ELECTRICAL INSTALLATION CERTIFICATE

(Requirements for Electrical Installations – BS 7671 IEE Wiring Regulations)

DETAILS OF THECLIENT

Client/ Address:	

DETAILS OF THE INSTALLATION

Address:		**New**	
Extent of the installation covered by this Certificate:		**An Addition**	
		An Alteration	

DESIGN

I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below, particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby Certify that the design work for which I/We have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amended to N/A except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3.120.4)

The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate. For the DESIGN of the installation:

*** (Where there is divided responsibility for the design)***

Signature		**Date**		**Name (CAPITALS)**		**Designer 1**
Signature		**Date**		**Name (CAPITALS)**		**Designer 2 **

CONSTRUCTION

I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature(s) below, particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby Certify that the construction work for which I/We have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amended to N/A except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3.120.4)

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the CONSTRUCTION of the installation:

Signature		**Date**		**Name (CAPITALS)**		**Constructor**

INSPECTION AND TESTING

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signature(s) below, particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby Certify that the inspection and testing work for which I/We have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671:2008 amended to N/A except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3.120.4)

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the INSPECTION AND TESTING of the installation:

Signature		**Date**		**Name (CAPITALS)**		**INSPECTOR**
Reviewed by						
Signature		**Date**		**Name (CAPITALS)**		**Qualified Supervisor**

DESIGN, CONSTRUCTION, INSPECTION AND TESTING

* This box is to be completed only where the design, construction, inspection and testing have been the responsibility of one person.

I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the inspection and testing work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671:2008 amended to N/A except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3.120.4)

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.
For the DESIGN, CONSTRUCTION, and the INSPECTION AND TESTING of the installation.

Signature		Date		Name (CAPITALS)		INSPECTOR
Reviewed by						
Signature		Date		Name (CAPITALS)		Qualified Supervisor

PATICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION

DESIGN (1) Organisation			
Address:		Registration No. (Where appropriate)	
		Branch number (If applicable)	
DESIGN (2) Organisation			
Address:		Registration No. (Where appropriate)	
		Branch number (If applicable)	
CONSTRUCTION Organisation			
Address:		Registration No. (Where appropriate)	
		Branch number (If applicable)	
INSPECTION & TESTING Organisation			
Address:		Registration No. (Where appropriate)	
		Branch number (If applicable)	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System Types		Number and types of live conductors						Nature of supply Parameters		
TN-S		A.C.				D.C.		Nominal Voltage U/Uo		Volts
TN-C-S		1-Phase 2 wire		1-Phase 3 wire		2 pole		Nominal Frequency		Hz
TN-C		2-Phase 3 wire				3 pole		Prospective fault current		kA
TT		3-Phase 3 wire		3-Phase 4 wire		Other		External Ze		Ohms
IT		Other						Number of supplies		

CHARACTERISTICS OF THE SUPPLY OVERCURRENT PROTECTIVE DEVICE

Type BS/EN		Nominal current rating		Amps	Short circuit capacity		KA

PARTICULARS OF INSTALLATION AT THE ORIGIN

Means of earthing | **Details of installation Earth Electrode (where applicable)**

Supplier's facility		Type: (e.g. rods, tape ect)		Location	
Installation earth electrode		Electrode resistance, RA	Ohms	Method of measurement	
Maximum Demand (Load) Per phase	Amps	Method of protection against indirect contact	EEBADS		

Main Switch or circuit-Breaker

Type BSEN		No. Of poles		Voltage rating	V	Current rating	A	RCD IΔn	mA	RCD at IΔn	mS

Supply conductors

Conductor material		Conductor csa	mm^2

Earthing conductors

Conductor material		Conductor csa	mm^2	Continuity check	(✓) OK

Main equipotential bonding conductors

Conductor material		Conductor csa	mm^2	Continuity check	(✓) OK

Bonding of extraneous conductive parts (✓)

Water service		Gas service		Oil service		Structural steel		Lightning protection		Other services		List in report notes

COMMENTS ON THE EXISTING INSTALLATION

Additional information and report notes

NEXT INSPECTION

I/We the designer(s), recommend that this installation is further inspected and tested after an interval of not more than

SCHEDULE OF ITEMS INSPECTED

PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK

Basic and fault protection

	SELV
	PELV

Basic protection

	Insulation of live parts
	Barriers and enclosures
	Obstacles
	Placing out of reach
	Double or Reinforced insulation

Fault Protection (Automatic disconnection of supply)

	Presence of earthing conductors
	Presence of circuit protection conductors
	Presence of main equipotential conductors
	Presence of earthing arrangements for combined protective and functional purposes
	Presence of adequate arrangements for alternative sources(s), where applicable
	PELV
	Choice and setting of protective and monitoring devices
	Non-conducting location: Absence of protective conductors
	Earth free equipotential bonding: Presence of earth free equipotential bonding conductors
	Electrical separation for one item of current using equipment
	Electrical separation for more than one item of current using equipment

