

# TOILET AND HYGIENE PROJECT FOR THE GIRL CHILD



**SUPPORTED BY:  
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**[www.toilets-sewausa.org](http://www.toilets-sewausa.org)**

# RACHANA HIPPOCAMPUS ENGLISH MEDIUM SCHOOL

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**Hippocampus Learning Centres (HLC) are transforming the lives of underserved children through high-quality education. Hippocampus started in 2011 and has experienced rapid growth since.**

**It currently operates more than 225 preschool centers and 7 primary schools. Its programs are also licensed to more than 70 schools in Karnataka and Maharashtra. We received a request letter from the Mysore campus a few months ago.**

**Sewa conducted the need analysis and decided to build 6 toilet units. Funds raised through Hike for Hygiene and Funds donated by Maa Prema Charitable trust was allocated to build 6 bio-toilets in this school.**

**The bio-toilet installation work was completed in the third week of September. It'll be benefitting 160 children from poor economic background families who are getting sponsored and supported at Supreet Educational and health trust through various individual donors of the school trust. (Refer Table 1)**

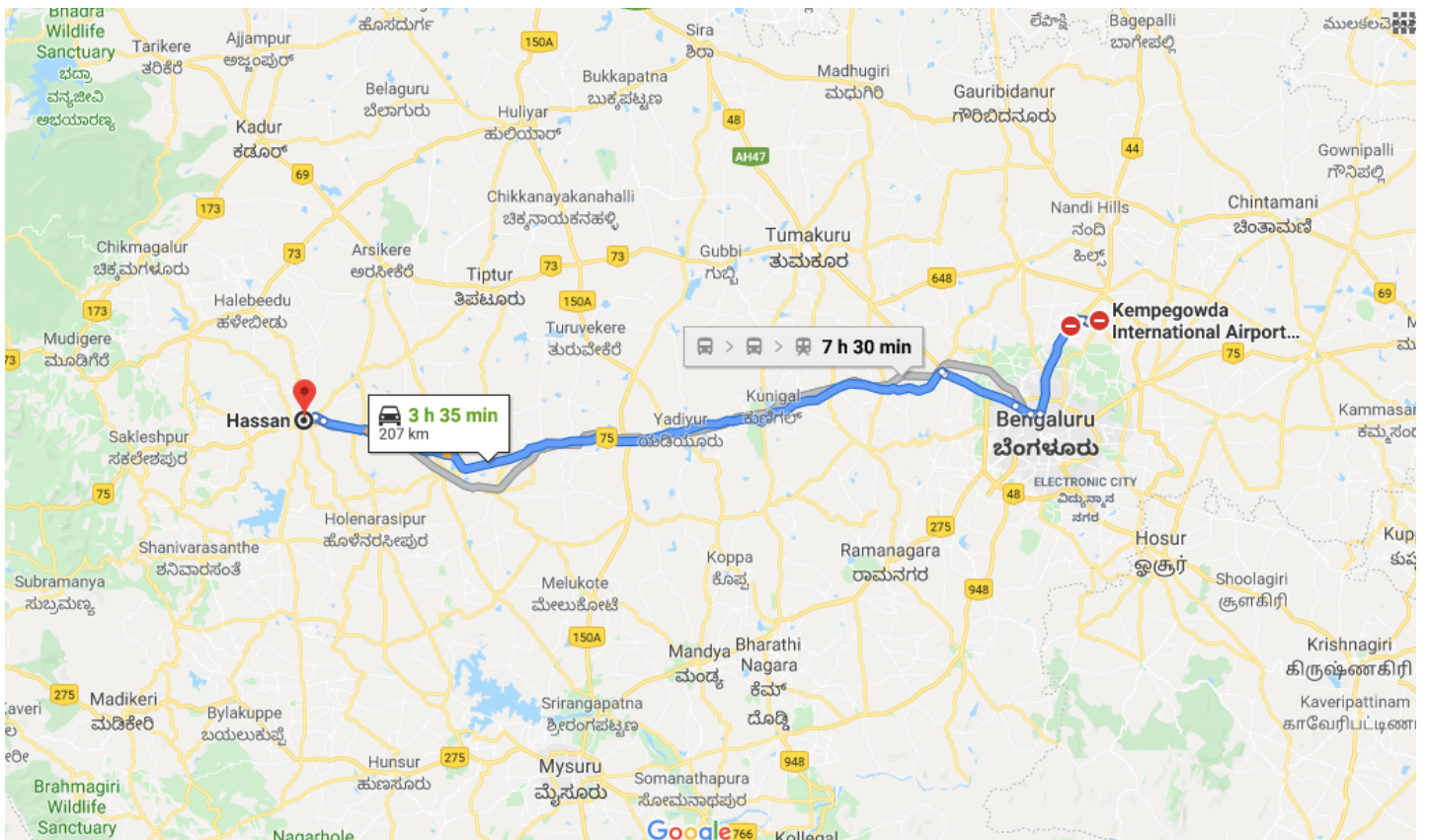


**Table 1: No. of beneficiaries and status of the Sewa bio-toilet installation.**

S.No	School Name	Address	No. of Boys	No. of Girls	No. of New Toilets	Status of work
1	Rachana Hippocampus English Medium School	Dammanigla,Honnenalli Gate, Shravanabelogola (hobli) Chennarayapatna (Taluk) Hassan (Dist) Karnataka	60	100	4	Completed

## Project Location

\*The Road distance from Kempegowda International Airport Bengaluru to Hassan is 205 km .



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# Bio-toilet Model

Before opting for this model, in the past, we have tried FRP, Galvanised aluminum, and Galvanised steel portable toilet models.

After several trial and errors, we felt this is the most economical and best solution for open defecation. Once it is built, it needs only once a year inspection.

Bio-toilet features:

Zero Underground water pollution

Pathogen-free water output

Minimum usage of Water

Low Maintenance Portable unit.

Cost-effective model



These bio-toilets can be installed anywhere without needing a big septic tank or a sewage facility.

The dimension of the toilet unit: 4ft breadth, 6ft height, and 3.5ft length.

