Project - EcoEyes (ईकोदृष्टि): Creating Youth Leadership Group for Conserving the Water Ecologies & Promoting WaSH in Southern Districts of Haryana

Project Completion Report

[Draft submitted for NCSTC Technical Advisory Committee, Madurai, June 3rd 2018]

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PART 1: EXECUTIVE SUMMARY

Poor conditions of water, sanitation and personal hygiene are the serious health and development challenge for our country. Promoting evidence based consciousness and decision making at the community level could play a very vital role in achieving faster improvements in the water, sanitation and hygiene conditions. The National Sanitation, and Hygiene Advocacy and Communication Strategy Framework for 2012–2017 given by the Government of India, calls for building contextual knowledge and perceived importance of sanitation and hygiene practices in different areas of the country for creating better interventions towards achieving the clean India targets.

In this context and for its public health interest, The INCLEN Trust International with the support from National Council for Science and Technological Communication (NCSTC), Department of Science and Technology (DST) organized a 22 months long (June 2016- March 2018) EcoWaSH awareness and literacy project entitled 'EcoEyes: Creating Youth Leadership Group for Conserving the Water Ecologies & Promoting WaSH in southern districts of Haryana. The EcoEyes program aimed at improving water, sanitation and hygiene in rural areas of Palwal and Nuh (erstwhile Mewat) districts of southern Haryana, through developing integrated perspectives of ecology based WaSH in the local youth and preparing them as agents for bringing behavioural change in the community. Towards achieving this goal an innovative package for capacity building covering classroom sessions, in situ ecological assessment (including land, water, forest and human resources), geospatial mapping of WaSH infrastructure and spots of environmental concerns i.e. unsafe solid and liquid waste disposal in rural areas was prepared and local youth were trained. Key skills imparted to the youth involved methods for conducting Participatory Rural Appraisals, Geospatial mapping, Geotagging of field photographs, holding EcoWaSH dialogues with the community and monitoring of the EcoWaSH within the villages. The youth who were found very active during the training program were given opportunities for enrolling in 3 months long EcoWaSH internship program. Trained youth were encouraged to create a brigade of volunteers and actively engage in village level activities conducted under ongoing Swachh Bharat Mission- Gramin (SBM-G) program.

Total 94 youth (male- 83 female-11) from 84 villages of 5 administrative blocks Hodal, Hathin, Palwal, Hasanpur, and Punhana respectively from Palwal and Nuh districts were trained under the EcoEyes program. Trained youth are working with the district administration and panchayats and supporting the SBM-Gramin village level activities. As a result of intensive efforts made by the local administration and support provided by the local community during the last 2 years villages have recorded stark improvements in achieving the Open Defecation Free (ODF) status (40%- 70 % +ve change). Total 84 panchayats covered under the project were given village Eco maps depicting village water and sanitation infrastructure and location of environmental harmful areas. These Eco maps will become very useful resource for planning and prioritizing solid and liquid waste management activities to be undertaken in the villages as envisaged in government's ODF Plus initiative (SBM –G).

Total approved cost of the EcoEyes project was Rs 9, 83,000 and project started from 1st June 2016 till 30th May 2017. The revised date of project completion was 18th March 2018.

Organization and management aspects

The training program was jointly implemented by NCSTC and The INCLEN Trust International. Total 7 training sessions (including 1 training of trainers), each spanning for10 days, inviting 15-20 youth were organised under this initiative. EcoEyes program enrolled 6 very active youth for 3 months long EcoWaSH internship program. Cost of training workshops including 3 months stipend to the six EcoWaSH interns and salary of 1 Geographical Information System (GIS) research associate was covered within the project budget while salary of Principal Investigator and other logistics such as meeting hall of SOMAARTH DDESS office, GPS device used in project etc. were supported by the INCLEN. Project was executed under the mentorship of the Executive Director of The INCLEN Trust International.

Physical Progress

Objective wise project output is shown in the table 1. The reference column indicate the output location.

