



PRE-VISIT REPORT

CHAPTER: Technion

COUNTRY: Israel

COMMUNITY: Meskele Kristos

PROJECT TYPE: Water supply

TRAVEL DATES: February-March

VISIT TYPE: Assessment

PREPARED BY

EWB-Ethiopia group

January 2015

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PRE-VISIT COMMITTEE and REPORT

The objective of the pre-visit committee is to check the preparedness of the group before going on the visit, and give advice\ask for changes if needed.

The committee should be scheduled at least a month before the visit. Prior to the committee, the group will submit the portfolio and this report.

The documents in the portfolio will help the group during the working process. It gives direction to important issues that needs to be dealt. Therefor the writing process of the documents should be done during the process and not at the end of it (before the committee).

All these documents are important for our institutional memory and for the ongoing work of each group. The objective of this report is to give a summary of all the portfolio documents. For this document to be efficient (for the group to read it in the future, for other groups to learn from it) it is important to keep it short and to the point.

Part 1: GENERAL INFORMATION

GROUP'S CONTACT INFORMATION

	Name	Roll	S _{student} P _{prof.}	Email	Phone	Chapter\ Org.
Group members attending visit	Matan Segman	Health and Safety Officer	S	matansegman@gmail.com	054-2053999	EWB Technion
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TRAVEL HISTORY

See A0 post visit reports

Dates of Travel	Assessment \ Implementation \ Monitoring	Description of Trip
	<i>Yossi and Shelia</i>	<i>beginig of relashionship with the village</i>
May 2013	Assessment	This was the initial Visit By EWB Members (Not including visits by Yosi and Shila) The Aim of the visit was to learn about the needs of the village, establish partners and preform an initial assessment.
July 2013	<i>Yossi and Shelia</i>	<i>Follow up on topics from the May 2013 visit</i>
April 2014	Assessment	This visit was aimed at making sure the people in MK and the local NGO SYHLA are willing and interested to work with us and are interested to make it happen. Surveys and tests were conducted to enable the systems building process.
October 2014	<i>Lior (EWB Rehovot)</i>	<i>Check new information about the new water system</i>

PROJECT DISCIPLINES

		Assessment	Implementation	Monitoring
Water Supply	Source Development			
	Water Storage	x		
	Water Distribution	x		
	Water Treatment	x		
	Water Pump			
	Source Development			
	other			
Agriculture	Irrigation Pump			
	Irrigation Line			
	Water Storage	x		
	Soil Improvement			
	Fish Farm			
	Crop Processing Equipment			
	other			

PROJECT LOCATION\SETTING

Latitude: 12°8'41.67"N

Longitude: 38°49'30.48"E

Elevation: ~2500

Season: dry

PROJECT IMPACT

Number of People directly affected: 500

Number of People indirectly affected: 4000

Part 2: ADMINISTRATIVE INFORMATION

TIMETABLE

#	Day	Date	Place	Main tasks
1	Monday	2/23/2015	flights --> Addis Ababa	meet Dani or jacob? Meet Antonei buy SIM card. Change money Yaels Meeting for summer Course?
2	Tuesday	2/24/2015	Flight to Lalibela+Lalibela	meet SHYLA. search contractors & equipment.
3	Wednesday	2/25/2015	Lalibela	Work with SHYLA. Agree on schedule at MK. Contractors survey
4	Thursday	2/26/2015	Lalibela--> MK	stop to see the existence water system on the way. Meet village
5	Friday	2/27/2015	MK	Meet Villagers. Walk around Village. Workshop preparations
6	Saturday	2/28/2015	MK	community workshop + stakeholders process
7	Sunday	3/1/2015	MK	Ideas process with people, Builders workshop, women meeting
8	Monday	3/2/2015	MK	School education program. Leading team training.
9	Tuesday	3/3/2015	MK	water tests with leading team + measurements
10	Wednesday	3/4/2015	MK	Half day in Ayna (meeting with officials + Market)
11	Thursday	3/5/2015	MK	Option first flush building + water test analysis
12	Friday	3/6/2015	MK	Surveys + leading team training
13	Saturday	3/7/2015	MK--> Lalibela	Education program. summery with village
14	Sunday	3/8/2015	Lalibela+ flight to Addis	summery with SYHLA
15	Monday	3/9/2015	Addis Ababa+ flights back	logistical preparations for next visit

See A1 Schedule in Ethiopia.

