

AMENDMENTS

A

ORIGINAL

ISSUE

B

DRN

CR

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DRN

CR

D

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W

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CR

X

DRN

CR

Y

DRN

CR

Z

DRN

CR

4). Earthing information for pole mounted SWER Isolating substations, Reclosers, Load break Switches and Regulators will be provided in a similar format using same concept.

EARTHING DETAILS

Soil Resistivity (ohms.m)	Layer 1	X	Depth (m)	X
	Layer 2	X		∞
Designed earth resistance (ohms)				X
Measured earth resistance (ohms)- Refer to Note 3				X
Number of electrodes				X
Length of bare electrode (m)				X
Connector type (CAD or CRIMP)				X
Location Category: F-frequented, R-remote, S-special				X
What design tool used ?				X
Fault level (kA)				X

PROPERTY BOUNDARY

XXXX STREET

KERB

CABLE 70mm² BARE Cu

CABLE 70mm² INS Cu

EARTHING CONSTRUCTION TO EDI-0006

INFORMATION UPDATED AFTER COMMISSIONING ON XX/XX/XXXX

POLE SUBSTATION XXXXX

COMMON EARTHING LAYOUT

(NOT TO SCALE)

HV EARTHING DETAILS

Soil Resistivity (ohms.m)	Layer 1	X	Depth (m)	X
	Layer 2	X		∞
Designed earth resistance limit (ohms)				X/X
Measured earth resistance (ohms)				X
Number of electrodes				X
Insulated depth (m)				X
Length of bare electrode (m)				X
Connector type (CAD or CRIMP)				X
Location Category: F-frequented, R-remote, S-special				X
What design tool used ?				X
Fault level (kA)				X

PROPERTY BOUNDARY

XXXX STREET

KERB

CABLE 70mm² BARE Cu

CABLE 70mm² INS Cu

EARTHING CONSTRUCTION TO EDI-0006

INFORMATION UPDATED AFTER COMMISSIONING ON XX/XX/XXXX

POLE SUBSTATION XXXXX

COMMON EARTHING LAYOUT

(NOT TO SCALE)

HV EARTHING DETAILS

Soil Resistivity (ohms.m)	Layer 1	X	Depth (m)	X
	Layer 2	X		∞
Designed earth resistance limit (ohms)				X/X
Measured earth resistance (ohms)				X
Number of electrodes				X
Insulated depth (m)				X
Length of bare electrode (m)				X
Connector type (CAD or CRIMP)				X
Location Category: F-frequented, R-remote, S-special				X
What design tool used ?				X
Fault level (kA)				X

PROPERTY BOUNDARY

XXXX STREET

KERB

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CABLE 70mm² INS Cu

EARTHING CONSTRUCTION TO EDI-0006

INFORMATION UPDATED AFTER COMMISSIONING ON XX/XX/XXXX

POLE SUBSTATION XXXXX

SEPARATE EARTHING LAYOUT

(NOT TO SCALE)

LV EARTHING DETAILS

Designed maximum earth resistance (ohms)	X
Measured earth resistance (ohms)	X
Number of electrodes	X
Length of bare electrode (m)	X
Connector type (CAD or CRIMP)	X

HV EARTH MINIMUM SEPARATION (m)

	Design	Actual		Design	Actual
TDMEN	X	X	TELECOM	X	X
TDB	X	X	PIPES	X	X
TDU	X	X	HV-LV	X	X

PROPERTY BOUNDARY

XXXX STREET

KERB

CABLE 70mm² BARE Cu

CABLE 70mm² INS Cu

EARTHING CONSTRUCTION TO EDI-0006

INFORMATION UPDATED AFTER COMMISSIONING ON XX/XX/XXXX

POLE SUBSTATION XXXXX

SEPARATE EARTHING LAYOUT

(NOT TO SCALE)

HV EARTHING DETAILS

Soil Resistivity (ohms.m)	Layer 1	X	Depth (m)	X
	Layer 2	X		∞
Designed earth resistance limit (ohms)				X/X
Measured earth resistance (ohms)				X
Number of electrodes				X
Insulated depth (m)				X
Length of bare electrode (m)				X
Connector type (CAD or CRIMP)				X
Location Category: F-frequented, R-remote, S-special				X
What design tool used ?				X
Fault level (kA)				X

PROPERTY BOUNDARY

XXXX STREET

KERB

CABLE 70mm² BARE Cu

CABLE 70mm² INS Cu

EARTHING CONSTRUCTION TO EDI-0006

INFORMATION UPDATED AFTER COMMISSIONING ON XX/XX/XXXX

POLE SUBSTATION XXXXX

SEPARATE EARTHING LAYOUT

(NOT TO SCALE)

LV EARTHING DETAILS

Designed maximum earth resistance (ohms)	X
Measured earth resistance (ohms)	X
Number of electrodes	X
Length of bare electrode (m)	X
Connector type (CAD or CRIMP)	X

HV EARTH MINIMUM SEPARATION (m)

	Design	Actual		Design	Actual
TDMEN	X	X	TELECOM	X	X
TDB	X	X	PIPES	X	X
TDU	X	X	HV-LV	X	X

PROPERTY BOUNDARY

XXXX STREET

KERB

CABLE 70mm² BARE Cu

CABLE 70mm² INS Cu

EARTHING CONSTRUCTION TO EDI-0006

INFORMATION UPDATED AFTER COMMISSIONING ON XX/XX/XXXX

POLE SUBSTATION XXXXX

SEPARATE EARTHING LAYOUT

(NOT TO SCALE)

ORIGINAL SCALE

NONE

APPROVED

DW

DATE

16-5-2011

CHD

GA

END EARTHING INFORMATION ON PROJECT

DRAWINGS

DO NOT SCALE

DIMENSIONS IN MILLIMETRES

REFERENCE DRAWINGS

DRG. NO.

THIS ISSUE PAGE NO

J. Perera

MANAGER PRIMARY SYSTEMS

6-15-11

SUB

358689

C

ISSUE IDENTIFICATION

THIS ISSUE

PAGE NO.

EDI-100

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