



SUPPLY AND INSTALLATION OF ELEVATORS - ALIWAL NORTH CAMPUS

		QUANTITY	RATE	AMOUNT
SECTION NO. 1				
PRELIMINARIES AND GENERAL				
BUILDING WORK				
BILL NO. 1				
FIXED CHARGE ITEMS				
<u>Contractual requirements.</u>				
Insurances	SUM	1		
Programming	SUM	1		R -
Performance Security	SUM	1		R -
Retention Guarantee	SUM	1		R -
<u>Establishment of Facilities on the Site</u>				
<u>Facilities for Engineer</u>				
Equipment for the Engineer's Staff	SUM	1		R -
<u>Facilities for Contractor</u>	H4			
Offices and Storage Sheds	SUM	1		R -
Workshops	SUM	1		R -
Site Establishment	SUM	1		R -
Living Accomodation - The Contractor to supply a breakdown of the different categories namley: Supervision, Skilled Labor, Semi Skilled Labour and Unskilled Labour	SUM	1		R -
Laboratory Facilities	SUM	1		R -
Ablution and Latrine Facilities	SUM	1		R -
Tools and Equipment	SUM	1		R -
Water Supplies	SUM	1		R -
Electric Power	SUM	1		R -
Communication	SUM	1		R -

Air Supplies	SUM	1		R -
Dealing with Water	SUM	1		R -
Access	SUM	1		R -
<u>Facilities Requiring Special Attention</u>				
Security	SUM	1		R -
Safety	SUM	1		R -
Samples and certification of materials	SUM	1		R -
Testing Authority	SUM	1		R -
Other Contractors	SUM	1		R -
Quality Assurance	SUM	1		R -
Orders and Indents	SUM	1		R -
Site Meetings	SUM	1		
Plant for the Works	SUM	1		R -
Transport on the site	SUM	1		R -
Transport of the Workforce to and from the site	SUM	1		R -
Supervision for the duration of the construction	SUM	1		R -
Company and head office overheads costs for the duration of the contract works	SUM	1		R -
Other fixed charge obligation - Contractor to submit details	SUM	1		R -
Remove site establishment on completion	SUM	1		R -
VALUE RELATED ITEMS				
<u>Contractual requirements.</u>				
Insurances	SUM	1		R -
Programming	SUM	1		R -
Performance Security	SUM	1		R -
Retention Guarantee	SUM	1		R -
<u>Establishment of Facilities on the Site</u>				
<u>Facilities for Engineer</u>				
Equipment for the Engineer's Staff	SUM	1		R -
<u>Facilities for Contractor</u>				

Offices and Storage Sheds	SUM	1	R	-
Workshops	SUM	1	R	-
Site Establishment	SUM	1	R	-
Living Accomodation - The Contractor to supply a breakdown of the different categories namley: Supervision, Skilled Labor, Semi Skilled Labour and Unskilled Labour	SUM	1	R	-
Laboratory Facilities	SUM	1	R	-
Ablution and Latrine Facilities	SUM	1	R	-
Tools and Equipment	SUM	1	R	-
Water Supplies	SUM	1	R	-
Electric Power	SUM	1	R	-
Communication	SUM	1	R	-
Air Supplies	SUM	1	R	-
Dealing with Water	SUM	1	R	-
Access	SUM	1	R	-
<u>Facilities Requiring Special Attention</u>				
Security	SUM	1	R	-
Safety	SUM	1	R	-
Samples and certification of materials	SUM	1	R	-
Testing Authority	SUM	1	R	-
Other Contractors	SUM	1	R	-
Quality Assurance	SUM	1	R	-
Orders and Indents	SUM	1	R	-
Site Meetings	SUM	1	R	-
Plant for the Works	SUM	1	R	-
Transport on the site	SUM	1	R	-
Transport of the Workforce to and from the site	SUM	1	R	-
Supervision for the duration of the construction	SUM	1	R	-
Company and head office overheads costs for the duration of the contract works	SUM	1	R	-

Other value related obligations - Contractor to submit details	SUM	1		R	-
Remove site establishment on completion	SUM	1		R	-
TIME RELATED ITEMS					
<u>Contractual requirements.</u>					
Insurances	SUM	1		R	-
Programming	SUM	1		R	-
Performance Security	SUM	1		R	-
Retention Guarantee	SUM	1		R	-
<u>Establishment of Facilities on the Site</u>					
<u>Facilities for Engineer</u>					
Equipment for the Engineer's Staff	SUM	1		R	-
<u>Facilities for Contractor</u>					
Offices and Storage Sheds	SUM	1		R	-
Workshops	SUM	1		R	-
Site Establishment	SUM	1		R	-
Living Accomodation - The Contractor to supply a breakdown of the different categories namley: Supervision, Skilled Labor, Semi Skilled Labour and Unskilled Labour	SUM	1		R	-
Laboratory Facilities	SUM	1		R	-
Ablution and Latrine Facilities	SUM	1		R	-
Tools and Equipment	SUM	1		R	-
Water Supplies	SUM	1		R	-
Electric Power	SUM	1		R	-
Communication	SUM	1		R	-
Air Supplies	SUM	1		R	-
Dealing with Water	SUM	1		R	-
Access	SUM	1		R	-
<u>Facilities Requiring Special Attention</u>					
Security	SUM	1		R	-
Safety	SUM	1		R	-

