

SOMAARTH -I

Demographic Development and Environment Surveillance Site (DDESS)

The INCLLEN Trust International

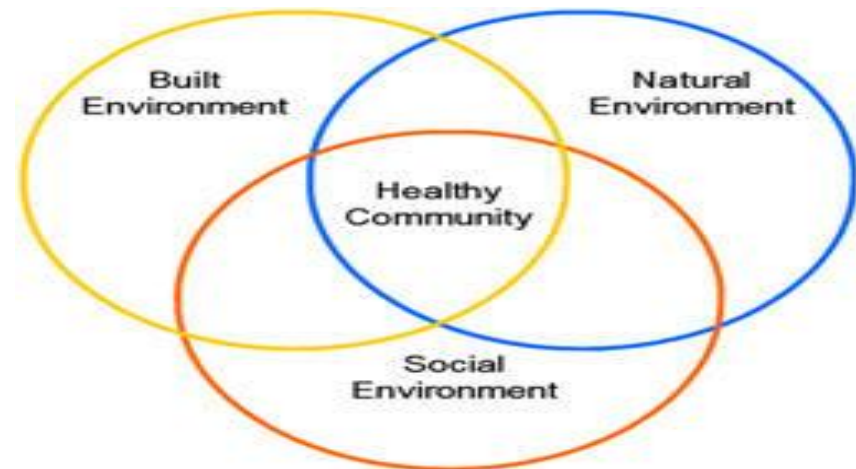
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SOMAARTH

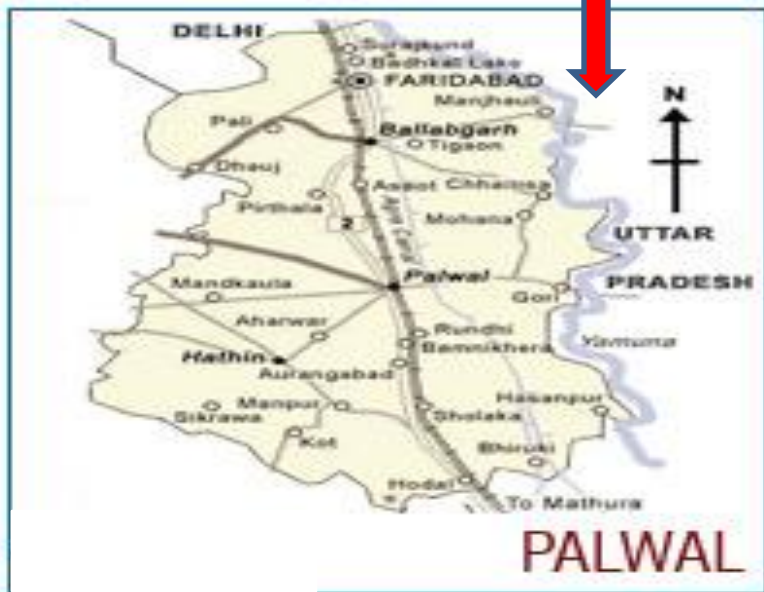
***Village- Mitrol
PO- Aurangabad
Block- Hodal
Dist- Palwal-121105, Haryana, India
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Philosophy

- To understand the impact of ***development*** and ***change in lifestyle*** on the health of communities.
- SOMAARTH ideology, envisions synergy between economic development, social changes and health of the individuals, families and communities.



