

CSIR MODEL HALL GLAZING, STELLENBOSCH

CONTRACT NO. Bvi / 34478.00 / CSIR MODEL HALL GLAZING / 2021 / 01

<u>BILL OF QUANTITIES</u>		
SUMMARY OF SECTIONS		
	DESCRIPTION	AMOUNT R
	SCHEDULE A: PRELIMINARY AND GENERAL	
	SCHEDULE B: DEALING WITH ASBESTOS CONTAINING MATERIAL & STEEL FRAMES	
	SCHEDULE C: NEW SIDE CLADDING INSTALLATION	
	SCHEDULE D: FLASHINGS AND POLYCLOSURES	
	Sub Total (ex VAT)	
	10% Contingency	
	Total (ex VAT)	
	15% VAT	
	TOTAL CARRIED TO TENDER FORM	

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SCHEDULE A: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
A	SANS	PRELIMINARY AND GENERAL				
A1	8.3	FIXED-CHARGE AND VALUE- RELATED ITEMS				
A1.1	8.3.1	Contractual Requirements, including all insurance	Sum	1		
	8.3.2	Establish facilities on Site:				
A1.2	8.3.2.1	a) Facilities for Engineer (SABS 1200 AB)	Sum	1		
	8.3.2.2	b) Facilities for Contractor	Sum	1		
A1.6		Offices and storage sheds	Sum	1		
A1.9		Ablution and latrine facilities	Sum	1		
A1.10		Tools and equipment	Sum	1		
A1.11		Water supplies, electric power and communications.	Sum	1		
A1.13		Scaffolding or cherry picker for easy access for duration of works. This includes all erection, dismantling and shifting as required. It also includes the supply and erection of an access stair for inspection	Sum	1		
A1.14		Plant	Sum	1		
A1.16	PSA 8.11	Compliance to the OHS Act including all site programmes, inductions etc. Full-time in-house safety officer with monthly external audits to assess all COVID 19 regulations and general site safety.	Sum	1		
A1.17	PSA 8.11	Compliance to the NEMA Act and Tenders Environmental Management Plan for dealing with Asbestos containing material	Sum	1		
A1.18	PSA 8.12	Compliance to the Quality Control Management Plan	Sum	1		
Total Carried Forward						

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SCHEDULE A: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
Brought Forward						
A1.20	8.3.3	Other fixed-charge obligations (Specify)	Sum	1		
A1.22		Fall protection where required	Sum	1		
A1.23	8.3.4	Remove Engineer's and Contractor's Site establishment on completion	Sum	1		
A2	8.4	TIME-RELATED ITEMS				
A2.1	8.4.1	Contractual Requirements	month	3		
	8.4.2	Operate and maintain facilities on the Site:				
	8.4.2.1	a) Facilities for Engineer for duration of construction	month	3		
	8.4.2.2	b) Facilities for Contractor for duration of construction, except where otherwise stated	month	3		
A2.6		Offices and storage sheds	month	3		
A2.9		Ablution and latrine facilities	month	3		
A2.10		Tools and equipment	month	3		
A2.11		Water supplies, electrical power and communications	month	3		
A2.11		Protective tarpaulin where required	month	3		
A2.13		Access	month	3		
A2.14		Plant	month	3		
A2.15	8.4.3	Supervision and company overhead costs for duration of contract	month	3		
A2.16	PSA 8.11	Compliance to the OHS Act including all site programmes, inductions etc.	month	3		
A2.17	PSA 8.11	Compliance to the NEMA Act and Tenders Environmental Management Plan	month	3		
Total Carried Forward						

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SCHEDULE A: PRELIMINARY AND GENERAL

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
Brought Forward						
A2.18	PSA 8.12	Compliance to the Quality Control Management Plan	month	3		
A2.19	8.4.4	Company and head office overhead costs	month	3		
A2.20		Delivery vehicle used to transport 4m roof sheets to site as required	month	3		
A2.21	8.4.5	Other time-related obligations (Specify)	month	3		
A6		TESTING				
A6.1	PSA 8.9	Testing of materials by Engineer (additional to that specified in the SABS)	Prov Sum	1	3 500.00	
A6.3		Testing of fixing screws, materials and samples on site as ordered by the Engineer	Prov Sum	1	3 500.00	
Total Carried Forward						

