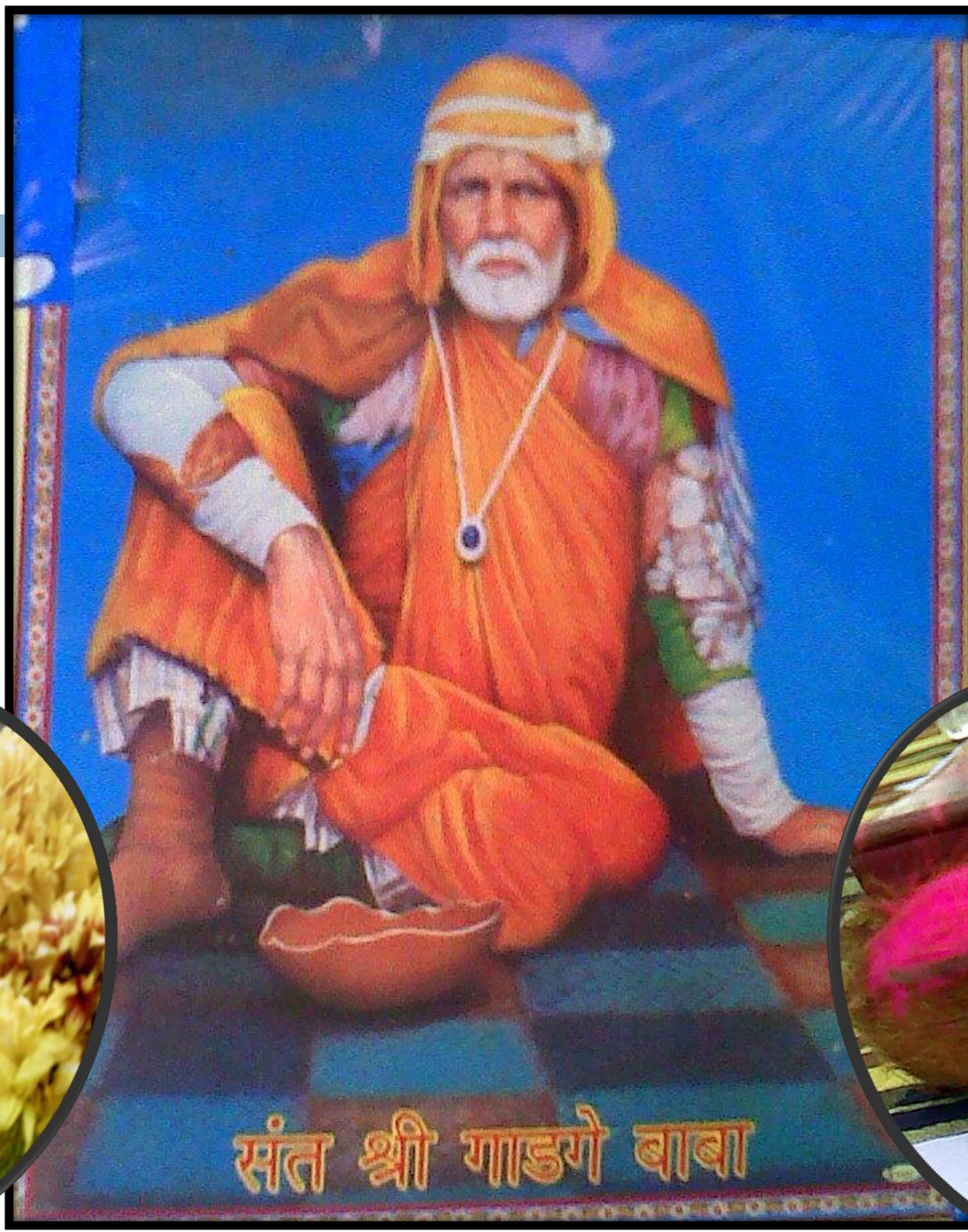
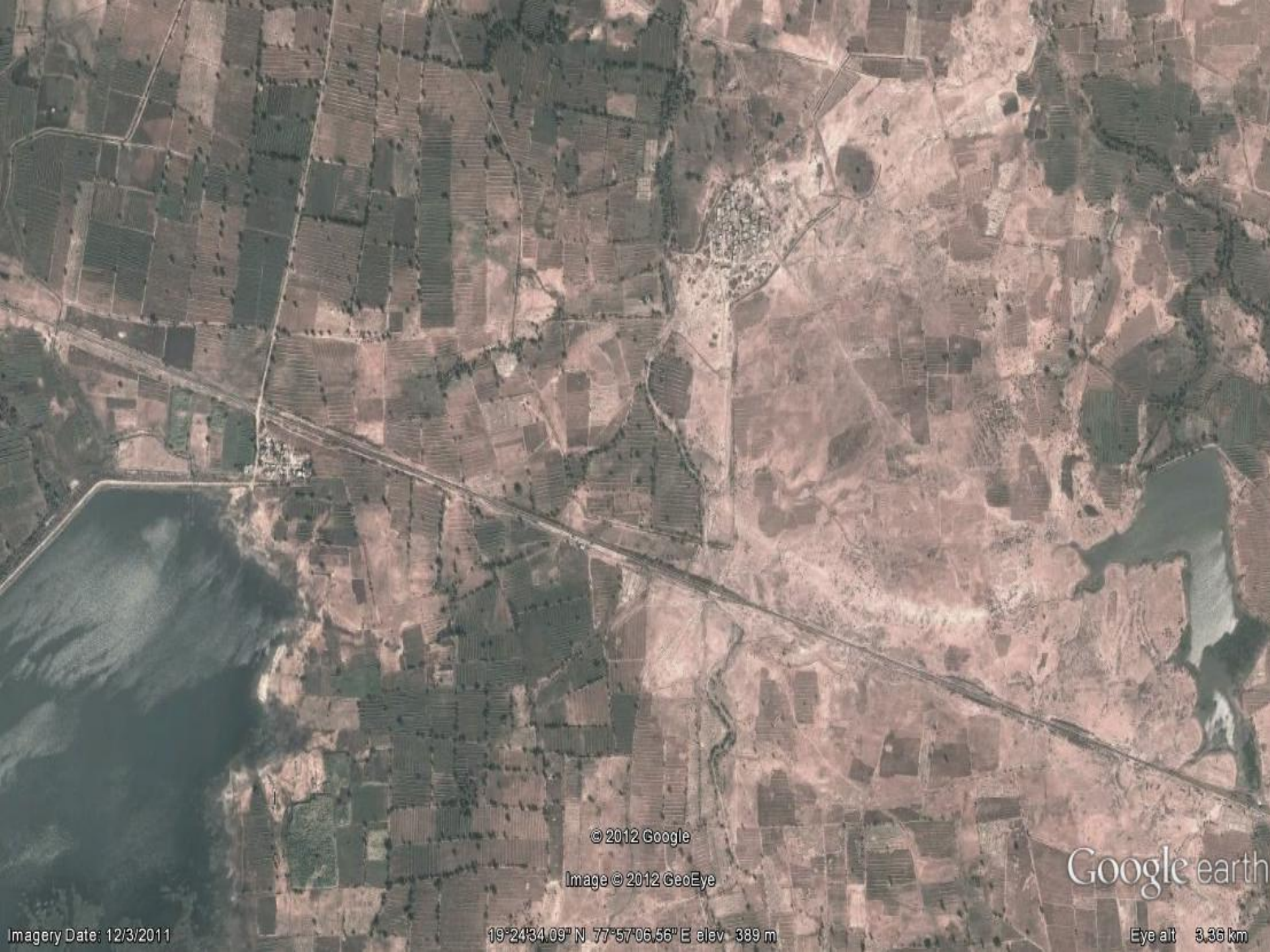