EQUIPMENT

Full equipment listing could be found under the file A4 equipment personal + professional, listing of unusual equipment that might cause problem:

Item	Properties	Estimated problems + How to deal with
Tetradecanol (Heating bags)	Small bags with white powder for heating water quality test	Looks suspicious though wasn't a problem last visits

ACCOMODATION

Addis and Lallibella- family type hotel or guesthouse, the payment will be made in cash at the time of stay.

MK- sleeping will be in the school building in sleeping bags and mats.

MARKETING

Item	Use
EWB Ethiopia brochure	Basic details of the village, project and contact information to hand out to stakeholders or other relevant organization. Will be printed in English and Amharic.
Presentation	Short power point presentation describing the project and the purpose of the visit.
Poster	General program and project description.
Business cards	Contact info.
Partnership presentation	Presentation showing EWB way of work and other partnerships we have.

Part 3: PROFESSIONAL\TECHNICAL INFORMATION

COMMUNITY (see B1)

Cultural Background

Meskele Kristos is a small village in the Amhara region, northern Ethiopia.

It is 1.5 hour drive from Lalibela, about 2500M above sea level. The spoken language in the village is Amharic and the religion is Christianity.

Description of the community

- There are ~4000 people in the village, 1 school that serves ~600 children in two shifts.
- There is very limited electricity (in very few houses) , no sewage collection.
- There are 2 taps with running water in the village- one in the school and one in the village center. we don't have information on their quality, reliability etc. The taps, which are part of The Tereza project were done by Warda. It was inactive during our 2 last visits.
- There are 3 toilets in the school, built by WFA.
- Main health issues are hygiene connected disease and mal nutrition.
- Other water sources: one hand pump, one tap spring and one open spring.

Mapping

3 printed maps:

1. Ethiopia map 1:2,000,000
2. Lalibela area 1:50,000
3. Ayna and MK area 1:50,000

(Ethiopian Mapping Authority, brought by Sheila and Yossi)

Google maps print out with previous GPS locations marked on it.

SWOC of the village

Strengths	weaknesses	opportunities	challenges
community approach (open minded), cooperative school manager	Commitment issues Ongoing communication with the village and SYHLA	New technology implementation Empower locals Partnership with SYHLA	Legal issues, language and communication barrier, CEB technology feasibility yet to be determined

For detailed information see B1 community information document.

Causal Analysis

Both SWOC and Causal analysis aren't updated since the village probably had a major change in the past year, especially regarding water which was our main issue.

Community's Priorities for optional solutions according to past visits:

1. Larger, closer water supply
2. Public showers
3. Laundry area (and education for it)
4. Agriculture education
5. Accessible health clinic
6. More toilets

PARTNERSHIP (See B2)

Program Background and History

The program began in 2012 as Shila and Yossi Shalhevet from the NGO Save a Child's Heart, contacted the EWB chapter at the Technion. Yossi and Shila presented the problem of lack of water supply at the school in Meskele Kristos. A team of volunteers, mostly Technion students or graduated Technion students, has been working since and trying to plan an adequate solution for the proposed problem. The team has partnered with two other NGOs listed below that are also part of the program.

1. First visit on May 2013: new partners, new connections, positive atmosphere in the village.
2. Second visit on April 2014: stronger relationship with the village and SYHLA

Since there was a change in the village with a new water system, we want to make sure the community want's this project. Because of that we decided to make the next visit an additional appraisal visit + preparations for building the system if this will be the direction planned.

Long term goals

1. To build a strong relationship between all the people working on this partnership.
2. To work in collaboration with the people of Meskele Kristos to improve the quality of life in the village and encourage a sustainable development through building the capacity of the community.
3. To empower the people of Meskele Kristos and encourage them to take an active approach towards their desires.
4. To empower the EWB volunteers.
5. To inspire our partners with our vision.

One year program

January 15' - February 15'

Organization for visit.

End of Feb- Visit in the village

March 15' - April 15'

Summary of visit, decisions for the future

Organization for next visit if that is decided.

April 15' - May 15'

Second visit- implementation (according to visit 1)

June 15' - August 15'

Summary of all process in the past 3 years

Additional implementation projects in Isreal

Plan of continues process in MK

September 15'

Monitoring visit in the village + assessment for next step

October 15' - December 15'

Work according to next step

Stakeholders

1. The people of Meskele Kristos, Ethiopia.
2. SYHLA, Lalibela, Ethiopia (NGO)
3. Yossi and shila shalhevet, Israel.
4. WFA- Worlds Families Australia, Australia (NGO).
5. EWB Technion, Israel.

