

**LIST OF WATER SUPPLY AND SEWERAGE PROJECTS UNDERTAKEN BY  
MM PAKISTAN (PVT) LTD.**

Project	Client	Description	Fee Million	Value Million	Completion
36" Dia MS Trunk Mains from Hub Treatment Works to Saudabad Pumping Station	Karachi Water and Sewerage Board	<p>For the purpose of improving water supply system of Saudabad Malir, KWSB has planned to lay 36" diameter pipeline from Pipri Treatment Works to Saudabad, a dedicated supply system. The present water shortage in the area will be eliminated and water will be equitably distributed around Malir and Saudabad. The project is to be implemented in 14 months.</p> <p>MMP consultants have been appointed by KWSB for detail design and supervision of the project.</p>	Rs. 12.066	Rs. 980	2010
Conduction of Water from River Indus / Jhelum to Islamabad	Capital Development Authority	<ul style="list-style-type: none"> <li>▪ Assess additional water requirements for Islamabad upto year 2030, initial estimates at 800 cusecs;</li> <li>▪ Source selection for additional water supply for Islamabad;</li> <li>▪ Selection of feasible and most economic route for the conduction main;</li> <li>▪ Design of intake structure; pump stations and treatment plant (civil works);</li> <li>▪ Selection of E/M plant suppliers;</li> <li>▪ Construction supervision of the project (after design phase); initially estimated for 3-4 years i.e upto March 2009.</li> </ul>	14.275 Design  41.25 CS	18 billion Phase I	Design 2006 CS 2010
Rehabilitation and Strengthening of Water Supply System Under K-III Project	Karachi Water & Sewerage Board	<ul style="list-style-type: none"> <li>▪ Producing an overall existing water supply asset map of 18 towns of Karachi city, covering conveyance and distribution system with particular reference to water trunk mains ranging 33" dia to 72" dia.</li> <li>▪ Leakage detection survey showing previously repaired leaks pin-pointing places where frequent leakages occur.</li> <li>▪ Prepare an aging plan of the transmission and water distribution system to identify such portions of the system where it has completed economic design life and where there are visible signs of deterioration and damage resulting in water loss.</li> <li>▪ Devise the concept of metering in the context to ensure equitable distribution of water and measured flows to the 18 towns of Karachi.</li> <li>▪ Complete detail design and preparation of engineering estimates.</li> <li>▪ Provide specialist services for all contracts with an integrated team of experienced and qualified engineers.</li> <li>▪ Supervision of commissioning and setting to work to the specified standard.</li> </ul>	Rs. 62.18		2009

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Hub and Pipri Treatment Works and Manghopir Pump Station	OCEF / KWSB	Preconstruction stage: Review prev. reports on Hub Treatment Plants and firm-up recommendation; Review preliminary design report on Manghopir Pump Station; Finalise Project. Detailed Design, Geotechnical Investigation, Implementation Programme; Assist Evaluation of Bids. Construction supervision Stage: Provide supervision services; approval of plant design; Provide specialist service; Finalise O&M manual; Supervise operator training programme; Visit to manufacturers. Strengthening KWSB's capabilities commissioning and operation reporting on design completion.	Rs. 43.8	Rs. 5100	2006
Fact Finding & Recommendation Study on Water Supply and Sewerage System in Karachi	Japan International Cooperation Agency (JICA)	JICA in respond to Pakistan Government's request to Government of Japan for technical cooperation has decided to undertake Development Study for Karachi Water and Sewerage Master Plan. Towards preparation for a comprehensive study for master planning a preliminary data collection and situation analysis study.  Main goal of this Fact Finding Study is to collect and analyse the data and information to improve the present condition of water supply and sewerage service in Karachi. In order to bring those improve the present condition of water and sewerage service in Karachi. In order to bring those improvements, this study analyses existing system including socio-economic, environmental condition and the KWSB's institutional and financial situation. Special attention to water scarcity and sewerage overflows in slump areas (Katchi Abadis) shall be paid on the humanitarian grounds. Key findings of the study will encompass the plan and strategy of further project activities	Rs. 1.5		2005
Urban Water Supply and Sanitation Project, Rawalpindi	ADB	Rehabilitation and improvement of rawal lake treatment plant; rehabilitation on conductance main construction of new conductance main rehabilitation of existing tubewells; installation of new tubewells; installation of meters, rehabilitation of priority areas sewerage system, hydrogeological study, Rawalpindi lake catchment study, master plan for sewage and drainage, preparation of development package of next phase.	Rs. 100.9	Rs. 4000	2003
PDOHA-Bulk Water Supply Project (New Pumping Main)	DHA, Karachi	The scope of services included the study of various alternatives for protection of existing main, selection of suitable alternative, field investigations, evaluation of existing bulk water supply system, detailed engineering design of the new pipeline, design of inter-connection pipe, preparation of Tender	Rs. 3.6	Rs. 150	2003

