

Electrical Load Calculations

The total power consumption is about 49kW

S/N	Equipment	Electrical Load	Operating Status	Nos
1	Seawater Feed Pump	7.5kW	Continuous Operation	1
2	Seawater Booster Pump	4kW	Continuous Operation	1
3	Backwash Control Box of Segmented Filter	0.055kW	Intermittent Operation	1
4	Pass-1 RO High Pressure Pump	18.5kW	Continuous Operation	1
5	Pass-1 RO High Booster Pump	5.5kW	Continuous Operation	1
6	RO Chemical Cleaning Pump	5.5kW	Intermittent Operation	1
7	Metering Pump	0.066kW	Continuous Operation	3
8	Mixer	0.32 kW	Intermittent Operation	2
9	Air Conditioner and Lighting	7kW	Intermittent Operation	2
	Total (including intermittent operation)	48.441kW		

This table is applicable to K.Kaashidhoo, Lh.Kurendhoo, R.Alifushi, Ha.Kelaa, Ga.Dhaandhoo island of Maldives.

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