

# Pre-fabrication of DEWATS in Indonesia with RFP



# Background

- In 2010 the Indonesian government launched a special budget line (DAK) from the national budget, which encourages local governments to implement a Community Based Sanitation (CBS) like service package in a larger scale of up to 5000 units until the year 2014.
- Taking into consideration the more complex intervention that includes activities such as :
  - Community selection,
  - Community action plan and its detailed engineering design
  - Construction and Supervision
  - Operation & Maintenance as well as monitoring.

# Challenges of Program Up Scaling

- Lack of number for experienced technical and social facilitators
- Lack of quality control when 5000 units have to be implement in 4 years
- New strategy to monitor large numbers of implemented facilities
- Cooperation within stakeholders: Government, Community (CBO), NGO, others
- Demand on DEWATS as one of smart sanitation solution is very high

# Comparison of Implementing WWTP between Conventional and Pre-fabricated with RFP

Conventional	Pre-fabricated
Fixed building	<ul style="list-style-type: none"> <li>• Can be added/remove easy to meet changing demand and user numbers</li> <li>• High mobility, flexible, can be relocated</li> </ul>
Complicated construction method when meeting difficult soil condition	Easy to install in any soil condition
Need high skills to supervise the implementation on site to keep the quality required	Quality control can be done off site in the workshop during production to meet the standard.
70 – 90 days construction	3 – 7 days installation
Difficult to find the leakages and costly to repair	Easy repair

# Prefabrication is a Famous Solution in Indonesia



# BORDA Activities to Support Government for Implementing Large Number of Sanitation Facilities within 4 Years

- Support the development of appropriate technologies, including Prefab
- Support implementation partners to support local governments in facilitating communities (BEST, BF, LPTP)
- Support LG's in establishing systems to monitor and provide follow up assistance for Community Based Organizations (CBO) to ensure sustainability through AKSANSI.

# SANFAB PreFab Modules

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# Supporting Community Facilitation **MUST** be **ENSURED** during implementation

Community Selection and Action Plan  
User Training on Operation & Maintenance  
Health & Hygiene Education





# Supported Technical Activities

- Feasibility Check
- On-Site Installation by Experts
- Monitoring and Evaluation
- Call centre and trouble shooting



# Installation in Tidal Area



# Installation in Dry Area



# Thank You

Prawisti Ekasanti, BORDA Indonesia  
IWA Conference on DEWATS – Nagpur November 21, 2012

