

ADDITIONAL REQUIREMENTS AND BILL OF QUANTITIES (BOQ) FOR LIQUID OXYGEN OPERATIONALIZATION CIVIL WORKS AT MAFETENG HOSPITAL

- A. Additional requirements to be provided by prospect contractors in response to the RFP for liquid oxygen operationalization civil works at Mafeteng hospital, in addition to the previously requested in Annex A and Annex of the **RFP/CHAI/ VIE/LES0222**.

- I. Program of works / Proposed Work plan.
- II. Financial Statements and auditor's report for the previous year.
- III. Evidence of adequacy of cash flow for this contract (access to line(s) of credit and/or availability of other financial resources equal or more than the total cost of the proposal).
- IV. Authority to seek references from Bidders' bankers.
- V. References and Projects contracted (3 of each, from current year or within the past 3 years) – ***with client name and contacts, project scope and project value.***

- B. Bill of quantities (BOQ) for liquid oxygen operationalization civil works at Mafeteng hospital. (*Next page*)

**OPERATIONALIZATION OF TWO ~14-TON (12,249 L) MEDICAL LIQUID OXYGEN TANKS,
LIQUID OXYGEN TO GAS CYLINDER FILLING STATION AT MAFETENG REGIONAL
HOSPITAL, MAFETENG**

***PROVISIONAL BILL OF QUANTITIES
FOR
SYSTEM / FILLING STATION, AND CYLINDER STORAGE CONSTRUCTION
WORKS***

22-Jul-22

| | <u>DESCRIPTION</u> | <u>UNIT</u> | <u>QUANTITY</u> | <u>RATE</u> | <u>AMOUNT</u> |
|----|---|-------------|-----------------|-------------|---------------|
| 8 | Works Risk (clause 8) F:..... V:..... T:..... | Item | 1 | | |
| 9 | Indemnities (clause 9) F:..... V:..... T:..... | Item | 1 | | |
| 10 | General Insurances (clause 10) F:..... V:..... T:..... | Item | 1 | | |
| 11 | Special Insurances (clause 11) F:..... V:..... T:..... | Item | 1 | | |
| 12 | Effecting Insurances (clause 12) F:..... V:..... T:..... | Item | 1 | | |
| 13 | Assignment (clause 13) F:..... V:..... T:..... | Item | 1 | | |
| 14 | Security (clause 14) F:..... V:..... T:..... | Item | 1 | | |
| | <u>Execution</u> | | | | |
| 15 | Preparation for and Execution of the Works (clause 15) F:..... V:..... T:..... | Item | 1 | | |
| 16 | Site and Access (clause 16) F:..... V:..... T:..... | Item | 1 | | |
| 17 | Contract Instructions (clause 17) F:..... V:..... T:..... | Item | 1 | | |
| 18 | Setting out of the works (clause 18) The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments. F:..... V:..... T:..... | Item | 1 | | |
| 19 | Temporary works and plant (clause 19) F: V: T:..... | Item | 1 | | |
| 20 | Nominated Sub-contractors (clause 20) F:..... V:..... T:..... | Item | 1 | | |
| 21 | Selected Sub-contractors (clause 21) F:..... V:..... T:..... | Item | 1 | | |
| 22 | Employer's Direct Contractors (clause 22) F:..... V:..... T:..... | Item | 1 | | |
| 23 | Contractor's Domestic Sub-contractors (clause 23) F:..... V:..... T:..... | Item | 1 | | |
| | <u>Completion</u> | | | | |
| 24 | Practical Completion (clause 24) F:..... V:..... T:..... | Item | 1 | | |
| 25 | Works Completion (clause 25) F:..... V:..... T:..... | Item | 1 | | |
| 26 | Final Completion (clause 26) F:..... V:..... T:..... | Item | 1 | | |
| 27 | Latent Defects Liability Period (clause 27) F:..... V:..... T:..... | Item | 1 | | |
| 28 | Sectional Completion (clause 28) F:..... V:..... T:..... | Item | 1 | | |
| 29 | Revision of Date for Practical Completion (clause 29) F:..... V:..... T:..... | Item | 1 | | |
| 30 | Penalty for Late or Non-completion (clause 30) F:..... V:..... T:..... | Item | 1 | | |
| | <u>Payment</u> | | | | |
| 31 | Interim Payment (clause 31) Interim payment. The inclusion of materials and goods stored off site in the amount authorised for payment in terms of clause 31.4 shall be at the sole discretion of the principal agent and such inclusion shall only be considered upon the provision, by the contractor, of an approved guarantee issued by a registered commercial bank. Clause 31.6.5 is therefore not applicable. Materials and goods stored off site shall not be included in the amount authorised for payment. F:..... V:..... T:..... | Item | 1 | | |