JIRONA
THANKAR



Madhura Roy~~Srimant Kumar~~Kalpesh Rupavatiya~~Raguramarajan~~Divya Iyer





© 2012 Google

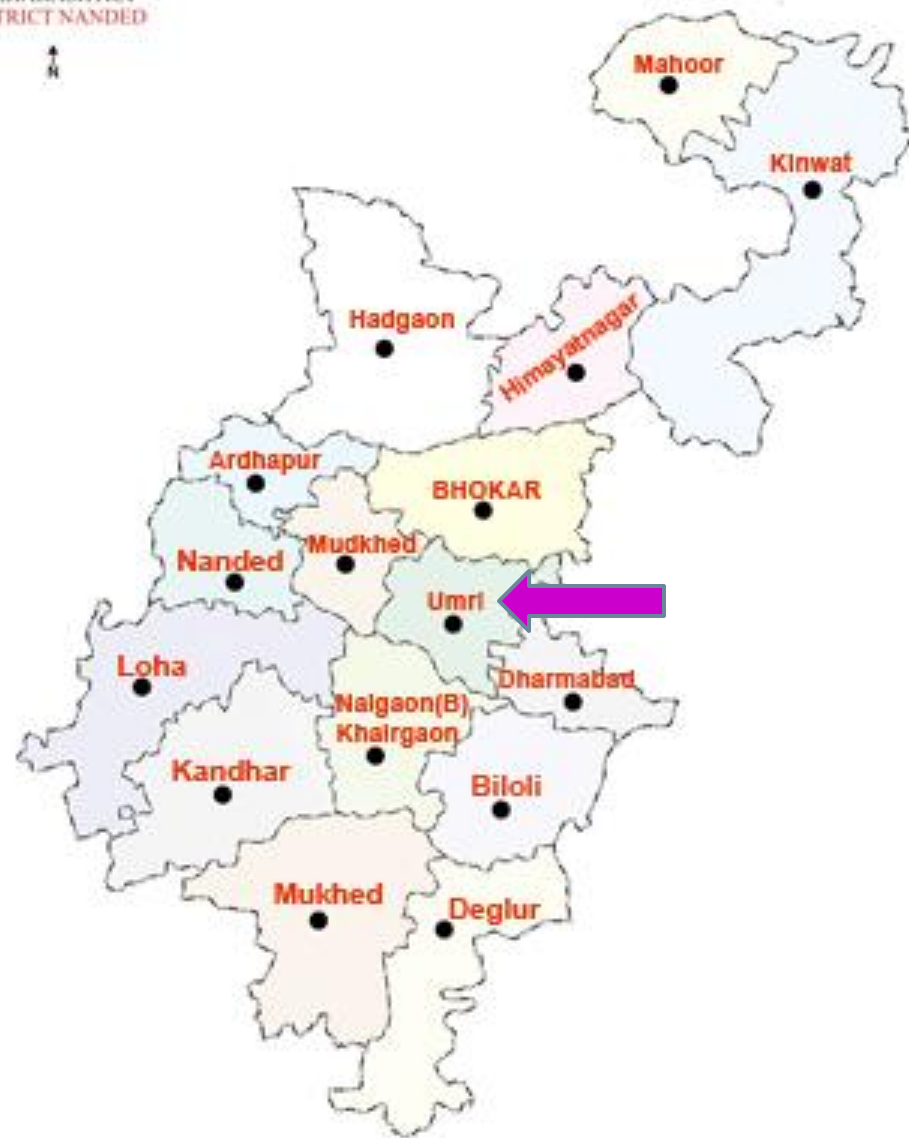
Image © 2012 GeoEye

Google earth

Imagery Date: 12/3/2011

19°24'34.09" N 77°57'06.56" E elev. 389 m

Eye alt 3.36 km



State- Maharashtra
District- Nanded
Taluka- Umri
Village- Jirona

Geographical Location

- Total Area: **400.67 hectares**
- Coordinates: **19.04' N and 77.04' E**
- Altitude: **346 metres above sea-level**
- Area under cultivation: **328 hectares**
- Residential Area: **2.87 hectares**
- Forest Area: **20 hectares**
- Average Rainfall: **900-1000 ml**

Demographic Data

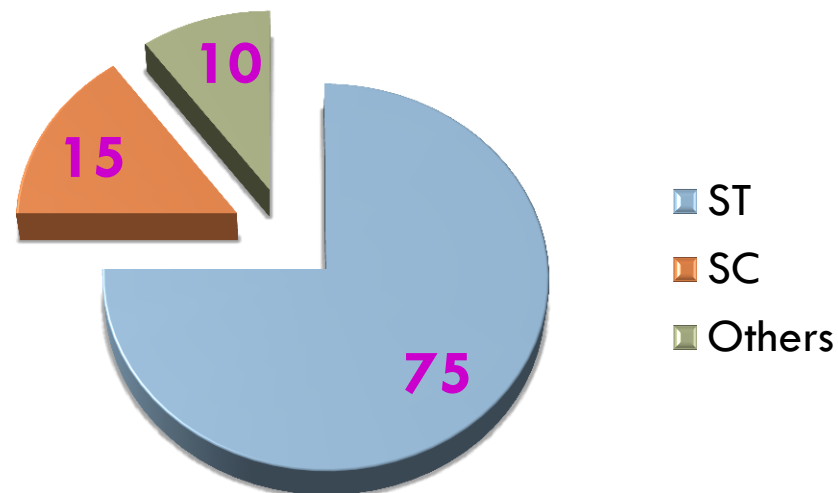
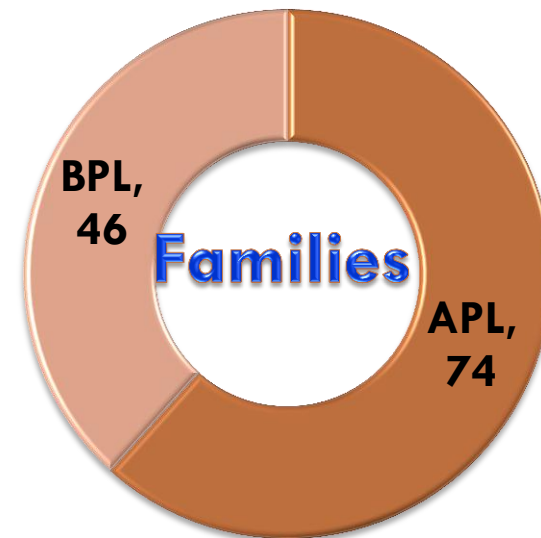
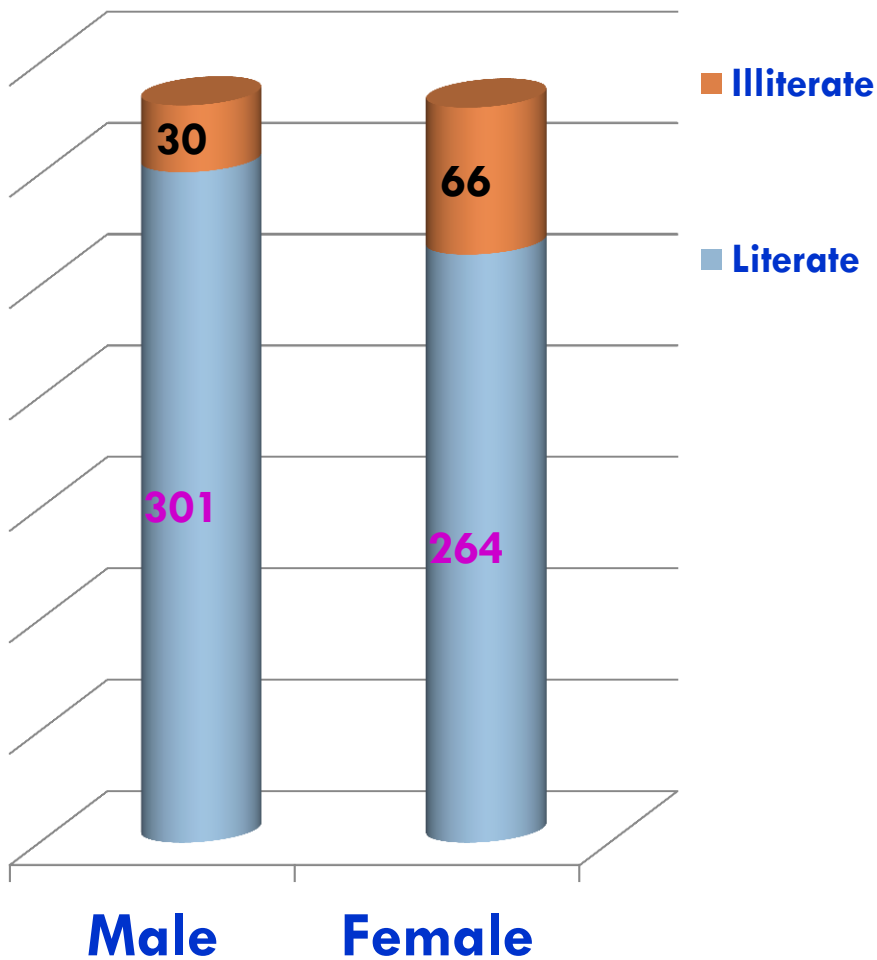
| Factor | Total | Male | Female |
|----------------------|-------|------|--------|
| Population (2001) | 544 | 300 | 244 |
| Population (current) | 661 | 331 | 330 |
| Literate Population | 565 | 301 | 264 |

- Literacy Rate- **85.48 %**
- No: of Households- **110**
- APL- **74** families, BPL- **46** families
- Community categorization: ST- **75%** SC- **15%**
Others- **10%**

Social Map



Literacy- Gender wise



**Caste-wise distribution
Population (%)**



Rapport building...





