

BILL OF QUANTITIES — SUMMARY

Bill	Description	Amount
Bill No. 1	Preliminaries and General	
Bill No. 2	Earthworks	
Bill No. 3	Concrete, Formwork and Reinforcement	
Bill No. 4	Stonework	
Bill No. 5	Metalwork	
Bill No. 6	Paving	
Bill No. 7	Electrical Installation	
Bill No. 8	Provisional Sums	
	Contingencies Allowance	150 000,00
SUBTOTAL		
VAT @ 15%		
TOTAL		

Bill No. 1 — Preliminaries and general

Item	Description	Unit	Qty	Rate	Amount
1.1	Contract documentation, including completion of Contract Data and signature of the Small and Simple Works Contract	Sum			
1.2	Security and guarantees: contractor's choice of security as stated in the Contract Data	Sum			
1.3	Risk and insurance: contract works insurance and public liability insurance for the duration of the works	Sum			
1.4	Employer's Agent attendance and administration, where an agent is appointed	Sum			
1.5	Contractor's site establishment, including temporary facilities, signage, and security near the existing golf course	Sum			
1.6	Health and safety compliance per the OHS Act 85 of 1993 and Construction Regulations 2014, including a competent construction health and safety officer and H&S file	Sum			
1.7	Setting out of the works and protection of surrounding golf course/campus landscaping outside the works footprint	Sum			
1.8	Facilitation of two inspections by LDPWR&I and LDSAC officials during off-site manufacture and before delivery	Sum			
1.9	Preparation and submission of as-built drawings	Sum			
1.10	Practical completion, defects list, and latent defects liability period administration	Sum			
1.11	Cleaning and reinstatement of the site prior to de-establishment	Sum			
				SUBTOTAL	

Bill No. 2 — Earthworks

Item	Description	Unit	Qty	Rate	Amount
2.1	Excavate foundation pits for 13 No. throne bench footings	m³	5,85		
2.2	Excavate foundation pits for 13 No. reed-backrest concrete bases	m³	1,95		
2.3	Excavate for embedded portion (350mm) of 13 No. commemorative columns	m³	0,18		
2.4	Excavate and prepare for pad foundations to 13 No. commemorative columns	m³	0,65		
2.5	Excavate foundation pits for 13 No. solar pole light footings	m³	1,95		
2.6	Excavate pad foundation for the Eternal Flame Vessel (see advisory note)	m³	1,57		
2.7	Backfill and compact selected material around all footings (excludes column pad foundations, measured elsewhere - item 2.4)	m³	6,33		
2.8	Cart away surplus excavated material off site	m³	4,60		
				SUBTOTAL	

Bill No. 3 — Concrete, formwork and reinforcement

Item	Description	Unit	Qty	Rate	Amount
3.1	50mm blinding layer to underside of footings (excludes column pad foundations)	m ³	1,05		
3.2	Reinforced concrete, 25 MPa, to 13 No. throne bench cores, 1200 x 600 x 450mm	m ³	4,21		
3.3	Reinforced concrete, 25 MPa, to 13 No. commemorative columns, 200 x 200 x 1550mm overall (1200mm exposed, 350mm embedded), reinforced per bending schedule below	m ³	0,81		
3.4	Mass-fill concrete, 15 MPa, to reed-backrest bases, pole light footings, and vessel pad foundation	m ³	4,61		
3.5	Reinforced concrete pad foundation to 13 No. commemorative columns	m ³	0,65		
3.6	High-yield reinforcement to throne bench cores, nominal 100 kg/m ³ pending final structural design	kg	421,00		
3.7	Commemorative column reinforcement pending final structural design	kg	110,07		
3.8	Nominal reinforcement/fabric to mass-fill footings (item 3.4), nominal 40 kg/m ³ pending final structural design	kg	184,00		
3.9	Weld mesh, Ref 617, 3.958 m ²	kg	2,44		
3.10	Formwork to exposed faces of throne bench cores, commemorative columns, and mass-fill footings	m ²	47,18		
				SUBTOTAL	

