

APPENDIX 6 DISTRIBUTION AND WAREHOUSE STORAGE FACILITY - ELECTRICAL DEMAND

Table Appendix 6-1 Distribution and Warehouse Storage Facility - Electrical Demand

Ref	Description	m ²	W/m ²	Design kW	Diversity	Running kW
1	100,000 m² Distribution Warehouse	100,000	17.03	1,703	0.75	1,271
1.1	Warehouse Space	95,000	9.50	903	0.70	629
	Lighting	95,000	7.50	713	0.65	463
	Power	95,000	1.00	95	0.75	71
	HVAC	95,000	1.00	95	1.00	95
1.2	Office Space	5,000	100.00	500	0.92	461
	Lighting	5,000	15.00	75	0.90	68
	Power	5,000	25.00	125	0.75	94
	HVAC	5,000	60.00	300	1.00	300
1.3	External circulation / lorry park	100,000	3.00	300	0.60	180
	Area Lighting	100,000	3.00	300	0.60	180
2	Area road lighting (Say 1 km dual carriageway)	1	15.00	15	1.00	15
	Road Lighting - W/m of road	1	15.00	15	1.00	15
		200,000	8.59	1,718	0.75	1,286
	25%			429		
	Total			2,147		