

**Name of Project: Establish of Water, Sanitation and ecosan museum, learning and building of toilets**

*Imagination is more important than knowledge” believe Albert Einstein*



*In this very beautiful region we have a lot of problems in sanitation and many people live in below of poverty line*



**Situation of toilets in many schools**



**school without toilet**

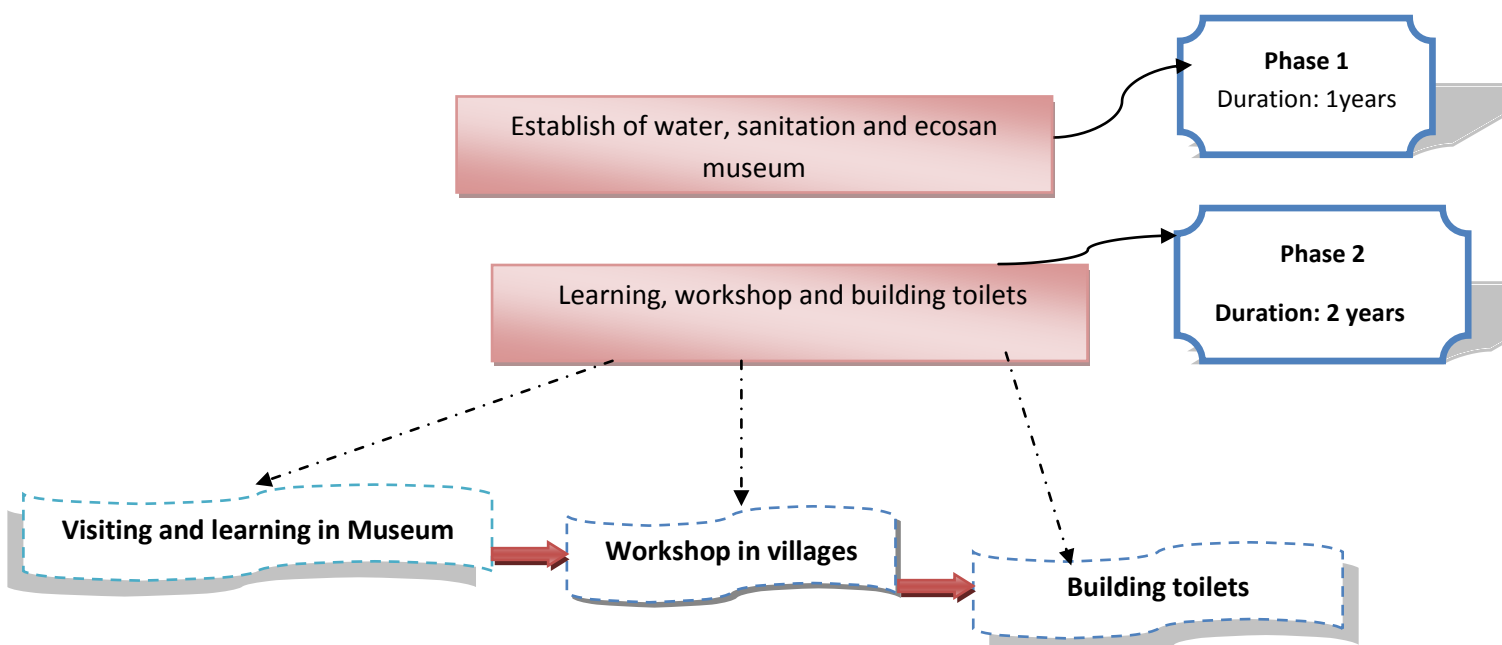
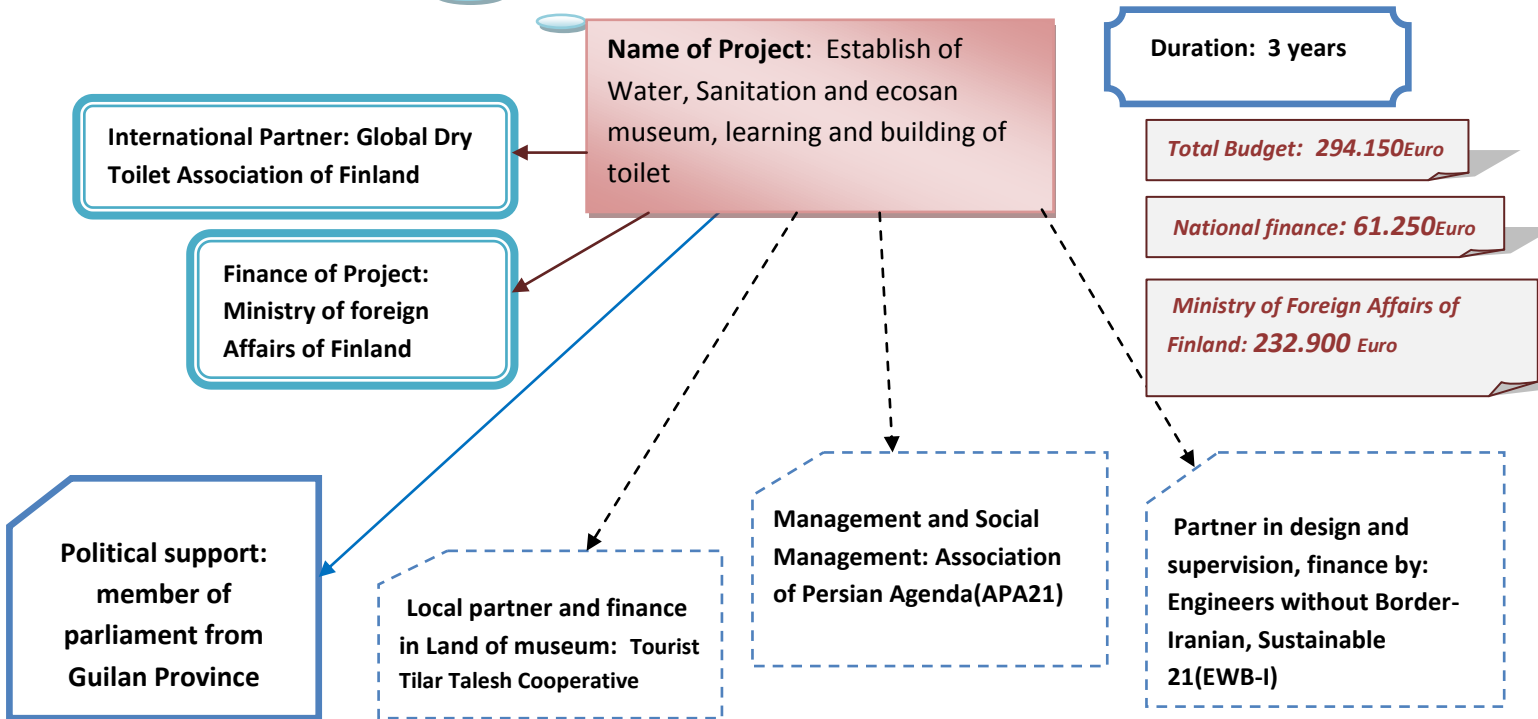
Mahatma Gandhi **“Sanitation is more important than independence”**

