



خانصاحب سايكس
KHANSAHEB SYKES

00971 800 79537



CASE STUDY

Stormwater Overpumping Solution Protecting Critical Healthcare Infrastructure, Al Ain

Call 00971 800 79537 or visit www.khansahebsykes.com

Hire ■ Sales ■ Service ■ Install

CASE STUDY

Khansaheb Sykes Delivered a Critical Flood Mitigation Solution at Tawam Junction, Al Ain

The project demanded absolute reliability. During seasonal storm events, sudden surges in stormwater posed a direct risk to hospital access routes, surrounding infrastructure, and public safety. Any failure in water management at this location risked significant disruption to emergency services and the wider transport network.

Our brief was clear: engineer a robust, rapid-response overpumping system capable of maintaining full operational control under peak inflow conditions.

Why KE203?

- Exceeds the flow requirement
- Handles solids
- Rated for deep submersion
- Reliable in standby
- Simple to run manually



KE203
Submersible Wastewater Pump

1 CHALLENGE

The installation centred on a 20-metre-deep stormwater lift station in a live urban environment, where chamber depth and unpredictable surges created a high-risk hydraulic scenario demanding precise control. Its proximity to critical healthcare infrastructure and a key traffic roundabout meant any failure risked emergency access and patient transport routes.

This was a risk management exercise requiring engineered resilience, not just pumping capacity.



2 SOLUTION

The Khansaheb Sykes team deployed a targeted overpumping system for reliability and rapid response.

2 x **KE203 Submersible Wastewater Pumps**, installed within the stormwater lift station with manual control, ran in a duty/standby arrangement - both capable of operating simultaneously during peak storms.

Each pump's capacity exceeds the required 270m³/hr flowrate, giving headroom for surges, with solids handling to prevent blockages and a discharge system built for uninterrupted transfer.



3 OUTCOME

The system kept the healthcare facility and roads fully accessible through storms. That reliability led the municipality to extend the project, establishing it as Khansaheb Sykes' proven model for high-risk urban stormwater control.

- Uninterrupted healthcare access throughout storm events
 - Zero flood-related disruption to roads/traffic
 - Project scope extended by the municipality
- Proven model for high-risk urban stormwater control





Need a rapid-response overpumping solution you can rely on?

Khansaheb Sykes delivers rapid, reliable water management solutions across the region. Speak to our team today!



00971 800 79537



khansahebsykes.com



Nationwide
Coverage



4 Hour *Rapid*
Delivery



24-Hour
Services



Worldwide
Locations