| | <u>DESCRIPTION</u> | <u>UNIT</u> | <u>QUANTITY</u> | <u>RATE</u> | <u>AMOUNT</u> |
|----|---|-------------|-----------------|-------------|---------------|
| 32 | Adjustment to the Contract Value (clause 32) All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor. Where prices are submitted by the contractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of the contract and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the final payment certificate, it shall be in writing. F:..... V:..... T:..... | Item | 1 | | |
| 33 | Recovery of Expense and Loss (clause 33) F:..... V:..... T:..... | Item | 1 | | |
| 34 | Final Account and Final Payment (clause 34) F:..... V:..... T:..... | Item | 1 | | |
| 35 | Payment to Other Parties (clause 35) F:..... V:..... T:..... | Item | 1 | | |
| | <u>Termination</u> | | | | |
| 36 | Termination by Employer - Contractor's Default (clause 36) F:..... V:..... T:..... | Item | 1 | | |
| 37 | Termination by Employer - Loss and Damage (clause 37) F:..... V:..... T:..... | Item | 1 | | |
| 38 | Termination by Contractor - Employer's Default (clause 38) F:..... V:..... T:..... | Item | 1 | | |
| 39 | Termination - Cessation of the Works (clause 39) F:..... V:..... T:..... | Item | 1 | | |
| | <u>Dispute</u> | | | | |
| 40 | Settlement of Disputes (clause 40) F:..... V:..... T:..... | Item | 1 | | |
| | <u>Contract data - Employer to Contractor Code 2101 - EC</u> | | | | |
| 41 | Post tender provisions (clause 41) The required post tender information shall be inserted in the post tender provisions after consultation with the contractor F:..... V:..... T:..... | Item | 1 | | |
| 42 | Contractual agreement (clause 42) The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties F:..... V:..... T:..... | Item | 1 | | |
| | <u>SECTION B - PRELIMINARIES: AUGUST 2010: PUBLISHED BY THE ASAQS</u> | | | | |
| | <u>Definitions and interpretation</u> | | | | |
| 43 | Clause 1.0 - Definitions and interpretation F:..... V:..... T:..... | Item | 1 | | |
| | <u>Documents</u> | | | | |
| 44 | Clause 2.1 - Checking of documents F:..... V:..... T:..... | Item | 1 | | |
| | <u>Previous work and adjoining properties</u> | | | | |
| 45 | Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:..... | Item | 1 | | |
| 46 | Clause 3.2 - Previous work - defects F:..... V:..... T:..... | Item | 1 | | |
| 47 | Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:..... | Item | 1 | | |
| | <u>Samples, shop drawings and manufacturer's instructions</u> | | | | |
| 48 | Clause 4.1 - Samples of materials F:..... V:..... T:..... | Item | 1 | | |
| 49 | Clause 4.2 - Workmanship samples F:..... V:..... T:..... | Item | 1 | | |
| 50 | Clause 4.3 - Shop drawings F:..... V:..... T:..... | Item | 1 | | |
| 51 | Clause 4.4 - Compliance with manufacturer's instructions F:..... V:..... T:..... | Item | 1 | | |

| | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
|----|---|-------------|-----------------|-------------|---------------|
| | <u>Deposits and fees</u> | | | | |
| 52 | Clause 5.1 - Deposits and fees F:..... V:..... T:..... | Item | 1 | | |
| | <u>Temporary services</u> | | | | |
| 53 | Clause 6.1 - Water F:..... V:..... T:..... | Item | 1 | | |
| 54 | Clause 6.2 - Electricity F:..... V:..... T:..... | Item | 1 | | |
| 55 | Clause 6.3 - Telecommunication facilities F:.....V:..... T:..... | Item | 1 | | |
| 56 | Clause 6.4 - Ablution facilities F:..... V:..... T:..... | Item | 1 | | |
| | <u>Prime cost amounts</u> | | | | |
| 57 | Clause 7.1 - Responsibility for prime cost amounts F:..... V:..... T:..... | Item | 1 | | |
| | <u>Special attendance on n/s Sub-contractors</u> | | | | |
| 58 | Clause 8.1 - Special attendance F:..... V:..... T:..... | Item | 1 | | |
| | <u>General</u> | | | | |
| 59 | Clause 9.1 - Protection of the works F:..... V:..... T:..... | Item | 1 | | |
| 60 | Clause 9.2 - Protection/isolation of existing/sectionally occupied works F:..... V:..... T:..... | Item | 1 | | |
| 61 | Clause 9.3 - Security of the works F:..... V:..... T:..... | Item | 1 | | |
| 61 | Clause 9.4 - Notice before covering work F:..... v:..... T:..... | Item | 1 | | |
| 62 | Clause 9.5 - Disturbance F:..... V:..... T:..... | Item | 1 | | |
| 63 | Clause 9.6 - Environmental disturbance F:..... v:..... T:..... | Item | 1 | | |
| 64 | Clause 9.7 - Works cleaning and clearing F:..... V:..... T:..... | Item | 1 | | |
| 65 | Clause 9.8 - Vermin F:..... V:.....T:..... | Item | 1 | | |
| 66 | Clause 9.9 - Overhand work F:..... V:..... T:..... | Item | 1 | | |
| | <u>Schedule of variables</u> | | | | |
| | Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract | | | | |
| | 10.1 - Provisional Bills of Quantities [clause 2.2] The quantities are provisional only in respect of items so depicted in the Bills of Quantities (yes/no) [YES] | | | | |
| | 10.2 - Availability of construction documentation [clause 2.3]Construction documentation is complete (yes/no) [YES] | | | | |
| | 10.3 - Previous work - dimensional accuracy [clause 3.1] [YES] | | | | |
| | 10.4 - Previous work - defects [clause 3.2] [YES] | | | | |
| | 10.5 - Inspection of adjoining properties [clause 3.3] (yes/no) [YES] | | | | |
| | 10.6 - Water [clause 7.2] Option A (by contractor) no Option B (by employer - free of charge) no Option C (by employer - metered) [YES] | | | | |
| | 10.7 - Electricity [clause 7.3] Option A (by contractor) no Option B (by employer - free of charge) no Option C (by employer - metered) [YES] | | | | |

DESCRIPTION

UNIT

QUANTITY

RATE

AMOUNT

10.8 - Telecommunication [clause 7.4] Telephone - no Facsimile - no E - Mail - no

10.9 - Ablution Facilities [clause 7.5] Option A (by contractor) [YES]
Option B (by employer - free of charge) no Option C (by employer - metered) no

10.10 - Protection of Works [clause 9.1]

10.11 - Protection/isolation of existing/sectionally occupied works [clause 9.2] Protection/isolation is required [YES]

10.12 - Disturbance [clause 9.5]

10.13 - Environmental disturbance [clause 9.6]

