



BLESS is currently running a project that consists in building 300 individual household toilets, which will benefit to Dalit and Tribal families in Cuddalore district.

Brief analysis of the situation :

According to UNICEF and WHO estimations, about 1/7<sup>th</sup> of world population still openly defecates in the absence of any toilet / latrine, of which 60% live in India. Global impact of poor sanitation on human health and infant / child death is profound. Estimated 10 million children under 5 die globally every year, out of which 2.4 million are in India. 60% (626 million) of the Indian population does not have toilets. This makes India the number one country in the world where open defecation is practiced.

Fecal pollution is a real issue since drinking the polluted water causes many diseases because of food contamination.

The program is to be implemented in Cuddalore district, where 96.72% of the population is constituted of Dalit and Tribal families practicing open defecation because of a lack of toilets

Brief description of the project :

In order to improve the situation and help resolving the issue of open defecation, Bless will build 300 Toilets in different poor villages of Cuddalore District. They will be *pour flush toilets*, functioning as any toilet of this kind. The content of the septic tanks will be used ecologically as a fertilizer.

In order to ensure the usefulness of the built toilets, Bless will organize an awareness outreach phase to educate the beneficiaries for the use of the new toilets. This capacity building will be achieved thanks to a pre-education phase (*focused group discussion*), technical support and helping beneficiaries getting used to this new practice.

Brief explanation of the costs of the project :

This project, which follows the Millennium Development Goals, needs funds to be achieved. Each toilet costs a total of Rs. 16.600 (200€/262,65\$) and the Government helps with a Rs. 10,200 subsidy for each toilet. As the beneficiaries contribute by giving Rs. 900 in cash or labor, each toilet only needs Rs. 4,900 more to be built.

*If you are interested in helping the project, please read the following description, which contains all the complementary information.*

*Thank you.*

# 300 Toilets Project

## Summary

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### **1. Project Name:**





The whole project is based on the *bottom to top* approach, since the Elected Peoples' Representatives (Presidents of Panchayat Raj Institutions) of Dalit and Tribal villages have approached BLESS, due to Bless's close rapport and proximity in working with the Dalit and Tribal, for the sanitation program. Fr. Windey's concept of Rural Village Self Reliance through Grama Sakthi (Village Empowerment) and Grama Swayaraj (Village Independent Governance) has been the motivating force in designing and propagating the Sanitation Program.

BLESS has designed the proposal with rationale, built up around outreach work like awareness on the health hazards caused by open defecation and the effects of IHH toilets in strengthening the pride, prestige and health aspects of the community. Since the Dalit and Tribal, always a neglected lot with almost no land holding rights, always searching for jobs and encountering minimum wages that too in seasons have lack of capacity in sanitation measures, capacity building on Usage and Maintenance of the IHH toilets, educating them with IEC materials, for examples, are needed. The communities of Dalit and Tribal are willing to contribute a share (cash/kind/physical labor) towards the construction cost and BLESS can work for the early release of the Government subsidy in time, through its report built up with the Government Line Departments.

The design of the IHH toilet is both users friendly and economical. The blueprints and the budget estimations are available in the Annex.

## **5. Project description**

### a) Costs of the project:

As requested by the Tamil Nadu programme, the communities of Dalit and Tribal are willing to contribute a share of Rs. 900 towards the construction cost. Subsidies will raise to a total amount of Rs. 10 200, shared between the Government of India (Rs. 3200), the Government of Tamil Nadu (Rs. 2500) and the MGNREGS (Rs. 4500). The cost for building an IHHT being of Rs. 16 000, as you will see in the Budget, Bless will need Rs. 4900 for each toilet.

