



COEGA DEVELOPMENT CORPORATION (PTY) LTD

CONTRACT No. CDC/444/26

FOR

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC
REPLACEMENT OF EXISTING FACILITY AT KING SABATA DALINDYEBO
MUNICIPALITY IN MTHATHA**

PROJECT DOCUMENT

BOOK 1 of 2: THE TENDER AND CONTRACT (RETURNABLE)

CLOSING DATE: 20 OCTOBER 2026

PREPARED FOR:

COEGA DEVELOPMENT CORPORATION (PTY) LTD

Mthatha Office

Ground Floor

76 Blakeway

Mthatha

5100

NAME OF BIDDER: _____
Book 1 of 2

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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***RESPONSIVENESS CHECKLIST**

TABLE 1: COMPLIANCE AND ADMINSTRATIVE REQUIREMENTS

NO.	DESCRIPTION
(1)	Completed and signed Invitation to Bid (SBD 1) . In case of a Joint Venture/Consortium, each entity MUST provide the CSD number in the SBD 1 form.
(2)	Completed and signed Bidder's Disclosure Form (SBD4) . In the case of a JV joint Venture / Consortium, a SEPARATE SBD4 form in respect of each party to the JV MUST be completed and submitted.
(3)	Completed and signed Form SBD 6.1 preference points claim form in terms of the Preferential Procurement Regulations 2022.
(4)	Completed and signed Form SBD 7.2 Contract Form – Rendering of Services
(5)	Bidders must complete and sign the Protection of Personal Information Act (POPIA): Consent Form

TABLE 2: MANDATORY REQUIREMENTS TO BE SUBMITTED BY BIDDERS

ITEM NO.	DESCRIPTION
(1)	Completed and Signed Attendance Register at the mandatory briefing meeting. The attendance register must be completed in the name of the bidding entity. One person cannot represent more than one bidding company. Failure to attend the compulsory briefing meeting will lead to the bidder's elimination the bid will not be evaluated further.
(2)	Bidders shall be registered with the Construction Industry Development Board (CIDB) and should have an active CIDB Contractor grading of 7GB or higher. 6GB PE and lower are not eligible to bid. The CDC will verify the active grading through the CIDB website.
(3)	A signed letter of intent to enter into a JV/Consortium, to be signed by all parties (Where applicable).
(4)	Completed and Signed Certificate of Authority of Signatory to be signed by all bidders. In case of a Joint Venture/ Consortium, the Authority of Lead Partner to sign JV/Consortium documents must ALSO be provided and signed by all parties in the JV. Proof of authority to sign may be submitted in a form of company resolution
(5)	Fully Completed and Signed Form of Offer.
(6)	An original fully completed, priced and handwritten Bill of Quantities (including Mechanical, Electrical BoQ & SHE BoQ (where applicable),) must be filled in clearly legible with permanent black ink. In cases where the P&G's is not priced the bidder must explicitly indicate as such. Failure to provide the total amount for P&G's or to state if the amount is covered elsewhere will result in immediate disqualification. The bidder must expressly state "included or

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ITEM NO.	DESCRIPTION
	elsewhere covered” for the line items that are considered to be covered elsewhere in measured works items. Non- compliance will lead to immediate disqualification. Copies of the priced BoQ, alternatively scanned copies of priced Bills of Quantities are not acceptable and may result in disqualification.
(7)	The Entity must provide proof of registration for the following resources as nominated on Form C: Proposed Key Personnel as follows: (a) Architect: Registered as a Professional Architect (Pr. Arch) with the South African Council for the Architectural Profession (SACAP) AND (b) Quantity Surveyor: Registered as a Professional Quantity Surveyor (Pr. QS) with the South African Council for the Quantity Surveying Profession (SACQSP) AND (c) Electrical Engineer: Registered as a Professional Engineer (Pr. Eng) OR Professional Engineering Technologist (Pr. Tech Eng) with the Engineering Council of South Africa (ECSA) AND (d) Mechanical Engineer: Registered as Professional Engineer (Pr. Eng) OR Professional Engineering Technologist (Pr. Tech Eng) with the Engineering Council of South Africa (ECSA) AND (e) Civil Engineer: Registered as a Professional Engineer (Pr. Eng) OR Professional Engineering Technologist (Pr. Tech Eng) with the Engineering Council of South Africa (ECSA) AND (f) Structural Engineer: Registered as a Professional Engineer (Pr. Eng) OR Professional Engineering Technologist (Pr. Tech Eng) with the Engineering Council of South Africa (ECSA) Notes: (1) <i>Candidate category will not be considered.</i> (2) <i>The registered professional SHALL NOT be nominated for two (2) or more competing bidders as this constitutes a Conflict of Interest. Freelancers to take note of this condition</i> (3) <i>Appointed Project Manager/Employer’s Representative under CDC/251/25 will not be accepted.</i> (4) <i>Appointed Cost Controller under CDC/197/24 will not be accepted.</i>

Note 1 - Failure of bidders to meet all the above mandatory requirements above will result in submissions being deemed null and void and shall be considered “non – responsive” and therefore not considered for further evaluation.