Budding Friendships...



Jirona

- “Very beautiful”
- *Balapur-Gojirona*
- Historical Importance



The Village of Jirona



Jirona

Rajaram
Gangadhar
Kolewad -
BDO, Bhokar
Taluk



Timeline

| Year | Event | Year | Event |
|------|------------------------------------------|------|--------------------------------------|
| 1966 | Classes for children in the local temple | 1980 | Electricity |
| 1980 | Jhirona becomes a Panchayat | 1989 | Panchayat Samiti Office |
| 1989 | Lower Primary School Building | 1994 | Anganwadi |
| 1995 | Television | 2000 | Ration Shop |
| 2002 | Bus facility | 2003 | Bt COTTON, Minor Irrigation Measures |
| 2003 | Road Construction | 2005 | Drainage System |
| 2009 | Solar Energy | 2010 | DTH |
| | Mobile Phones | | |



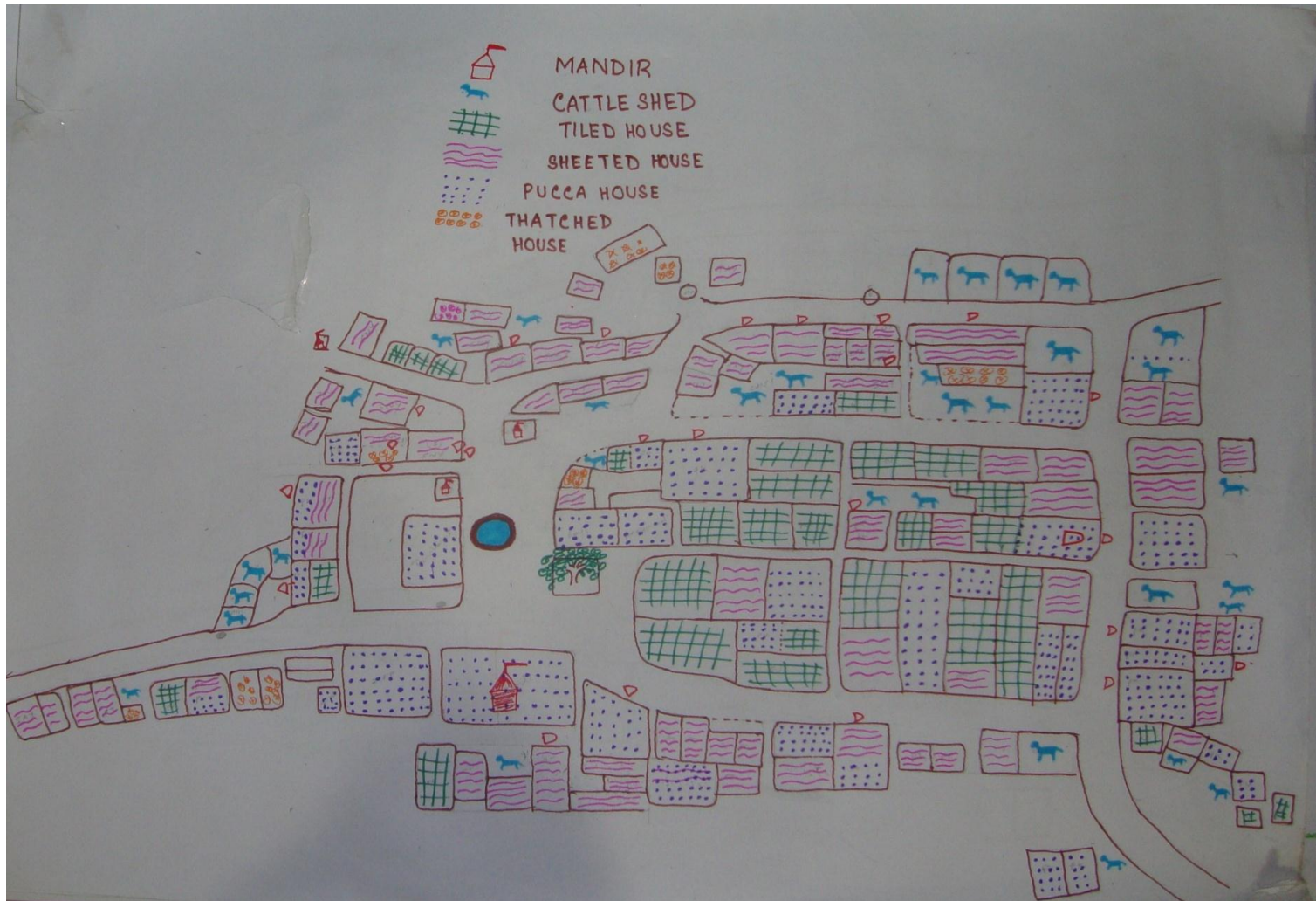
Transect Walk...



Transect Walk

| Feature | Non Residential Area | Residential Area |
|----------------------|--------------------------------------------------------------------------------------|-----------------------------------------|
| | | |
| Soil Type | Black Soil | |
| Topography | Undulated | Flat |
| Agricultural Crops | Cotton, Soyabean, Jowar, Pulses- Moong, Tur, Channa, Wheat, Mirchi, Vegetables | - |
| Trees | Teak, Sal, Sisam | |
| Types of houses | - | Thatched Tiled Terraced |
| Domesticated Animals | | Cattle, Buffalo, Goat, Hen, Dog, Cat |

Different Housing Pattern



Transect Walk

| Feature | Non Residential Area | Residential Area |
|-------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Water Resources | Dug wells, Bore wells, Farm pond | Bore well, Drinking water supply through pipes to every household |
| Drainage Pattern | | Individual toilet in every household, Complete Planned Open Drainage System Coverage |
| Energy Sources | | Electricity total household coverage, Solar panels backed Street Lighting |
| Problems | Lack of Irrigation, Dependance on Monsoon, Low Profit, Labour Wages | Livelihood of assetless population, Lack of medical facilities, No high school, Gender issues |
| Opportunities | Minor Irrigation Tanks/ Check Dams/Oxbow lakes/ Animal Husbandary | Self Help Groups/ Women Empowerment/ Social Security of the elderly population |