SOMAARTH DDESS

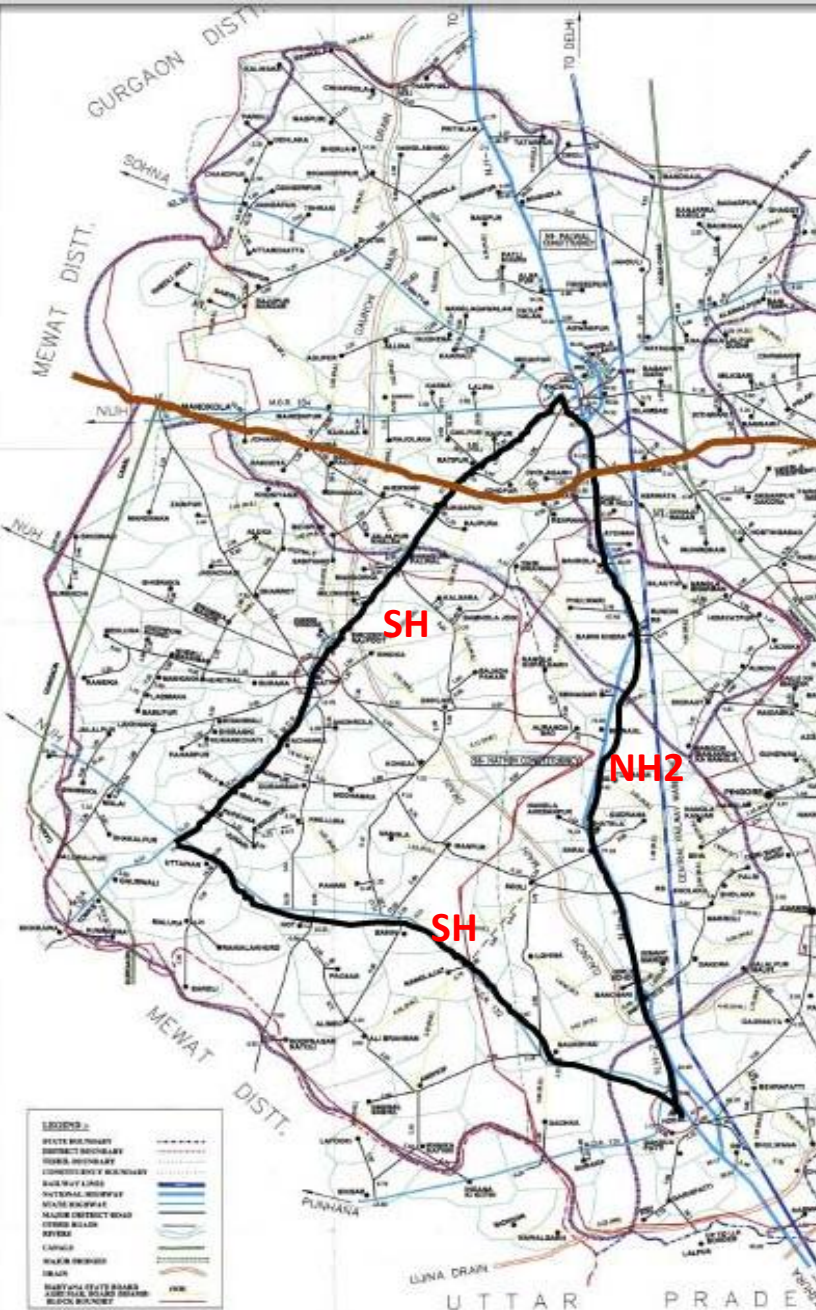




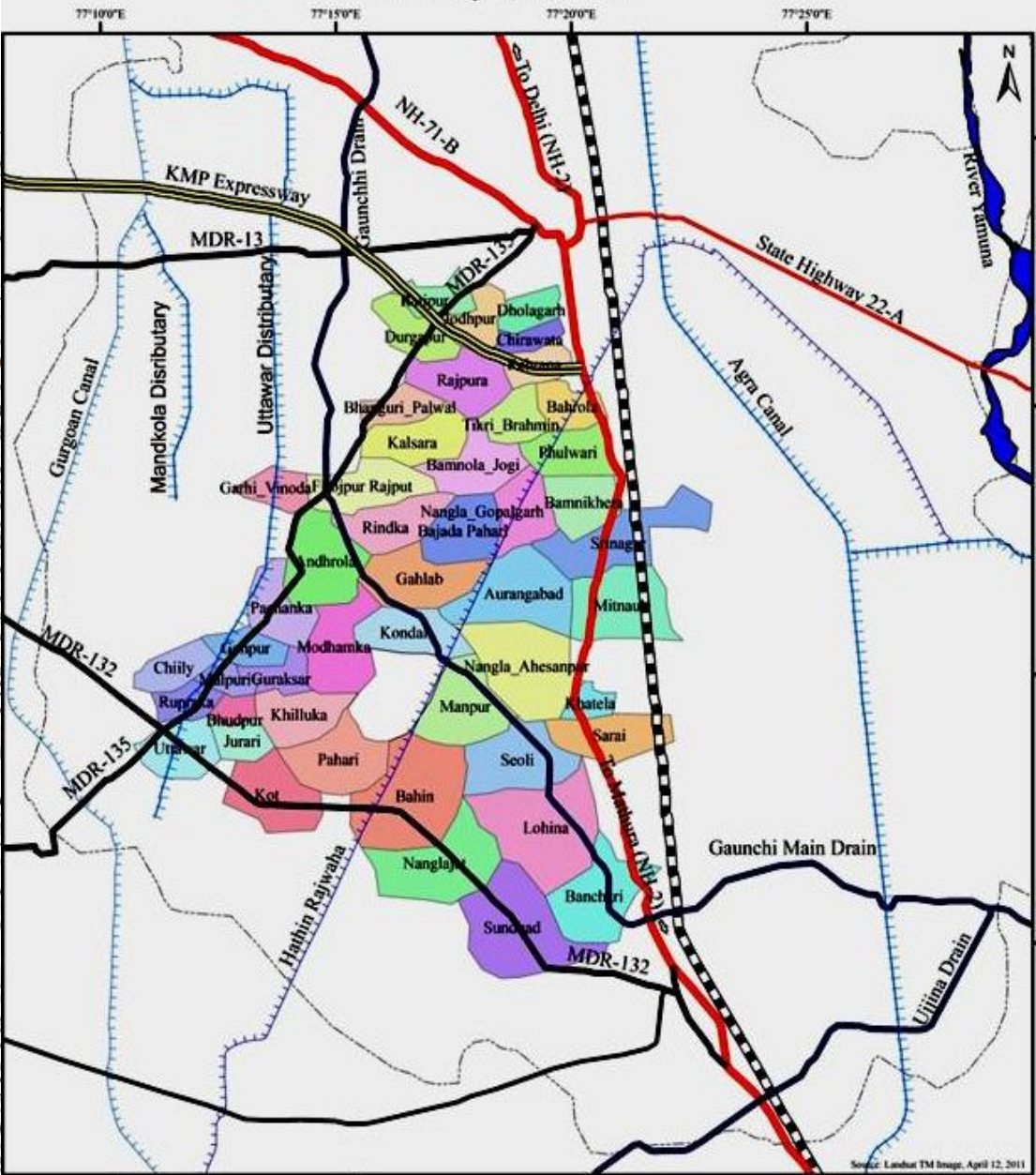
Plan for rapid infrastructure development

