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ANCHOR BLOCK

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CSE/ SA

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REQUIREMENTS TO BE IN ACCORDANCE WITH SSE SUBSTATION DESIGN SPECIFICATION DOC №. SP-NET-SST-501				
	NOMINAL SYSTEM VOLTAGE			
REF CLEARANCE (mm)	400kV	275kV	132kV	33kV
PHASE TO EARTH	2800	2100	1200	500
PHASE TO PHASE	3600	2400	1400	430
DESIGN CLEARANCE FOR SAFETY	5500	4800	3500	2900
SAFETY DISTANCE	3100	2400	1400	800
WORKING & ACCESS CLEARANCE (VERTICAL)	5200	4500	3500	2900
WORKING & ACCESS CLEARANCE (HORIZONTAL)	4600	3900	2900	2300
INSULATION HEIGHT (PEDESTRIAN ACCESS)	2400	2400	2400	2400
	CLEARANCE (mm) PHASE TO EARTH PHASE TO PHASE DESIGN CLEARANCE FOR SAFETY SAFETY DISTANCE WORKING & ACCESS CLEARANCE (VERTICAL) WORKING & ACCESS CLEARANCE (HORIZONTAL)	CLEARANCE (mm)400kVPHASE TO EARTH2800PHASE TO PHASE3600DESIGN CLEARANCE FOR SAFETY5500SAFETY DISTANCE3100WORKING & ACCESS CLEARANCE (VERTICAL)5200WORKING & ACCESS CLEARANCE (HORIZONTAL)4600	CLEARANCE (mm)NOMINAL SYS400kV275kVPHASE TO EARTH28002100PHASE TO PHASE36002400DESIGN CLEARANCE FOR SAFETY55004800SAFETY DISTANCE31002400WORKING & ACCESS CLEARANCE (VERTICAL)52004500WORKING & ACCESS CLEARANCE (HORIZONTAL)46003900	CLEARANCE (mm)NOMINAL SYSTEM VOLTAGE400kV275kV132kVPHASE TO EARTH280021001200PHASE TO PHASE360024001400DESIGN CLEARANCE FOR SAFETY550048003500SAFETY DISTANCE310024001400WORKING & ACCESS CLEARANCE (VERTICAL)520045003500WORKING & ACCESS CLEARANCE (HORIZONTAL)460039002900

WHERE EQUIPMENT CONFIGURATIONS HAVE NOT BEEN SUBJECT TO TYPE OF ROUTINE TESTS IN ACCORDANCE WITH IEC 60694 THE CLEARANCES FOR PHASE TO EARTH AND PHASE TO PHASE ABOVE SHALL APPLY. THEY APPLY UNDER CONDITIONS OF MAXIMUM SWING AND SAG.

WHEN DESIGNING ELECTRICAL CONNECTIONS THE FOLLOWING ALLOWANCES HAVE BEEN MADE TO COVER TOLERANCES IN ELECTRICAL AND CIVIL WORK AND THE SETTLEMENT OF FOUNDATIONS:- 132kV - 80mm; 33kV - 80mm

ACCESS ROAD

SECTION B-B ROAD SCALE 1:100

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NOTES:-

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- ALL DIMENSIONS GIVEN IN MILLIMETRES (mm) U.N.O.
 PLEASE REFER TO PROPOSED LAYOUT DRAWING No. • PT913_LARG_1104_0003_00_0C CSE COMPOUND
- ELEVATION PROPOSED SITE FOR DISCUSSION PURPOSES ONLY.
 LAYOUT MAY BE REQUIRED TO BE AMENDED DEPENDENT ON

16

- FINAL SITE SELECTION. 5. ELECTRICAL LAYOUT SHOWN IS PURELY FOR DISCUSSION PURPOSES ONLY.
- 6. ALL EQUIPMENT SHOWN TO BE FINALISED AND CONFIRMED BY ENGINEER/DESIGN TEAM AND UNTIL DONE SO ALL ASPECTS OF THE SHOWN DESIGN ARE SUBJECT TO CHANGE.
- 7. ALL EQUIPMENT SHOWN TO BE CONSIDERED NEW. 8. AIS PLANT INFORMATION TAKEN FROM STANDARD SSE FRAMEWORK LAYOUTS ..
- 9. PROPOSED 132kV CSE COMPOUND PLATFORM AREA = 1,048m² = 0.26 ACRES

PRELIMINARY DESIGN ONLY NOT TO BE USED FOR **CONSTRUCTION**