Carried to Final Summary

M

BILL NO. 1

PRELIMINARIES

Proposed Tank Plinth at Mafeteng Hospital

Bella Cost Consulting

| SECTION NO. 2 | | | | | |
|----------------------|--|----------------|-----------------|-------------|---------------|
| BILL NO. 2 | | | | | |
| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
| | EARTHWORKS | H1 | | | |
| | NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill | | | | |
| | NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent. | | | | |
| | NOTE: All materials must be suitable for oxygen application | | | | |
| | DEMOLITIONS ETC | H2 | | | |
| | <u>Breaking up and removing</u> | H3 | | | |
| 1 | Unreinforced concrete kerbs | M | 6 | | |
| | <u>Taking down and removing</u> | H3 | | | |
| 2 | Steel diamond mesh security fence with steel posts and droppers and 45 degree barbed wire overhang | M | 17 | | |
| | SITE CLEARANCE ETC | H2 | | | |
| | <u>Site clearance</u> | H3 | | | |
| 3 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth | M ² | 208 | | |
| 4 | Stripping average 150mm thick layer of top soil and depositing material in prescribed stock piles on site | M ² | 208 | | |
| | REMOVAL OF TREES ETC | H2 | | | |
| | <u>Taking out and removing, grubbing up roots and filling in holes</u> | H3 | | | |
| 5 | Tree stump exceeding 200mm and not exceeding 500mm girth | No | 5 | | |
| | <u>Cutting down and removing, grubbing up roots and filling in holes</u> | H3 | | | |
| 6 | Tree exceeding 200mm and not exceeding 500mm girth | No | 5 | | |
| 7 | Tree exceeding 500mm and not exceeding 2000mm girth | No | 2 | | |
| | EXCAVATIONS, ETC | H2 | | | |
| | <u>Excavate in earth not exceeding 2m deep</u> | H3 | | | |
| 8 | Trenches | M ³ | 25 | | |
| 9 | Thickening under surface beds etc | M ³ | 5 | | |
| | <u>Extra over trench and hole excavation in earth for excavation in</u> | H3 | | | |
| 10 | Soft rock | M ³ | 2 | | |
| 11 | Hard rock | M ³ | 3 | | |
| | <u>Extra over all excavations for carting away</u> | H3 | | | |
| 12 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor | M ³ | 12 | | |
| | <u>Risk of collapse of excavations</u> | H3 | | | |
| 13 | Sides of trench and hole excavations not exceeding 1,5m deep | M ² | 94 | | |
| | <u>Keeping excavations free of water</u> | H3 | | | |
| 14 | Keeping excavations free of all water other than subterranean water | Item | 1 | | |

| BILL NO. 3 | | | | | |
|--|--|----------------|----------|----------|--------|
| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
| | CONCRETE, FORMWORK AND REINFORCEMENT | H1 | | | |
| | NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill | | | | |
| | NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent. | | | | |
| | NOTE: All materials must be suitable for oxygen application | | | | |
| | UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES | H2 | | | |
| | <u>15MPa/19mm Concrete</u> | H3 | | | |
| 1 | Surface blinding under surface beds | M ³ | 11 | | |
| 2 | Ramps | M ³ | 8 | | |
| | REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES | H2 | | | |
| | <u>30MPa/19mm Concrete</u> | H3 | | | |
| 3 | Trenches | M ³ | 6 | | |
| 4 | Surface beds on waterproofing | M ³ | 62 | | |
| 5 | Thickening below ground floor slab 650mm wide x 150mm deep | M | 59 | | |
| | TEST BLOCK | H2 | | | |
| 6 | Making and testing 150 x 150 x 150mm concrete strength test cube | No | 12 | | |
| | CONCRETE SUNDRIES | H2 | | | |
| | <u>Finishing top surfaces of concrete smooth with a wood float</u> | H3 | | | |
| 7 | Surface beds, slabs, etc | M ² | 208 | | |
| | MOVEMENT JOINTS ETC | H2 | | | |
| | <u>Isolation Joint</u> | H3 | | | |
| 8 | 3 x 40mm joints in top of concrete | M | 60 | | |
| | <u>Horizontal construction joints through concrete including thick cement slurry to one face</u> | H3 | | | |
| 9 | Surface beds not exceeding 300mm thick | M | 69 | | |
| | REINFORCEMENT | H2 | | | |
| | <u>Mild steel reinforcement to structural concrete work</u> | H3 | | | |
| 10 | 8mm Diameter bars | T | 0.10 | | |
| | <u>High tensile steel reinforcement to structural concrete work</u> | H3 | | | |
| 11 | 12mm Diameter bars | T | 0.25 | | |
| | <u>Fabric reinforcement</u> | H3 | | | |
| 12 | Type 395 fabric reinforcement in concrete surface beds etc | M ² | 208 | | |
| 13 | Type 517 fabric reinforcement in concrete surface beds etc | M ² | 208 | | |
| | Carried to Summary of Buildings | | | M | |
| BILL NO. 3 | | | | | |
| CONCRETE, FORMWORK AND REINFORCEMENT | | | | | |
| Proposed Tank Plinth at Mafeteng Hospital | | | | | |
| Bella Cost Consulting | | | | | |