Sl No.	Objectives	Output				
1	Development of training curriculum based on the principle of EcoWaSH through nexus planning and participatory geospatial communication tools	Training module covered topics on environment, ecology, water, sanitation, water borne diseases, behaviour change communication, sustainable development goals, Clean India program (Swachh Bharat Mission) along with the field activities covering field observation visit, participatory rural appraisal, spot mapping exercises, community dialogue on identified ecological issues highlighted on maps				
2	Training of youth brigade	see Table 2				
3	 Encouragement and facilitation of trained youth brigade to function as 'EcoEyes' for their villages and the district. a. Development of village specific EcoWaSH framework and assess local WaSH issues. b. Community engagement for promoting water hygiene and conservation, personal and environmental cleanliness and eliminating open defecation 					
4	Exploring the possibilities for engaging trained youth for the collection of evidences on the EcoWaSH spatio-temporal	Conducted liquid and solid waste spot mapping				

	variability for scientific demonstration of the prevailing ecological disturbances in relation with water borne diseases in rural areas.	
5	Leverage Swachh Bharat Mission (Context Nirmal Gram Yojna) activities for sustainability of the EcoEyes framework.	EcoEyes engagement with the Swachh Bharat Mission- Gramin district level functionaries

All the components planned under the project are completed.

Tab	Table 2: EcoEyes training details							
Sl No	Activities (Trainings)	Training venue	Number of Trainees enrolled	Number of trainees completed training				
1	Training of trainers	SOMAARTH DDESS, Palwal	15	13				
2	Training1	Office of Block Development Officer, Punhana, Nuh	15	14				
3	Training 2	Government Polytechnic, Uttawar, Hathin, Palwal	15	12				
4	Training 3	Government College, Hodal, Pawal	17	17				
5	Training 4	SOMAARTH DDESS, Pawal	15	11				
6	Training 5	CCTraining Centre, Punhana, Nuh	15	13				
7	Training 6	SOMAARTH DDESS, Palwal	16	14				
	Total		108	94				

Community engagement

Community engagement was one of the most important component of the EcoEyes project. The core project team had rounds of meetings with community leaders and key informants of the study villages. Initial discussions were held with the Sarpanch (elected village head) and Panchayati Raj Institution members wherein they were briefed about the purpose of the EcoEyes program. These community meetings helped us to understand the socio cultural dynamics of the village. Key information gathered through these meeting included number of educational facilities, main occupation, water source, main illnesses, number of health facilities, anganwadi centers, main crops, shops, food habits, fuel for cooking, transportation facilities, sanitation/toilet facility, caste, built structure (Kacha/Pakka houses). List of potential candidates both male and female from the village was made in consultation with village key informants. All the potential candidates were called for interview at SOMAARTH DDESS, office. One youth from each of the target village was selected after face to face interview. Training program was organized in village located within the study cluster. After the completion of geospatial mapping EcoEyes and project core team again visited the community along with the Eco maps. Through the process of community engagement, solutions for improving the personal and environmental cleanliness, eliminating the open defecation and promoting the water conservation along with the other ecological challenges faced by the villagers were invited from the community. Eco maps helped sarpanch and Panchayati Raj Institution members to identify

the dirtiest area of their village and provided evidence tool for developing collaborative plans to clean the village.

Achievement /outcome

EcoEyes training program organized total 7 training sessions from June 2016 to March 2018. All the training sessions were conducted in local (Hindi) language. Training program covered classroom sessions, field observations, participatory rural appraisal and participatory mapping. Sessions held in the classroom included lectures on environment, water, sanitation, water borne diseases, behaviour change communication, sustainable development goals, Clean India program (Swachh Bharat Mission). Field activities included one day field observation visit, 3 days visits for conducting PRA and mapping exercises and 1 day visit to villages for discussing the ecological issues highlighted in villages. Total approved cost of the project was Rs 9,83,000 and date of start of the project was June 2016, the target date of completion was March 2018.

Conventional Information Education Communication (IEC) initiatives in the country are not using Geospatial media in WaSH promotion. It was believed that youth trained as EcoEyes equipped with skills for conducting geospatial tools based environmental assessment and Eco dialogue may become a catalyst in mobilizing WaSH activities. Direct monitoring of rural areas which are far from district headquarters pose a challenge in front of administration and program managers. The new force of youth created though EcoEyes project is working with the village level sanitation activities and significant improvements has been achieved in the construction of toilets and making villages Open Defecation Free. There are number of key achievement of the project such as

- EcoEyes demonstrated the usage of Geospatial tools in EcoWaSH assessment, monitoring and management.
- Six EcoEyes villages got cleanliness award from the district administration. Swachta Nigrani committees were strengthened in total 24 villages.
- Encouraged by the EcoEyes Siroli villages of Punhana, Nuh created *Jal Samiti* for management of water issues in their village. This is remarkable achievement as Jal Samiti (water management committee) of Siroli village of Punhana, Nuh is the first water management committee in the entire area.
- Construction of household integrated toilets (HHIT) increased in the target villages from 40 % to 70% in 12 months time period.

