

PLANT PERFORMANCE REPORT

ABC INDUSTRIES LTD.

Plant Capacity : 500KLD

From: 27 May 2026 16:23

To: 28 May 2026 16:23

Plant Operational KPIs

Total Inlet Flow 1,911.3 m³/h	Treated Water Output 1,921.63 m³/h	Average DO 3.01 mg/L	Media Fill 45.07 %
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Flow & Equalization Performance

Parameter	Minimum	Average	Maximum
Inlet Flow	1.02 m³/h	19.91 m³/h	39.93 m³/h
EQ Outlet Flow	0.41 m³/h	20.96 m³/h	39.59 m³/h
EQ Tank pH	5.11	6.97	8.92

MBBR Reactor Performance

Parameter	Minimum	Average	Maximum
DO	0	3.01 mg/L	5.95 mg/L
Media Fill	20.74 %	45.07 %	69.17 %
ORP	-290.78 mg/L	20.93 mg/L	294.01 mg/L
pH	5.07	5.07	8.97
Air Header Pressure	0	0.7 bar	1.49 bar

Clarifier & Sludge Management

Parameter	Minimum	Average	Maximum
Sludge Blanket Level	0.16 m³	9.17 m³	19.82 m³
Clarifier Turbidity	0.05 NTU	9.76 NTU	19.77 NTU
RAS Flow	0.18 m³/h	14.62 m³/h	29.89 m³/h
WAS Flow	0.25 m³/h	4.93 m³/h	9.99 m³/h
Sludge Tank Solids	0.1 %	4.35 %	9.86 %

Treated Water Performance

Parameter	Minimum	Average	Maximum
Outlet COD	58.41 mg/L	58.41 mg/L	58.41 mg/L
Outlet BOD	27.86 mg/L	27.86 mg/L	27.86 mg/L
Outlet TSS	8.9 mg/L	8.9 mg/L	8.9 mg/L
Treated Water Turbidity	7.59 NTU	7.59 NTU	7.59 NTU
Residual Chlorine	1.77 mg/L	1.77 mg/L	1.77 mg/L

Energy & Equipment Performance

Parameter	Minimum	Average	Maximum
Total Plant Power	60.88 kW	60.88 kW	60.88 kW
Blower Power	12.86 kW	12.86 kW	12.86 kW
Pump Power	32.65 kW	32.65 kW	32.65 kW