| BILL NO. 4 | | | | | |
|-------------------|--|----------------|----------|----------|--------|
| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
| | MASONRY | H1 | | | |
| | NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill | | | | |
| | NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent. | | | | |
| | NOTE: All materials must be suitable for oxygen application | | | | |
| | BRICKWORK | | | | |
| | FOUNDATIONS | H2 | | | |
| | <u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u> | H3 | | | |
| 1 | One brick walls | M ² | 29 | | |
| | SUPERSTRUCTURE | H2 | | | |
| | <u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u> | H3 | | | |
| 2 | One brick walls | M ² | 115 | | |
| | BRICKWORK SUNDRIES | H2 | | | |
| | <u>2.5mm Brickwork reinforcement</u> | H3 | | | |
| 3 | 230mm Wide reinforcement built in horizontally | M | 451 | | |
| | Carried to Summary of Buildings | | | | |
| | | | | M | |
| | BILL NO. 4 | | | | |
| | MASONRY | | | | |
| | Proposed Tank Plinth at Mafeteng Hospital | | | | |
| | Bella Cost Consulting | | | | |

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
|----------|---|----------------|----------|------|--------|
| | BILL NO. 5 WATERPROOFING NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent. NOTE: All materials must be suitable for oxygen application SUPPLEMENTARY PREAMBLES Waterproofing of roofs, basements, etc shall be laid under a five year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs | H1 | | | |
| | DAMPPOOFING OF WALLS AND FLOORS | H2 | | | |
| | <u>One layer of 375 micron "Consol Plastics Brikgrip DPC"</u> | H3 | | | |
| 1 | In walls | M ² | 9 | | |
| | <u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u> | H3 | | | |
| 2 | Under surface beds | M ² | 208 | | |
| | Carried to Summary of Buildings | | | M | |
| | BILL NO. 5 WATERPROOFING Proposed Tank Plinth at Mafeteng Hospital Bella Cost Consulting | | | | |

BILL NO. 6

ITEM
NO.

DESCRIPTION

UNIT

QUANTITY

RATE

AMOUNT

ROOF COVERINGS ETC

H1

NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill

NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.

