

Electrical Load Assessment

22nd May 2017

Document Reference: 0646-01 - Electrical Load Assessment rev0 22.05.17

FAO: Ms. Doris Sammut Bonnici

Premises Reference: Green Skip Services Ltd., Admin Building, Ta' I-Imriekeb, Ramla Road, Maghtab, Naxxar, NXR6542

Application Description: Electricity Supply Upgrade

Dear Sir,

With reference to the above subject in caption, the scope of this report is to estimate the total electrical load of the existing development.

This report is based on our understanding of the premises, an indication of the existing services within the existing development, the extent and type of services required for the future expansion, based on the current typical loading of various types of equipment available on the market.

The Electricity Consuming Services and Equipment

Based on the inspection carried out at the premises and the information provided by the Client, the following equipment are considered in terms of electrical consumption:

- General & Emergency Lighting for all Indoor Areas;
- General Power;
- Ventilation and Air Conditioning equipment in all habitable rooms within the Development;
- Hot Water Heating Equipment;
- Extra Low Voltage Systems including Fire Detection Systems, CCTV System, Telephony Systems;
- Recycling Equipment.

The Load Assessment

The below schedule provides an overview of the Electrical loadings that are foreseen to be required in the proposed building.

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Maghtab Premises							
Development Designation	Reference	Total Electrical Load (kW)	Mech Equipment Load (kW)	Mech Cooling Load (kW)		Total Load (kW)	Total Load @ 0.9 PF (kVA)
<i>Green Skip Services Ltd.</i>	All Levels	10	80	25		115	127.78
Sub-Total							127.78kVA
Site Diversity Factor							0.90
Total Anticipated Electrical Load							115 kVA

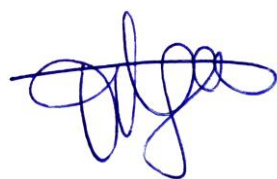
Other services which have not been specifically outlined above were not included in this load assessment.

Conclusions

From the above analysis, the total diversified electrical load required amounts to 115kVa. It shall be noted that such load is based on the proposed floor designations as proposed in the MEPA application.

We trust that the above report meets your requirements, but should require any further clarifications, do not hesitate to contact us.

Yours faithfully,



Ing. Vincent Rapa

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