Resource Mapping

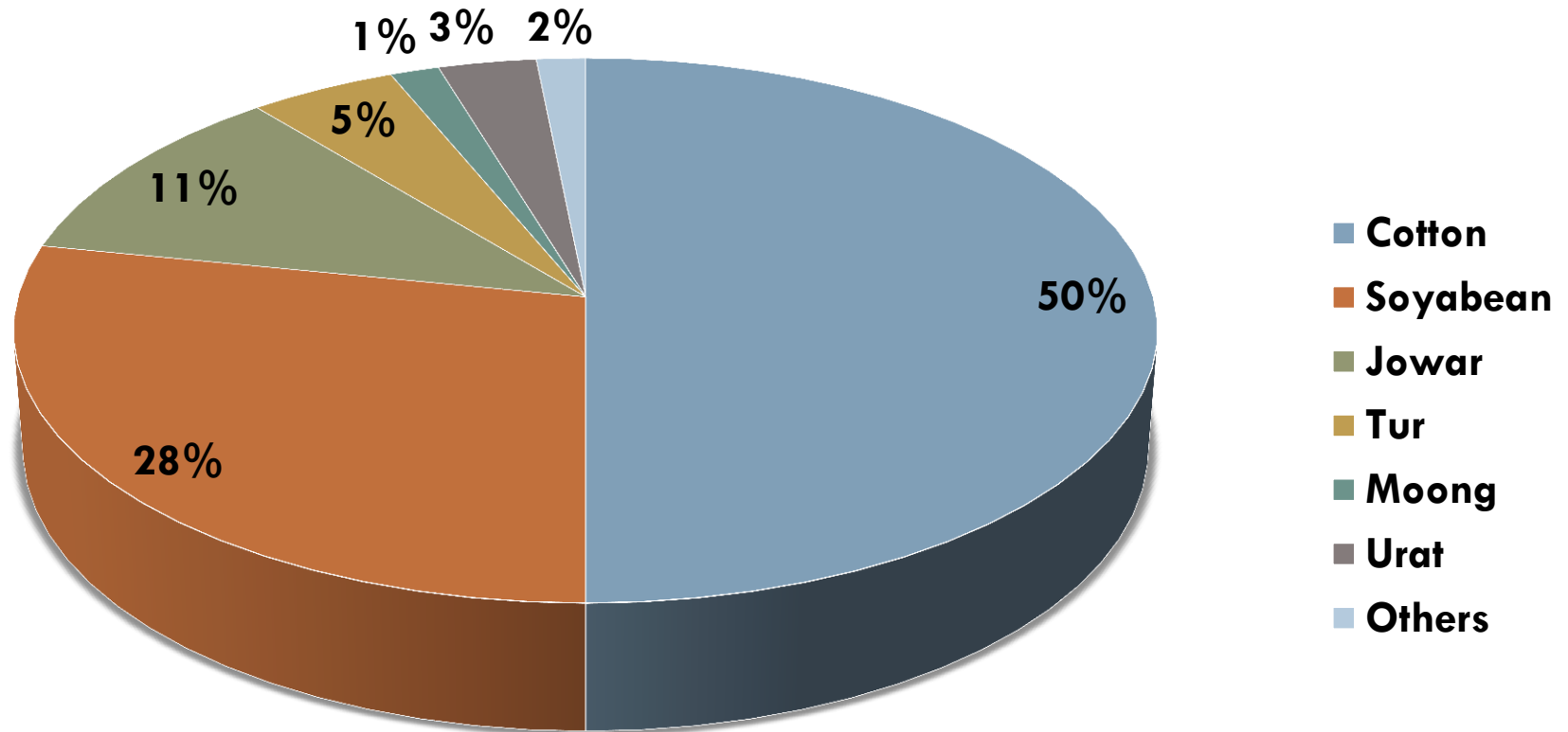




Crop crops crops...

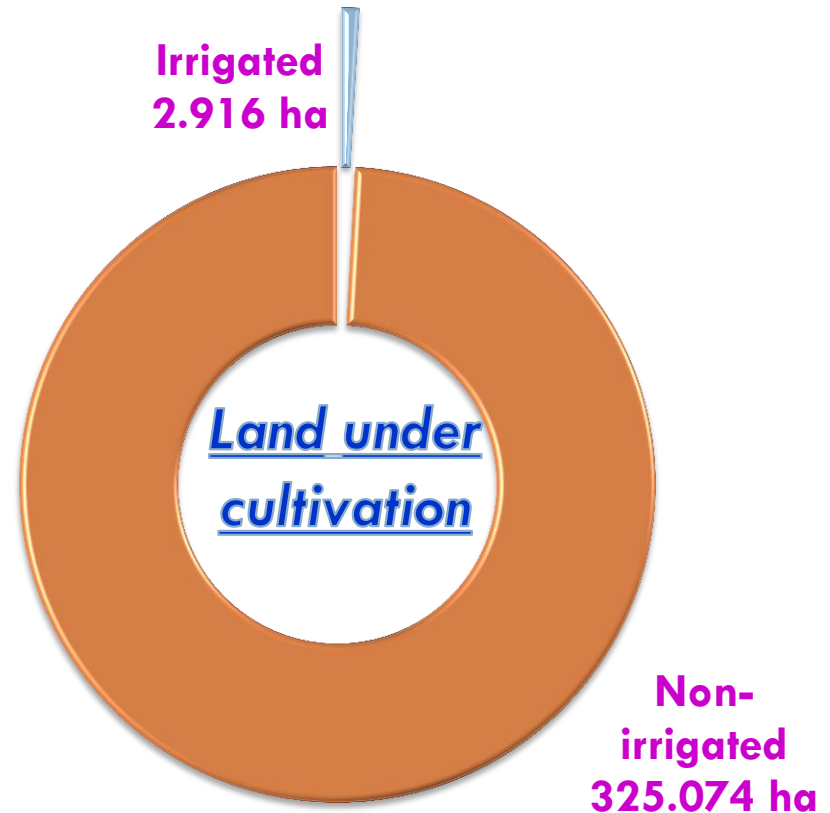


Area Distribution of Kharif Crops



Cultivated Land

- Mainstay- Bt Cotton: 5-6 quintals per hectare
- Average Landholding Size: 4 hectares





Animal farm!



200



225



380

Livelihood Pattern

- Agriculture- Land owners- 80%
- Agriculture- Assetless Labourers- 15%
- Government Service- 5%
- Industrial labourers- Cotton factories, Sugar factories, Brick kiln, Construction
- Animal Husbandry
- Private employment/Petty business
- Tailoring

Seasonal calendar

| Activities | June | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | March | April | May |
|------------|------|------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|
|------------|------|------|-----|-----|-----|-----|-----|-----|-----|-------|-------|-----|

FARMING ACTIVITIES

Cotton



Jowar[R]



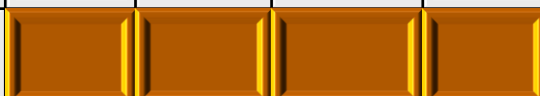
Soyabean



Jowar [K]



