



WASA FAISALABAD Newsletter

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CREATION OF HEALTH AND SAFETY CELL

Good practice in health and safety makes a sound business sense. It ensures protection of workers from the sufferings that may be caused by the accidents and ill health, reduce absence and sick leave, retains staff, maintains organization's reputation, boost productivity and profits and reduces insurance premiums and legal costs.

To enhance awareness on health and safety issues and to ensure the safety of workers, WASA Faisalabad has established a "Health & Safety Cell" which focuses on the protection of employees particularly the field/site staff from illness and injury.

A dedicated team has been deputed in Health & Safety Cell who are drafting "Health and Safety Policy" by keeping in view the businesses/services of WASA Faisalabad. Moreover, WASA Safety Cell has arranged trainings for its entire staff to brief them on risks involved in WASA works.



COMMENCEMENT OF WORK OF MASTER PLAN STUDY

The work on JICA Technical Assistance Project for Water Supply, Sewerage and Drainage Master Plan of Faisalabad has been commenced on 19th July, 2016. The Master Plan Study will be completed in 18-months whereas in next 12 months implementation of NRW Control Project will be implemented in three pilot areas of the city namely Sarfraz Colony, Sitara Sapna City and part of X Block of Madina Town.

The Technical Committee meeting of the project was held on 26th July, 2016 under the Chairmanship of Managing Director WASA, whereas a meeting of Joint Coordination Committee was also held on 22nd August, 2016 at P&D Department Punjab under the Chairmanship of Member (SI) on behalf of Secretary P&D Department.

The Project will be a landmark for up-gradation of water supply, sewerage, drainage and storm water drainage infrastructure to meet needs of the city for next twenty (20) years.



MEMBERSHIP OF AMERICAN WATER WORKS ASSOCIATION (AWWA)

Established in 1881, the American Water Works Association is the largest nonprofit, scientific and educational association dedicated to managing and treating water, the world's most important resource. With approximately 50,000 members, AWWA provides solutions to improve public health, protect the environment, strengthen the economy and enhance quality of life. Its members include Water Utilities, Treatment Plant Operators, Scientists, Environmentalists and others interested in Water Supply and Public Health.

During December 2015, WASA Faisalabad has also joined hands with the American Water Works Association by becoming its member. After gaining membership of AWWA, WASA Faisalabad can reap the following benefits:

- To enhance professional knowledge, management and decision-making skills.
- To remain connected with water professionals around the world to tap in order to share problems and solutions according to best practices.
- To stand with the water community to implement government regulations and legislation.
- To predict issues before they become full-blown crises.
- To provide professional development opportunities to staff.
- To improve day-to-day operations.



WORKSHOP ON NON-REVENUE WATER & PERFORMANCE BASED CONTRACT

Non-Revenue Water has become an issue in all the water utilities which needs to be addressed on urgent basis. In this regard, a workshop on Non-Revenue Water and Performance Based Contract was organized for the Water Utilities that held in Avari Lahore on April 26-29, 2016.

In workshop, various techniques were discussed for effective control of NRW. The reason being, the more is non-revenue water, the more will be more leakages, and more pumping is required to transport water from source to destination. Various techniques were discussed to identify and locate the leakages and to control NRW including the use helium gas method and acoustic rod to control NRW.



FORMATION OF QUALITY CONTROL DIVISION(QCD)

Quality of work/supplies is one of the critical factors in the success of construction projects as reliability, durability and design life of projects depend on it.

Quality control is concerned with quality standards by inspecting each unit or by sample testing of materials in a project. Quality Control Section in any organization plays a vital role in the execution of the work according to the specification / standards. On the same lines, WASA Faisalabad established a "Quality Control Division" in April 2011.

The staff deputed in "Quality Control Division" visits the project sites invariably and ensures that quality of material and construction procedures are according to the prescribed specifications. Many a time quality control staff timely pointed out imperfection and defects in quality and quantity of material. These defects were removed and delinquents were dealt with as per prevailing rules.

The key reasons to establish the Quality Control Division were:

1. To implement the Quality Standards (necessary testing) during execution of projects.
2. To improve/maintain the Quality of Work by inspecting the work during execution.
3. To improve the quality of RCC pipes used in different WASA's projects.

In this way, significant improvements in the quality of the work at different WASA's works have been observed after the formation of Quality Control Department. Also, the life of the RCC pipes is improved that ultimately results in improving the life of the project. Quality Control Department is also planning to establish a material testing laboratory to perform the necessary testing for quality improvement of WASA's projects.

