



**SUBSTATION MINIMUM ELECTRICAL CLEARANCES
IN ACCORDANCE WITH TS 2.1**

REF	NOMINAL SYSTEM VOLTAGE (rms)	132kV	400kV
1	PHASE TO EARTH EARTH CLEARANCE	1.1M	2.8M
2	PHASE TO PHASE CLEARANCE	1.4M	3.6M
3	DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) DSH1	2.9M	4.6M
4	DESIGN CLEARANCE FOR SAFETY (VERTICAL) DSH1	3.8M	5.5M
5	INSULATION HEIGHT (PEDESTRIAN ACCESS)	2.4M	2.4M
6	SAFETY DISTANCE (FROM NGC SAFETY RULES)	1.4M	3.1M
7	MEWP DESIGN CLEARANCE FOR SAFETY (HORIZONTAL) DSH2	4.9M	6.6M
8	MEWP DESIGN CLEARANCE FOR SAFETY (VERTICAL) DSH2	5.8M	7.5M

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS.

LEGEND:
PI - POST INSULATOR
ESW - EARTHING SWITCH
SA - SURGE ARRESTER
CSE - CABLE SEALING END

ASSOCIATED DRAWINGS:
PDD-33494-LAY-021 - PROPOSED CLIFOR SEALING END COMPOUND LAYOUT

Rev/Description	Cre'd	Chk'd	App'd	Date
P2 DIMENSIONS ADDED TO CENTRE OF BUSBAR HEIGHT	MAC	CN	MR	27.11.19
P1 132kV CSE ROTATED, FENCE ADDED	SV	JO	MR	24.06.19
P0 FIRST ISSUE	SV	JO	MR	05.06.19

nationalgrid

Master Scheme No: 33494 Sub-Scheme No: Site: EAST SITE

Scheme Name: SNOWDONIA VIP

Figure 2.14:
PROPOSED CLIFOR SEALING END COMPOUND ELEVATION

Created by:	Date:	Checked by:	Date:	Approved by:	Date:
SV	05/06/19	JO	05/06/19	MR	05/06/19

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