Participatory plan (see B2 Participatory Plan)

General Objectives:

1. To create a trust relationship between MK – SYHLA – EWB.
2. To Plan all programs in the Partnership with full participation of all three partners.
3. To describe the roles and responsibilities of additional partners as WFA, local
4. To decide on questions we have regarding the commitment of the partners.

January-February:

Objectives:

1. Create the 2015 participatory plan based on this draft, together with our partners.

2. Understand the way of work that SYHLA is working according to.
3. Get primary thoughts from MK about the partnership plan.
4. Identify criteria for the feasibility of the partnership

Visit 1 (February):

Objectives for the participatory plan:

1. To strengthen personal acquaintance between SYHLA – MK – EWB.
2. To go in depth on the way of work of EWB and SYHLA.
3. To finalize the community agreement with SYHLA.
4. To get a wide perspective on MK vision of the village.
5. To identify leaders within the community to lead the community development
6. To develop the participatory plan outline for the year. Including main dilemmas.

Plan for current visit

Objectives for the visit:

1. To strengthen the partnership with the people of MK.
2. To strengthen the partnership with SYHLA.
3. To assess the needs and wants of the community.
4. To build a local leading group for the project, empower them and give them a sense of ownership for the project.
5. To continue the process of WASH (water, hygiene and sanitation) education in the village.
6. To create a base for assimilating the system and making sure it will be sustainable.
7. Assess the implication of the new water system on the village water demand.
8. Decide on a location for the system and make primary preparations for tank construction.
9. Give proper knowledge regarding the planned system and on “Water and Sanitation”.
10. To establish the partnerships by agreements.

Activities:

1. In general:
 - Strengthen the connection with more contact people in Ethiopia (NGO’s, Embassy, MASHAV, etc.)
 - Make all possible arrangement for next visit
2. Work with SYHLA in Lalibella and MK:
 - Learn about SYHLA
 - Explain about EWB

- Plan how to start to work with MK
 - Create a feeling of responsibility for the project by SYHLA
 - Plan how to start to work in MK
 - Costs survey to be able to plan the budget.
 - Find expenses of materials, Contractors and delivery
 - Understand the timeframe for constructing the tank.
 - Make final logistical preparations for the trip to M.K
3. Days in the village for:
- Appraisal of the community in a participatory way.
 - Understand if the community is willing to put effort in this project especially considering the new water system from Warda.
 - Surveys to gather more information about the village.
 - Strengthen the connection with the community.
 - Understand if the community is willing to put effort in this partnership.
 - Surveys to check the feasibility of building the system (tank, gutters, quality system, distribution system).
 - Gather geographical data about the school area in order to have proper information to plan the system.
 - Costs survey to be able to plan the budget.
 - Strengthen the connection with the community.
 - Surveys to check the logistical limitations of constructing the system.
 - Gather some more detailed data about the chosen system location area in order to have proper information to implement the system.
 - Check options for later projects in the village, according to the needs that will arise in the surveys.
 - Preform Educational program with focus on Water and Sanitation
 - Create leading team for the project and start their training

Translation

The spoken language in Meskele Kristos is Amharic and no other language is applicable for proper communication. SYHLA members speak English.

1. Any document relevant for the villagers will be translated in advance, and sketches will be added if possible.
2. Each visit to the village will be accompanied by an Amharic and English speaker for translation.
3. The translators and the team will have a short "workshop" on important issues in translation.

4. All the international participants will have a small phrase book of important words in Amharic in order to have a basic communication with the villagers and create a positive connection with the villagers.

Project feasibility criteria

Criteria has been decided, and on the B2 document the list below is detailed including parameters to answer these criteria.

1. SYHLA is responsive through mail and actively communicate with us.
2. SYHLA focal person has made preparations towards our visit.
3. SYHLA focal person is familiar with the information provided in advance by EWB
4. SYHLA has made preparation to the topics and logistics they said they will prepare
5. Has SYHLA prepared the village for our arrival?
6. An outline for the work frame of SYHLA's focal person has been described and agreed upon both sides.
7. MK village as a big community is taking active part in the activities
8. MK village as a big community is showing interest in taking active part in the partnership.
9. Community development leaders has been identified within the community.
10. Community development leaders have been active during the workshop, and has taken personal responsibilities.
11. An agreement with our partners was signed

AGREEMENT

An agreement is valuable when a relationship based on trust and team work exists. The connections with the different stakeholders with the EWB team are at different stages of development and thus the agreement is defined differently.