Socio scientific impact

Not much work has been done on quantitative measurement of the waste issues in the rural areas of our project. EcoEyes project attempted to map water and sanitation infrastructure of the villages and spots of harmful environment in terms of unsafe disposal of solid and liquid wastes. This exercise revealed that on an average, a village of 1000-1200 population had 150- 200 spots of extreme harmful

environment due to the unsafe disposal of solid wastes (organic and inorganic both) and areas of water stagnation. Per capita waste density was higher in the pockets where houses belonging to the socially and economically disadvantaged population are dominant and waste mounds are very close (<5 m) to houses of poor and deprived communities. The nutritional status (thinness and stunting) of children in the age group of 6-12 years was associated with the proximity to the waste spots. During the 4 months of epidemic season (May-August), almost every family had at least 1 patient of diarrhoea every day. Spatial distribution of solid and liquid waste also revelled spatial clustering. It was found that the Hathin block of Palwal had maximum number of solid and liquid waste spots followed by Hodal and Palwal blocks (table 1).

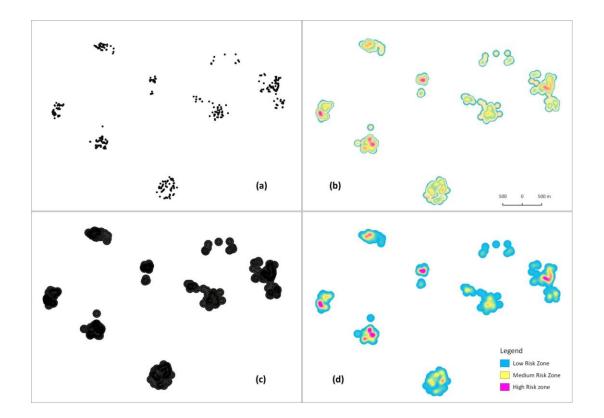


Fig. 1: Spatial clustering for identification of harmful environment

(a) plots of the original liquid waste (LW) spots point (b) visualization of LW spots using a heat map function, (c) rendering, due to occlusion it is difficult to detect high risk zones, (d) heat map showing liquid waste clustering.

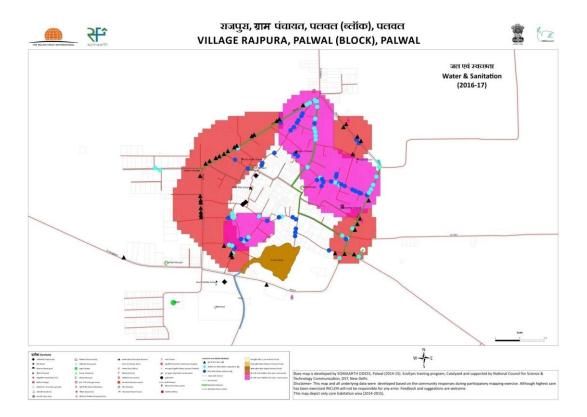


Fig.2: Eco map, Rajpura village, Palwal (2016-2017)

The dark pink color represent the liquid waste high risk zones and red color shows the solid waste high risk zone. Blue dots represent the location of liquid waste spots and black triangle represent the location of solid waste spots.

Tab	Table 4: Key priorities identified through PRA and village trasect walk									
	Eco-WaSH Assessment									
Sl No			Land Resources (N-84)		Forest and vegetation (N-84)		Human resources (N-84)			
	Key indicators	N	Key indicators	Ν	Key indicators	N	Key indicators	N		
1	No boundary around the water bodies to protect them from non- point pollutants	216	Rapid expansion of built up area of villages	51	Any forest in or around the village	14	Facing acute water crises	65		
2	Water bodies were used for solid waste disposal	215	Utilization of fertilizers for increasing the land productivity	79	Wood as a main fuel for cooking and other usage	81	Water bodies as main health hazard	63		
3	Untreated liquid waste disposed in the water bodies	215	Mining of soil/ brick Klink in within the village	8	Uncontrolled tree felling	29	Water borne diseases as main health problem	77		

