

275kV GIB & SUPPORTS INDICATIVE ONLY				BUSBAR	HEIGHT OF STATCOM EQUIPMENT & BUILDINGS DEPENDENT ON DETAIL DESIGN STAGE	
		275kV GIB	TBC			
						PLATFORM LVL TBC
5m ROAD				5m ROAD		
36999	28085	33160	4600 4600 4600 5600	15000	INDICATIVE SIZES ONLY - 110000	5000 5000
-1-	GIS & CONTROL BUILDING	AIS	S/GIB ESW CT CVT H RFACE TBC	PI HPI	STATCOM - FINAL DESIGN & SIZE TBC	ROAD SECURITY FENCE

						LIST OF ALL RELEVANT DRAWINGS OR DOCUMENTS THAT DIRECTLY RE THE CURRENT REVISION OF THE DRAWING
SUBS	STATION MINIMUM ELECTRIC	DOCUMENT REFERENCE:				
REQUIREN	IENTS TO BE IN ACCORDANCE WITH SSE SUBSTATION DES	SIGN SPECIFICATIO	N DOC No. SP-P	S-399		
		NOMINAL SYSTEM VOLTAGE				NOTES:-
REF	CLEARANCE (mm)	400kV				1. BASED ON DESIGN REQUIREMENTS TAKEN FROM KINA
E	PHASE TO EARTH	2800	2100	1200	500	SUBSTATION DRD LT96-DRD-G1-REV1 (TBC). 2. ALL DIMENSIONS SHOWN IN MILLIMETRES (mm) U.N.O.
Ph	PHASE TO PHASE	3600	2400	1400	430	3. PROPOSED LAYOUT FOR PLANNING PURPOSES ONLY.
S	DESIGN CLEARANCE FOR SAFETY	5500	4800	3500	2900	4. SITE DEVELOPED FOR POTENTIAL UPGRADE TO 400kV IN THEREFORE 400kV ELECTRICAL CLEARANCES HAVE BEEN USED
SD	SAFETY DISTANCE	3100	2400	1400	800	APPROPRIATE. 5. GIS AND CONTROL BUILDING TAKEN FROM PROPOSED PETERHEA
Ds	WORKING & ACCESS CLEARANCE (VERTICAL)	5200	4500	3500	2900	SUBSTATION, REFER TO SSEN DRAWING NU
Dsh	WORKING & ACCESS CLEARANCE (HORIZONTAL)	4600	3900	2900	2300	LT135_PEHE_0805_0001_00_00 - FOR PLANNING-400KV GIS C BUILDING GA AND LT135 PEHE 0805 0002 00 00 -
IH	INSULATION HEIGHT (PEDESTRIAN ACCESS)	2400	2400	2400	2400	PLANNING-400KV GIS CONTROL BUILDING ELEVATIONS.
WHERE EQU	JIPMENT CONFIGURATIONS HAVE NOT BEEN SUBJECT TO	TYPE OF ROUTINE T	ESTS IN ACCOR	DANCE WITH IEC	60694 THE	<ol> <li>GIS AND CONTROL BUILDING FOOTPRINT ASSUMED SUITABLE FO OR 400kV EQUIPMENT.</li> </ol>
	ES FOR PHASE TO EARTH AND PHASE TO PHASE ABOVE S Y UNDER CONDITIONS OF MAXIMUM SWING AND SAG.	HALL APPLY.				<ol> <li>AIS PLANT INFORMATION TAKEN FROM STANDARD SSE FRAN LAYOUTS.</li> </ol>
	IGNING ELECTRICAL CONNECTIONS THE FOLLOWING ALLO WORK AND THE SETTLEMENT OF FOUNDATIONS:- 132kV -			VER TOLERANCE	S IN ELECTRICAL	<ol> <li>ASSUMED STATCOM TRANSFORMER LOCATED ON WEST OF S COMPOUND BUT CONNECTUON FROM GIS COULD BE MODII ACCOMODATE A DIFFERENT TRANSFORMER POSITION.</li> <li>CURRENTLY NO INFORMATION ON MSCDN REQUIRED AT TH INDICATIVE SPACE ENVELOPE ONLY.</li> <li>BUILDING OUTLINE INDICATIVE ONLY - DESIGN TO BE CONFIRMED.</li> <li>GIS BAYS 8,9,10,11 AND 12 ARE SPACE PROVISION ONLY. GIB ENT BE PROVIDED.</li> </ol>
						12. OVERHEAD LINE ROUTES AND POSITION OF TOWERS (TERMI OTHERWISE) TO BE CONFIRMED AND SUBJECT TO SEPARATE SEC CONSENT.

## IITO BE PRINTED IN COLOURIII LEGEND:-STATIC COMPENSATION TRANSFORMER SGT EARTH SWITCH DISCONNECTOR (RCP) DISC DIESEL GENERATOR CIRCUIT BREAKER CABLE SEALING END CAPACITIVE VOLTAGE TRANSFORMER СВ CSE SURGE ARRESTER POST INSULATOR GIB GAS INSULATED BUSBAR HIGH LEVEL (POST INSULATOR) PLANT PROPOSED

13. OHL REQUIRE TO BE MODELLED TO ENSURE NO INFRINGEMENT O ELECTRICAL CLEARANCES.

14. PLATFORM DATUM, TO BE CONFIRMED. 15. ELECTRICAL PHASING TO BE CONFIRMED.

16. ACCESS ROUTE TO SITE TBC. 17. PROPOSED PLATFORM AREA = 63870m<sup>2</sup> / 15.78acres.

UMBERS: ONTROL

SCALE AT 1:500				
l Om	12.5m	25m	1 37.5m	50m



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		<b>Scott</b> Electr						Q
	SSE Inveralmond House, 200 Dunkeld Road Perth, PH1 3AQ, UK www.sse.com							
	Project: KINARDOCHY 275kV REACTIVE COMPENSATION SUBSTATION							
F	Project Number:	LT000096	Locatio	on: T	UMN	IEL		
F	Title: FOR PLANNING AUTHORITIES KINARDOCHY 275kV REACTIVE COMPENSATION SUBSTATION SITE PLAN						TION	R
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