Bill No. 4 — Stonework

Item	Description	Unit	Qty	Rate	Amount
4.1	Granite cladding, 20–30mm thick, honed finish, to top, front, back and end faces of throne bench cores	m²	30,42		
4.2	Fixing system: stainless steel cramps/anchors and high-strength adhesive bedding for granite cladding panels	No.	13,00		
4.3	Arrising/edge profiling to exposed granite edges	m	46,80		
4.4	Granite plinth base to Eternal Flame Vessel, honed finish, circular, approx. 1800mm diameter x 300mm high	No.	1,00		
				SUBTOTAL	

Bill No. 5 — Metalwork: reed backrests

Item	Description	Unit	Qty	Rate	Amount
5.1	Corten steel round tube, 25mm dia. x 1.9mm wall x 1700mm long, fixed vertically to backrest base	m	221,00		
5.2	Corten steel round tube, 25mm dia. x 1.9mm wall x 1950mm long, fixed vertically to backrest base	m	253,50		
5.3	Corten steel round tube, 32mm dia. x 1.9mm wall x 2200mm long, fixed vertically to backrest base	m	286,00		
5.4	Corten steel round tube, 32mm dia. x 1.9mm wall x 2450mm long, fixed vertically to backrest base	m	318,50		
5.5	Setting and fixing of 40 No. tubes per throne into backrest base, including sockets/anchors	No.	13,00		
5.6	Erection of thrones and commemorative columns on site, complete	No.	26,00		
				SUBTOTAL	

Bill No. 6 — Paving

Item	Description	Unit	Qty	Rate	Amount
6.1	Natural stone paving, honed and slip-resistant finish, radial jointing pattern, bedded on prepared base	m ²	100,00		
				SUBTOTAL	

Bill No. 7 — Electrical installation

Item	Description	Unit	Qty	Rate	Amount
7.1	Supply and install 2000mm high solar-powered LED pole lights, complete self-contained units (panel, battery, LED head), SABS approved	No.	13,00		
7.2	Testing and commissioning of solar pole light units	Sum			
				SUBTOTAL	

Bill No. 8 — Provisional sums

Item	Description	Unit	Qty	Rate	Amount
8.1	Provisional Sum: Eternal Flame Vessel — symbolic sculptural centrepiece, cast bronze (or weathering steel with bronze lining alternative), 1500mm diameter x 700mm high, supplied and fixed complete to granite plinth (Bill 4.4)	No.	1,00	180 000,00	180 000,00
	Add: Profit & Attendance	%			
8.2	Provisional Sum: Sculptural cap/head — 13 No. metal (cast/fabricated) half-ball structures, approx. 200mm diameter, fixed to the top of each commemorative column	No.	1,00	110 500,00	110 500,00
	Add: Profit & Attendance	%			
8.3	Provisional Sum: Interpretive bronze plaque to each commemorative column, comprising a primary inscription (chief's name), secondary inscription (clan affiliation and praise name), and a discreetly integrated QR code	No.	1,00	84 500,00	84 500,00
	Add: Profit & Attendance	%			
8.4	Provisional Sum: Extra-over the Corten reed backrest tubes (Bill 5) for a specialist patination treatment to achieve a bronze/brass-toned finish, including an approved sample panel prior to full application	Sum	1,00	45 000,00	45 000,00
	Add: Profit & Attendance	%			
8.5	Provisional Sum: Landscaping works to the Fig Tree Monument, including preparation and conditioning of topsoil, supply and planting of approved indigenous and drought-tolerant Limpopo/Bushveld species, indigenous grass and groundcover, mulch to planted beds, establishment and maintenance of planted areas, and all associated labour, materials, planting, watering and making good, complete in accordance with the Landscape Architect's final planting plan and specification.	Sum	1,00	75 000,00	75 000,00
	Add: Profit & Attendance	%			
				SUBTOTAL	