

MHM · METP SERIES

MHM Effluent Treatment Plant

Biological and chemical ETP, 10–5000 m³/day, meeting DoE discharge limits.

Origin: Designed and built in Bangladesh · Category: ETP & STP



CAPACITY

**10–5000
m³/day**

PROCESS

**Bio +
chemical /
MBBR**

OUTLET COD

< 200 mg/L

COMPLIANCE

DoE / ZDHC

AUTOMATION

PLC dosing

WARRANTY

12 months

Overview

MHM designs and builds effluent treatment plants for dyeing, washing and pharmaceutical wastewater with equalisation, chemical dosing, DAF or clarifier, activated sludge or MBBR and tertiary filtration. Plants are sized to meet Department of Environment discharge standards for BOD, COD, TSS and colour.

Sewage treatment plants (STP) with MBBR or MBR for residential and commercial buildings are supplied by the same team, with operation contracts available.

Design features

Engineered for Bangladesh conditions

Rated for 45 °C ambient, 95% humidity and 380–415 V / 50 Hz supply with wide voltage tolerance.

Genuine parts and AMC

Spares stocked in Dhaka; annual maintenance contracts with 24-hour response.

Installed by MHM technicians

Own site team for supply, installation, testing and commissioning.

Energy-efficient design

Premium-efficiency motors and drives reduce running cost from day one.

Remote monitoring ready

Modbus / BACnet interface for BMS integration.

Documented handover

Test reports, O&M manual and drawings supplied with every project.

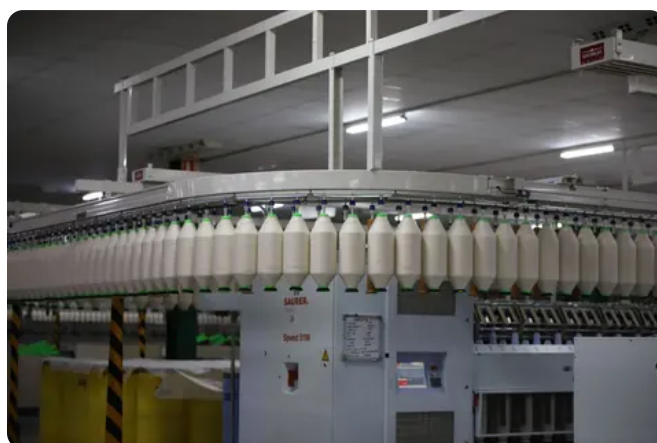
Typical applications

- Textile dyeing and washing
- Pharmaceutical wastewater
- Food processing
- Residential STP

Technical data — METP Series

Model	Flow (m ³ /day)	Process	Aeration (kW)	Footprint (m ²)	Sludge (kg/day)
METP-0050	50	Chemical + bio	5.5	120	15
METP-0250	250	Bio (ASP)	22	400	80
METP-1000	1000	MBBR + DAF	75	1200	350
METP-2500	2500	MBBR + clarifier	160	2600	900
METP-5000	5000	Bio + tertiary	315	4800	1800

Ratings at standard conditions stated in the facts above. Intermediate capacities, alternative voltages and special options on request; MHM selects the model for your load, ambient and water conditions.



**Selection, installation and after-sales by MHM Engineering**

Send your capacity, ambient / water conditions and site drawings to sales@mhmmachineries.com or call +880 1321-206755. Every MHM unit is commissioned by our own engineers and covered by an annual maintenance contract with genuine spares stocked in Dhaka.