



B.2

COMMUNITY PLUMBING CHALLENGE



Nashik, India
2–5 November, 2015

BRIEF #2

September 2015



INTRODUCTION

Your Challenge – an overview:

- Enable the urinals in all three toilets at the school to be individually flushed.
- Supply water to the urinal facilities and dispose of wastewater safely.

This Brief (B.2) has **two** parts:

- 1 – Design solution for a urinal flushing facilities at School 125, Mukti Dham, Nashik.
- 2 – Presentation of design solution to a Community representative group.

Please refer to the following Supporting Documents (separate files):

- Full school site plan and individual workspace plans (filename: CPC2015_Plans.pdf)
- Works schedule (filename: CPC2015_Schedule.pdf)
- Materials and Tools/equipment order forms (filename: CPC2015_Materials.pdf)

A supporting photoset with images of host School and existing facilities is also available at the following link:
<https://www.dropbox.com/sh/irrtwvgmuzg5gsm/AABWJginZPWtVkfDcaeYD2Oja?dl=0>

General tips:

Teams must consider that access to power onsite at the school is limited and unreliable, and plan accordingly.

All presentations and activities prepared should attempt creative means of interaction with the students and teachers, in order to overcome language and literacy barriers.

Flip charts will be available, if required. All other printed material should be prepared in advance.



PART 1

URINAL FLUSHING

Timeframe:

This must be completed in collaboration with all other Teams during the period **3 to 5 Nov, 2015** (at the Challenge).

Your Challenge:

Provide a proposal to improve the health of students by enabling better flushing of urinals in all three toilets at the school. This solution must include:

- A design of new pipework for the toilets, specifying what valves are to be used.
- Ensure that wastewater will be safely disposed of.
- Provide metering to enable data of usage to be taken.

Collaboratively, Teams must deliver:

- Site plans/drawings of the new facilities.
- Rationale document (how it works).
- Installation and maintenance guide for the solution, including required toolkit. This should reference the Indian Plumbing Association maintenance grant, as per Brief #1.
- Full material costing/budget in order to implement the solution.

Note:

Your solution should be realistic: achievable to build within two days intensive work onsite at the school during the CPC. This process must be clearly explained in your Rationale.

Teams will organize and work together on Days 2, 3 and 4 to carry out this work onsite.



PART 2

SCHOOL COMMUNITY GROUP PRESENTATION

Timeframe:

This must be completed in collaboration with all other Teams on the **2 and 3 Nov, 2015** (at the Challenge).

The presentation will be delivered to the School Community Group on the second day of the CPC: Tues 3 Nov, 2015.

A one-page outline must be submitted to the CPC Organizing Team one hour before presentation.

Your Challenge:

Team must collaborate to present one design solution/proposal to the School Community Group consisting of the School 125 Principals, local Community Co-operators, and CPC Judges.

There will be 10 minutes to present, followed by 10 minutes for questions, answers and feedback on the proposal.

You must deliver:

- A one-page outline for Judges, explaining the presentation plan and structure.
- A presentation to the School Community Group, explaining the design solution for urinal flushing.

Note:

The presentation will be delivered by a selection of representatives from all the Teams. This will be decided by the Teams on the second day of the CPC: Tues 3 Nov.