench (Ha.)	2.50	5.10
3.	Small Loose Boulders Structure (No.)	109	1.60
4.	Big Loose Boulders Structure (No.)	492	5.65
5.	Earthen Structure (No.)	36	1.39
6.	Farm Bunding /Graded Bunding (Ha.)	30525.39	1006.20
7.	Ill Drained Soil Development (Ha)	40.00	2.89
8.	Earthen Nala Bunds (No.)	7	9.41
9.	Cement Nala Bunds (No.)	92	232.21
10.	Nala Bank Straitening (Rmt)	18467	14.07
11.	Gabian Structures (No)	20	1.04
12.	Farm Ponds (No)	344	129.10
	Total		1458.695

HARIYALI Programme

- **HARIYALI Started in Buldana Dist** : **2003-2004**
- **Project Implementing Agencies** : **Block Development officers selected.**
- **No of Watersheds Selected under programme in 9 Block** : **87 in 78 Villages**
- **Total Treatable area in ha** : **43500.00 Ha**
- **Project cost as per approved work plan** : **2610.00lakhs**
- **No of installments received up to Dec 2010 (Central & State)** : **Har- 1-5/4,Har 2-5/5,Har 3-5/5 Har4-5/3**
- **Expenditure up to Dec. 2010** : **1844.89 lakhs**
- **No of watersheds completed by the end of Dec 2010** : **18Ws-(90%)39 Ws(75 %) ,30Ws (45 %)**
- **Treated area in ha** : **31819.00 ha**

