

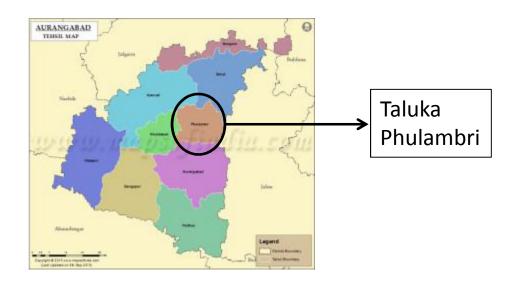
# INDIA PULSES AND GRAINS ASSOCIATION WATER RESOURCE REVIVAL PROJECT

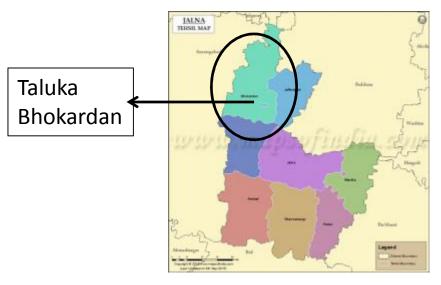
#### AN INTERNATIONAL YEAR OF PULSES 2016 INITIATIVE



- Marathwada region has had three consecutive years of drought
- Rivers, nallahs and wells are dry causing huge scarcity of water for drinking and farming
- Farmers moving away from Pulses cultivation to Cotton, Maize and Soyabean

- IPGA's aim is to create a long-term solution to the water problems
- Phulambri Taluka in Aurangabad District and Bhokardan Taluka in Jalna district were selected for the project





#### Taluka Phulambri

- Wanegaon
- Daregaon Dari
- Manmodi

#### Taluka Bhokardan

- Bhokardan
- Pimpalgaon Renukai
- Shipora Bazaar
- Paradh
- Kolegaon
- Malegaon
- Kolhapur

 The Project was inaugurated on May 18, 2016 by Shri Raosaheb Patil Danve – Hon'ble Member of Parliament and BJP Maharashtra State President for BJP



- About the Project:
  - Most river beds and nallahs in these villages were filled with silt due to which rain water would not accumulate in these areas
  - Widening and deepening of river beds and nallahs was started in each of these villages
  - Adopted the DOH (डोह) model
    - In this process, multiple pockets of about 300 meters in length at a distance of 10 to 15 meters are created within the riverbed/nallah.
    - These pockets capture the water which then percolates into the surrounding soil replenishing the water table.

- About the Project:
  - Each river bed / nallah is being excavated to a distance of 2 km to 3 km each
  - The excavation covers the entire span of the river bed / nallah. This can vary from 15 mtrs to 65 mtrs
  - Each river bed / nallah is being excavated to a depth of 2.5 mtrs to 3 mtrs.

- The Result:
  - Total excavation: 400,000 cubic metres
  - Total storage capacity created: 40 crore litres
  - Total percolation capacity: Over 100 crore litres
- The direct and indirect beneficiaries:
  - 25+ villages in the areas around these sites
  - 150,000+ villagers

If the monsoons are proper this year, then the amount of water that will percolate into the soil will solve the water problems of these areas for atleast one year.

#### **BHOKARDAN TALUKA**





# Village Shipora Bazaar Before After $\downarrow$



Total Length:	1500 metres
Average Width:	15 metres
Average depth:	2 metres
No. of DOHS:	20







### Village Kolhapur Before After





Total Length:	500 metres
Average Width:	24 metres
Average depth:	3 metres
No. of DOHS:	1



#### POST – RAIN SCENARIO

SHIPORA BAZAAR





K O L H A P U R









#### Village Bhokardan

#### Before ↓



Total Length:	1500 metres
Average Width:	21 metres
Average depth:	2 metres
No. of DOHS:	4











#### Village Paradh Before After





Total Length:	2250 metres
Average Width:	24 metres
Average depth:	3 metres
No. of DOHS:	15







# Village Kolegaon Before After





Total Length:	1500 metres
Average Width:	10 metres
Average depth:	2.5 metres
No. of DOHS:	15





## Village Malegaon Before





Total Length:	1500 metres
Average Width:	7 metres
Average depth:	2 metres
No. of DOHS:	25







#### Village Pimpalgaon Renukai Before After





Total Length:	2700 metres
Average Width:	12 metres
Average Depth:	2.5 metres
No. of DOHS:	35

#### **BHOKARDAN PHULAMBRI**





#### Village Wanegaon Before After





Total Length:	750 metres
Average Width:	65 metres
Average depth:	3 metres
No. of DOHS:	12







# Village Daregaon Dari



After

Total Length:	190 metres
Average Width:	8 metres
Average depth:	2.5 metres
No. of DOHS:	2







# Manmodi

#### Before ↓



Total Length:	760 metres
Average Width:	8 metres
Average depth:	2.5 metres
No. of DOHS:	11



After





#### **THANK YOU**

