



World Water Congress XV

International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Assessing the Impact of Public Private Partnership on Sustainability of Drinking Water Sanitation Health in Lahore Pakistan

Muhammad Wasif Bashir Babar (Mr)

COMSATS Institute of Information & Technology (CIIT)
Abbottabad-Pakistan

Email- wasifbashir15@gmail.com (+92300-7913418)

World Water Congress XV

International Water Resource Association (IWRA)

Edinburgh, Scotland 25th-29th May 2015



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Introduction

- Study conducted in Badar Colony Lahore
- Total 6 Hamlets with large population
- Low socioeconomic & educational status
- Poor WASH facilities
- High level of water born disease
- Extreme poor & backwardness



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Drinking Water Quality Thread





World Water Congress XV

International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Community Socioeconomic overview





Social Deprivation Overview





Community Situation before Project





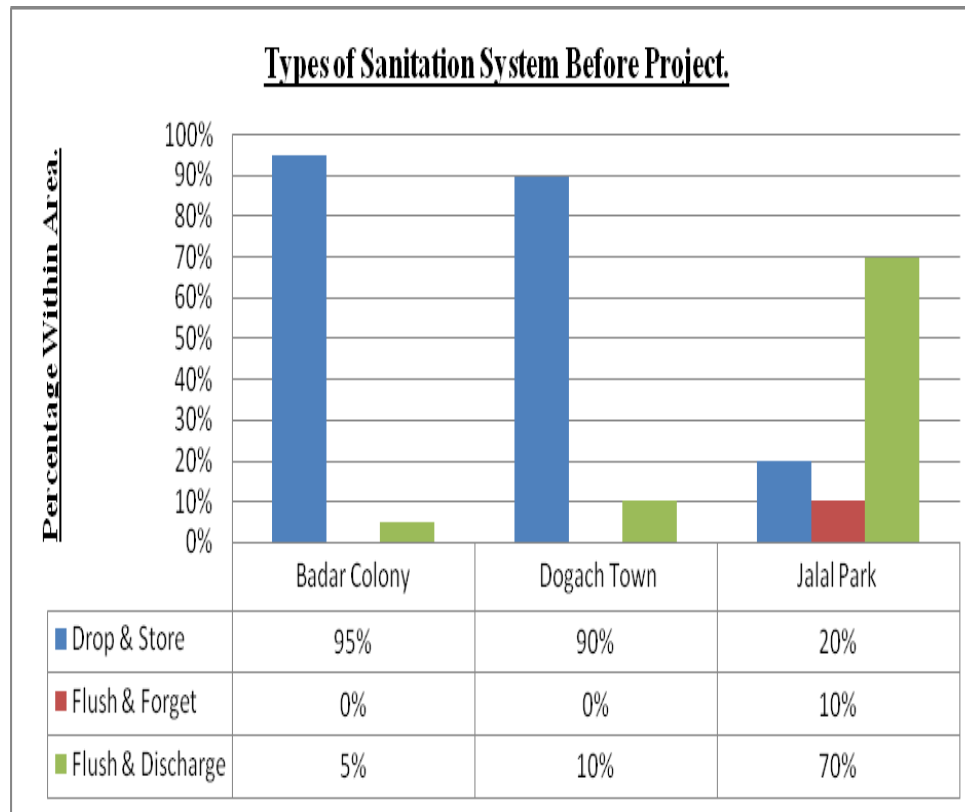
World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Social Overview of Study Area

