

**WCPK1219ZM - MAIN BUILDING PERMANENT ROOF REPLACEMENT AT PALMIET POWER STATION**

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Preliminaries and Generals				
1,1	Site establishment, Contractual requirements, Etc  This shall include all ablution facilities, electricity, water etc. for completion of the works. It shall also include all Eskom and Occupational Health and Safety requirements. Incl. Site de-establishment	No.	1		
1,2	Temporary protection allowed in order that the equipment in the Machine Hall is always protected and there is no water ingress and/ or debris that falls onto the units and equipment below.	Item	1		
<b>MACHINE HALL - ROOF &amp; SIDE SHEETING REPLACEMENT</b>					
2	<b>REMOVAL OF EXISTING SHEETING INCLUDING CAPPING AND FLASHING</b>  <u>Taking down of the existing items</u>				
2,1	Roof sheeting	m2	4000		
2,2	Vertical sheeting, including capping and flashing.	m2	3900		
3	<b>ROOF SHEETING SHALL BE KLIP-LOK 406™ PROFILE ROLL-FORMED IN CONTINUOUS LENGTHS FROM CERTIFIED SUPPLIER</b>  <u>Installation of new sheeting</u>				
3,1	New roof sheeting - ZincAL® AZ200 coated steel G550 0.58mm (Heavy Industrial) with a ColorbondUltra® finish to one side and a standard backing coat, colour to match existing.  and fixed to steel purlins/girts using KL65 clips (aluminium KL65 clips to be used in conjunction with aluminium sheeting) and class 3 fasteners, in strict accordance with manufacturer's specifications by a GRS Approved Contractor. A written and approved five year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.	m2	4000		
3,2	New capping with maximum girth of 900mm  and fixed by way of S10 brackets or, Sliding brackets at apex where roof sheets are 30m or longer, all in strict accordance with manufacturer's specification using the appropriate tools available from Global Roofing Solutions.	m	62		
4	<b>SIDE SHEETING SHALL BE BROWNBUILT PROFILE ROLL-FORMED IN CONTINUOUS LENGTHS FROM CERTIFIED</b>				
4,1	New vertically kinked sheeting (ZincAL® AZ2000 coated steel G550 0.58mm (Heavy Industrial) with a Colorbond Ultra® finish to one side and a standard backing coat, colour to match existing).  and fixed to steel purlins/girts using D1 Starting clips, D2 Duplex clips and D3 Finishing clips and class 3 fasteners, in strict accordance with manufacturer's specifications by a Global Roofing Solutions Approved Contractor. A written and approved five-year guarantee of watertightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions	m2	3900		

4,2	New flashing - ZincAL® AZ150 0.58mm coated steel with a ColorPLUS® finish to one side and standard backing coat, colour to match existing sheeting.	m2	300		
	and fixed by way of S1 brackets or, sliding brackets at apex where roof sheets are 30m or longer, all in strict accordance with manufacturer's specification using the appropriate tools available from Global Roofing Solutions.				
5	<b>UNDER-SLUNG SHEETING SHALL BE IBR 686 PROFILE ROLL-FORMED IN CONTINUOUS LENGTHS FROM CERTIFIED</b>				
5,1	New roof sheeting - ZincAL® AZ150 coated steel G550 0.53mm (Heavy Industrial) with a ColorbondUltra® finish to one side and a standard backing coat, colour to match existing.	m2	3500		
	and fixed to steel purlins/girts using self-drilling hex flange head screw with EPDM seal and class 3 fasteners, in strict accordance with manufacturer's specifications by a Global Roofing Solutions Approved Contractor. A written and approved five-year guarantee of watertightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions				
6	<b>INSULATION</b>				
6,1	50mm Thick ceiling insulation board as "Lamdaboard (PIR)" or similar approved non combustible ceiling insulation board, neatly aligned securely fixed to underside of purlins, all in accordance with manufacturer's specifications and recommendations	m2	4000		
7	<b>ROOF VENTILATORS</b>				
7,1	Remove existing roof ventilators and dispose of.	m	120		
7,2	Fit new roof ventilators to match existing.	m	120		
8	<b>GALVANISED STEEL PURLINS AND BRACKETS</b>				
8,1	100 X 75 X 6mm Angle Iron brackets	kg	323		
8,2	6mm gusset plates	kg	544		
8,3	70 X 70 X 6mm Angle Iron brackets	kg	1072		
8,4	80 X 80 X 8mm Angle Iron brackets	kg	2063		
8,5	90 X 90 X 8mm Angle Iron brackets	kg	737		
8,6	8mm gusset plates	kg	481		
8,7	150 x 50 x 20 x 2,5mm Lipped channel purlin	kg	9346		
8,8	M10 Grade 4,8 bolts	kg	65		
9	<b>GALVANISED STEEL CAT LADDER</b>				
9,1	Cat Ladder 6m high	No	2		
10	<b>RAINWATER GOODS</b>				
10,1	3mm Hot dipped galvanised sheet metal eaves gutter three times bend, total girth 525mm	m	124		
10,2	Stopped end	no	4		
10,4	Outlet for down pipes	no	12		

10,5	75mm Down pipes	m	72		
<b>11</b>	<b>ELECTRICAL INSTALLATION</b>				
11,1	Remove existing light fittings carefully and store for later refitting	Item	1		
11,2	Refit existing light fittings previous set aside, to and including new light fitting brackets, including fitting new LED bulbs	Item	1		
<b>12</b>	<b>PAINTING</b>				
12,1	Clean and paint all structural steel roof elements	m2	1520		
12,2	Clean and paint eaves gutters and down pipes	m	196		
				<b>SUBTOTAL</b>	
				<b>VAT</b>	
				<b>TOTAL</b>	