Imagination is more important than knowledge” believe Albert Einstein as a scientist, receiving a compass from his father as a child it provoked his curiosity and anxiety forcing him to a higher level of imagination as a youth which probably was the corner stone of his future accomplishments and finally provision of relativity hypothesis.

In most part of our world many students either haven’t heard of a compass or seen and know have to use one.

Association of Persian Agenda21(APA21) is going to do a project based on the above mentioned believes and in accordance with article 8<sup>th</sup> of Agenda21 and based on MDG and this institute aims to do the project after training and educating people about issues related to water and sanitation by making use of the cooperation of local people specially women and girls in order to improve the situation of health and toilets of the defined villages of the region then present this pilot project for other villages.

**Project at a glance**



*We consider 20 villages. Training workshops- visiting of museum and ... then the construction of toilet in schools of village- improvement of the situation of house toilets in the village with their own cooperation.*

*If the awareness level of a society is promoted regarding the role of healthy water and sanitation specially about the role of toilet in human health specially for children and women, their own cooperation will increase considerably.*

## Objectives of this project:

- Learn to people that everyone should be made aware of the problems surrounding in water and sanitation can cause many diseases, and human health was depended to water and sanitation.
- Increasing knowledge people especially children, youth, young mother of water and sanitation and their effect in their future
- The possibility of getting pilot for other regions
- One of the goals of this project and museum is to improve the information level of the people inhabited in the region regarding the role of toilets in human health in order to make use of people's cooperation for constructing toilets specially in schools.
- Introduce of ecosan system to people and benefications of this system in ecological products and their health by learning of **FOOD PYRAMID according of Harvard Food pyramid**
- Learn to people specially students about ecosan system is a good alternative for prevention of ground water and Caspian sea' pollution due of entering wastewater to rivers or sea.
- Learn to tourists about ecosan and health nutrition

### This museum includes the following sections:

- Water, sanitation, and health  
In this section there is some systems instructing about the issues including Water, sanitation, and health
- The section of new technology of ecosan-dry toilet

*Iran is a country in which it was very usual to make use of human excretory as fertilizer since years ago but as the methods applied was wrong and the right process was not gone through to change human excretory in to compost, the range of the parasite diseases were very high in those regions. Therefore, as there is such a background of making use of human excretory in Iran, there will be further interest for ecosan system if it will be introduced and known scientifically*

*The other reason is that since Iran is a Muslim country and it is obligatory to use water for washing after defecation(TAHARAT), we are going to make use of people especially children and youth' creativity for different alternatives in constructing of ecosan toilets special for Muslim countries.*

- Library section- books in fields of Water, sanitation, and health
- Website

**Name of some exhibits in museum:** *Water is staff of life, Food pyramid and organic fertilizer, History of toilet , 70% of Human body is water, Toilet and social poverty, Toilet and economic poverty, Toilet and diseases, Toilet and wastewater, Faeces is brown gold, Urine and fertilizer, Sanitation and prevention of diseases , Ecosan toilet and safe nutrition, Models of ecosan toilets in another countries, ...*

## Background and need

### Specifications of the project:

- The region of the project is located in Gilan province- one of the most deprived provinces in Iran
- Regarding vgeneral piping network, this province is one of the most inferior one in the country
- The main job of people in this province is cultivating rice, gardening, and animal husbandry
- The high proportion of people live on poverty line
- Vicinity to Caspian Sea (the biggest lake in the world)
- Vicinity to Soubatan jungles ( one the oldest jungles in Iran)
- The high level of pollution of rivers in this region
- The high statistics of parasite diseases in this region
- The wide percentage of gardening and rice cultivation in the region
- Lack of any specified plan to instruct people about water and sanitation in schools specially in rural areas
- Lack of any place and educational program defined for educating sanitation and health to people specially for children, youth, and young mothers
- This region is announces as standard touristic area and this region is visited by many tourists.

❖ **Population of the province:~ 2.500.000**

❖ **Name of the project region: Tavalesh- one of the oldest culture of ancient Iran including various nations and languages**

❖ **This region has 4 sections including 300 villages and hamlets and cities**

❖ **Population of the project region: nearly 200.000 individual**

❖ **Ratio of rural to city region of this project: almost 72%**

❖ **Access to water pipe: 26%**

❖ **Access to Gas pipe: 12%**

❖ **Access to Health centre:16%**

## Beneficiaries

***One old proverb says: if you give me a fish, you gave me my today's meal, but if you teach me how to do fishing you do something for me never stay hungry.***

The creation of water museum, sanitation, and ecosan in the region has a constant cultural and scientific influence for the visitors. Visitors of this museum are as follows:

Residents of museum suburbs

The visiting of students camping for all schools of the province (the furthest distance to the museum is about 2 hours)

The region is one the especial touristic center and this is in the way of one of the touristic city with a lot of visitors therefore, this region is a sportive place for visitors

Make occupation for local women and others.