Continuous Contour Trenches under Hariyali



Village :- Mohothkhed, Gut No :- E Class, Ta:-Lonar, Dist.:-Buldana

Farm Bunding under Hariyali



Village :-Nipana

Ta.:- Kahamgaon

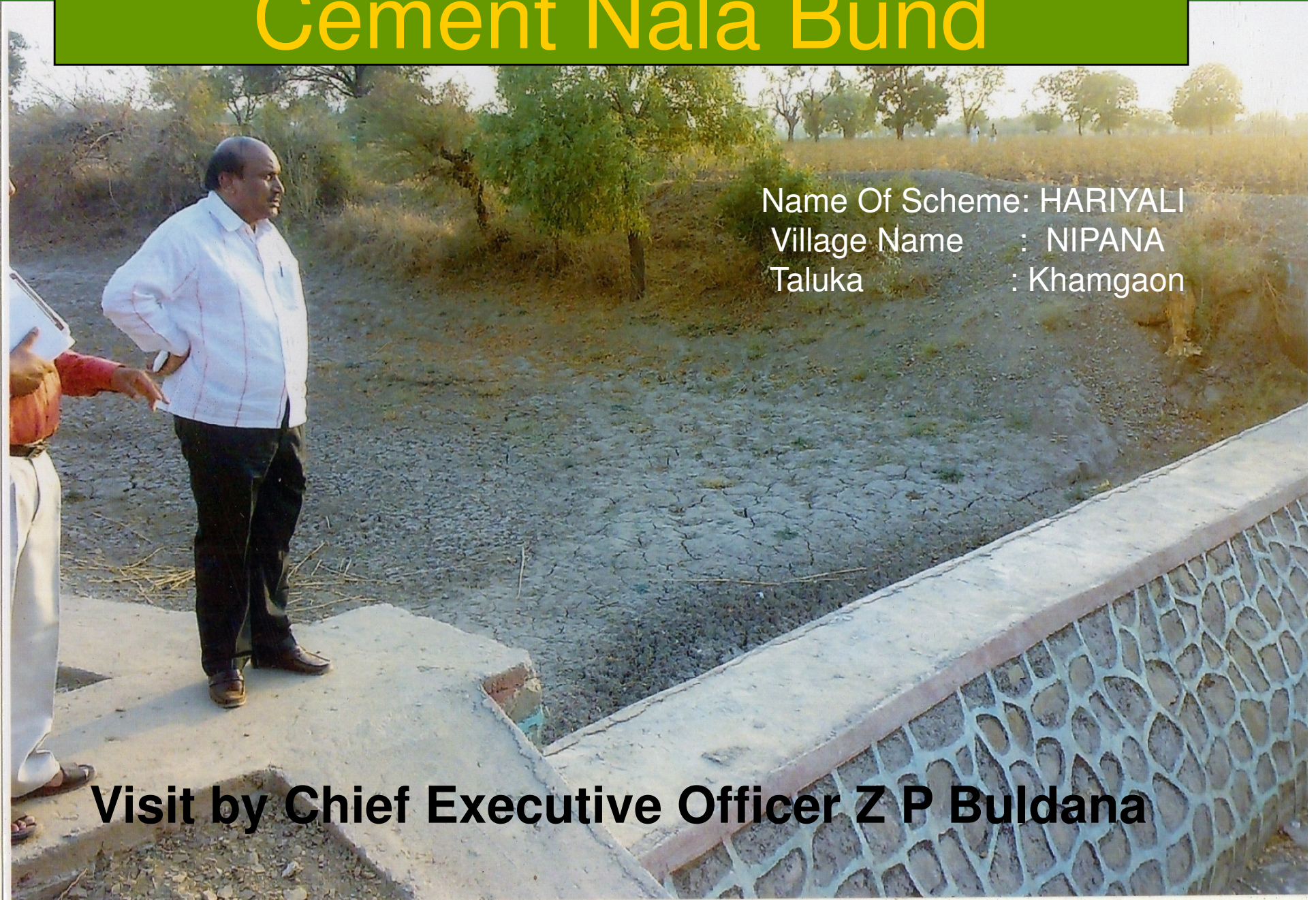
Dist:-Buldana

**Visited by hon. Chief Executive officer Z P & Chairman D R D A
Buldana**

Cement Nala Bund

Name Of Scheme: HARIYALI
Village Name : NIPANA
Taluka : Khamgaon

Visit by Chief Executive Officer Z P Buldana



Farm Bunding under Hariyali



Village Name:- Bhalegaon Bazar

Ta.:-Khamgaon Dist:-Buldana

Water Harvesting Structures in Watershed under Hariyali



Cement Nala Bund

Farmers Name:- shri Vishnu Vithal Maske

Village : Giroli Kh **Tq. :** Deulgaon Raja

Dist. : Buldana



Farmers View :- Due to construction Of C N B my well recharged & found increase in the water level up to 2 Mtrs. So that I could take horticulture crop like pomegranate. Before that I was taking rain fed Jawar & tur . Hence it helped to change cropping pattern.

Visit to chilli crop in shednet By P. D. DRDA, Buldana



Farmer Name :- Shri Parekar, Village : Giroli Kh, Ta.Deulgaon Raja ,
Dist:- Buldana

I.W.D.P - Programme

- **IWDP Started in Buldana Dist** : **2003.04 & 2006-07**
- **Project Implementing Agencies :** **Dy. Director Social Forestry, Buldana selected.**
- **No of Watersheds Selected under :** **38 watersheds in 20 Villages programme in Motala Block**
- **Total Treatable area in ha :** **19156 Ha**
- **Project cost as per approved :** **1149.36 lakhs work plan**
- **No of installments received up to :** **IWDP 1-5/4, IWDP-2,3,4-5/3 Dec 2010 (Central & State)**
- **Expenditure up to Dec. 2010 :** **630.26 lakhs**
- **No of watersheds completed by :** **10ws (90 %) & 20 WS (43%) the end of Dec 2010**
- **Treated area in ha :** **10491.00 ha**

