

Energy & Equipment Performance Report

ABC INDUSTRIES LTD.

Plant Capacity : 500KLD

From :27 May 2026 16:24

To :28 May 2026 16:24

Energy Performance KPIs

Total Plant Power

6,058.09
kW

Blower Power

3,719.53
kW

Pump Power

1,721.1
kW

Plant Energy Consumption Analysis

Parameter	Minimum	Average	Maximum
Total Plant Power	5.73 kW	63.11 kW	119.41 kW
Blower Power	5.46 kW	38.75 kW	69.83 kW
Pump Power	1.2 kW	17.93 kW	34.45 kW
Voltage	351.5 V	417.52 V	476.57 V
Current	5.08 A	94.16 A	178.15 A

MBBR Aeration Blower Performance

Parameter	Average Frequency	Average Current
Blower - 1	27.01 Hz	19.83 A
Blower - 2	28.88 Hz	20.14 A

Pump Performance Analysis

Equipment	Runtime (min)	Flow
EQ Transfer Pump - 1	690	20.96 m³/h
RAS Pump - 1	690	14.62 m³/h
WAS Pump - 1	795	4.93 m³/h
Sludge Feed Pump	630	4.16 m³/h
EQ Transfer Pump - 2	585	20.96 m³/h
RAS Pump - 2	645	14.62 m³/h
WAS Pump - 2	600	4.93 m³/h

Filter System Performance

Parameter	Inlet Pressure	Outlet Pressure	Differential Pressure
Pressure Sand Filter	1.41 bar	0.39 bar	1.02 bar
	2.93 bar	3.46 bar	-0.53 bar