The dimensions of the pit: 6ft depth, 4ft length, and 5ft breadth

(It takes about 2 days to construct a bio-digester pit)

At first, a 1.5-meter triangular pit is dug which has a depth of 1 meter. At the bottom of the pit, a radius of 1 meter in cauldron shape which is 37 cm in depth and 2 meters of a platform is constructed with concrete materials of 7 cm.

Again, over the radius, construction is done with a brick in a dome shape. Over the cauldron shape radius after the construction of 62 cm, an outlet is made.

According to the outlet, the inlet (main pipeline of the toilet) is set. At the end of the dome (in the upper part) 0.75 inch the gateway for gas pipeline is attached.

In the construction of Bio Toilet, gas is produced in the gas chamber once the outlet is filled and exit through the outlet of purified water. During this process, due to rotten stool, only methane gas and water remains. This gas is released into the atmosphere and the water is left in the fields so that it can be used in irrigation. The methane gas can be stored to use in the Kitchen stove or used in the methane generator to produce the electricity.



# Picture Gallery

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Bio-toilets under construction



Inaugurated sewa toilet units

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## **Sewa Criteria for Identification of Schools:**

1. Schools constructed on government legal land and the school authorities should provide up to date school construction documents.
2. No objection certificate issued by the governing authorities for toilet installations.
3. Unavailability of functional toilets in the school premises.
4. A higher ratio of girl students in the school.
5. Total strength of the school to be a minimum of 50.
6. Support from school authorities and local government/municipal bodies during construction and long term maintenance of the toilets.
7. Provision for water supply for the newly installed toilets or support from school/government/local bodies/individuals for making such a provision.
8. Provision for the sewage system.
9. Availability of space within the school campus for the installation of toilets.

Region-specific Consultants were hired part-time for the project execution. The consultant coordinated with the local authorities for survey and licensing.

Thank You for supporting us,  
Sewa T&H Team