1. Partnership outline between EWB, MK, SYHLA, WFA and Yossi and Sheila. Written in April 2014 (B3). We plan to make this outline an agreement during our visit. In the past visit there was a resistance to sign an agreement from the village side. We assume it is related to the fact that we haven't yet signed an agreement with Ayna.
2. MOU between EWB and SYHLA, still waiting for approval from both sides (B3).
3. An agreement with Ayna- government representatives:
This will be the responsibility of SYHLA to carry out. This is an important issue to be dealt with this visit.

DATA COLLECTION METHODS\SURVEYS

See "B4 Surveys" for Professional Surveys.

Type of survey*	Type of information gathering**	Chapters\Topics included in the survey
assessment	interviews	MK- general, families, builders, school staff, school children, village leaders, framers, women. Lallibela- SYHLA, contractors Ayna- Warda officials, water office manager.
assessment	activities	Community workshop, builder's workshop, leading team training. Water quality tests, education program, guttering system. Lallibala- equipment, materials, labor and price check, partnership plan Addis- equipment, materials, labs, experts and price check (according to necessity)

DATA ABOUT THE METHODS

Information about the following topics and methods could be found under "B6 Technical technology background" in the portfolio:

1. Roof rainwater harvesting
2. Water quality
3. Filtration systems
4. Biosand filter
5. Chlorine water purifying
6. Compressed Earth Block production and testing
7. Ferro-cement water tank design parameters and construction details
8. Constructed wetlands
9. Keyhole garden
10. Mini nurseries
11. Turbidity tube

PRACTICE PLAN

The following "workshops" will be performed by group members to the whole team according to their responsibilities prior to visit. "See B8 Practice plan"

1. GPS workshop (1/2 hr)
2. Water quality tests (1 hr)
3. Turbidity tube practice (includes lab comparison) (1 hr)
4. Discussion about Partnership with SHYLA (2hrs)
5. How to approach a family and doing a survey (2hr)
6. Gutter options for Connecting to the roof and first flush (2hrs)
7. Education program (3 hr)
8. Agriculture (1hr)

EDUCATION PROGRAM

See “B9 education Program”

Objectives

1. Strengthen the connection to the community.
2. Improve communication with the community
3. Engage people to the project and the projects goals.
4. Empower the people of the village and give them a sense of capability In leading project in the village
5. Encouraging the importance of Hygiene through WASH activities.
6. Develop an understanding of Water Treatment.
7. Empower women and Children.

Activities

We will try to reach as many people as we can through our education program that will include 4 parts:

1. Community workshop- decide on their main issue to address in the village, and ways to make it sustainable. Locate people to build leading team
2. Leading team training- leadership and sustainable ideas. Building economic plan for the project. This group should include women, men and school kids.
3. Children- WASH education
4. Women- women’s health, empowerment and involvement in the project.

TRAINING PROGRAM

Objectives

1. Encourage and ensure active cooperation of the relevant stakeholders (people of MK, SYHLA).

2. Empowering MK community and disadvantaged groups in the community (like women).
3. Engage people to the project and the projects goals.
4. Enabling the project sustainability by developing the community's independence.
5. Examination of the community and other stakeholders' commitment to the project.

Activities

1. Water testing with the group of "project leaders"- build turbidity tube with them, test and analyse village water sources with them.
2. "On job" decision making and leadership skills with SYHLA and leading team. Conducting field work with the stakeholders' active involvement.
3. Preparing a set of future instructions to help the project leaders and SYHLA keep track of the project progress. Build first flush system with them.

TECHNICAL TRAINING DOCUMENTS

Since this visit is not an implementation visit, we will not give training documents, since they are not useful yet.

We will make a brochure of the importance of water quality tests, in order to give them something to remember the activities we have done in the training program.

MONITORING and EVALUATION PROGRAM

An M&E program is very much dependant on the relationship with SYHLA and would be most effective if the people responsible for the tasks will be involved in deciding and writing them. The following are basic guidelines that will be further developed with SYHLA staff.

Objectives

1. Follow up on all implemented features of the program.
2. Take necessary data recordings.
3. Constant understanding if the suggested plans are relevant to the people and update to fit needs.

Activities

1. Surveys
2. Focus groups
3. Observations
4. Data logs