Channa



Vegetable

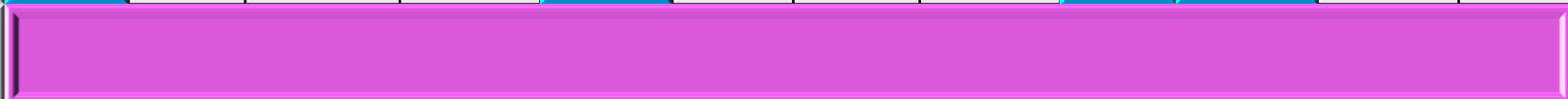


LIVESTOCK

Vaccine



Deworming



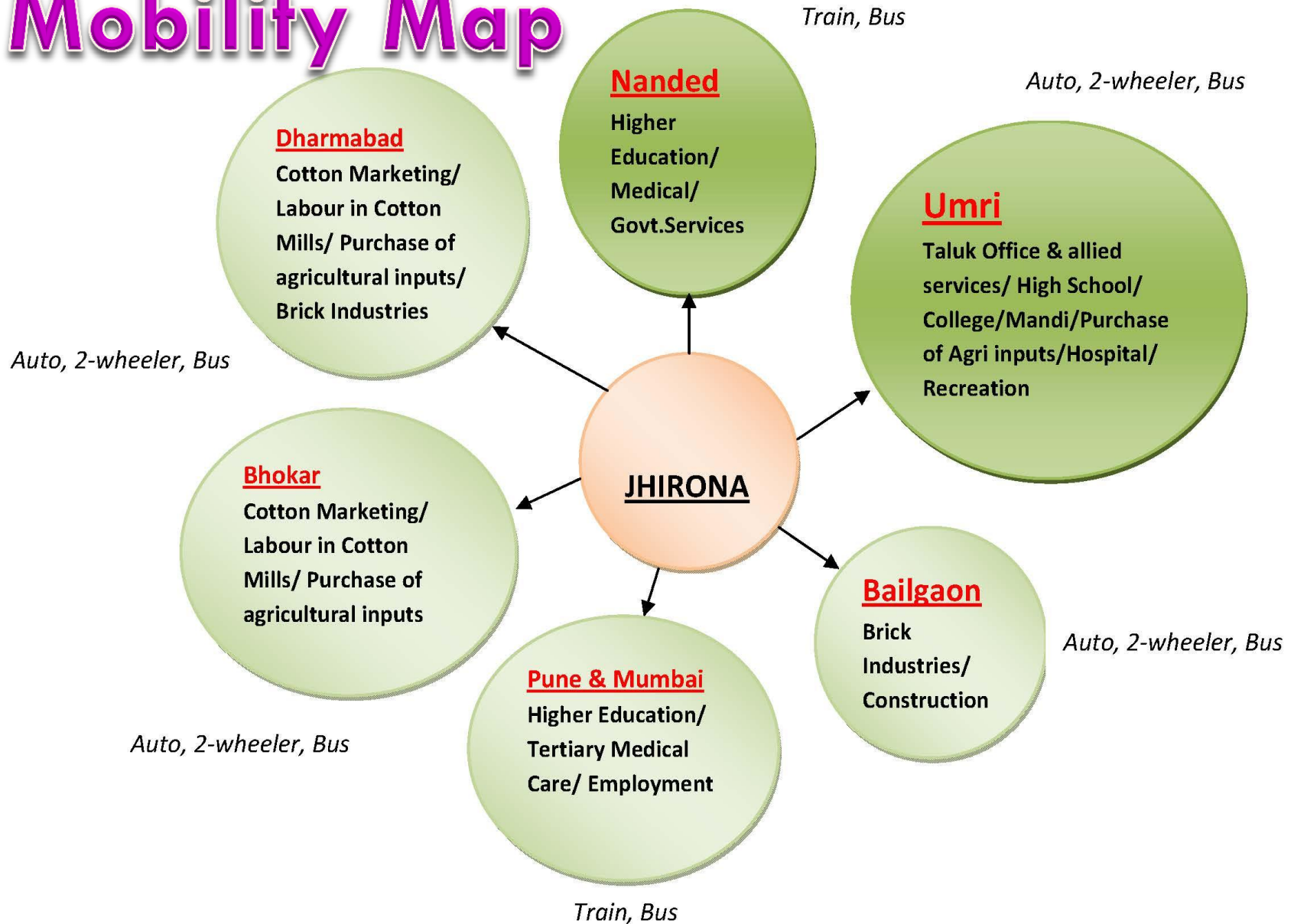
AI



Livelihood flow analysis

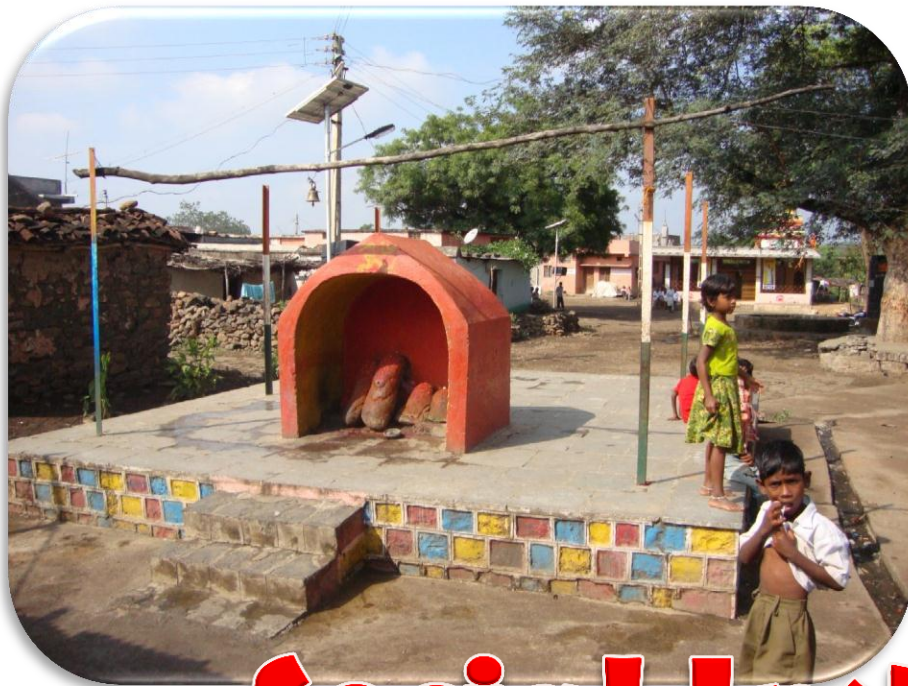
| Activities | June | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | March | April | May |
|-------------------------------|----------------------------------------------------|------|-----|-----|-----|-----------------------------------------------------------------|-----|-----|-----|-------|-------|-----|
| FARMING ACTIVITIES | | | | | | | | | | | | |
| Cotton | | | | | | | | | | | | |
| Soyabean | | | | | | | | | | | | |
| Kharif Jowar | | | | | | | | | | | | |
| LIVELIHOOD OPTIONS | | | | | | | | | | | | |
| Land Owners/ Big Farmers | Agriculture and Animal Husbandry | | | | | | | | | | | |
| Land owners/ Small Farmers | Agriculture and Animal Husbandry | | | | | Animal husbandry/Agriculture labour/Cotton industry | | | | | | |
| Landless labours | Agriculture labour, | | | | | Agricutre labour/Cotton mills/Brick industry /Construction work | | | | | | |
| Others | Govt. Service/ Private Employment/ Self Employment | | | | | | | | | | | |

Mobility Map



Issues & Concerns

- ❑ Continued dependence on Monsoons
- ❑ Lack of Irrigation Facilities
- ❑ Small Land Holdings
- ❑ Lack of Profit from Livestock
- ❑ No livestock health centre in vicinity
- ❑ No livestock insurance
- ❑ Low Labour Wages
- ❑ Season migration during non agricultural season



Social Institutions...





Social Institutions...



Administrative Scenario

- Gram Sabha- active participation
- Gramsevika
- Kaka Sarpanch, Sarpanch, Upasarpanch
- Tahsildar
- BDO- Umri
- District Magistrate- Nanded



Central Government Sponsored Schemes

- National Rural Health Mission(NRHM): **ASHA, JSY, ICDS**
- Sarva Shikshaa Abhigyaan
- Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA): **2 dug wells for irrigation, 2 loose boulder structure, one tree plantation and one pond of dimension 20X20**
- Backward Region Grant Fund(BRGF): **Compound wall and CC Road** have been constructed in 2010-11, **Solar lightning** for the street corners in 2011-12
- Swarna Jayanti Rojgar Sahari Yojana(SGRSY): there exists only **one** such group.
- Indira Awas Yojana (IAY): Out of the **56 IAY houses** proposed, **45** are constructed while the **rest 11** are still in process.

State Sponsored Schemes

- **Dalit Basti Sudhar Yojana (DBSY):** Improving the conditions of the Dalits by providing **road, housing and other infrastructure facilities** is the main agenda of this scheme. In this scheme, this village has also benefitted.
- **Souchalay Nirman Yojana:** Under this Yojana, the construction charge is given by the State Government while the Central Government provides the labour charge. At present, a **common toilet** is under construction.
- **Visesh Ghatak Yojana:** Under this scheme, **agricultural equipments** are being provided. Last year, 2 farmers got benefitted by this scheme.
- **Subarnamaushavi Adivasi Purna Madhyamik Sishyabrithi Yojana:** Under this scheme, the **ST students receive a scholarship**. From classes 1 to 4, they receive Rs 1000 per year, from 5 to 7 they receive Rs 1500 while from 8 to 10, and they receive Rs 2000. In the primary school, the headmaster deposits the money with the fathers' bank account for each student.

Abhiyaan

- **Paryavaran Santulit Gram Sambridhi Abhiyaan:** For keeping a **well-balanced environment**, for a period of three years. includes the construction of toilets, forestation, proper sanitation, restriction of usage of plastic less than 50 mm and the like mainly required for **sustainable development**.
- **Sant Gargebaba Swachata Abhiyaan:** A drive for keeping the village **clean**.
- **Mahatma Gandhi Tantamukti Abhiyaan:** This is a particular scheme which ensures the **decrease in the crime rate and peace of the village**. The village of Jirona got this prize last year.