Key Ecological priorities identified through Participatory Rural Appraisal

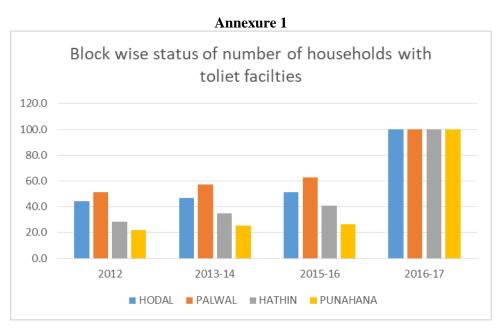
Follow up action at the end of project

As an output of EcoEyes training program, Eco maps depicting village roads, landmarks, water bodies, water and sanitation infrastructure and spots of solid and liquid waste disposals were disseminated to the village *Sarpanch* (elected head of village local body). All the villages of Haryana have achieved the status of open defecation free (ODF) by achieving construction of toilets for all the households (annexure1). Ecomaps will prove to be very useful resource in planning activities under the ODF Plus program of district administration under Swachh Bharat Mission- Gramin (SBM-G). EcoEyes project has provided very useful insights about the village ecology. INCLEN is planning to create a virtual forum including water sanitation technical experts (WaSH institute, NIRD, GtZ, NCSTC, MoDWS, IIT Delhi) to get guidance on implementation of WaSH solutions. These expert panel will be connected with the local bodies through Skype video calling facilities. Various donors are being approached to support scaling up of the project. We also want to develop a training module for ODF Plus program.

Points needing attention

Key challenges

- EcoEyes trainings were organised through a targeted approach i.e. training sessions were held locally wherein trainees who were selected with a criteria of one from one village were invited. Targeted trainings approach proved to be successful in reaching to the maximum number of villages and providing each village at least 1 catalyst for bringing improvements in WaSH conditions but we realised that this type of criteria for selection of trainees require higher amount of time and effort by the project team.
- 2. Organizing trainings at Gurugaon and Faridabad districts with the similar approach posed difficulties as youth were reluctant to attend 10 days long training program without any direct cash benefits. It was observed that youth of these areas were either engaged in regular studies or they were doing some secondary or tertiary work. Provision for incentives based on the output will make youth more accountable towards their drives.
- 3. We realised that ideally the time line for such trainings should be minimum from 18 months to 24 months.



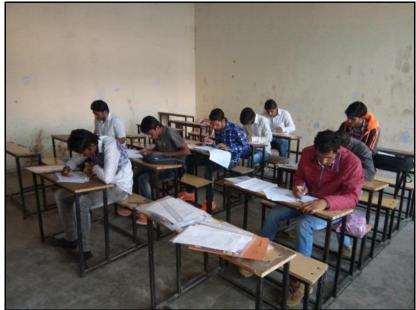
*Source; Swachh Bharat Mission, MIS, 2018