NOTE: All materials must be suitable for oxygen application

PROFILED METAL SHEETING AND ACCESSORIES

H2

0.5mm Pre finished IBR roof sheeting laid on green UF over steel trusses

H3

1

Roof covering with pitches not exceeding 25 degrees

M²

92

Carried to Final Summary

M

BILL NO. 6

ROOF COVERINGS ETC

Proposed Tank Plinth at Mafeteng Hospital

Bella Cost Consulting

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
|----------|--|----------------|----------|------|--------|
| | <p>BILL NO. 7</p> <p>STRUCTURAL STEELWORK</p> <p>NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill</p> <p>NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.</p> <p>NOTE: All materials must be suitable for oxygen application</p> <p>SUPPLEMENTARY PREAMBLES</p> <p><u>Descriptions</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers. Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete. Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>NOTE: All materials must be suitable for oxygen application</p> <p>STEEL COLUMNS AND RAFTERS</p> <p><u>Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete</u></p> | H1 | | | |
| 1 | <p>100 x 100mm x 8mm square tubes</p> <p><u>Commercial quality steel including all necessary connections, etc</u></p> | T | 0.8 | | |
| 2 | <p>150 x 65 x 20 x 2mm Thick cold-formed lipped channel purlins</p> <p>PAINTING</p> <p><u>One coat red oxide primer and two coats black Dulux</u></p> | T | 1.1 | | |
| 3 | <p>On galvanised steel purlins, girts, etc</p> | M ² | 94 | | |
| 4 | <p>BOLTS, FASTENERS, ETC</p> <p>20mm Diameter threaded anchor bolt embedded in top of concrete</p> | No | 6 | | |
| | Carried to Summary of Buildings | | | M | |
| | <p>BILL NO. 7</p> <p>STRUCTURAL STEELWORK</p> <p>Proposed Tank Plinth at Mafeteng Hospital</p> <p>Bella Cost Consulting</p> | | | | |

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
|----------|--|----------------|----------|----------|--------|
| | BILL NO. 8 | | | | |
| | METALWORK | | | | |
| | NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill | | | | |
| | NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent. | | | | |
| | NOTE: All materials must be suitable for oxygen application | | | | |
| | STEEL GATES, SCREENS, ETC | | | | |
| | <u>Welded screens and gates to storages</u> | | | | |
| 1 | 50 x 50 x 2.5mm Lightly Galvanised welded fence infill in approximately 2700mm high barricading steel frame including all necessary fixing | M ² | 32 | | |
| 2 | 100mm Diameter thick pipe rails, posts, etc | T | 0.3 | | |
| 3 | Single gate 900 x 2100mm high hollow section frame filled in with 50 x 50 x 2.5mm welded mesh spot welded to frame and fitted with a pair of suitable hinges welded to post and with hasp and staple welded on | No | 3 | | |
| | Carried to Summary of Buildings | | | M | |
| | BILL NO. 8 | | | | |
| | METALWORK | | | | |
| | Proposed Tank Plinth at Mafeteng Hospital | | | | |
| | Bella Cost Consulting | | | | |

SECTION NO. 2: BUILDING WORKS

SECTION SUMMARY - SECTION NO. 2: BUILDING WORKS

BILL NO.

Page
No

AMOUNT

- 2 EARTHWORKS
- 3 CONCRETE, FORMWORK AND REINFORCEMENT
- 4 MASONRY
- 5 WATERPROOFING
- 6 ROOF COVERINGS, ETC
- 7 STRUCTURAL STEELWORK
- 8 METALWORK

