



**MOBILE ENHANCED HAND PUMP MAINTENANCE INNOVATION- WATERAID
INDIA**

DRINKING WATER SCENARIO IN INDIA

- ✘ Characterized by creation of new infrastructure and poor O&M
- ✘ During 2001-11, dependency on handpump increased to 42% from 41.2% (UP - 63.7% to 67%)
- ✘ During this period the drinking water coverage slipped back to 82.4% from 86.77%

WHY THIS SLIP BACK AND UNDER COVERAGE

- ✘ Increase in population & habitations
- ✘ Drinking water sources becoming quality affected.
- ✘ Depletion of ground water
- ✘ Drinking water supply systems having outlived their life spans or becoming defunct early
- ✘ Most importantly frequent hand pump failures



WHY HAND PUMP NOT FUNCTIONAL

- × Quality of the infrastructure created
- × O&M is transferred to local village government (PRI)
- × Limited Management capacity of PRI .
- × Absence of control over fund , and availability of skilled mechanics and spare parts
- × Information disconnect

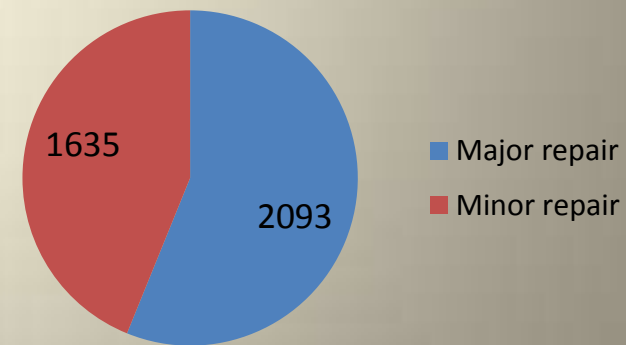
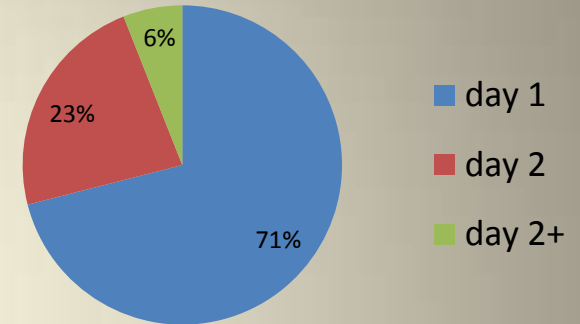
PUBLIC PANCHAYAT PARTNERSHIP CENTRE -PPP

- ✘ Service centre set up jointly by professionally trained mechanics
- ✘ Marketing of services, guaranteed response time and quality of work
- ✘ Train community for preventive maintenance .
- ✘ Centre coordinate with mechanics and monitor response through mobile network
- ✘ Water quality testing



THE SCALE ACHIEVED (MAHOBA DISTRICT- UP)

- ✘ From Jan 11-Feb12(14month) period repaired 3728 handpumps benefited 203,875 people
- ✘ 71% of the hand pump restored with in 24 hrs of failure reported.
- ✘ Increased income for 28 mechanics regularly associated (USD 100-150 /per month)
- ✘ Ensured continuous access to water for the community



PUBLIC –PANCHAYAT PARTNERSHIP - BUSINESS MODEL

- ✘ Aided by high mobile connectivity and demand of service, PPP centres achieved the operational sustainability .
- ✘ 70-90 % of service charge directly goes to the mechanics and rest is deposited in the A/c of service centre for operational sustainability .
- ✘ Community ownership is being established .
- ✘ Community demand the Panchayat for AMC with PPP centre
- ✘ Presented as an alternate model to government for Public private partnership for O&M in the rural area
- ✘ This business keep the water flowing in rural areas.

CHALLENGE

- ✘ Promote entrepreneurship among the mechanics
- ✘ Level of Financial integrity at PRI
- ✘ Capital investment for setting up the centre -Approximately USD 10000/centre
- ✘ Diversification of skills – O&M of rural mini water supply schemes



THANKS