Additional protection
(For use in controlled supervised conditions only)

	Presence of residual current device(s)
	Presence of supplementary bonding conductors

Prevention of mutual detrimental influences

	Proximity of non-electrical services and other influences
	Segregation of band I and band II circuits or band II insulation used
	Segregation of safety circuits

Identification

	Presence of diagrams, instructions, circuit charts and similar information
	Presence of danger notices and other warning signs
	Labelling of protective devices, switches and terminals
	Identification of conductors

Cables and conductors

	Selection of conductors for current-carrying capacity and volt drop
	Erection methods
	Routing of cables in prescribed zones
	Cables incorporating earthed armour or sheath or run in an earthed wiring system or protected against nails, screws and the like
	Additional protection by a 30mA for cables concealed in walls (where required in premises not under the supervision of skilled or instructed persons
	Connection of conductors
	Presence of fire barriers, suitable seals and protection against thermal effects

General

	Adequacy of access to switchgear and other equipment
	Presence and correct location of appropriate devices for isolation and switching
	Particular protective measures for special installations and locations
	Connection of single pole devices for protection or switching in phase conductors only
	Correct connection of accessories and equipment
	Presence of under voltage protective devices
	Selection of equipment and protective measures appropriate to external influences
	Selection of appropriate functional switching devices

√	*To indicate that an inspection or test has been carried out and the result is satisfactory*
X	*To indicate that an inspection or test has been carried out and the result was unsatisfactory*
LIM	*To indicate that an inspection or test has not been carried out following agreed limitations of inspection or testing*
N/A	*To indicate the inspection or test is not applicable*
N/V	*To indicate that details could not be verified*

SCHEDULE OF ITEMS TESTED

	External earth loop impedance, Ze		Basic protection against direct contact by barrier or enclosure provided during erection
	Installation earth electrode resistance, Ra		Insulation of non-conducting floors or walls
	Continuity of protective conductors		Polarity
	Continuity of ring circuit conductors		Earth fault loop impedance Zs
	Insulation resistance between live conductors		Verification of phase sequence
	Insulation resistance between live conductors and earth		Operation of residual current devices
	Protection by separation of circuits		Functional testing of assemblies
			Verification of voltage drop

SCHEDULE OF ADDITIONAL RECORDS (See attached schedule)

Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).

Page No(s) :

TEST INSTRUMENTS USED

Instrument Serial No(s)	
Earth fault loop impedance	
Insulation resistance	
Continuity	
RCD	
Other	N/A

NOTES FOR RECIPIENT

THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE

This safety certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed and inspected and tested in accordance with British Standard 7671 (The IEE Wiring regulations).

You should have received an original Certificate and the contractor should have retained a duplicate Certificate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules immediately to the user.

The original certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of British Standard 7671 at the time the Certificate was issued was issued. The Construction (Design and Management) Regulations require that for a project covered by those Regulations, a copy of this Certificate, together with schedules is included in the health and safety documentations.

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Certificate under “Next Inspection.”

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an alteration or addition to a existing installation. It should not have been issued for the inspection of an existing electrical installation. A “Periodic Inspection Report” should be issued for such a periodic inspection.

The Certificate is only valid if a Schedule of Inspection of Test Results is appended.

DISTRIBUTION BOARD DETAILS

DB ref.:		Z_s at this board (Ω):		I_{pf} at this board (KA):		Main switch type BSEN reference:		Rating:	Amps	Supply conductors:	mm²	Earth:	mm²
Distribution board location:				Supplied from:				No. Of phases:		Supply protective device type: BSEN reference:		Rating:	Amps

CIRCUIT DETAILS

TEST RESULTS

Circuit Reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors: Live (mm²)	Circuit conductors: cpc (mm²)	Max.Disconnection time permitted (s)	Overcurrent devices: Type BS EN	Overcurrent devices: Rating (A)	Overcurrent devices: Short circuit capacity (KA)	RCD: IΔn mA	Maximum permitted Zs Ω	Circuit impedances Ω: Ring final circuits only (Measured end to end): r_1	r_n	r_2	Circuit impedances Ω: All circuits (At least one column to be completed): $R_1 + R_2$	R_2	Insulation resistance: Phase /Phase M Ω	Phase /Neutral M Ω	Phase /Earth M Ω	Neutral /Earth M Ω	Polarity	Maximum Measured Zs Ω	RCD: At IΔn ms	At 5 x IΔn ms

CODES FOR TYPES OF WIRING								
A	B	C	D	E	F	G	H	O (other please state)
PVC/PVC CABLES	PVC CABLES IN METALLIC CONDUIT	PVC CABLES IN NON-METALIC CONDUIT	PVC CABLES IN METALIC TRUNKING	PVC CABLES IN NON-METALIC TRUNKING	PVC/SWA CABLES	XLPE/SWA CABLES	MINERAL-INSULATED CABLES	