Wealth Ranking

- ❑ **Purpose:** The Wealth Ranking of the village was done to have an idea regarding the **economic condition** of the people of Jirona.

- ❑ **Procedure**

A sample of ten villagers were taken and they were judged on the basis of the following five criteria:

- number of members in the family,
- income,
- agricultural land,
- whether they have any loan or not and
- Any occupation other than agriculture.

Observations

- We observed that
- On an average, there are five members in each family and at least one member in the family is engaged in some occupation other than agriculture, i.e. either the member is auto-rickshaw driver or having a small shop in the village or primary school teacher etc.
- On an average we found that people are having 5 hectare of land which is neither a very good nor a very worse situation in terms of land holding.
- In terms of income, we observed that the per-capita income per month is around Rs 1300 and hence for a single family, the monthly income comes out to be around Rs 6500.

Interpretation

- In the present inflation situation, the current income scenario of the villagers cannot be termed to be very sound; rather it seemed that they are having a hand-to-mouth condition.
- Also, more or less, all the families have loans taken from the State Bank of India for agricultural purpose.

The village definitely seems to be **ECONOMICALLY BACKWARD**



The Merchant of Venice 25/10/2015

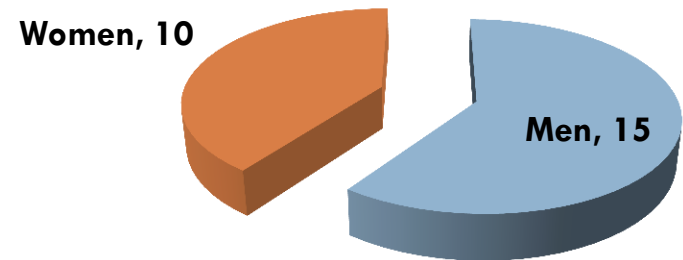
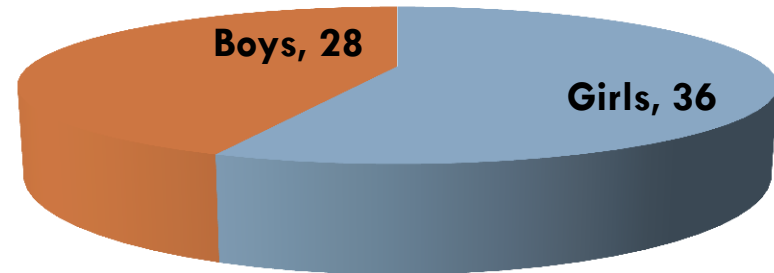
Antonio was a merchant who lived in Venice a prosperous city in Italy in those days that is about five hundred years ago sea voyages were dangerous And yet some adventurous merchants travelled across the sea some others spent a lot of money in sending ships to far away countries These ships brought back spices and other treasures from India and other countries The merchants sold these things in Europe

Learn & Grow



Education

- Student Strength: 64
- Teachers: 3
- Special children: 4
- Drop out rate: Negligible
- Mid Day Meal Scheme
- Toilets
- Adult Education: Saakshar Bharat Initiative





Issues & Concerns

- ❑ Only LP school in proximity
- ❑ No library established as yet
- ❑ No games or sports equipments/facilities
- ❑ English medium school desired by the community
- ❑ No convenient mode of conveyance to high schools or higher secondary school located farther away
- ❑ A community owned library/ reading room desired by the villagers

Health

- Average life span: 70 years
- Personnel: ASHA worker ANM- Monthly visit

Common Illnesses & Awareness

| Air Borne | Vector borne | Water borne | Life Style diseases | Reproductive |
|------------------------|-----------------------|------------------------|--------------------------------------------------|------------------------------------------|
| Common Cold ++ TB – | Malaria – Dengue – | Cholera – Typhoid – | DM? HT? Heart attack+ Stroke + Arthritis + | Family Planning++ Uterine disorders++ |

Health Awareness

Personal Hygeine + Sanitation +
Preliminary treatment of common illness+
Mode of disease transmission+ TB+ AIDS +
Health Seeking Behavior- Good

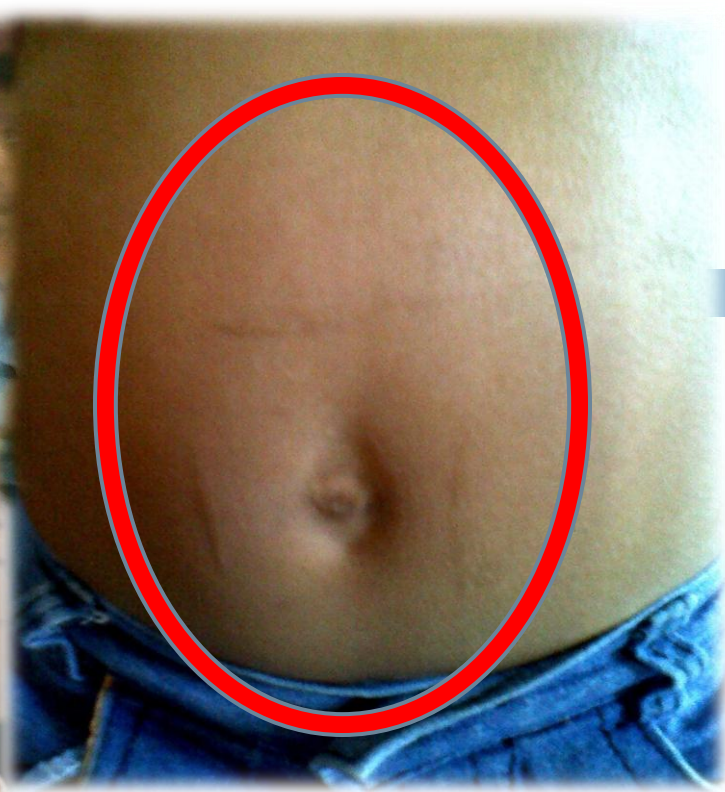


Health is Wealth!



Under 5 age group

- ❑ Institutional Deliveries ~ 100%
- ❑ Exclusive Breast Feeding upto 6 months
- ❑ Anganwadi enrollment: 0-6 years age group
- ❑ Immunization Coverage~ 100%
- ❑ Neonatal “Branding” on the abdomen
- ❑ Malnutrition prevalence- 9 out of 60 (Anganwadi data)
- ❑ Developmental disorders ~10%
- ❑ Nutritional awareness: Good
- ❑ Treatment of common childhood illnesses: Awareness+



Malnutrition Study done in Jirona

- Sample Size: 31
- Criteria: Age group under 5 years
- Methodology: Nutritional Anthropometry
 - Weight (*Salter balance*)
 - Height (*Wall measurement chart*)
 - Mid-arm circumference (*Measuring tape*)
 - Head circumference (*Measuring tape*)
 - General physical examination
 - Developmental Milestones
 - Immunization card
 - Documentation



RESULTS

Malnutrition Study

IAP CLASSIFICATION OF MALNUTRITION

| <u>Grade of Malnutrition</u> | <u>% of Expected Weight for Age</u> | <u>Number of children identified</u> |
|------------------------------|-------------------------------------|--------------------------------------|
| NORMAL | >80% | 18 |
| Grade I | 71- 80% | 11 |
| Grade II | 61- 70% | 0 |
| Grade III | 51-60% | 2 |
| Grade IV | <50% | 0 |



