



**INTERNATIONAL CONFERENCE ON
CONSTRUCTION INDUSTRY
CONSTRUCTION BOOM IN PAKISTAN :
PRESENT & FUTURE**

***KW&SB outlook to Boost Construction Industry
& Efforts for Improved Service Delivery***

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1

MAJOR FUNCTIONS OF KW&SB

- ✍ BULK PRODUCTION, TRANSMISSION AND RETAIL DISTRIBUTION OF WATER**
- ✍ COLLECTION, PUMPING, TREATMENT & DISPOSAL OF SEWAGE**
- ✍ ADDITIONAL TASK OF CLEANING AND MAINTAINING NALLAHS AND STORM WATER DRAINS ENTRUSTED IN JUNE 2006**
- ✍ BILLING AND COLLECTION OF WATER & SEWERAGE CHARGES**

2

TOTAL QUANTUM OF SERVICE TO MANAGE AND LOOK AFTER

- **OVER 150 PUMPING STATIONS**
- **25 BULK RESERVOIRS ON INSTALLATIONS**
- **OVER 10,000 KM OF PIPE LINES**
- **OVER 900 MILLION GALLONS OF FLUID**
- **BILLING AND RECOVERY OF 1.4 MILLION ESTABLISHMENT / CONSUMERS.**
- **OVER 400,000 VALVES**
- **OVER 250,000 MANHOLES**
- **OVER 2,600 SQ. KMS OF AREA & 14 BILLION KARACHITES**

3

MEASURES TO IMPROVE WATER & SEWERAGE SERVICES IN KARACHI

- **Problems in water & sewerage have accumulated.**
- **A high priority is assigned to water & sewerage.**
- **A number of steps initiated & lined up to address the issues under various funding arrangements.**

4

KW&SBs APPROACH

- **KW&SB has undertaken projects which are either completed, on-going or in pipeline.**
- **These projects have brought a boom in construction industry particularly in water & sewerage sectors.**
- **The ultimate objective of the projects is to improve service delivery.**

5

CONSTRUCTION INDUSTRY & KW&SB MOVE TOGETHER

- **The nature of function of KW&SB are such that it creates a heavy demand for the following for civil works, E&M or EPC contracts:-**
 - **Construction material (cement, Steel & sand etc)**
 - **Various types of Water & Sewerage pipes i.e. Fiber Cement (FC), RCC, PVC, P-E, MS &GRP**
 - **Heavy duty electrical pumps & motors**
 - **Heavy generators**
 - **Valves, meters**
 - **Earth moving machinery (excavator, cranes, bulldozers dumper)**

6

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- To discourage use of commercial grade pipes KW&SB has pre-qualified manufactures.
- Firms / contractors are registered in KW&SB as per streamlined process.
- For development works KW&SB pre-qualifies contractors.
- KW&SB has done ground work for setting up pipe manufacturing factory in Karachi.
- Foreign investors taking keen interest in water & sewerage.
- Job opportunities generated through development activities.
- Yearly turnover of Rs. 4 billion works.

7

**PROJECTS COMPLETED,
ON-GOING & IN PIPELINE**

8

- **2nd 100 mgd K-III Project (Project completed)**

- Cost Rs. 6.5 billion to bring 100 mgd of water to Karachi

- 80% of water will be utilized for domestic purpose
 - 20% water will be utilized for industrial/commercial use to boost economic development



Water Filtration Existing Facilities

- **At present a total of 629 MGD of water is being supplied to the city of Karachi out of which 445 MGD is being filtered at:-**

• COD Filter Plant	115 MGD
• Pipri (New) Filter Plant	50 MGD
• Pipri (Old) Filter Plant	50 MGD
• NEK (Old) Filter plant	25 MGD
• NEK (New) Filter Plant	100 MGD
• Hub Filter Plant	80 MGD
• Gharo Filter Plant	<u>25 MGD</u>
TOTAL	: 445 MGD

- **EXPANSION OF WATER PURIFICATION FACILITY (PROJECT COMPLETED)**

- 100 mgd water treatment plant worth Rs. 3.2 billion at Hub (80 mgd) & (Pipri 20 mgd)

- 95% completed

- Proposed Filtration Plant COD 85 mgd, NEK 100 mgd, Cost Rs. 3 billion

11

Proposed Plan for Water Filtration

- **Shortfall 184 MGD**

- **Redressal by:**

- Constructing a new K-III filter plant at old NEK of 100 MGD**

- Enhancement of the filtration capacity at COD Hills Filter Plant by 84 MGD**

- **Community based filter plants to over contamination**

12

- **Industrial Areas Development**

- Rs. 2.9 billion earmarked for development of water, sewerage & drainage in 04 industrial areas to boost economy
- Work has commenced

- **Textile City**

- Dedicated water supply system costing Rs. 636.58 million to Textile City funded by GOP & GOS
- PC-1 under approval

13

Sewerage Improvement Plan S-III

- **Plan prepared costing Rs. 7.9 billion for improvement of sewerage & wastewater treatment & disposal to sea for environmental protection, ecological balance and overcome exposure of citizen to health hazards.**
- **PC-1 approved by PDWP followed by approval of CDWP & ECNEC**
- **GOP has promised for funding the project.**

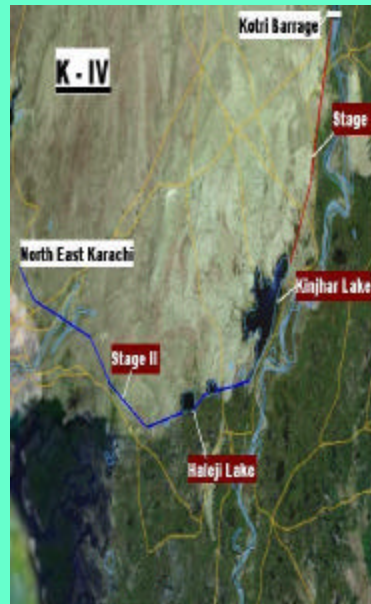
14

- **System Strengthening to reduce water losses**

- Cost Rs. 2.1 billion. Project approved by ECNEC.
- Process for selection of consultants completed
- Survey, Planning & design under process.
- Execution of works expected to start by end 2006

- **K-IV Project**

- Study for alternate route for K-IV awarded and work in process
- Consultancy has prepared inception report.
- Work on construction for Phase-1 of K-IV (150 mgd) for Karachi would commence in early 2007.



RESTRUCTURING OF KW&SB

- Institutional reforms in KW&SB in hand for improved service delivery & to transform KW&SB into a sustainable organization.**
- For redressal of complaints a fully equipped Customer Service Centre being established at 9th Mile Karsaz.**

19

INCENTIVE TO BOOST CONSTRUCTION INDUSTRY / BUILDERS

- Rationalization of water connection charges to boost the construction industry & to reinforce efforts of builders for development of city.**
- Salient Features**
 - Procedure for water connection to commercial, industrial & housing complexes simplified.**
 - Discretion powers of officials withdrawn.**
 - Procedure made transparent**
 - Charges reduced**
 - Prompt disposal of requests being practiced.**

20

Thanks for your attention