

Energy & Equipment Performance Report

ABC INDUSTRIES LTD.

Date : 17/06/2026

Date : 19/06/2026

Plant Capacity : 500KLD

Energy Performance KPIs

Total Plant Power

6,713.58
kW

Blower Power

3,166.52
kW

Pump Power

2,088.16
kW

Plant Energy Consumption Analysis

Parameter	Minimum	Average	Maximum
Total Plant Power	21.9	25.82	31.8
Blower Power	8.7	12.18	16.55
Pump Power	5.76	8.03	11
Voltage	400.59	405.36	410.01
Current	33.58	36.7	39.66

Aeration Blower Performance

Parameter	Average Frequency	Average Current
Blower - 1	46.36	0.62
Blower - 2	33.2	0.03

Pump Performance Analysis

Equipment	Runtime	Flow
EQ Transfer Pump - 1	2,281.26	18.63
RAS Pump - 1	2,361.26	8.18
WAS Pump - 1	2,311.31	4.83
Sludge Feed Pump	2,321.33	2.28
EQ Transfer Pump - 2	310.16	18.63
RAS Pump - 2	230.16	8.18
WAS Pump - 2	280.11	4.83

Filter System Performance

Parameter	Inlet Pressure	Outlet Pressure	Differential Pressure
Pressure Sand Filter	1.32	1.14	-0.18
Activated Sand Filter	1.08	0.89	-0.18