



SCHEDULES:

EQUIPMENT			QTY	NO. OFF.
DESCRIPTION	DWG. NO.			
132/11kV DOUBLE OIL-TYPE TRANSFORMER	D-DC-105046		2	
11kV 2000 AMP/20kV TRANSFORMER	D-DC-105047		2	
11kV 2000 AMP CIRCUIT BREAKER	D-DC-105048		2	
11kV 2000 AMP ISOLATOR	D-DC-105049		7	
11kV 2000 AMP C.T.	D-DC-105050		3	
11kV/11kV INDUCTION C.T.	D-DC-105051		9	
11kV S.A.	D-DC-105052		7	
11kV S.L.	-		2	
11kV P.L.	D-DC-105053		6	
11kV P.T.	-		18	
400 BATT FLOOD LIGHTS	-		26	
11kV 2000 AMP CT	D-DC-105054		6	
11kV 2000 AMP ISOLATOR	D-DC-105055		2	
11kV 2000 AMP CT	D-DC-105056		6	
11kV P.L.	-		6	

SCHEDULES:

STEELWORK : (REV.0)

DESCRIPTION	DWG. NO.	REV.	QTY.	STRUCT.	DOLTS	TOTAL	REV.0A
CIRCUIT BREAKER & 11kV SUPPORT DETAILS	D-01-5202 SH2.2	12	3	784.20	-	782.00	
11kV ISOLATOR WIND & MOTOR OPERATED SUPPORT DETAILS	D-01-5202 SH2.2	14	7	673	15.00	4798.00	
MOTOR EQUIPMENT SUPPORT DETAILS 0.5m WIND	D-01-5206 SH2.2	8	14	124.83	2.00	1700.20	
2000 AMP/20kV CIRCUIT BREAKER SUPPORT CAP W/ REACHABLE FISHING CHANNELS	D-01-5206 SH2.5	6	15	56.00	2.00	895	
132/22/11kV C.T. & P.L. SUPPORT CAP	D-01-5205 SH1.1	4	2	365.23	3.06	748.50	
11kV CABLE END SUPPORT 1.25 OR 1.8 SINGLE CORE CABLE/PHASE STEELWORK ASSEMBLY DETAILS	D-01-5212 SH2.2 & 4	7	2	588.20	18.0	1182.20	
STANDARD LIGHTING/LOTHING MAST FOR SUBSTATION ONLY	D-01-5217 SH2.5 & 7	1 & 3	7	624	4.5	4293.5	
CALUMINATED/STAINLESS STEEL FIRE BARRIER BOOM (HIGH SUPPORT)	D-01-5218 SH2.2	4	3	281	1.20	340.60	
CALUMINATED/STAINLESS STEEL FIRE BARRIER (TYPICAL LAYOUT - MODULE V1)	D-01-5218 SH2.2	4	2	76.00	4.23	342.60	
CALUMINATED/STAINLESS STEEL FIRE BARRIER (TYPICAL LAYOUT - MODULE V2)	D-01-5218 SH2.2	4	2	76.24	2.26	364.00	
11kV P. SURGE ARRESTOR BRACKET MOUNTED ON ISOLATOR	D-01-5219 SH2.4	4	1	207.88	6.87	2147.17	
132/11kV TUBULAR BUSBAR SUPPORT	D-01-5220 SH2.2	7	12	300	7	3004	
11kV ISOLATOR SUPPORT DETAIL	D-01-5205 SH2.2	7	2	105.46	4	210.92	
132/11kV TUBULAR BUSBAR SUPPORT	D-01-5220 SH2.2	11	4	474.84	4.01	478.85	
STANDARD LIGHTING/LOTHING MAST FOR SUBSTATION ONLY	D-01-5217 SH2.5 & 4	5 & 4	7	404	-	2808	
TOTAL MISS IN:						4652.86	

NOTES : (REV.0 & 0A)

- STRUCTURE SHALL BE ERECTED ALIGNED, GRADED, PLUMBED AND LEVELLED TO AN ACCURACY SPECIFIED IN SANS 500 - 6.2.2.17 - CLASS II.
- FLOOD LIGHTS ON OFFAL LIGHT SWITCH IS OFF AND 400 BATT BIDE BEAR WATERPROOF LIGHTS WITH CABLEING AND CIRCUIT BREAKER INSIDE CONTROL ROOM.
- ATTACHMENT HEIGHT FOR FLOOD LIGHTS IN AND FITTINGS ARE TO BE INDEXED AS SHOWN IN THE DETAILS.
- REAR & BASIN PLATE REQUISITION FOR THE LIGHTING/LOTHING MAST FOUNDATION TO BE SUPPLIED ON AS BUILT DRAWING.

		SEPHAKU 132/11kV SUBSTATION GENERAL ARRANGEMENT	
 SHEET NO. 07 TWO DRAWING IS THE PROPERTY OF Eskom	DATE: 10/10/2017 DESIGNED BY: J. Thabane DRAWN BY: N.M. CHECKED BY: M. M. M. M.	PROJECT NO.	070A