Sl	Name	Qualification	Village	District	Appeared	Attended	Completed 10
1	Parmod	12th	Ratipur	Palwal	Ŷes	Yes	No
2	Rohit	10th	Sound	Palwal	Yes	Yes	Yes
3	Mustaqeam	12th	Gulalta	Nuh	Yes	Yes	Yes
4	Shookeen	Diploma	Andhrola	Palwal	Yes	Yes	Yes
5	Mustakeem	b.com	Bhudpur	Palwal	Yes	Yes	Yes
6	Mohd.sakeel	12 th	Gulalta	Nuh	Yes		Yes
7	Pardeep	MA 1st	Phulwari	Palwal	Yes	Yes	Yes
8	Sudhir	12 th , ITI	Phulwari	Palwal	Yes	Yes	Yes
9	Harkesh	12th	Soundh	Palwal		Yes	Yes
10	Sandeep kumar	10th	Ratipur	Palwal	Yes	Yes	Yes
11	Hare kishan	12th	Sundar nagar	Palwal	Yes	Yes	Yes
12	Ashfak ullah khan	Graduate	Phardari	Nuh	Yes	Yes	Yes
13	Irfan	12th	Andhrola	Palwal	Yes	Yes	Yes
14	Surender	12th	Gopalgarh	Palwal		Yes	Yes
15	Sabir khan	12th	Jarari	Palwal		No	No
16	Rasheed latif	10th	Mohdamka	Palwal	Yes	No	No
17	Aslam khan	10th	Jarari	Palwal		Yes	No
18	Asiam knan Arshad ali	12th	Khilluka	Palwal	Yes	Yes	Yes
19		10th	Ghopur	Palwal	Yes	Yes	Yes
20	Harpal	10th	Ghopur	Palwal	Yes	Yes	Yes
21	Ram ratan	Graduation	Gurfsar	Palwal	Yes	Yes	Yes
22	Tarif hussain	10th	Bhudpur	Palwal	Yes	Yes	Yes
23	Naseem ahmed	10th	Jarali	Palwal		Yes	Yes
24	Tareef	10th	Gari vinoda	Palwal	Yes	Yes	Yes
25	Sudhir	10th	Maluka	Palwal		Yes	Yes
26	Aarif	10th	Khilluka	Palwal	Yes	Yes	Yes
27	Mohd.yahya	10th	Firojpur rajput	Palwal	Yes	Yes	Yes
28	Kulwant singh	10th	Pachanka	Palwal		Yes	Yes
29	Tohid khan	Diploma		Palwal	Yes	No	No
30	Anita rani	10th	Dehteer	Nuh	Yes	Yes	Yes
31	Irfaan	Diploma	Bikti	Nuh	Yes	Yes	Yes
32	Sakir khan	10th	Saroli	Nuh	Yes	Yes	Yes
33	Nishat alam	Diploma	Bisru Gubradi	Nuh	Yes	Yes	Yes
34	Niyaz mohd	10th	Punhana	Nuh	Yes	Yes	Yes
35	Anil	Diploma	Bisru	Nuh	Yes	Yes	Yes
36	Talim	10th	Rhida	Nuh	Yes	Yes	Yes
37	Tafjul	10th	Bisru	Nuh	Yes	Yes	Yes
38	Tofik	Graduation	Patti khoanta	Nuh	Yes	Yes	Yes
39	Mohd sabir	10th	Siloni	Nuh	Yes	Yes	Yes
40	Jabid rasyi khan	Graduation	Punhana	Nuh	Yes	Yes	Yes
40	Jahul		Gulalta	Nuh	Yes	Yes	Yes
41	Mursalin	Graduation	Gulalta	Nuh	Yes	Yes	Yes
42	Suhail ahmed	Graduation 10th	Siroli	Nuh	Yes	Yes	Yes
	Hamid hussain	Graduation				1 05	1 05
44	Sagar Rambir	Graduation	Kalsada	Palwal	Yes		
45		Crodenstier	Bhjanguri	Palwal		Vez	Vag
46	Bobey	Graduation	Bajda pahari	Palwal		Yes	Yes
47	Omprakash	Graduation	Kondal	Palwal		Yes	Yes

Annexures Details on the EcoEyes Training enrolment

48	Amit	Graduation	Bhamrola	Palwal	Yes	Yes	Yes
49	Shyam	Graduation	Kasipur	Palwal	1 es	Yes	Yes
50	Naseem ahmed	10th	Sarai	Palwal	Yes	Yes	Yes
51	Devender	10th		Palwal	Tes	Yes	Yes
52	Mahesh	Graduation	Jodhpur	Palwal	\$7	Yes	Yes
53	Sumit pathak		Pulwari	Palwal	Yes	Yes	Yes
54	Nagender		Kusipur	Palwal		Yes	Yes
55	Rahul	Graduation	Phulwari	Palwal	X 7	Yes	Yes
56		Graduate	Behrola Soundh	Palwal	Yes	Yes	Yes
57	Babulal	Post graduate	Uttawar	Palwal		Yes	Yes
58	Rafik nasruddin	BA Ist Year	Banchari	Palwal	Yes	Yes	Yes
59	Pooja	BA Ist Year	Soundh	Palwal	Yes	Yes	Yes
60	Nitu	BA Ist Year	Soundh	Palwal	Yes	Yes	Yes
61	Monu rani	BA Ist Year BA Ist Year	Banchari	Palwal	Yes	Yes	Yes
	Neha						
62	Chetram	8th	Soundh	Palwal	Yes	Yes	Yes
63	Charan singh	8th	Lohina	Palwal	Yes	Yes	Yes
64	Ramlata	BA Ist Year	Manpur	Palwal	Yes	Yes	Yes
65	Lakhpati	12th	Soundh	Palwal	Yes	Yes	Yes
66	Meenesh	BA Ist Year	Soundh	Palwal	Yes	Yes	Yes
67	Savita	BA Ist Year	Banchari	Palwal	Yes	Yes	Yes
68	Jyoti	BA Ist Year	Banchari	Palwal	Yes	Yes	Yes
69	Rahul	10th	Lohina	Palwal	Yes	Yes	Yes
70	Hemlata	12th	Hodal	Palwal	Yes	Yes	Yes
71	Suresh Kumar	MA	Bamnikhera	Palwal	Yes	Yes	Yes
72	Abrar Hussain	BE	Sarai	Palwal	Yes	Yes	Yes
73	Parmod	12th	Raidaska	Palwal	Yes	Yes	Yes
74	Gangaram	12th	Maroli	Palwal	Yes	Yes	Yes
75	Sunder Singh	12th	Aurangabad	Palwal	Yes	Yes	Yes
76	Sanjay Kumar	12th	Boopgarh	Palwal	Yes	Yes	Yes
77	Pawan	12th	Pingore	Palwal	Yes	Yes	Yes
78	Manoj sharma	12th	Bajda Nangla	Palwal	Yes	Yes	Yes
79	Vikram	12th	Palri	Palwal	Yes	Yes	Yes
80	Bhagat Singh	12th	Bela	Palwal	Yes	Yes	Yes
81	Kamal	12th	BajdaPhari	Palwal	Yes	Yes	Yes
82	Sanjay Tawar	12th	Deeghot	Palwal	Yes	Yes	Yes
83	Aazad Khan	12th	Sohlaka	Palwal	Yes	Yes	Yes
84	Biramdev	12th	Bamadia	Palwal	Yes	Yes	Yes
85	Moh Isha	12th	Bhuryaki	Nuh	Yes	Yes	Yes
86	Moh Kalem	ITI	Thak	Nuh	Yes	Yes	Yes
87	Sajid Ali	12th	Chadnki	Nuh	Yes	Yes	Yes
88	Kayyum	12th	dudoli	Nuh	Yes	Yes	Yes
89	Sakir	12th	Hatangarh	Nuh	Yes	Yes	Yes
			0	Nuh		Yes	Yes
90	Siraju	1ITI	Jaimat		Yes		
91	Mohd Saad	ITI	Khara Punhana	Nuh	Yes	Yes	Yes
92	Sabir	12th	Indana	Nuh	Yes	Yes	Yes
93	Sharaun	12th	Khaika	Nuh	Yes	Yes	Yes
94	Rashid	12th	Lapuri	Nuh	Yes	Yes	Yes
95	Nasir	BA	Gagurani	Nuh	Yes	Yes	Yes
96	Abid	12th	Jakhokar	Nuh	Yes	Yes	Yes
97	Sajid khan	12th	Nadha	Nuh	Yes	Yes	Yes