42%

Actual and Expected Weight of children <5 years



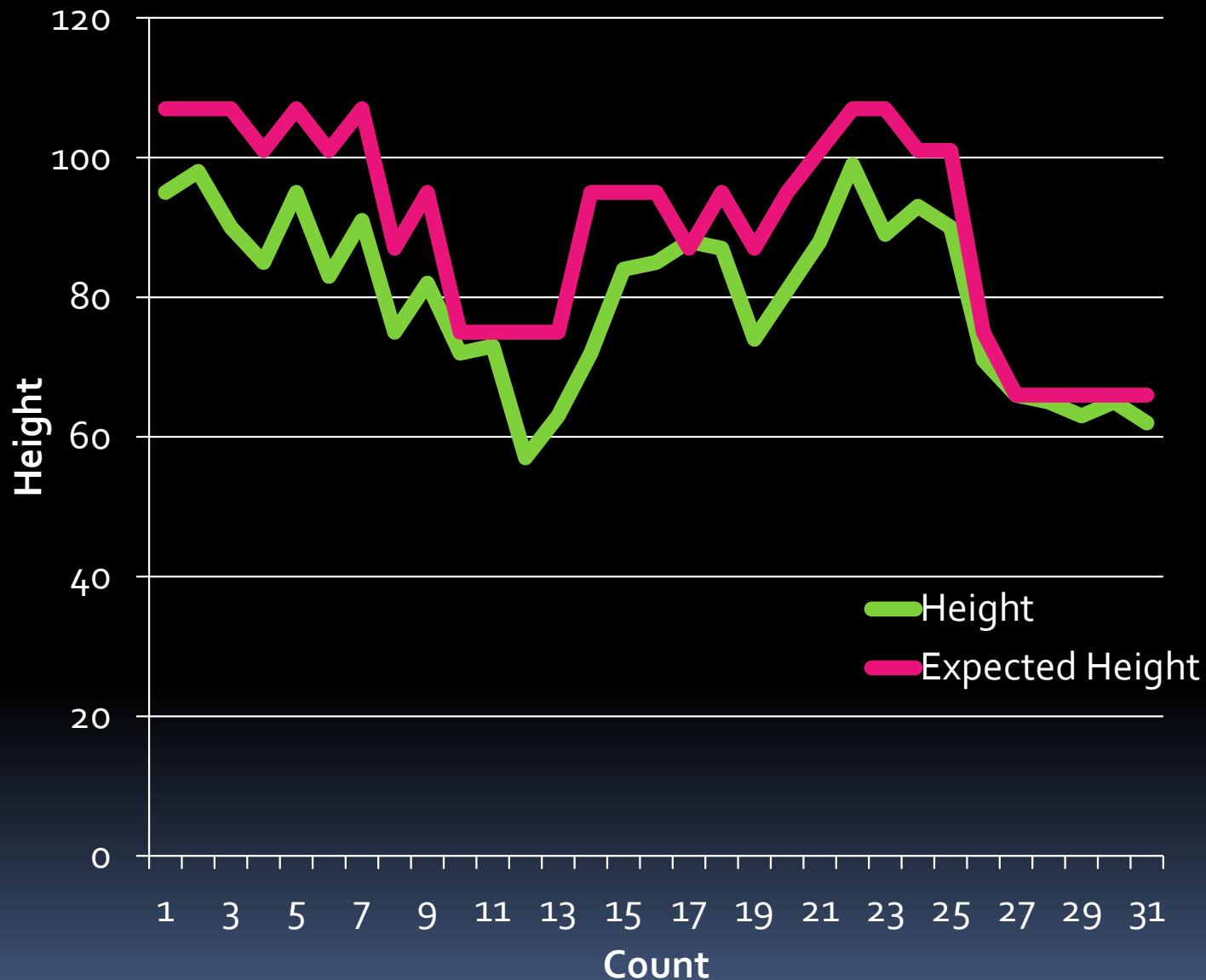
WHO CRITERIA for MALNUTRITION (long term)

| <u>Grade of Stunting</u> | <u>% of Expected Height for Age</u> | <u>Number of children identified</u> |
|--------------------------|-------------------------------------|--------------------------------------|
| NORMAL | >90% | 13 |
| Stunting | 85-89% | 11 |
| Severe Stunting | <85% | 7 |



58%

Actual and Expected Height of children <5 years



HEAD CIRCUMFERENCE

?

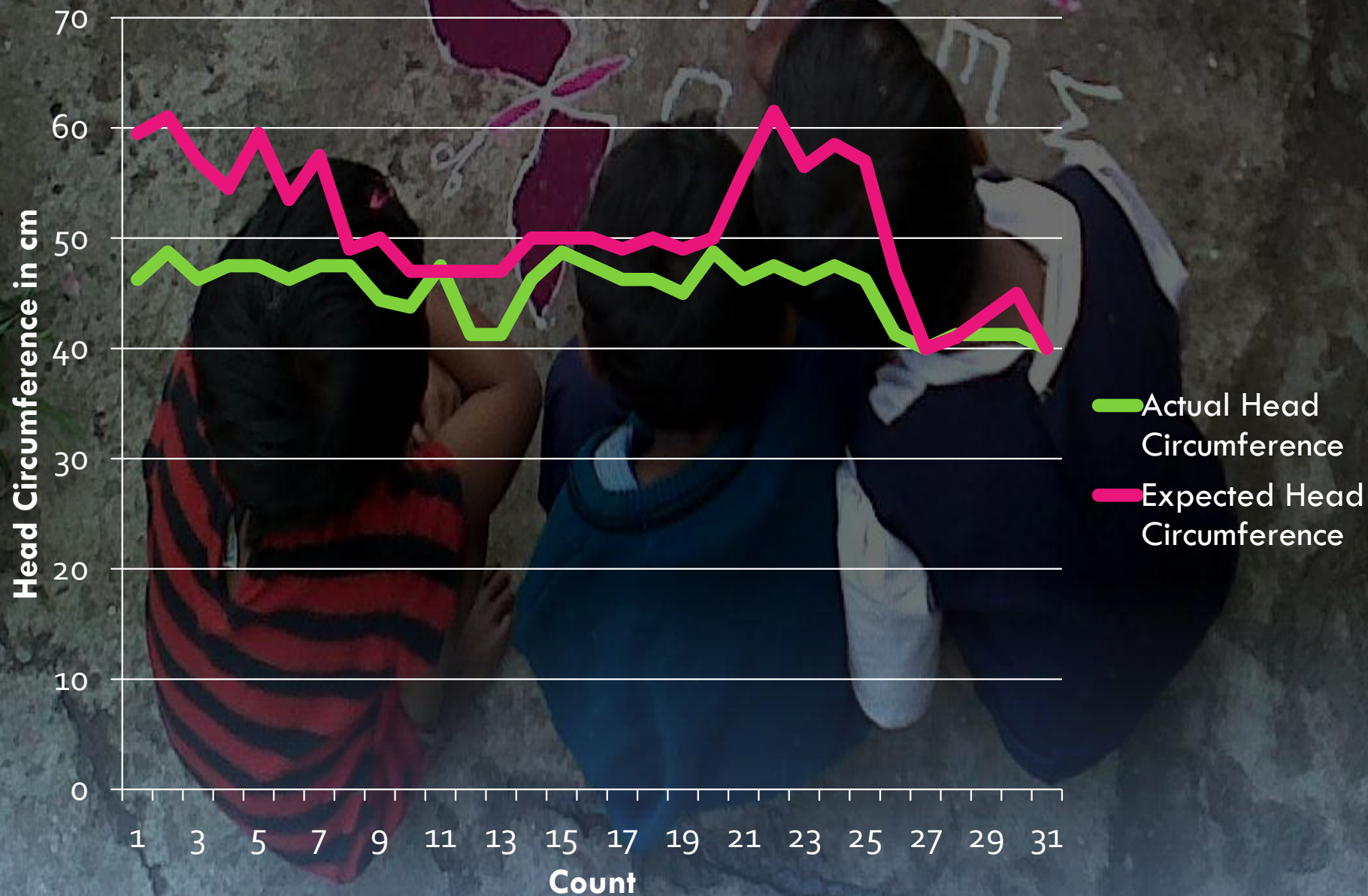
Micronutrient
deficiency

| <u>Observed values in comparison with expected measurement for age</u> | <u>Number of children identified</u> |
|----------------------------------------------------------------------------|----------------------------------------------|
| NORMAL | 4 |
| Less than normal | 27 |
| More than normal | 0 |

87%

No: of children identified with
Delayed Developmental Milestones/
Developmental Disorders:
6 out of 60 in the village

Observed and Expected Head Circumference for children < 5 years



Issues & Concerns

- ❑ Lack of medical facilities in proximity
- ❑ No frequent visits by a doctor
- ❑ Role of ASHA worker seems to be underutilized
- ❑ Health care needs of geriatric population ignored
- ❑ Periodic screening for life-style diseases to be held
- ❑ Abolish the practice of “branding” of babies
- ❑ Need for specialized medical care for children with developmental disorders
- ❑ Increased incidence of gynecological disorders to be looked into

Women's Situation

- Robust Sex Ratio
- Awareness ++
- Education ~ **upto class 10/ 12/ DEd**
- Employment: **Agricultural labour, Tailoring, Industrial labour**
- Age of Marriage: ~ **18 years**
- Personal Hygiene & Sanitation: **Good**
- Family Planning: **Popular Routine**
- Domestic Violence: **Negligibly voiced**



Under the veil...