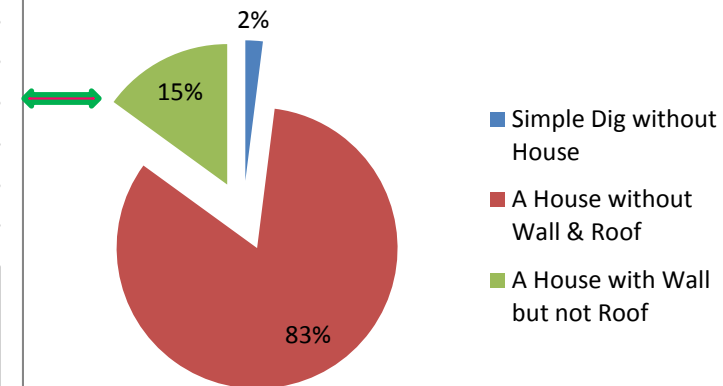




Sanitation Scenario in Study Area



Type of Latrines in the Project Area Before Interventions





World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Objectives of Study

- To identify the WASH activities and operations in the study area
- To examine the process of public partnership in the project development
- To analyze the impact of public-private partnership on community ownership and project sustainability



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Methodology

- Three hamlets as targeted population with 2000 HH
- 300 households a representative population & sample size
- 100 HH/each using probability random sampling technique
- 90 FGD; 30 from each & personal observation
- Data analyzed using SPSS & frequency distribution and Percentages
- Secondary data collected from official reports, literature



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Results & Discussion

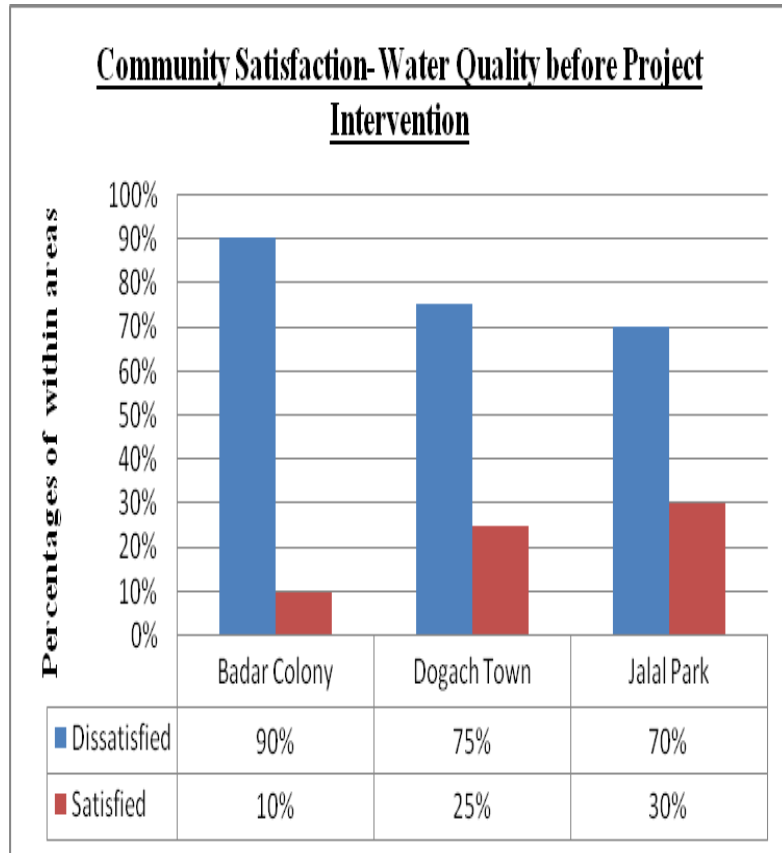
Project Interventions in the local Community

- Safe drinking water and centralized sanitation services
- A tube well 700 feet depth & OHR 50,000GSC
- Underground WATSAN piping network
- Disposal station for Wastewater treatment
- Street pavement, SWM, Health & Hygiene education
- Decreased Water born disease & economic growth