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Hub Canal Rehabilitation	KW&SB	Documents, BoQs, Cost Estimates, recommendation on implementation arrangements, Pre-bid services, contract management and construction supervision  The services provided as follows: <ul style="list-style-type: none"> <li>▪ Detailed Supervision of rehabilitation comprising desalting weed-removal and lining repairs.</li> <li>▪ Contract Supervision on behalf of KWSB.</li> <li>▪ Quality Control of rehabilitation works to be done by contractors already appointed by KWSB.</li> <li>▪ Monitoring of Canal behaviour after rehabilitation.</li> <li>▪ Collect other related data and shutdown procedure for firm's own interest in the next project.</li> </ul>	Rs. 0.4		2003
Design vetting & supervision of Disposal Wells at Kadanwari Gas Field - Rehabilitation of Disposal Wells.	LASMO	Design and Construction supervision of 2# additional waste water Disposal wells, including hydro geological investigation	Rs. 0.275		1999
Sindh Rural Water Supply and Sanitation Project	World Bank	Provision of technical assistance to strengthen PHED, Sindh through training and the development of a participatory approach to the implementation of rural water supplies.	Rs. 68.0	Rs. 3400	1999
Malir Bulk Water Supply	Govt. of Sindh	Collection of data and information study existing sources. Preparation of feasible independent bulk water supply system for MDA area after investigation various alternate sources e.g. Indus, Hub, Groundwater, Dumlottee Wells and desalination. Environment Impact of suggested alternate, PC-I, Financing Plan.	Rs. 0.875	Rs. 700	1999
Feasibility of Providing Conduction Main From Shah Allah Ditta Reservoir to Different Sectors of Islamabad	CDA, Govt. of Pakistan	Study of Feasibility and detailed design and geotechnical investigation regarding design of 25 Km long Conduction Main from Shah Allah Ditta Reservoir which gets its share of treated water from Khanpur Dam under the Metropolitan Water Supply Project via Sangjani, to the priority sectors of Islamabad.	Rs. 4.0	Rs. 640	1999
Socio-Economic Study for Korangi Sewerage and Wastewater Management Project	KW&SB, Govt. of Sindh	The field study was conducted to formulate alternative livelihood package for agricultural workers who might be affected by the project. Also, Social survey of Korangi and Landhi townships were conducted to assess the willingness to pay for improved sanitation facilities	Rs. 8.15		1998
ICI - PTA Plant Water Supply Main - Port Qasim	ICI	Construction Supervision of a 51 Km Water Supply Pipeline at Port Qasim.	Rs. 5.2	Rs. 300	1997
Lahore Urban Drainage Construction Supervision Consultancy	WASA, Govt. of Punjab	Construction management, supervision quality control, certification of work. Monthly reporting on overall progress, contractors resources, details of material at site and status of payment.	£ 0.27 Rs. 3.3	Rs. 400	1997

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Leak Detection Study	KDA	Evaluated the potential to reduce leakage by developing and active leakage control policy. The main feature was pilot test area on which the economic benefits of different methods of control were assessed. Training was a major component of the project covering all aspects required to develop, establish and maintain a leakage control policy.	£ 0.075	Rs. 110	1994