### b) The awareness outreach phase:

As requested by the Tamil Nadu programme, Bless will organize an awareness outreach phase in order to educate the beneficiaries for the use of the new toilets. Bless's awareness and capacity building programme will be completed in 3 months by the following steps:

- *Step 1: Focused group discussion (software).* It will be a pre-education phase, which will take place before the approval of the beneficiary for the construction of the IHHL. A Bless employee will sit with the families and explain the issues of open defecation

(the pollution and diseases it causes, for example) as well as the necessity of having toilets, thanks to simple pictures and graphs.

Thanks to this phase, a need for IHHL will be created. Consequently, we will not be building the toilets without the families' willingness. (1 month).

- *Step 2: Technical support (hardware).* Once the toilets will be built, we will explain the beneficiaries how to preserve them: how to refill the water, what to do in case of any functional problem, etc. (1 month).
- *Step 3: Using the toilets.* During this final step, we will try to get rid of the beneficiaries' old habit of practicing open defecation and to replace it, so that they will use the toilets in a hygienic way. (1 month).

### c) Bless IHHT functioning:

As you can see on the plans below, the toilets we will build are *pour flush toilets*. This model is the most widespread in India. A pour-flush toilet is basically like the cistern flush toilets we can find in Europe, except that the waters does not come from the cistern above but it is poured in by the user from a bucket.

Our toilets are built with twin pits, where the wastewater is stored. This technology consists of two alternating leach pits (also called septic tanks) connected by a Y-junction to the pour flush toilet. The beneficiary pours the water into the bowl and, thanks to the seal of the junction box, the excrements go into one of the two leach pits. Once the first leach pit is full, the junction box changes the direction of wastewater and leads it into the second leach pit.

The wastewater collected in the pits progressively infiltrates into the soil. During this slow soil infiltration, the pathogens are naturally filtered, which avoids polluting the groundwater. Over time, once the solids in the pit are sufficiently dewatered, they can be manually removed with a shovel and used by the beneficiary as a fertilizer for his lands.

The access to water from the inside of the toilets is possible thanks to one of the three following options, according to the location, the beneficiaries' wishes and the available funding:

- The beneficiaries can fill a bucket by themselves and bring it into the toilets. This option is obviously free of charges.
- The beneficiaries who live on a hilly location can ask for the construction of a hand pump, which will enable them to get the necessary water clean the bowl and send the excrements into the pits. This option costs Rs.400.
- The beneficiaries who live in a village that disposes of a water tank can ask for a connection with this water tank. It will permit them to permanently get water from the tank, not only for the toilets but also for the house. Then, they will get a tap in their toilets. They will put the water from the tap into a bucket and put it in the toilets. The total cost for this option is Rs. 5000.

## **6. Key Objectives:**

- To enhance the health status of the children, women, invalid, aged from the Dalit and Tribal communities in Cuddalore district through sanitation measures.
- To promote clean and healthy habits and also personal hygiene among the target community.
- To develop a clean and healthy neighborhood.

## **7. Methodology:**

- Surveillance and data collection.
- Selection of beneficiaries.
- Report building with the community and Government Departments.
- Outreach and Capacity building.
- Construction of IHH Toilets.
- Pre and Post Project Assessment.

## **8. Project Activities:**

- Memorandum of Understanding with the Funding Agency.
- Selection and appointment of the Project Core Team.
- Survey, Data Collection and Finalization of 300 beneficiaries.
- Preparation of IEC materials on sanitation.
- Awareness and Capacity Building exercises on Sanitation, Proper Usage and Maintenance of IHH Toilets.
- Designing of the IHH Toilet as per local needs.
- Ensuring the Community's participation and support from Government.
- Construction of 300 IHH Toilets in phases.
- Submitting the details of the completed IHH Toilets to the Government for release of subsidy.
- Handing over the IHH Toilets.
- Monitoring of the program and evaluating the progress in review meetings.
- Preparation and submission of Reports with Documentation as per guidelines and instructions of the Funding Agency.