Hathin batch



KAPS assessment of EcoEyes trainees on Feb 14, 2017 at Govt. Polytechnic College, Uttawar



Presentation by Dr. Sudhir Kapoor & Dr. Shikha Dixit on relationship between health and environment on February 14, 2017 at Govt. Polytechnic College, Uttawar



Discussion with EcoEyes trainees on Environment & Health by Dr. Sudhir Kapoor & Dr. Shikha Dixit on February 14, 2017 at Govt. Polytechnic College, Uttawar



Discussion on district level programs on environment and cleanliness on February 15, 2017 at Govt. Polytechnic College, Uttawar



Transect walk of EcoEye Trainees in Uttawar village lead by Mr. Mustqeam Khan (EcoWaSH leads) on February 15, 2017



Discussion on field observations gathered during transect walk on February 15, 2017 at Govt. Polytechnic College, Uttawar



Presentation on EcoWASH mapping and Geotagging by Ms. Diksha Bandil February 16, 2017 at Govt. Polytechnic College, Uttawar



Discussion on Environment, Health & EcoWASH Component and recap of old activities on February 17, 2017 at Govt. Polytechnic College, Uttawar



Field photographs of polluted area & drain on February 20, 2017 in Uttawar village



Discussion on evaluation of environment & cleaning related knowledge with EcoEyes Trainees on February 23, 2017 at Govt. Polytechnic College, Uttawar



Closing session by Mr. Naveen Sharma, Dr Shikha Dixit, Mr. Rakesh Singh on February 24, 2017 at Govt. Polytechnic College, Uttawar



Certificate distribution by Mr. Naveen Sharma & Mr. Rakesh Singh on February 24, 2017 at Govt. Polytechnic College, Uttawar



Certificate distribution by Mr. Naveen Sharma & Mr. Rakesh Singh on February 24, 2017 at Govt. Polytechnic College, Uttawar



Screening session at Rajkeeya Govt. College, Hodal, by Dr Shikha Dixit, Mr Rakesh Singh on March 7, 2017

Hodal Training:



Screening session on March 7, 2017 at Rajkeeya Govt. College, Hodal



Discussion on Environment, Health & EcoWASH Component in Rural Areas on March 8, 2017 at Rajkeeya Govt. College, Hodal



Presentation on PRA mapping and geotagging on March 15, 2017 at Rajkeeya Govt. College, Hodal



Presentation on Geo-tagging and GPS technology on March 15, 2017 at Rajkeeya Govt. College, Hodal