The 50-km Manesar-Palwal stretch will be ready by November

KMP Expressway would be approachable from five National Highways: NH 1 near Kundli (Sonepat), NH 10 near Bahadurgarh, NH 8 at Manesar (Gurgaon), NH 71B near Tauro (Mewat) and NH 2 near Palwal (Faridabad)



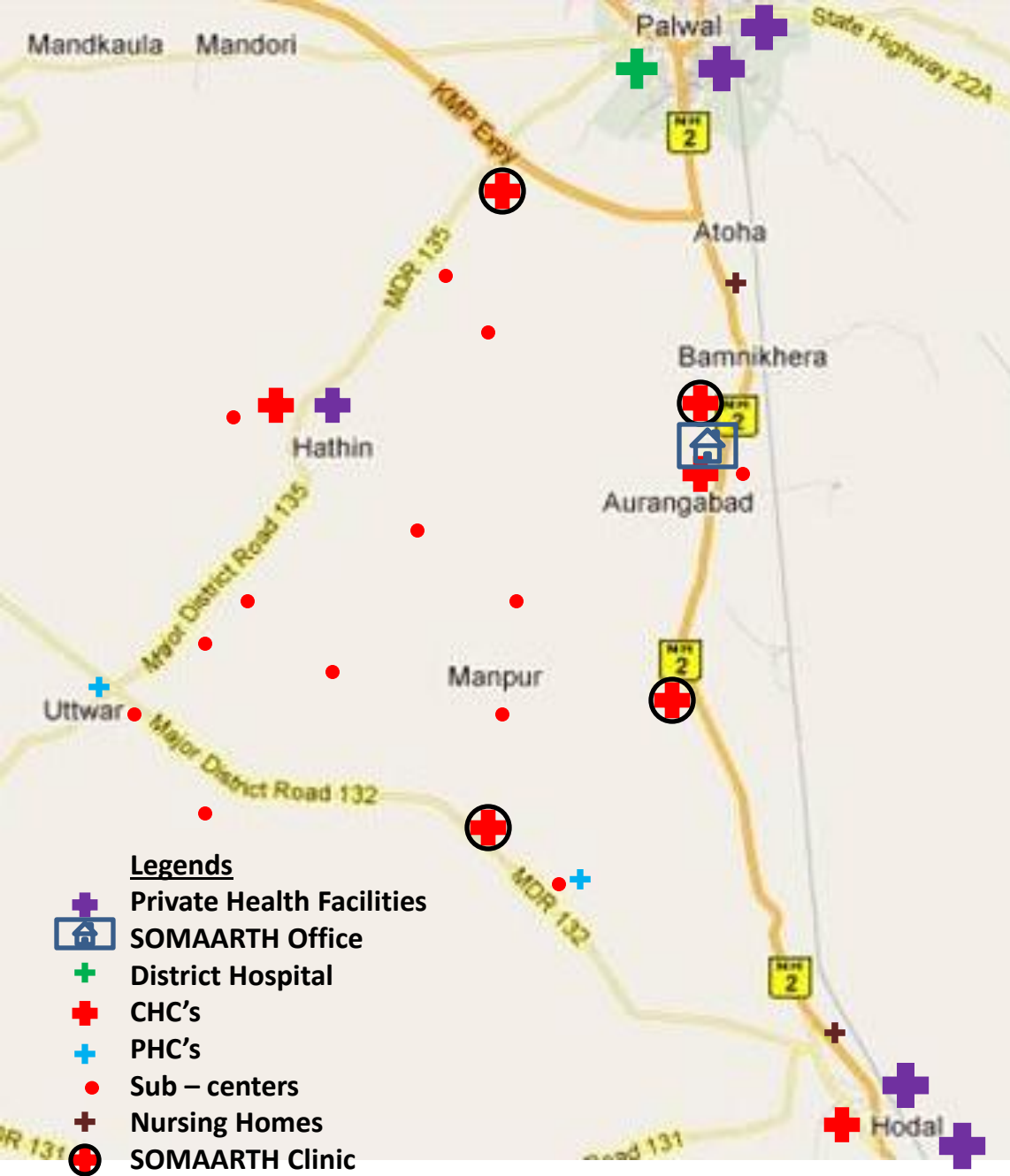
Villages under SOMAARTH Demographic & Environmental Surveillance Site