## **9. Project Impacts:**

- ✓ 300 families will have IHH Toilets at their homes
- ✓ Approximately 1.400 family members will enjoy the accessibility to IHH Toilets and also privacy
- ✓ The children, women, invalid and the aged will gain accessibility to IHH Toilets.
- ✓ Around 12.000 Dalit and Tribal community members will gain awareness on Sanitation.
- ✓ 300 beneficiaries (young women, adolescent girls and women ) will gain knowledge in usage and maintenance of IHH toilets through the Capacity Building exercises.
- ✓ The Dalit and Tribal communities will be able to maintain personal hygiene.
- ✓ The Dalit and Tribal communities will live in clean and healthy neighborhoods.
- ✓ 1.400 persons will have abandoned open defecation.

## **10. Project Location:**

List of the Cuddalore District villages where the project will be carried out :

- Palayansentthankudi (India, Tamil Nadu)
- Melavanniur (India, Tamil Nadu)
- Ennanauram (India, Tamil Nadu)
- Thenharirajapuram (India, Tamil Nadu)
- Kannanikud (India, Tamil Nadu)
- Vyalur (India, Tamil Nadu)

## **11. Target Communities:**

Dalit and Tribal Families.

## **12. Project Duration:**

One Year.

## **13. Related projects**

This 300 Toilets project is part of a group of projects implemented by BLESS in order to improve livelihood, sanitation and health in Cuddalore district. Indeed, BLESS is running two other related projects :

- Medical Camps for the Helpless;
- Tailoring for Livelihood.

These projects are logically linked since when the three of them will be achieved, the beneficiaries will have been provided with a sustainable job, toilets and medical assistance. During each of the projects, BLESS makes sure that awareness is gained on the related issues. Therefore, at the end, the beneficiaries will have adopted healthy and hygienic habits and will have abandoned open defecation.

#### **14. Partner/ Proponent Organization:**

BLESS is a non-profit and non-religious NGO, which was established in 1989 by Mr. L.S. Anthony Samy and inspired by Fr. Windey SJ, a Belgium Missionary and a Pioneer in Social Work for Village Reconstruction Programs. BLESS's thematic pillars of social development interventions are Gandhian non-violence, Mother Theresa's fight against poverty and Fr. Windey's spirit on village reconstruction.

It is registered under Tamil Nadu Societies Registration Act 1975 vide Reg. No. 35/89 and is recognized to receive Foreign Contribution by Government of India.

#### **Contact Details:**

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#### **Do you want to help us?**

This project, which follows the Millennium Development Goals, needs funds to be achieved. Building one toilet only costs 200€ (262,65 \$) and since we already get a 120€ per toilet government subsidy, added to 20€ given by helped families, the lack for building a toilet is only of 60€ (78,8 \$). Hence, any financial contribution, however symbolic, would be welcome.

That's why we ask to people as well as governmental organizations or NGO and private companies to help us. The value of the donations is your call and any kind of help would be appreciated and followed by great results, ameliorating, even slightly, hygiene and health in India. Therefore, anyone can help according to their affordability and give us the amount of their choice so we can achieve the project.

If the project interests you or if you care about it, you can let us know by donating or simply by sending a message of support to the e-mail address available above. Concerning donations, they can be sent thanks to the bank detailed mentioned in the Annex (p. 11).

If you wish to get more details or precisions, we will be happy to give them to you.

Thank you very much for your time and consideration.

## Annex

Budget (Rupees):