Issues & Concerns

- ❑ Social Oppression ++
- ❑ Cultural subjugation ++
- ❑ Financial Independence- nil
- ❑ Dowry ++
- ❑ Alcoholism +/--
- ❑ Work Overload: Household & Labour
- ❑ A hall/space for women to assemble and share their problems is desired by the community
- ❑ LACK OF FUNCTIONAL SELF HELP GROUPS

Cultural Mileu

- Rangolis
- Evening Bhajans
- Marriages
- Festivals

Makar Sankranti
Shiv Jeyanthi

Gudi Padwa
Hanuman
Jeyanthi

Gowri Puja
Dussera
Diwali

AKHAADI
MIRUKH

AUGUST 15
Raksha Bandhan
Ganesh Chaturthi



Modern Technology

- Mobile phones ~20
- Television sets with D2H ~15
- Computer: One in Gram Panchayat Office
- Vehicles~ 5 motor bikes, 15 bicycles, 2 autos
- Solar energy: street lighting

Problem Matrix

| No | Problem | A | B | C | D | E | F | G | H | I | J | Total |
|----|---------------------------------|---|---|---|---|---|---|---|---|---|---|-------|
| 1 | Lack of Irrigation | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 14 |
| 2 | No Livestock Health Centre | 5 | 7 | 7 | 6 | 5 | 5 | 4 | 3 | 6 | 3 | 50 |
| 3 | Drinking Water Issues | 3 | 2 | 1 | 2 | 1 | 4 | 1 | 4 | 1 | 2 | 21 |
| 4 | No proper Solid Waste Mx system | 6 | 3 | 4 | 3 | 6 | 2 | 7 | 2 | 4 | 7 | 44 |
| 5 | No Septic Tank | 4 | 6 | 5 | 4 | 3 | 3 | 5 | 7 | 3 | 4 | 44 |
| 6 | Lack of SHG | 2 | 5 | 6 | 5 | 7 | 6 | 6 | 6 | 7 | 5 | 48 |
| 7 | Lack of Medical Facility | 7 | 4 | 3 | 7 | 4 | 7 | 3 | 5 | 5 | 6 | 51 |

Problem Ranking

- I. Lack of Irrigation
- II. Low Drinking Water Capacity
- III. No proper system for Solid Waste Management: Dumping, Septic Tank
- IV. Lack of Self-help Groups
- V. No live-stock health centre in proximity
- VI. Lack of Medical Facility

Focus group interviews

- Women's Group
- Farmer's Group
- Young Mothers
- PRI officials

Key individual interviews

- Sarpanch
- Gram Sevika
- Inspector of Police
- BDO
- ASHA
- School HeadMaster
- First Sarpanch

Happiness Index Study

| | | | | |
|----------------------------------------------------------------------------------|---------------------------------------|---------------------|--------------------------------------|------------------------|
| Name: | Sex: | Age(Years) : | Occupation : | Marital Status: |
| Family: | Number of children < 18yrs: | | Number of people > 60 yrs: | |
| How satisfied are you with your life nowadays? | | | | |
| To what extent do you feel the things you do in your life are worthwhile? | | | | |
| How happy did you feel yesterday? | | | | |
| How anxious did you feel yesterday? | | | | |
| Give five things in life which you hate most. | | | | |
| Give five things in life which you value most. | | | | |
| Remarks , if any | | | | |

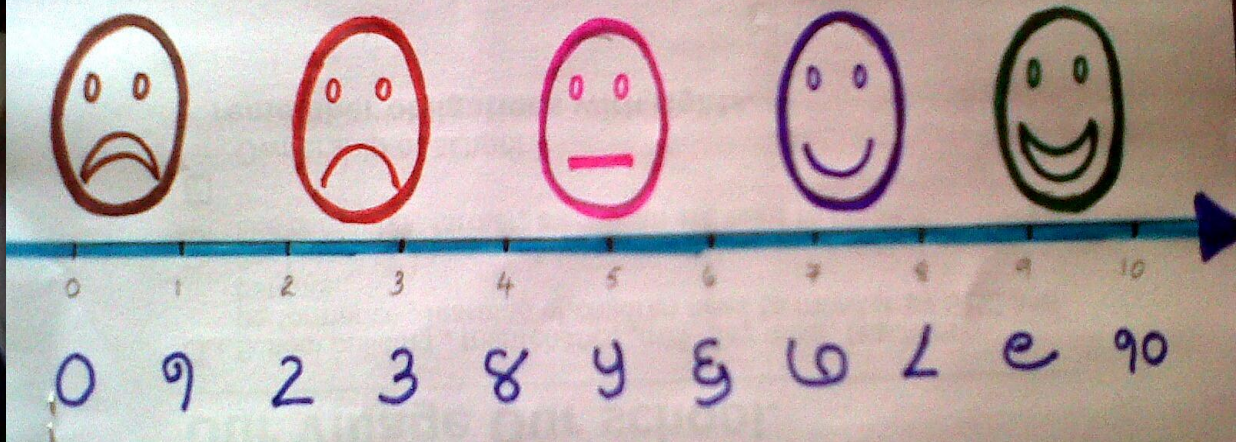
ONS Questionnaire for National Well Being



तुम्ही तुमच्या जीवनात आज काल किती सुखी आहोत ?
तुम्ही जे काम करत आहोत त्याच्यात तुमचा
किती फायदा होतो ?
काल तुम्ही किती खुश होत्या ?
काल तुम्ही दिवसभर किती विचार केल्या,
किंवा विचार केल्या नाही ?
तुमच्या जीवनात पाच महत्वाच्या गोष्टी कोठल्या ?
तुमच्या जीवनात पाच खराब गोष्टी कोठल्या ?


Questionnaire (Marathi)

Visual Analogue Scale



Accolades



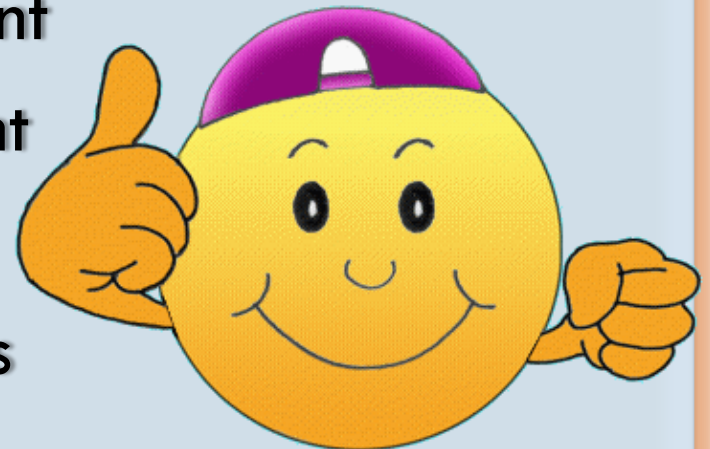
- 
- ❑ Cleanliness is next to Godliness/ Nirmal gram
 - ❑ High Priority for Education/ high level of awareness
 - ❑ Peaceful Co-existence in harmony
 - ❑ Energy resources- Solar technology
 - ❑ Community Initiatives towards development
 - ❑ Contented and Motivated People with Progressive Thinking

Recommendations



- ❑ Irrigation technologies
- ❑ Self-Help Groups for women
- ❑ Improved health infrastructure
- ❑ Animal Husbandry development
- ❑ Better solid waste management
- ❑ Needs of elderly population
- ❑ Higher education opportunities

GO FOR IT !



GOOD LUCK !





The Five of Us





Thank You