

Electrical Safety Checklist

Construction

CONSUMER MAINS

Voltage drop

Cable core identification

Carrying capacity at present

Wiring connection

Condition of aerial installation

EARTHING

Are earthing conductors compliant?

☐ Yes ☐ No ☐ Na

Are there adequate connections, joints and terminations?

☐ Yes☐ No☐ Na

Are earth electrodes installed?

☐ Yes☐ No☐ Na

Is the main earthing conductor tagged?

☐ Yes☐ No☐ Na

Are equipotential bonding conductors available?

☐ Yes☐ No☐ Na

Is there adequate protection against external factors like UV light?

☐ Yes☐ No☐ Na

Is there a requirement for additional earthing of equipment?

☐ Yes☐ No☐ Na

When needed, is the conductive building material connected with earth?

☐ Yes☐ No☐ Na

ELECTRICAL SAFETY

Installation type (commercial/domestic)

☐ commercial☐ domestic

Any additions or alterations

Installation age

Estimated age of alteration

ELECTRICAL SYSTEMS

What is the general condition of electrical equipment on the site?

Are installed downlights compliant?

☐ Yes ☐ No ☐ Na

Do the equipment have adequate fixing and support?

☐ Yes ☐ No ☐ Na

Is the equipment suitable for the environment it is being operated in?

☐ Yes ☐ No ☐ Na

Are there any loose wirings?

☐ Yes ☐ No ☐ Na

Are there adequate isolation devices where needed?

☐ Yes ☐ No ☐ Na

Is the equipment installation done as per manufacture guidelines?

Yes

No

Na

Is there protection against hazardous parts?

Yes

No

Na

Do all equipment have user manuals and operating instructions handy?

Yes

No

Na

Are all equipment serviced regularly?

Yes

No

Na

EXIT CHECKS

Are all the switchboards secure?

Yes

No

Na

Are the MEN connections intact?

Yes

No

Na

Is the circuit connection and mains restored to original state?

Yes

No

Na

Are all the tools and equipment safely packed and returned to the vehicle?

Yes

No

Na

Is the person in control informed of departure?

☐ Yes☐ No☐ Na

Has the person in charge suggested the changes to be made?

☐ Yes☐ No☐ Na

Is the general condition of electrical installation compliant?

☐ Yes☐ No☐ Na

SWITCHBOARDS

Are all switchboards easily accessible and not in restricted areas?

☐ Yes☐ No☐ Na

Do all switchboards have insulators and enclosures and there is no contact with live parts?

☐ Yes☐ No☐ Na

Are they protected against the spread of fire?

☐ Yes☐ No☐ Na

Are the main connections intact?

☐ Yes☐ No☐ Na

Do the switchboards have inbuilt or installed protection devices?

☐ Yes☐ No☐ Na

Are the devices compliant for over current protection?

☐ Yes☐ No☐ Na

Are connecting devices compliant?

Yes

No

Na

Are isolating devices compliant?

Yes

No

Na

Is there enough protection against mechanical damage, UV rays and external factors?

Yes

No

Na

Are wiring and switchgears securely connected?

Yes

No

Na

Are all switchboards well marked?

Yes

No

Na

Are there RCDs installed on circuits applicable?

Yes

No

Na

Do the consumer mains have protection against over current?

Yes

No

Na

Is there a provision for automatic supply disconnection in case of a fault?

Yes

No

Na

WIRING SYSTEMS

Cable core identification

Current carrying capacity of conductors

Are cables terminated as per requirement?

Support and fixing done?

How is the overhead wiring in the system?

Checked cable installation in ceiling space near manhole etc?

Checked the protection of mechanical damage and other external influences?

Are wirings away from gas, water and solar systems?