

# *Verification (inspection and testing) of an electrical installation*

## *Section-2*

### *Supply characteristics and earthing arrangement*

*(Initial and periodic inspection of an existing installation up to 1000 V AC and 1500 V DC)*

#### *Section-1*

##### *Mains incoming*

*System earthing:* wefwfderf

*Brief note (in case of confusion):* fffffewfwef

*Number and type of live conductors:* efeef

*Brief note:* referfer

AC reerferer

Nature of supply parameters	R-Y	R-B	Y-B	R-N	Y-N	B-N	R-PE	Y-PE	B-PE
Nominal voltage U/U0 (V)	12.00	1.20	12.31	1.00	NA	434.00	3434.00	NA	3434.00
Nominal Frequency f (HZ)	12.00	1.20	12.31	1.00	NA	NA	3434.00	NA	3434.00
Prospective fault current I <sub>pfc</sub> (kA)	12.00	1.20	12.31	1.00	12.00	NA	NA	344.00	3434.00
External Loop Impedance Z <sub>e</sub> (Ω)	12.000	1.200	12.310	1.000	12.000	434.000	NA	344.000	NA

##### *Incoming (supply) protective device characteristics*

*Type of Over Current Protective Device:* 45,45,4565

*Rated current (A):* erferferf

Current for disconnection with in 0.2 seconds:

erferferf

Section-2

Alternative source of supply

Availability of alternate supply:

true

Number of alternate sources of supply:

true

Alternate supply no

ferferferfe

Short name of alternate supply:

ferferferferf

System earthing:

ferfefrefr

Number and type of live conductors:

grtgrtgrtgt

Brief note:

ghthrtgrt

AC

grtgrtgrtg

Nature of supply parameters	R-Y	R-B	Y-B	R-N	Y-N	B-N	R-PE	Y-PE	B-PE
Nominal voltage U/U0 (V)	234.53	235.12	2.40	23.00	412.00				
Nominal Frequency f (HZ)	234.53	235.12	2.40	23.00	412.00				
Prospective fault current Ipfc (kA)	234.53	235.12	2.40	23.00	412.00				
External Loop Impedance Ze ( )	234.530	235.120	2.399	23.000	412.000				

InstalledCapacity

ergertetrt

Actual Load Current (R,Y,B, N)

ertete

*Incoming (supply) protective device characteristics*

*Type of Over Current Protective Device:*

*Rated current (A):*

rtetetre

*Current for disconnection with in 0.2 seconds:*

rteterhngyn

*Brief note (in case of confusion):*

rgrtgrgrgerg

*Alternate supply no*

*Short name of alternate supply:*

*System earthing:*

fggtyhtyututu

*Number and type of live conductors:*

ertrhyjhyuj

*Brief note:*

dfrfrsdrf

*DC*

wewqedwefsf

*Incoming (supply) protective device characteristics*

*Type of Over Current Protective Device:*

*Rated current (A):*

refrerferf

*Current for disconnection with in 0.2 seconds:*

erferfre

*Brief note (in case of confusion):*

ertertrerte

**Section-3**

***Particulars of installation referred in the report***

*Maximum demand kVA:* rferferfre

*Maximum load:* rfererf

*Means of earthing :* rfefrerfef

*Type of earth electrode :* fererferref

*Material of earth electrode :* v

*No of Locations :*

Location No	Location Name	Electrode resistance to earth in ( )	Electrode resistance to grid ( )
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#### Section-4

##### ***Details of main protective conductor***

*Size of earthing conductor :* rferferferf

*Material of earthing conductor :* rferreferfre

*Earthing conductor continuity and connection verified :* true

*Size of main protective bonding conductor :* rferferfre

*Material of main protective bonding conductor :* rferferferf

*Main protective bonding conductor continuity and connection verified :* true

*Type of joints (impairing safety) :* rferferf

*No of joints :*

Location	Joint No	Joint resistance ()
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*Size of main protective earthing conductor:* ferferfef

*Material of main protective earthing conductor:* erferferf

*Main Protective Conductor continuity and connection verified:* true

*Type of Joints:* erferferf

*No of Joints:*

Location	Joint No	Joint resistance ()
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## Section-5

### *Details of main switch or circuit breaker*

<i>Location:</i>	erfegthythyjh
<i>Type:</i>	tyhtyjyukukiu
<i>No of poles:</i>	uikuikuiku
<i>Current Rating:</i>	ikuikliolijk,mgyhdrdf
<i>Voltage Rating:</i>	efwedwedwe
<i>Fuse Rating or Settings:</i>	dwedwedwefrthythyu
<i>Rated residual operating Current In:</i>	efrereerwedqdwad
<i>Rated residual operating time @In    Tn:</i>	dfgrtyhtutyjyujukioipp
<i>Location:</i>	dfgererf
<i>Type:</i>	erererer
<i>No of poles:</i>	sfdfdrgtrgtgt
<i>Current Rating:</i>	trtrtrtrtrt
<i>Voltage Rating:</i>	rtrrytujuiololiukukujy
<i>Fuse Rating or Settings:</i>	ewewewewewe
<i>Rated residual operating Current In:</i>	wewewew
<i>Rated residual operating time @In    Tn:</i>	weweweghyuoiupupoi