Carried to Final Summary

M

Section 2 - Summary Buildings

Proposed Tank Plinth at Mafeteng Hospital
Bella Cost Consulting

| SECTION NO. 3 | | | | | |
|----------------------|--|----------------|-----------------|-------------|---------------|
| BILL NO. 1 | | | | | |
| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
| | EXTERNAL WORKS | H1 | | | |
| | NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill | | | | |
| | NOTE: The contractor is advised to study the Architect's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent. | | | | |
| | NOTE: All materials must be suitable for oxygen application | | | | |
| | ROADWORK, PARKING AREAS AND PAVING | H2 | | | |
| | SUPPLEMENTARY PREAMBLES | | | | |
| | <u>Precast concrete block road surfacing</u> | | | | |
| | Paving shall be laid to herringbone pattern on 20mm thick (thickness after final compaction) clean river sand | | | | |
| | Clean sand shall be swept into joints between roadstones at completion | | | | |
| | <u>Site clearance</u> | H3 | | | |
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth | M ² | 119 | | |
| | <u>Extra over all excavations for carting away</u> | H3 | | | |
| 2 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor | M ³ | 18 | | |
| | <u>Earth filling supplied by the contractor under parking areas, roadways, etc</u> | H3 | | | |
| 3 | Filling of G7 material in accordance with SABS 1200 DM, compacted to 93% Mod AASHTO density | M ³ | 18 | | |
| | <u>Compaction of surfaces</u> | H3 | | | |
| 4 | Compaction of ground surface under floor etc including scarifying for a depth of 150mm, breaking oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density | M ² | 119 | | |
| | <u>60mm Standardd grey Zig Zag double interlocking precast concrete paving blocks laid to pattern on river sand bedding with sand swept into joints to match existing paving</u> | H3 | | | |
| 5 | Paving to parking areas etc to falls | M ² | 119 | | |
| | <u>Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing</u> | H3 | | | |
| 6 | Kerb (SABS 927 fig 3)180x280mm high with 150x150x300mm unreinforced concrete haunching at back of each joint including excavation, backfilling,etc | M | 27 | | |
| 7 | Kerb (SABS 927 fig 3)180x280mm high with 150x150x300mm unreinforced concrete haunching at back of each joint circular on plan not exceeding 4m radius formed with short lengths of straight kerb including excavation, backfilling, etc. | M | 5 | | |
| | <u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u> | H3 | | | |
| 8 | Under pavings | M ² | 119 | | |
| | CONCRETE STORMWATER CHANNELS | H2 | | | |
| | <u>Precast concrete channels</u> | H3 | | | |

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
|----------|--|----------------|----------|------|--------|
| 9 | Excavation in earth not exceeding 2m deep for channels | M ³ | 3 | | |
| 10 | 25MPa/19mm reinforced concrete in bottoms and sides of channels | M ³ | 1 | | |
| 11 | Finishing bottoms of channels smooth with a steel trowel to falls | M ² | 7 | | |
| | FENCING | H2 | | | |
| | <u>Devil's fork palisade fencing, gates, etc</u> | H3 | | | |
| 12 | Devil's fork palisade fencing 1,8m high driven into ground in panels not exceeding 3000mm wide between and including intermediate, corner or gate posts | M | 57 | | |
| 13 | Single Swing gate size 900 x 2100mm with steel poles welded in steel poles and lockable with chain and gate lock | No | 1 | | |
| 14 | Sliding gate 2.8 x 1.8m high including running track and accessories | No | 2 | | |
| | PAINTWORK TO STEELWORK (NEW WORK) | H2 | | | |
| | <u>Two coats Plascon Velvaglo paint on steel</u> | H3 | | | |
| 15 | On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area) | M ² | 164 | | |
| | ROAD CONSTRUCTION | | | | |
| | <u>Road Construction including culverts, etc</u> | | | | |
| 16 | Design and construct an approximately 6m wide tarred road to endure load of up to 50 tonnes including culverts. Design to be approved by Roads Directorate | M | 50 | | |
| | Carried to Summary of Buildings | | | M | |
| | BILL NO. 1 | | | | |
| | EXTERNAL WORKS | | | | |
| | Proposed Tank Plinth at Mafeteng Hospital | | | | |
| | Bella Cost Consulting | | | | |

| Section No | FINAL SUMMARY | Page No | AMOUNT | |
|------------|--|---------|---------------|------------|
| 1 | Preliminaries | | | |
| 2 | Building Works | | | |
| 3 | External Works | | | |
| | SUB TOTAL | | M | |
| | CONTINGENCIES | | | |
| | Allow the sum of M 200 000 (Two Hundred Thousand Maloti Only) for the contingencies to be used as directed by the Principal Agent and deducted in part or in a whole if not required | Item | M | 200,000.00 |
| | SUB TOTAL | | | |
| | ADD: VALUE ADDED TAX AT 15% | VAT | | |
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Contract Amount

M

FINAL SUMMARY

Proposed Civil works Mafeteng Hospital