WASH in HCF
Global Learning Event
Kathmandu, Nepal
28-30 March 2017

Plumbing Design Solutions

Megan Lehtonen
Sr. Vice President, The IAPMO Group
World Plumbing Council
NEPAL SANITATION STUDIO

[Video]
https://youtu.be/UVXBFatnRcU
Approach and/or tools used
Approach and/or tools used
Singapore 2014
Simulation of rainwater collection and water pump installation for rural villages in Nepal and Bangladesh.

India 2015
Collaborative design and construction of new handwashing and toilet facilities at Municipal School.

South Africa 2016
Collaborative design and installation of communal toilet and water supply units across township settlement.

@CommPlumbing
#COMMPLUMBING
/CommunityPlumbingChallenge
Community Plumbing Challenge: NASHIK, INDIA

[Video]
https://youtu.be/7HeEru2VwqM
Outcomes

• CPC2015: Nashik MNP School 125, India
• CPC2016: Diepsloot Township, South Africa
• **NEW** CPC2017: Cicau Village, Indonesia
• **NEW** CPC2018: Healthcare Facility, India (TBC)

#COMMPLUMBING
COMMUNITY PLUMBING CHALLENGE 2016

Diepsloot – Johannesburg, South Africa

The International Community Plumbing Challenge aims to improve public health in regions where communities are threatened by a lack of basic sanitation and safe drinking water systems.

**IMPACT TO DATE**

**IN DIEPSLOOT:**

- 14 communal toilets replaced in 7 days
- Improved access for 1288 local residents
- 56,000ltres water per day saved due to upgrades

* Community Plumbing Challenge preparatory visit, March 2016.
Strengths

• Build Bridge Between Technical Expertise and Community
• Sustainability/Maintenance through Data Collection
A NEW ‘VILLAGE’ CPC

- Bringing the CPC vision and mission to the very heart of a host community, encompassing both school and public spaces to promote skills development, improved sanitation and hygiene awareness for all: a safe, welcoming and collaborative environment for all participants to experience a life-changing design and construction challenge.
SUMMARY OF CPC INDO PROJECT: CICAU VILLAGE
References / Contact

Megan Lehtonen

- Sr. Vice President, International Business Development, IAPMO
- Managing Director, IWSH

Megan.Lehtonen@iapmo.org

Technical Operations:
Sean.Kearney@iapmo.org
Grant.Stewart@iapmo.org