Source: Landsat TM Image, April 12, 2011

SOMAARTH DDESS

- 80 Kms from Delhi
- Site characteristics:
 - 51 Villages (~316 Sqkm)
 - 3 Blocks (Hathin, Palwal & Hodal)
 - 200000 + populations
 - No of Land Parcels: 47,125 (26417 R+18173 NR+2535 Mixed)
 - No of Households: 32, 750
 - No of Non Residential units: 19, 373
 - Dominant communities : Jats, Muslims ,Gujjars and Brahmins
 - Variation in water quality, agriculture pattern



SOMAARTH Health Infrastructure

Public health system

- District Hospital- 1
- CHCs - 3
- PHCs – 2
- Sub-centers- 12

Private health system

- Referral care facility- Palwal
- Smaller facilities - Hodal & Hathin

- Qualified practitioners - 2
- Informal practitioners – 284

- SOMAARTH Clinics – 4

Activities at SOMAARTH

- **Community linkage**
 - Community partnership model
- **Linkage with the Government and Departments**
 - Catalyze program service uptake
- **Specific SOMAARTH activities**
 - Listing and census of households
 - GIS map preparation
 - Specific projects in operation
- **Social mobilization to improve health outcomes**
 - Public Health Awareness Lectures
(SOMAARTH Jan Swasthya Sambad)

Current Status

- Listing of Land Parcels, households, and population – **completed**
- Mapping of the villages – **completed**
- Census of households – **completed**
- Geospatial Mapping
 - Map with geo-referencing of structures – **completed**
- Data Entry – **completed**
- Data Analysis – **in progress**

Â Age	Male	Female	Â Total
< 5	9766	9050	Â 18816
5<= 18	37584	32484	Â 70068
18<= 45	39861	35517	Â 75378
45 <= 60	9918	9034	18952Â
60 +	7660	7834	15494Â
Â	104789	93919	198708

Collaboration with Government of Haryana

- MOU signed with Govt. of Haryana – 2012
- Coordination mechanism at District and State level
- SOMAARTH Team is part of District Development Review Board
- Active coordination with Departments
 - ❑ District Health Services
 - ❑ District Health and Family Welfare Society
 - ❑ District Education Office
 - ❑ District Information and Public Relations Office
 - ❑ District Agriculture Office

Currently ongoing projects

- Brain-to-Society diagnostic for childhood nutrition changes:
Environment-life style-gene interaction
- Social capital, networks and correlation with body fatness:
Influence on body composition and eating behavior
- Childhood pneumonia detection using mobile based technology
- Impacts of household sources on outdoor pollution at village and regional scales in India

Completed projects

- Childhood diarrhoea due to Rotavirus in infants.
- Neuro-developmental disorders among Children
- Influence of indoor air pollution on pregnancy outcome and newborn
- User- friendly Amoxicillin DT packaging for treating childhood pneumonia

Key Features of SOMAARTH



- **Enumeration of physical environment**
 - Not limited to only household survey
 - Includes non-residential structures
- **Digitized Mapping of physical environment**
 - Agricultural/non-agricultural land
 - Water bodies
 - Built environment
- **Linking physical environment with health and socio-economic parameters**
- **Use of novel data capturing and management process**
- **100 % paperless system (from 2015)**
 - Data collection on android tablets

SOMAARTH



Activities at SOMAARTH



Data Collection in Field



Clinical and Laboratory Services



Community Engagement and Meeting



Visitors at SOMAARTH



The SOMAARTH Team





Thank You