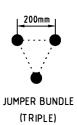
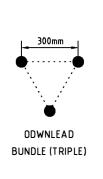


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SUB-CONDUCTOR BUNDLE GEOMETRY scale 1:20

TABLE	1. KEY FOR INSULA	TOR SETS AND FITTINGS		
ITEM	REFERENCE	DESCRIPTION	QTY. FINAL	COMMENTS
Т	твс	TENSION SET - 3x700mm ² AAAC	6	
U	твс	UPRIGHT LOW DUTY SET - 3x700mm ² AAAC	6	
	твс	INVERTED LOW DUTY SET - 3x700mm ² AAAC	6	
SJP	ТВС	STRAIGHT JUMPER PALM - 700mm ² AAAC	54	
[[[твс	COMPRESSION CLAMP - 700mm ² AAAC	54	
DS	TBC	DOWNLEAD SPACER (300mm) - 3x700mm ² AAAC	18	
JS	твс	JUMPER SPACER (200mm) - 3x700mm ² AAAC	24	
TP	TBC	TERMINATION PALM - 700mm ² AAAC	24	

TABLE 2. MEASURED CLEARANCES

ID	DESCRIPTION	CCT	MEASURED (SEE NOTE 2)	REQUIRED (SEE TABLE 2)	
A1	MIDDLE PHASE OOWNLEAD BUNDLE TO BOTTOM PHASE DOWNLEAD BUNDLE	NORTH	6.24	4.9	
A2	BOTTOM PHASE OOWNLEAO BUNDLE TO TOP PHASE OOWNLEAD BUNDLE	NORTH	7.12	4.9	
A3	MIDDLE PHASE OOWNLEAD BUNDLE TO TOP PHASE OOWNLEAD BUNDLE	NORTH	B.77	4.9	
B1	TOP PHASE OOWNLEAD BUNDLE TO BOTTOM PHASE DOWNLEAO BUNDLE	SOUTH	7.33	4.9	
B2	BOTTOM PHASE DOWNLEAD BUNDLE TO MIDDLE PHASE DOWNLEAD BUNDLE	SOUTH	6.33	4.9	
B3	TOP PHASE DOWNLEAD BUNDLE TO MIDDLE PHASE DOWNLEAD BUNDLE	SOUTH	9.72	4.9	
C1	BOTTOM PHASE DOWNLEAD TO CSE COMPOUND EQUIPMENT	SOUTH	4.38		
٢2	BOTTOM PHASE DOWNLEAD TO CSE COMPOUND EQUIPMENT	NORTH	4.53		

REQUIRED TECHNICAL CLEARANCE SPECIFICATION

2.8m TS 2.04 ISSUE 5

1.8m TS 2.04 ISSUE 5

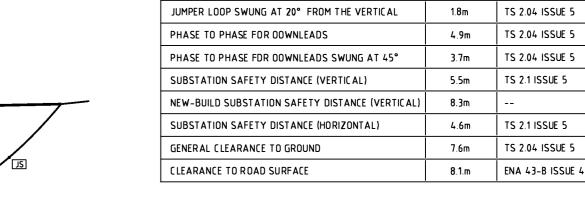
4.9m TS 2.04 ISSUE 5

5.5m TS 2.1 ISSUE 5

4.6m TS 2.1 ISSUE 5

7.6m TS 2.04 ISSUE 5 8.1.m ENA 43-B ISSUE 4





ROUTE DETAILS:

DESCRIPTION

1. VOLTAGE: 400kV

2. CONDUCTOR SYSTEM: 3 x 700mm² AAAC 'ARAUCARIA' 3. MAXIMUM OPERATING TEMPERATURE: 90°C

TABLE 3. REQUIRED ELECTRICAL CLEARANCES FOR 400kV

JUMPER LOOP HANGING VERTICALLY

4. EARTHWIRE: OPGW KEZIAH EQUIVALENT

REFERENCES:

1. CLEARANCES TO: TS 2.04 ISSUE 5.

2. TOWER GEOMETRY: 35/BC/0270 3. PLS CADD MODEL: 'PLS-33493-BAK-011' RECIEVED FROM NATIONAL GRID MODIFIED BY BABCOCK.

GROUND LINE (FROM SURVEY)

GENERAL NOTES:

- 1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. 2. LINE FALL AWAY ANGLES BASED ON TOWER SPECIFIC AT MAXIMUM OPERATING TEMPERATURE.
- 3. ALL CLEARANCES CHECKED USING A 3D MODEL AND TAKE INTO ACCOUNT SUB-CONDUCTOR BUNDLE GEOMETRY AND STEP BOLTS.
- 4. TOWER BRACING MAY BE REMOVED FROM SOME VIEWS IN DRAWING TO AID CLARITY.
- 5. SOME CLEARANCE CHECKS MAY BE OMITTED FOR CONDITIONS DEEMED UNNECESSARY. 6. RIGID JUMPER SPACERS TO BE INSTALLED SYMMETRICALLY AND AT EQUAL
- INTERVALS.

7. ALL CLEARANCES C ISSUE 5.	HECKED AND V	'ERIFIED	FOR 400kV IN	ACCORDANCE	TO TS 2.04		
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