Discussion on PRA tool and village tool by Ms. Diksha Bandil & Mr. Mustqueam on March 15, 2017 at Rajkeeya Govt. College, Hodal



PRA Mapping at the field with Dr Shikha Dixit, Mr Asfakullah Khan & Mr. Mustqeam on March 16, 2017 at Banchari Village, Hodal



Field Photograph at Banchari village March 17, 2017



Group discussion by Dr. Shikha Dixit on March 27, 2017 at Rajkeeya Govt. College, Hodal



Certificate distribution by College Principal, Dr. Shikha Dixit & Mustqeam Khan on March 27, 2017 at Rajkeeya Govt. College, Hodal



Nuh (Nuh) Batch Training:

Inauguration by Dr. Sudhir Kapoor, & Dr Shikha Dixit on 14 Feb, 2017 at BDO Office Punhana, Nuh



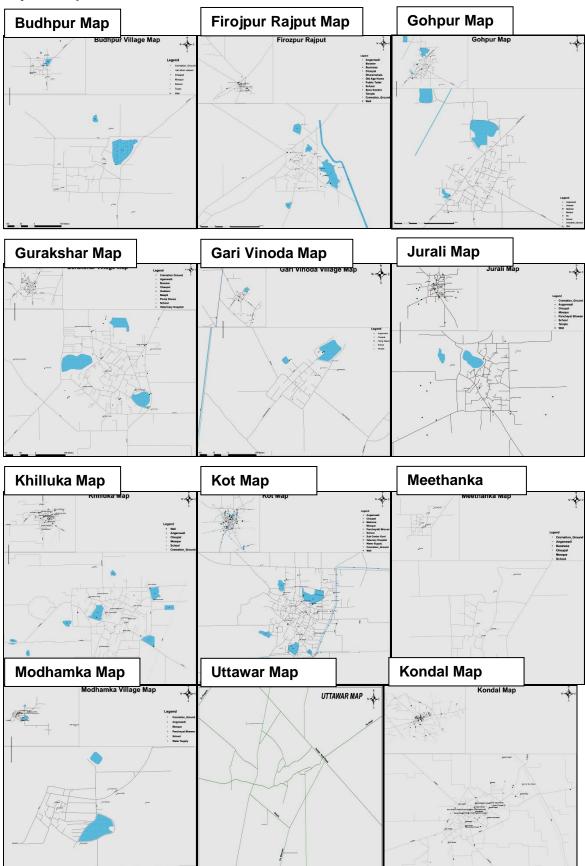
Punhana Training on 14 Feb, 2017 at BDO Office



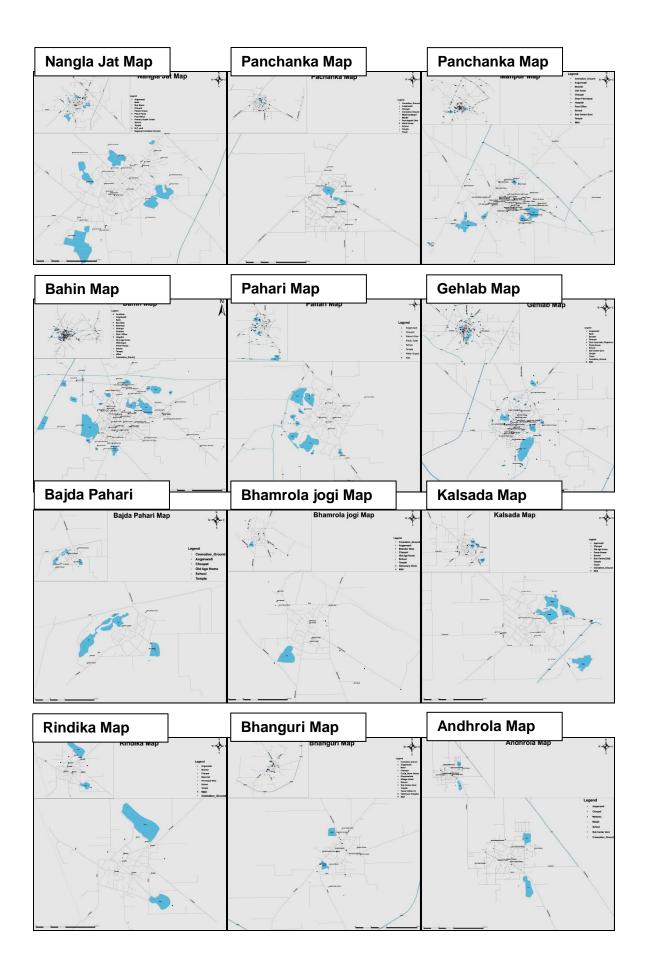
Presentation on Geotagging and GPS Technology by Ms. Diksha Bandil, Dr Shikha Dixit on 15 Feb, 2017 at BDO Office Punhana