RECENT WORKS/ ACHIEVEMENTS OF CLC

CLC is envisaged to serve the unserved urbanites with Water & Sanitation Services at the affordable cost. In this regard, Standard Operating Procedures (SOPs) were developed by WASA Faisalabad to select the marginalized areas for service provision. Initially, two areas "Shahbaz Nagar" and "Saifabad" were selected, and, now four more areas have been included i.e. "Sulamania Colony No.1 & 2", "Madina Abad" and "Usman Ghani" for the provision of Water & Sanitation Services through CLC Program.

CLC is trying to evoke the sense of responsibility among the communities while providing Water and Sanitation Services to them. In this context, "Responsibility Sharing Model" has been introduced by WASA Faisalabad (CLC) which is quite effective than the "Component Sharing Model" because it seems unjustified to ask poor people for cash or in kind contribution. Responsibility Sharing Model helps to reduce Operation and Maintenance cost, Water Theft, Illegal Practices etc. The said Model has been successfully implemented in "Shahbaz Nagar" where water metering initiative has also been introduced.

The key interventions of CLC are as listed below:

- * Responsibility Sharing Model.
- * Water Provision thorough Water Tanker.
- * Metered Water Supply/Connection.
- * Health and Hygiene Education Promotion Walk.
- * Water Conservation Campaigns.

The CLC is not only concerned with provision of Water and Sanitation Services but also interested in raising the living standards of the poor urbanites.



LEARNING/EXPOSURE VISIT TO VIETNAM

The Global Water Practice of the World Bank Group is partnering with the Government of Pakistan on a Water and Sanitation Technical Assistance Program (TAP). The TAP aims to assist the Government and Service Providers in developing innovative mechanisms to support improvements in the Water Supply and Sanitation Sector performance and to build support for reform and investment in the sector. Activities under the TAP are organized under urban and rural pillars, with the



First activity under the urban pillar focused on a performance based program for reducing Non-Revenue Water (NRW) in the WASAs in Punjab. Additionally, Water & Sanitation Program (WSP) is providing Technical Assistance to WASA-F in designing the NRW reduction program and framework of Performance Based Contract (PBC).



In this regard, a delegation comprising of Vice Chairman and Senior officials of WASA-F participated in an exposure and learning event held in Vietnam from March 16, 2016 to March 22, 2016. The exposure visit was arranged for WASAs of Punjab, KPK, and Sindh with an objective to meet with and learn from key players involved in Non-Revenue Water (NRW) Reduction Program. The focus was to understand the process of NRW program formulation, gain knowledge about its management, contractual, institutional, operational and regulatory framework.

WATER & WASTEWATER MANAGEMENT COURSE IN TURKEY

Exposure visit(s) is a tool that is used to facilitate learning. Benefits from Exposure Program are endless, the most important are exchange information, drawing principles and lessons that can be adapted and adopted in own country context. The participants attending the exposure visit actually take that opportunity to draw principles of best practices and interventions that can be replicated.

In this connection, the key officials from WASA Faisalabad attended a course on Water & Waste Water Management held in Istanbul (Turkey), jointly organized by the Turkish Water Institute (SUEN), Istanbul Water & Sewerage Administration (ISKI), Turkish Cooperation & Coordination Agency (TIKA), UN-HABITAT GWOPA, and Pakistan Water Operators Network (P-WON). The officials from WASA Faisalabad learnt a lot during the visit by having a mutual discussion with representatives of partner countries.



"EXTENSION OF WATER RESOURCES PHASE-I" (FRENCH FUNDED)

This project (Extension of Water Resources) was proposed in 2009 to cope with the shortfall of potable water for Faisalabad city. The key objective of this project was to provide 15 MGD water .i.e. 10 MGD from the Surface Water Treatment Plant and 05 MGD from 10 Tube Wells to enhance and improve water supply facility through Water Network Optimization.

The project has been completed and is operational since January 31, 2016.

The following were the components of this project:

- Jhal Water Treatment Plant (10 MGD).
- Rakh Branch Canal Upstream Well-Field (Gattwala) 05 MGD.
- Extension of Arterial Main.
- Improvement of Water Network Efficiency.

IMPROVEMENT OF WATER NETWORK EFFICIENCY:

Other than first three components of the project of water network efficiency improved. Following are the activities which have been performed under this initiative:

- Division of City Water Supply Network into 16 Zones.
- Pressure Reducing Valves (42) at Secondary Mains.
- Establishment of SCADA System and Hydraulic Modeling for Water Network.
- Leak detection and its repairs for 75% of existing Water Network.
- Domestic & Commercial Water Meter Installation.
- Installation of Bulk Meters (49)
- Industrial & Commercial Water Meters (Total: 585)
- Domestic Water Meters (Total: 20,000)



BENEFITS:

The following benefits are being gained from this project:

- Water Supply Per Capita increased from 28 GPCD to 38 GPCD.
- Additional Population Served 0.35 Million.
- Population to be benefitted due to improved timing and better pressure 0.7 Million.