## Objective and monitoring

Promoting of information level of people of the region regarding the role of sanitation in society's health

Promoting of information level of people of the region regarding the role of ecosan toilets in healthy nutrition

Applying the cooperation of local people in resolving the sanitary problems of the region

Holding the educational workshops with cooperation of local women and mothers for schools and families.

Culture in order to publication of ecosan toilets by applying mind and creativity of people inhabited in designing and construction of local ecosan toilets specially in Muslim countries

Culture regarding decreasing of rivers of the region's and underground water pollution resulted from human defecation

*Making a pilot project out of this project is one the main goal of this project*

## Implementation

Other colleagues:

- The cooperation of *Engineers Without Border- Iranian, SD21*, for designing and supervision on project
- The cooperation of *Tourist Tilar Talesh Cooperative Company* in local cooperation and devotion of land to the museum
- *The province member of parliament* supports our institute in projects regarding removing poverty in the region

### ***Ensure of project***

#### **Financial stability**

- The water, sanitation and ecosan museum is a permanent museum and it is every is free to visit this museum. Some part of the money received for ticket (paid by urban citizens, tourists, families, and schools located in cities in the region and province, etc.)
- The leaders of this museum are selected among volunteers (including students of schools and universities studying in different field) therefore there is a considerable decrease in personnel costs
- The money paid by people who are the member of this museum
- National and public finances
- Holding the training courses and specialized workshops for factories, schools, and governmental centers, etc.

#### **Stability of environment**

- Digging and construction of museum is in accordance with local material and environment standard.
- This region is one of the most polluted areas in sea, jungles, landfill, rivers, etc. this museum by culture and holding training courses regarding environment will increase the sensitivity and attention of residences of the region for cooperation and increase their attention to the environment

Rough Budget:

Explain	Units	Budget (Euro)
Land of museum	500m2	31.250
Construct of building museum	250m2	~ 63.000
Construction of exhibitions(~20 exhibits) for museum(design and manufacturing)	20	~ 45.000
Books, CD, DVD for library	1500	~ 5.000
Cyber Cafe		~ 6.000
Learning to villages' women and students in museum(transport, feeding, teaching) *	20 villages	~ 9.000
Workshop in villages	20 villages( same above)	~ 8.000
Building toilets in schools	50 Muslim toilets 20 ecosan toilets	~ 40.000 ~ 25.000
Travel	Airplane, Bus, Train, car	~ 2.000
Accommodation (local house)	For non local personnel (during 3 years)	~ 1.400
Personnel fees	Local personnel	~7.000
Publication		~1.500
Management and experts fees(APA21 &EWB-I)	5 personnel	~ 50.000
<b>Total of Budget</b>		<b>294.150</b>
<b>National finance</b>	<b>60% management and experts fees &amp; land of museum</b>	<b>61.250</b>
<b>Ministry of Foreign Affairs of Finland</b>		<b>232.900</b>

\* Because of in this region, people lives in poverty line, all expenses must be pay for them.

Reporting plan in briefly:

Activities	Timetable			Resource needed	Person responsible
	First year	Second year	Third year		
Land of museum	■			31.250	Finance by Tourist Tilar Talesh Cooperative
Construct of building museum	■			63.500	APA21 & EWB-I
Construction of exhibitions for museum(design and manufacturing)	■			45.000	APA21 & Local technician
Books, CD, DVD for library		■		5000	APA21
Building Cyber Cafe		■		6000	APA21& local technician
Learning to villages' women and students in museum(transport, feeding, teaching) *			■	9000	APA21& Local women
Workshop in villages (personnel fees include)*			■	8000	APA21&local women
Building toilets			■	65.000	APA 21 & EWB-I & Local contractor

*Thank you very much for your time and consideration of this project, we remind*