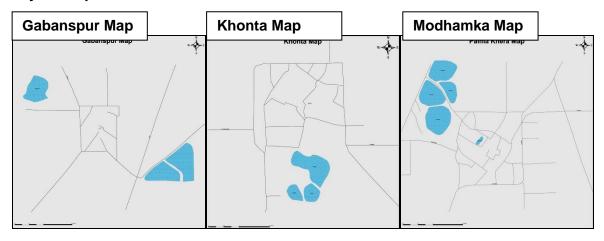
Discussion on environment, health & EcoWASH component in rural areas by Dr Shikha Dixit & Moh Mustqeam Khan on 16 Feb, 2017 at BDO office



Layout Maps of Hathin block:

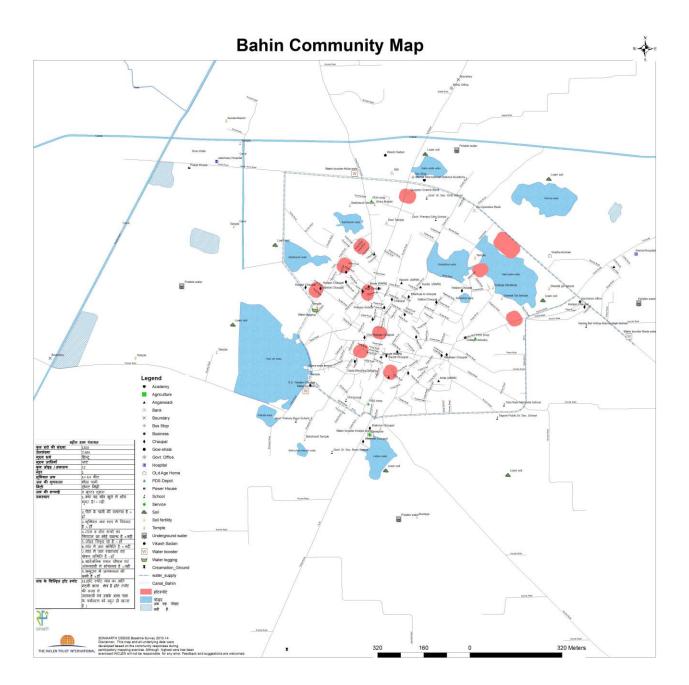


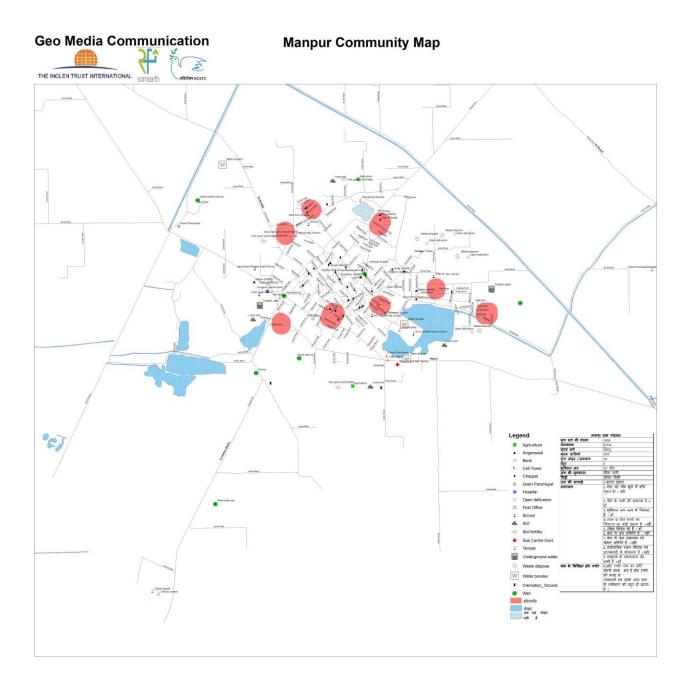
Layout Maps of Mewat:



EcoEyes – Certificate







Waste Spot mapping Pictures





EcoEyes meeting on 15th Oct 2017





EcoEyes Project shared with local stakeholders and community at SOMAARTH Foundation day 10th Nov 2017