Samples and certification of materials	SUM	1		R -
Testing Authority	SUM	1		R -
Other Contractors	SUM	1		R -
Quality Assurance	SUM	1		R -
Orders and Indents	SUM	1		R -
Site Meetings	SUM	1		R -
Plant for the Works	SUM	1		R -
Transport on the site	SUM	1		R -
Transport of the Workforce to and from the site	SUM	1		R -
Supervision for the duration of the construction	SUM	1		R -
Company and head office overheads costs for the duration of the contract works	SUM	1		R -
Other time related obligation - Contractor to submit details	SUM	1		R -
Remove site establishment on completion	SUM	1		R -
CLO Allowance	MONTH	11		R -
Project Steering Committee Allowance	MONTH	11		R -
TOTAL SECTION NO 1 - PRELIMINARIES				

SECTION 2				
<u>BILL NO. 1</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.				
<u>EARTHWORKS (PROVISIONAL)</u>				
For preambles see "Model Preambles for Trades (2008 Edition)" and Supplementary preambles as specified in the Trades.				
Nature of ground				
The nature of the ground is assumed to be sandy weathered granite, therefore "earth", but possibly interspersed with "hard rock"				
Excavation for working space in rock				
Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as "extra over" bulk excavation or trench and hole excavation as the case may be				
Carting away of excavated material				
<i>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site</i>				
<i>Filling</i>				
Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material				
Soil poisoning				
Ant and weed poisoning will be applied in accordance to SABS specifications by Registered and Approved Specialists who will issue a five (5) year guarantee. The contractor will only be paid for this items once they have produced the said certificate to the Principal Agent				
<u>User note</u>				
<i>When no information regarding density and other tests is available the following preamble in respect of testing may be inserted</i>				
<u>Testing</u>				

Prices for filling are to include for all necessary density and other tests				
<u>SITE CLEARANCE</u>				
<u>User note</u>				
<i>Where the value is of significance, the removal of hedges etc shall be given separately in meters or in number</i>				
<u>Site clearance</u>				
Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m2	36		R -
<u>REMOVAL OF CONCRETE</u>				
<u>Taking out and removing Concrete related structures</u>				
Removal of existing interlocking bricks and any related structures on block B	m2	36		R -
Removal of existing interlocking bricks and any related structures on workshop entrance	m2	40		R -
TOTAL SECTION NO 2 BILL NO 1 - EXCAVATIONS				R -

SECTION NO.2				
BILL NO 2				
EXTERNAL WORK				
ELEVATORS				
Supply, installation and commisioning of 1000kg elevator on building block B and Workshop entrance to complete specifications. Elevator specified to persons with disabilities. To carry maximum of 6 people. Installation to include all electrical connections and mechanical connections. Refer to elevator specification and Drawings	No	2	R	-
<u>Excavation in eart not exceeding 2m deep</u>				
In holes	m3	144	R	-
<u>Extra over bulk excavation in earth for excavation in</u>				
Soft rock	m3	52	R	-
Hard rock	m3	76	R	-
<u>Extra over all excavations for carting away</u>				
Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	144	R	-
<u>Keeping excavations free of water</u>				
Keeping excavations free of water other than subterranean water	Item	1	R	-
Reinforced Concrete cast against excavated surfaces				
35MPa				
Elevator shaft at 35Mpa concrete strength	m3	130	R	-
Bases	m3	90	R	-
Additional slab on first floor	m3	7	R	-
50mm screed on floor slab finish	m3	0.9	R	-
Concrete test cubes	No	6	R	-

<u>LAYER WORK</u>					
150mm crushed G4 material compacted to 96% Mod AASHTO Desnsity	m3	8.22		R	-
<u>STEEL WORK</u>	H2				
<u>0,6mm Galvanised sheet iron with "Chromadek" finish on one side</u>	H4				
Elevator shaft Reinforcement	t	20		R	-
Y14 Diameter reinforcement - See ref bending schedule for elevator foundation base	t	2		R	-
Y12 Diameter reinforcement - See ref bending schedule for additional floor slab on first floor	t	2		R	-
<u>SHUTTERS</u>	H2				
Shutters to support all concrete works on smooth surface	m2	110		R	-
TOTAL SECTION NO 2 BILL NO 2 - EXTERNAL WORK				R	-
SECTION NO.3					
<u>BILL NO 1</u>					
<u>PROVISIONAL SUMS</u>					
<u>ELECTRICAL WORKS</u>					
Allow an amount of R350 000.00 for all electrical connections	Item	1	R 350,000.00	R	350,000.00
<u>SPECIAL ACCESS</u>					
Allow a provisional sum of R 200 000 for the creation of special card/s access for the disabled personnel and staff members, including all associated works, as directed by the Principal Agent	Item	1	R 200,000.00	R	200,000.00
<u>HEAVY DUTY CRANE SERVICES</u>					
Allow a provisional sum of R 800 000 for all heavy duty machine required activities as directed by the principal agent	Item	1	R 800,000.00	R	800,000.00
<u>SERVICE AND MAINTENANCE</u>					
Allow an amount of R700 000.00 for servicing and maintaining the elevators for a period of 3 years	item	1	R 700,000.00	R	700,000.00
<u>CONTINGENCIES</u>					
<u>Allow contingencies of R400 000.00 to be used directly by the Principal Agent or deducted in whole or in part if not required.</u>	Item	1	R 400,000.00	R	400,000.00
<u>TECHNICAL STUDENTS TRAINING</u>					
Allow an amount of R 250 000.00 for the contractor to transfer skills to IKHALA TVET College students. Students to be nominated by the college	Item	1	R 250,000.00	R	250,000.00

Contractors handling fee	%			R -
TOTAL SECTION 3 BILL 1				
TOTAL EXCLUDING VAT				R -
VAT @ 15%				R -
TOTAL INCLUDING VAT				R -