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BILL OF QUANTITIES**SCHEDULE A: PRELIMINARY AND GENERAL**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
Brought Forward						
A7	8.7	DAYWORKS				
A7.1		Labour Supply labour including all costs				
A7.1.1		Site Foreman	h	10		Rate Only
A7.1.2		Skilled	h	10		Rate Only
A7.1.3		Semi-Skilled	h	20		Rate Only
A7.1.4		Unskilled	h	40		Rate Only
A7.2	8.7	Plant				
		Supply plant, including operator, fuel and other costs (No grinding on roof)				
A7.2.1		Additional cherry picker with adequate reach as needed on site	h	20		Rate Only
A7.2.6		Bakkie: min 1 ton	h	10		Rate Only
A7.2.7		Tip truck: min 10 ton	h	5		Rate Only
A7.2.8		Compressor including tools and hoses (7m³/min)	h	20		Rate Only
A8	8.8	TEMPORARY WORKS				
A8.1	PSA 8.15	Temporary scaffolding for removal of material from façade safely	Sum	1		Rate Only
Total Carried Forward To Summary: Schedule A						0.00

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SCHEDULE B: DEALING WITH ASBESTOS CONTAINING MATERIAL & STEEL FRAMES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
B1		DEALING WITH ASBESTOS CONTAINING MATERIAL & STEEL FRAMES				
B1.1		Remove existing glazing containing asbestos fibres, to a registered disposal site, based on approved programme with client. Contractor to provide method statement for approval.	m ²	1 050		
B1.2		Removal of steel T-members bolted to existing steel channels including removal of bolts and nuts. Contractor to provide method statement for approval	m	1 668		
B1.3		Removal of all rust and debris from existing steel channels where T-brackets are removed, with a wire brush. Apply anti-corrosive treatment to exposed steel faces where rust is visible, NS4 or similar approved, as per product specification. Provision for safe access for all of the above and a fall protection plan to be included.	m	780m		
Total Carried Forward To Summary: Schedule B						0.00

CSIR MODEL HALL GLAZING, STELLENBOSCH

CONTRACT NO. Bvi / 33273.00 / CSIR MODEL HALL ROOF / 2018 / 01

BILL OF QUANTITIES**SCHEDULE C: NEW SIDE CLADDING INSTALLATION**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
C1		NEW SIDE CLADDING INSTALLATION				
C1.1 - A		New 0,53 Widek 762 sheeting (aluminium zinc 200 coating) 4m lengths. (to be confirmed on site, before ordering of material). All inclusive installation rate and includes bending of sheeting lips and treatment of cut edges etc.	m ²	1 050		
C1.1 - B		Installation - Screw fixing to existing side cladding channels of thickness of 6mm of steel. - labour and drilling costs for drill fixing screws with correct drill and drill bits Note: Contractor will be required to carry out replacement on an initial section (one bay) of the facade for inspection and approval before the remainder of the work continues and before bulk of the materials are ordered	m	780m		
G1.1- C		Screws - 65mm Class 4 LV5 screws with plastic cap (lead time item) for Side cladding installation: every crest for very secure fixing to mitigate risk of wind damage. This also includes 19mm aluminium bonded washer	no	5 300		
C1.2 - B		Alternative cladding option: NEW SAFLOK 700 concealed fix side cladding 0.53mm ALUMINIUM-ZINC , with saddle washers and polyslider 700 clips, supplied and fully installed, including specified screw fixings, as per product specifications.	m ²	1 050		RATE-ONLY
C1.2 - C		Tinted Translucent Polycarb side cladding 1 strip per bay, on the South Façade only, for some indirect natural light into the model Hall	m ²	45		RATE-ONLY
C1.2 - D		Miscellaneous allowance for items not included above, that the contractor feels should be included in the BOQ 	no			
Total Carried Forward To Summary: Schedule C						0.00

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SCHEDULE D: FLASHING AND POLYCLOSURES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT R
D1	PSA 8.10	FLASHING AND WATERPROOFING				
D1.1		Aluminium flashing to replace old waterproofing to low level roof on North facade	m	70		
D1.2		Polyclosures at top and bottom of side cladding	m	550		
D1.3		Sealants and adhesives as required	Sum	1		
D1.4		Miscellaneous allowance for items not included above, that the contractor feels should be included in the BOQ	no			
Total Carried Forward To Summary: Schedule D						0.00