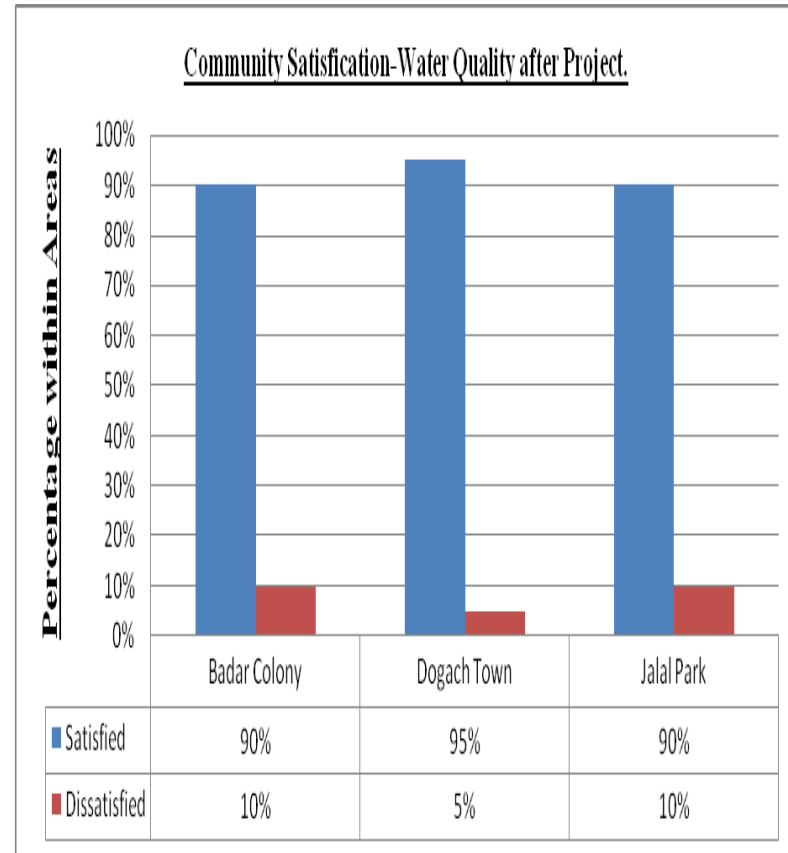


Community Satisfaction with Water Quality

Before Project



After Project

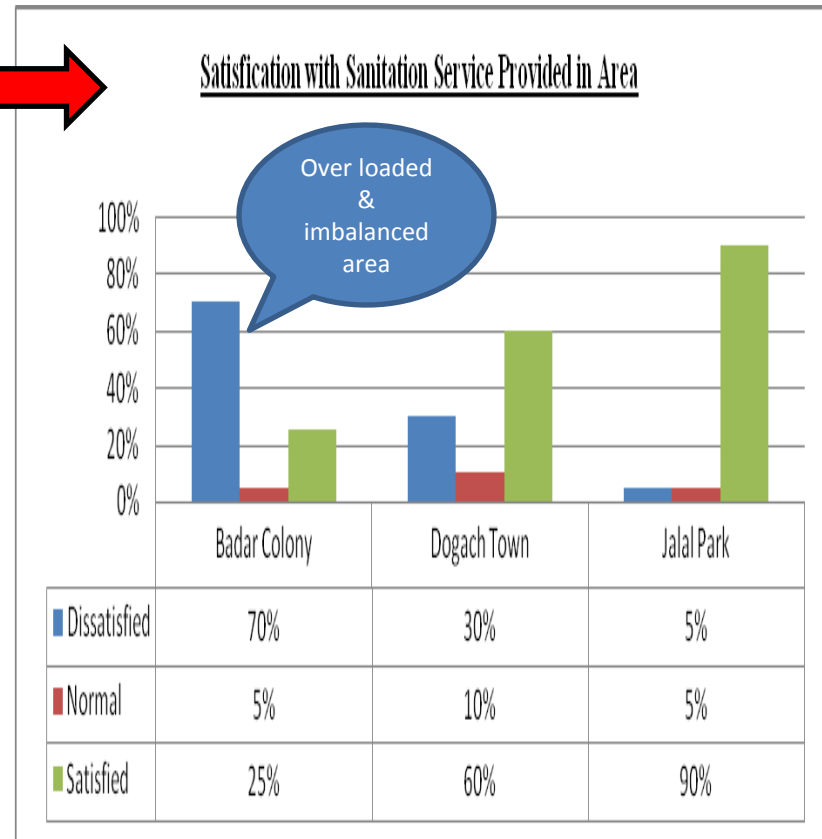
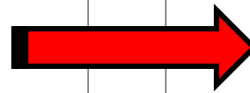
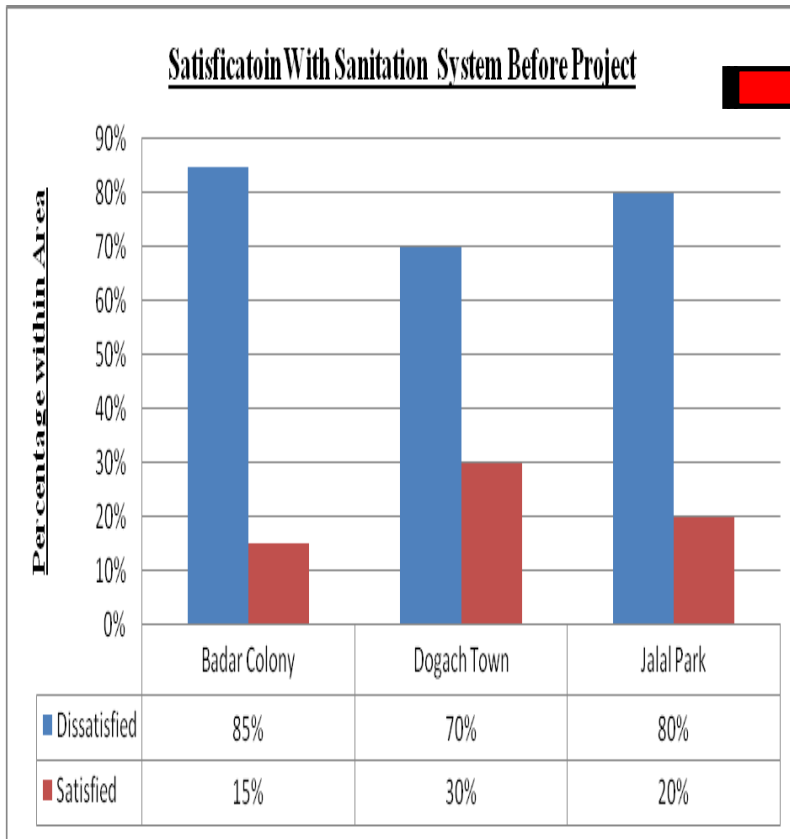




Community Satisfactions with Sanitation

Before

After





World Water Congress XV

International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Before

After





World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Process of Community Partnership in Project

- Community mobilized & engaged in all project phases
- External 104.84M (Govt) Internal 36.40 (64/36)
- WASH Development committees at Street level
- Water and Sanitation Community Organization WASCO
- Almost 95% Recovery rate (WATSAN bills)
- Project handed over to **WASCO**



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Community Ownership and Project Sustainability

- Community Empower & self reliance
- Community satisfaction with WASCO
- About 87% **Ownership of project & own property**
- About 93% expressed their **own responsibility** of caring
- Pakistan PPP Policy 2010-Punjab PPP Act 2014
- Conversion of Authorities into Companies



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Conclusion

- Local Community have capacity to manage, develop & care
- Engaging communities ensure empowered & self-reliance
- Majority of population expressed ownership
- PPP ensure project ownership & sustainability
- Project played excellent role for Govt & Policy Makers
- *PPP viable & feasible approach for WASH development*



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Suggestion

- Communities must be engaged WASH Development
- Policies should be refined and upgraded
- PPP Paradigm approach in all the sector
- Sufficient budgeting, long term policies about WASH
- Strategic planning with public oriented vision for WASH



World Water Congress XV
International Water Resources Association (IWRA)
Edinburgh, Scotland. 25th to 29th May 2015

Thank You

Any Question Please



منزل انہی کو ملتی ہے جن کے سینوں میں جان ہوتی ہے
پروں سے کچھ نہیں ہوتا حوصلوں سے اڑان ہوتی ہے