



SMHB

38, Jalan 1/76D, Desa Pandan,
55100 Kuala Lumpur, Malaysia
Tel 603-9281 1122
Fax 603-9281 1199
Website www.smhb.com
Email smhbki@smhb.com



TYPICAL RIVER REHABILITATION AND BEAUTIFICATION PROJECTS UNDERTAKEN BY SMHB

* updated March 2023

Scheme	Description	Completion Year
1. Study and Design for the Rehabilitation of Sg. Linggi, Negeri Sembilan	<p>Study and design.</p> <p>Mitigating the deteriorating water quality using structural and non-structural measures.</p> <p>Main issues addressed: (a) Solid Waste Management; and (b) River Management with sub-components (1) Wetlands and (2) River Corridor plan encompassing beautification of the riparian with landscape, public facilities and riverbank restoration, the provision of sediment basins/traps.</p> <p>SMHB was engaged by JPS to provide the following engineering services:</p> <p>Part 1: Review of past studies, carry out investigation, modelling and study, and recommend options for rehabilitation of Sg. Linggi.</p> <p>Part 2: Detailed design of Immediate Works identified in the study and accepted for implementation by the Government.</p>	2010
2. Propose Use of Interceptor Sewer to Improve Water Quality in the Klang River	<p>Technical review and study of:</p> <ul style="list-style-type: none"> Monitoring and reporting of flows in the storm water drainage channels into the section during dry weather and storm flows. Assessment and review of the flow that would be intercepted by the system during dry weather and storm flows. Detailed assessment of the adequacy of the design of the proposed sewerage interception system. Review of the proposed routing of the sewer network which includes alternatives and optimisation. Detailed assessment of the design of the Pantai STP in relation to the adequacy of coping with additional flows received from the proposed sewage interception scheme. Environmental impact assessments. 	2007 – 2008
3. Melaka River Rehabilitation and Beautification Project Phase 3	<p>Hydraulics and environmental studies.</p> <p>Services provided include sediment and water quality modelling, advice on the</p>	2006 – 2007



Scheme	Description	Completion Year
	<p>operation of the barrage system, advice on tidal lagoon sedimentation and analysis to confirm size of scour protection works downstream and upstream of the barrage.</p> <p>EIA study comprising assessment of water quality, wastewater characteristics, river ecology, terrestrial flora and fauna was carried out for the section along Melaka River from Hang Jebat bridge to the river mouth.</p>	
4. Melaka River Rehabilitation and Beautification Project Phase 2	<p>Design study and construction supervision.</p> <p>Construction of river embankment walls complete with boardwalk/river walkway to link Parcels 1 & 2 boardwalk/river walkway.</p> <p>Construction of new drainage outfalls.</p> <p>Construction of interceptor sewerage system.</p>	2005 – 2007
5. Melaka River Rehabilitation and Beautification Project Phase 1	<p>EIA, detailed design and construction supervision.</p> <ul style="list-style-type: none"> Hydrologic and hydraulic modelling of Melaka River to ascertain the impact of river embankment works. River embankment wall to stabilise and beautify the river banks, and boardwalk for nature conservation. Surface drainage improvement works and interfacing with river embankment works. Sewer interceptor systems and sewage treatment plant. Minor dredging of Melaka River. Storm water pump station to solve localised flooding. Bridge to CIQ Complex. Tidal analysis and design of tidal barrage. 	2004 – 2006