INTEGRATED WASTELAND DEVELOPMENT Development Programme

Physical & Financial Progress under IWDP- Since 2003 to Dec. 2010

Sr. No.	Activities	Physical	Financial (Rs in Lakhs)
1.	Continuous Contour Trench (Ha.)	302.15	21.09
2.	Water Absorption Trench (Ha.)	16.10	1.04
3.	Small Loose Boulders Structure (No.)	136	1.87
4.	Big Loose Boulders Structure (No.)	129	4.61
5.	Plantation along farm bunds (Unit	30	1.74
6.	Farm Bunding (Ha.)	10720.18	374.56
7.	Farm Ponds (No)	109	34.10
8.	Cement Nala Bunds (No.)	27	64.22
	Grand Total		503.23

C.C.T. ON COMMUNITY LAND AT KOTHALI

Community land

Survey No. 277

PIA :- Deputy Director social forestry Division Buldana

WC : Village Panlot Samittee, Kothali



Continuous contour Trenches



Continuous contour Trenches on community land

Village : Kalegaon

Tq. : Motala

Dist. : Buldana

Farm Bunding



Farmer name : Shri Shubhash Shankar Khotale

Gat No. 205 Village :RAJUR Tq. : Motala Dist. : Buldana

**Farmer view : 1) Increased water level in the well by 1.0 mtr to 1.5 mtr.
2)Stopped soil erosion up to 60 percent.**

Constructed By : PIA :- Deputy Director social Forestry Division Buldana
WC : Panlot Vikas Samittee, Rajur & Kalegaon

FARM POND UNDER IWDP

Name of Scheme : Integrated wasteland
Development Programme
Farmers Name : Kadu Parvat Raut
Village : Punhai **Tq.** Motala **Dist.** Buldana
Survey No : 64 **Area**: 0.50 ha
Type of Activity : Farm Pond
Cost of Farm Pond : 32298/-



Farm Pond under IWDP 1.

Name of Scheme : Integrated wasteland Development Programme

Farmers Name : Ashok Sadashiv Gaware **Village** : Kothali **Tq.** Motala **Dist.** Buldana

Survey No : 215 **Area**: 0.50 ha **Type of Activity** : Farm Pond **Cost of Farm Pond** : 32298/-



Farmer's view

❖ Before construction of farm pond green gram was taken as rain fed crop but after construction of farm pond it provided facilities of protective irrigation to crop like Wheat, Jwar soybean followed by social forestry yield up to 2 Qtl /acre and 8 Qtl. Per acre respectively.

❖ Double cropping can be possible due to farm pond construction.

Constructed By : PIA :- Deputy Director social forestry Division Buldana

VWSC : Village Panlot Samittee, Kothali

CEMANT NALA BUND



Farmer Name :- Sou Gokarnabai Manikrao Kakar

Gat No :- 38

At : Kalegaon Tq. Motala

Farmer view : Before the construction of C.N.B. most rain water going out of watershed due to construction C.N.B. these water is arrested and recharged water level and remain upto February ,so that it Increase in the total crop production upto 25 %.

CEMANT NALA BUND



Farmer Name :- Sou Sumanbai Sakharam Ghogate

Gat No :- 33

At. Kalegaon Tq. Motala

Farmer view : Before the construction of C.N.B. farmer was taking only rain fed crops & now cropping pattern has been changed the farmer are taking crops like cotton, wheat and vegetable .

VISIT BY Hon. M.L.A. TO CEMENT NALA BUND AT. KOTHALI

Hon Vijayrajji Shinde
M.L.A. has visited in the
month of Dec. 2009 to
C.N.B. & discussed
about benefits of C.N.B.
And get satisfied.

Mr. Sunil Limaye
Joint Director S.F.C.
Amravati.& Shri Mali
PIA/ Dy. Director
S.F.Dn. Buldana was
also present.



Cement Nala Bund under IWDP -1



Farmer name : Sahebrao Trambak Ghond

Gat no.: 240 Village : Khothali

Farmer's view:

- 1) Increased water level in the well by 1.0 - 1.5 mtr.**
- 2) Recharging of well due to C.N.B.**
- 3) Cotton crops can irrigates three times.**
- 4) Total Benefit of Rs. 60 to 65 thousand in a season.**
- 5) Strengthen drinking water source, Solved water problem up to month of April.**

Thank You !