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CERTIFIED TO ISO 9001:2015  
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CERTIFIED TO ISO 14001:2015  
CERT NO.: EMS 00552



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# BARRAGE PROJECTS BY SMHB AND ASSOCIATED FIRMS

\* updated February 2023

| Scheme   | Description   | Year      |
|--|---|-----------|
| 1. Feasibility Study and Construction Design of a Barrage in Sedili Besar River, Johor               | Feasibility study for the construction of a barrage for the development of Sedili Besar River as a potential raw water source and control of saline intrusion   | 2020-2021 |
| 2. Feasibility Study of the Construction of Bernam River Barrage for Bagan Datuk Water Supply, Perak | Feasibility study for the construction of Bernam Barrage for water supply for Bagan Datuk district in Perak   | 2018-2019 |
| 3. Johor River Barrage, Johor  | <p>Feasibility study, environmental study, engineering design and tender documentation, construction supervision.</p> <p>The objective of the Project is to augment existing water resources within Sungai Johor basin by an estimated 400 Mld in addition to controlling salinity intrusion to ensure the existing water intakes are not affected adversely by high saline content in the raw water.</p> <p>River barrage with five gates of 10 m width and 6.85 m height and a navigation lock.</p> | 2012-2017 |
| 4. Johor Water Resources Study 2010-2060   | Conceptual design of a barrage across Sg. Johor.  | 2010      |
| 5. Sungai Melaka Rehabilitation and Beautification Project Phase 3                                   | Hydraulics and environmental studies for a tidal barrage to control the water level in Sungai Melaka for river cruise activity.   | 2006      |
| 6. Hydrological, study of Sungai Sarawak Kiri Catchment, Sarawak                                     | A study to determine the safe run-of-river yield of Sungai Sarawak Kiri. One of the developments proposed under the Sungai Sarawak Regulation Scheme was construction of gated barrage and cut-off channel.   | 1994-1995 |
| 7. Skudai Waterworks Flood Control Structures  | Flood control gates at Skudai Waterworks in Johor for PUB Singapore Water Department.   | 1986      |
| 8. Kuantan Water Supply and River Barrage  | River barrage of 100 m wide with 7 gates of 12.2 m across Sungai Kuantan to prevent saline intrusion and to maintain water supplies of acceptable quality and quantity.   | 1980-1985 |
| 9. Penang Water Supply – River Muda Water Scheme, Malaysia   | Reinforced concrete tidal barrage 90 m wide with 6 radial gates constructed across the River Muda to form a saline free pond for water supply use.  | 1968-1973 |