Details	Units	Cost/unit	Period	Total INR	Govt of TN	Beneficiaries	Sponsor
<b>Human Resources</b>							
1. Project Coordinator - Civil Engineer	1	12500	6	75000	0	0	75000
2. Site Supervisor - Community Organizer	3	6000	6	108000	0	0	108000
3. Accountnat (Part time)	1	3000	6	18000	0	0	18000
4. Documentation Officer (Part time)	1	3000	6	18000	0	0	18000
<b>Sub Total</b>				<b>219000</b>	<b>0</b>	<b>0</b>	<b>219000</b>
<b>Travelling Expenses</b>							
1. Project Coordinator - Civil Engineer	1	3000	6	18000	0	0	18000
2. Site Supervisor - Community Organizer	3	1000	6	18000	0	0	18000
<b>Sub Total</b>				<b>36000</b>	<b>0</b>	<b>0</b>	<b>36000</b>
<b>Pre-Project</b>							
1. Survey & Data collection	3	3000	1	9000	0	0	9000
2. Selection of beneficiaries	3	1000	1	3000	0	0	3000
3. Preparation of toilet design and construction plan	1	1000	1	1000	0	0	1000
<b>Sub Total</b>				<b>13000</b>	<b>0</b>	<b>0</b>	<b>13000</b>
<b>Awareness Outreach</b>							
1. Preparation of IEC materials - Handbills, Booklets	1	25000	1	25000	0	0	25000
ii. Training on Toilet usage and maintenance	300	150	1	45000	0	0	45000
<b>Sub Total</b>				<b>70000</b>	<b>0</b>	<b>0</b>	<b>70000</b>
<b>Toilet construction</b>							
Toilet construction	300	16000	1	4800000	3000000	360000	1440000
<b>Sub Total</b>				<b>4800000</b>	<b>3000000</b>	<b>360000</b>	<b>1440000</b>
<b>Operations &amp; Management</b>							
i. Telephone & Internet	1	1000	6	6000	0	0	6000
ii. Monitoring & Evaluation	1	500	6	3000	0	0	3000
iii. Reports & Documentation	1	500	6	3000	0	0	3000
iv. Auditing	1	10000	1	10000	0	0	10000
<b>Sub Total</b>				<b>22000</b>	<b>0</b>	<b>0</b>	<b>22000</b>
<b>Grand Total</b>				<b>5160000</b>	<b>3000000</b>	<b>360000</b>	<b>1800000</b>

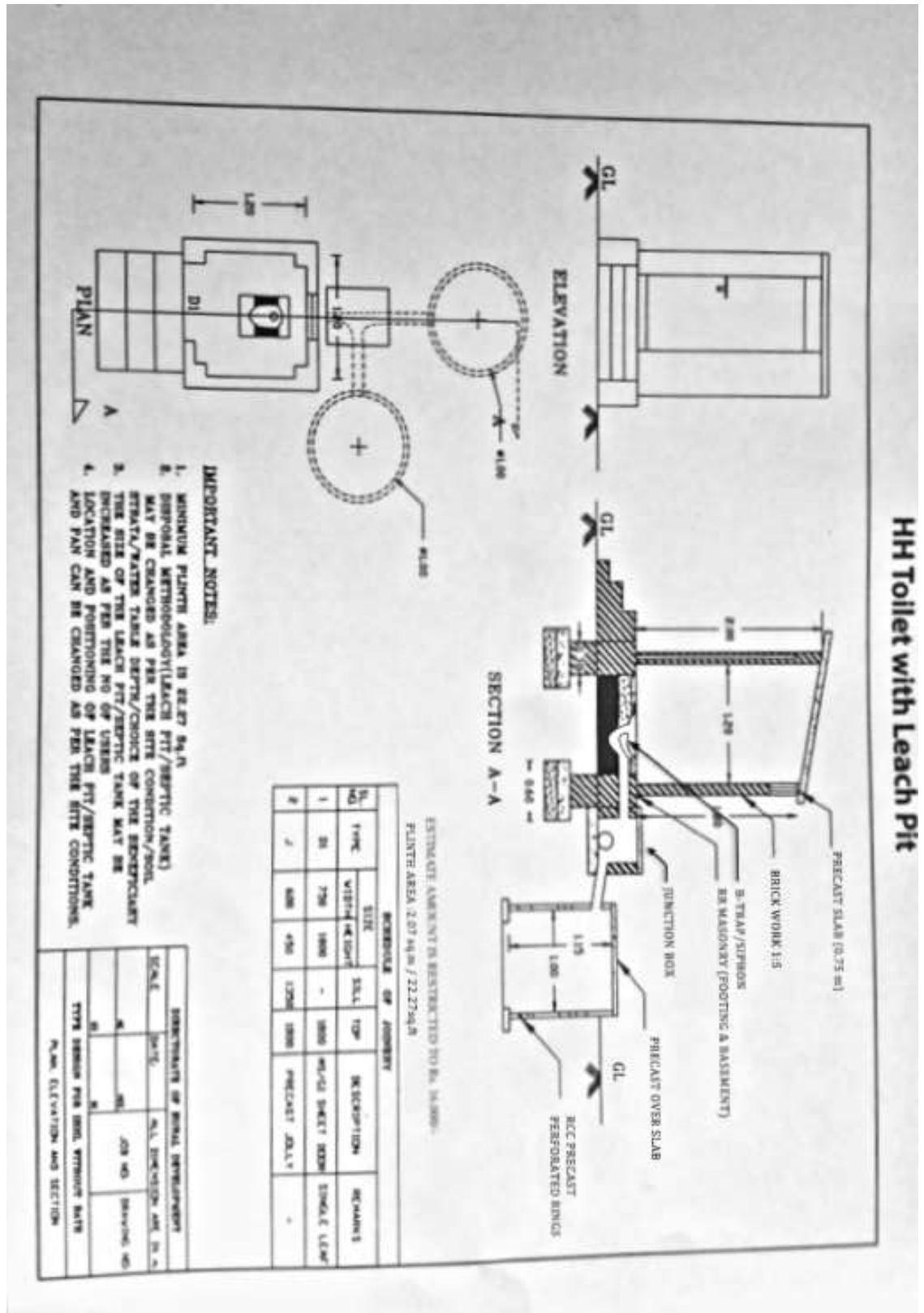
### Budget in Euros:

Human Resources				2738	0	0	2738
Travelling Expenses				450	0	0	450
Pre Project				163	0	0	163
Awareness Outreach				875	0	0	875
Toilet construction				60000	37500	4500	18000
Operations & Management				275	0	0	275
<b>Grand Total</b>				<b>64500</b>	<b>37500</b>	<b>4500</b>	<b>22500 € = 29.548 \$</b>

### Budget for a Flush toilet (Size: 4'x5') (Rupees):

S.No	Items	Unit	Unit cost	Total
1	Solid Cement Brick (15*4*8)	180	28	5040
2	Basin set (Basin with Ptrup)	1	500	500
3	Sand 1 unit	1	500	500
4	Cement Bags	2	350	700
5	Top Cement Slab (4'*5')	1	1200	1200
6	Cement Ring (3*1)	6	300	1800
7	Cement Ring Slab (3*1")	2	300	600
8	pvc pipe (4"x2m)	2	280	560
9	Door with clamb set (2.5'x5.5')	1	1200	1200
10	Cement Jali (1x1)	1	100	100
11	white wash (material with labour)	1	200	200
12	Door Primer Painting (Material with Labour)	1	200	200
13	Labour for Earth work	2	450	900
14	Mason	2	650	1300
15	Helper	2	350	700
16	Transport for Materials	1	500	500
				16000 Rs = 200 € = 262,65 \$

# Blueprints:



## Bank details

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**Name of the account :** BLESS

**FCRA Number :** 076010115

**Account Number :** 0104000100086244

**Type of Account :** S/B – (Saving Bank Account)

**Address of the bank :** Punjab National Bank, 112, Bharathi Road, Cuddalore – 607 001 Tamil Nadu, India

**SWIFT Code :** PUNBINBBCNG (Society for Worldwide Interbank Financial Telecommunication must transfer)

**IFSC/BIC:** PUNB0010400 (Indian Financial System Code/ Bank Identification Number)

*Let's act together for the Millennium Development Goals*

