

ITP-WIT-004 Rev 0

Contract name: Witkop Substation	Contract no:	Date: 23-07-2013
Description: Earthing of Structures and Equipment	Location: 132kV Yard	



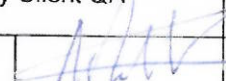
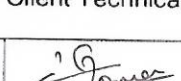

No	Activity	Specification standard References	Roshcon Production			Roshcon Quality			Client			Remarks / Documentation
			Inter vention	Sign	Date	Inter vention	Sign	Date	Inter vention	Sign	Date	
1	Approved drawings on site issued	0 – NT – 4 sheet 33	I / H			I / H			I / H			
2	Check Free issue materials	0 – NT – 4 sheet 33	I / H			I / H			I / H			
3	Inspection of area to work in	0 – NT – 4 sheet 33 19 – NT – 203 sheet 44	I			I			I			
4	Permits required	PTW	H			H			H			
5	Sample of Brazed joint approved		I / H			I / H			I / H			
6	Sample of Crimp joint approved		I / H			I / H			I / H			
7	Verification of correct Equipment to be earthed	19 – NT – 203 sheet 44	I			I / S			I / S			
8	Cutting of copper to the correct length	0 – NT – 4 sheet 33 FM EI 224	I			I / W / S			I / W / S			

Intervention: [H] – Hold [W] – Witness
[I] – Inspection [S] – Surveillance
[T] – Test

NOTE: The term 'organisation' is the title given to RoteK Industries SOC Limited and Roshcon SOC Limited.
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9	Random check of Brazing joint	0 – NT – 4 sheet 33 19 – NT – 203 sheet 44 WI-1.5-EI-02-24 SANS 10198-8 FM EI 224	I			I			I			
10	Random check of Crimping / Exo-weld joints	0 – NT – 4 sheet 33 FM EI 224	I			I			I			
11	Tighten and Torque of bolts as per specification	0 – NT – 4 sheet 33 41 – 727 WI-1.5-EI-02-43	I / T			I / T			I / T			
12	Record of installed copper and crimps done	FM EI 131 FM EI 456	I			I / W / S			I / W / S			
13	Hand Over	Drawing No: 0 – NT – 4 sheet 33	I			I / H			I / H			

Approval

Approved by Roshcon Production		Approved by Roshcon Quality		Approved by Client QA		Approved by Client Technical		Approved by Client Projects	
Signature		Signature		Signature		Signature		Signature	
Name	D. VERSTER	Name	D. VERSTER	Name	A. MOLLER	Name	C. THOMAS	Name	R. CHAUKE
Designation	SM	Designation	SM	Designation	QA	Designation	DESIGN ENGINEER	Designation	PROJECT MANAGER
Date	3/9/2013	Date	3/9/2013	Date	03/09/2013	Date	03/9/2013	Date	4/9/13

Intervention: (H) – Hold (W) – Witness
(I) – Inspection (S) – Surveillance
(T) – Test

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