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TABLE 3: PROJECT SPECIFIC REQUIREMENTS/ADDITIONAL INFORMATION

NO.	DESCRIPTION
(1)	As per the amended construction codes, companies with less than 51% black shareholding (QSEs & Generics) are to submit a valid SANAS Accredited B-BBEE Verification Certificate (with the full applicable B-BBEE elements) QSEs with at least 51% or 100% black shareholding and EMEs with an annual turnover of R3,0 million or more are required to submit a B-BBEE verification certificate from a SANAS accredited verification agency as they have to comply with the 40% sub-minimum requirement on the QSE Skills Scorecard to avoid being discounted a level. EMEs with a turnover of less than R3,0 million are exempt from complying with the subminimum requirement and may submit an affidavit or a certificate issued by CIPC, confirming their ownership and annual turnover. In case of a Joint Venture (JV) / Consortium, a consolidated B-BBEE certificate would be required, and it must be accompanied by individual B-BBEE Certificates/affidavits of their entities to confirm the type of enterprise.
(2)	Supporting documents on project imperatives: (a) Plans for promoting and managing safety, health and environmental issues during execution of the project. (b) Plans for monitoring and applying quality assurance principles in the execution of the project. (c) Plans for addressing socio-economic issues (with specifics on numbers to be achieved) which include: (i) Maximisation of job opportunities (labour histograms); (ii) Use of local material/local suppliers; and Training of labour (non-accredited and accredited training)
(3)	Provide information that covers the level of education and training, and the positions held of the key staff /personnel (specific to the Architect, Quantity Surveyor, Electrical Engineer, Mechanical Engineer, Civil Engineer, Structural Engineer, Contracts Manager, Site Agent and Foreman including in the form of a CV. In order to determine the period of relevant experience for the purpose of allocating scores. The CV must set out, at a minimum, the start and end date of each job/ work assignment with a brief description of the work undertaken during that period. Please provide copies of qualifications. If copies of qualifications are not provided, a score for qualifications will not be allocated.
(4)	Proof of available capital for the execution of this project in the form of confirmed credit line with banking institution and letters of confirmation of supplier credit. In order for Bank Letters to contribute to the score, the letter must set out a Rand value that the contractor is "good for". An alphabetical rating only - I.e. "A" or "B" etc. will not attract a score.
(5)	Access/Ownership (availability) of plant and equipment. In case of hiring key plant, a letter confirming the willingness of the hirer to hire equipment to the bidder.
(6)	An SMME Implementation Plan – for the achievement of the set target of 36% local economic participation or as per commitment made on Form K.

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NO.	DESCRIPTION
	Further reference is made to Table B2: Item 3.0
(7)	Quality Control System and Procedures which ensure compliance with the standards and specifications required for delivery of the project
(8)	Provide a Professional Indemnity Insurance or letter of intent to provide Professional Insurance from the Insurer to a minimum value of R 3mil for each discipline (i.e. Architect, Quantity Surveyor, Electrical, Mechanical, Civil, Structural). Further reference is made to Table A2: Item 3.0

Note 2: Following award of the contract to the successful tenderer, the employer shall provide the contractor with the required documents which shall be completed by the contractor and submitted within the stipulated period.

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FUNCTIONALITY SCORING SCHEDULES

Table A1: Consultants Functionality

No	Functional Criteria	Max. Score
1	Demonstrated Experience on Relevant Projects	35
Architect	Bidders must demonstrate the experience of the assigned resource by providing evidence of completed construction projects that are comparable to this project in terms of: (a) Facility type: medical or clinical facilities; (b) Project value Bidders Must Submit: For the each assigned resource, details of completed comparable projects. Each project submission must include: Demonstrated Experience - Completion certificates for a comparable medical/clinical project completed in the last 7 years (a) Project Details - Project name; Project location; Contract value; Project duration; Project status (must show that project is completed); AND (b) Evidence Linking the Assigned Resource to the Project - Clear indication that the proposed resource participated in the project (e.g., appointment letter, CV project list, client confirmation). Summary: Bidders must show that the assigned resource has successfully completed similar medical/clinical facility projects of comparable design complexity, size, and value.	10
Quantity Surveyor		5
Mechanical Engineer		5
Electrical Engineer		5
Civil Engineer		5
Structural Engineer		5
2	Demonstrated Capability	35
Architect	Bidders must demonstrate the capability of the assigned discipline specific resource/entity by providing: Proof of Capability - Performance reports or reference letter from the previous Employer/Client/Client's representative (Principal Agent/Lead Consultant), which should include the above project details. Information submitted must show as a minimum: (i) Project Details - Project name; Project location; Contract value; Project duration; Project status (must show that project is completed); AND (ii) Employer/Client/Client's Representative Details – Name, Contact Number/Email Address; AND (iii) Overall Performance as a Percentage Rating. Scoring on a Scale of 1 to 5 will be converted to percentage. Summary: Bidders may submit performance reports completed on Form R: PSP Performance Report, which is issued a guideline document.	10
Quantity Surveyor		5
Mechanical Engineer		5
Electrical Engineer		5
Civil Engineer		5
Structural Engineer		5



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No	Functional Criteria	Max. Score
3	Professional Indemnity Insurance	30
Architect	Bidders must provide evidence that the professional consulting firm (per discipline) has adequate Professional Indemnity (PI) Insurance to cover a project of this nature. Bidders Must Submit To meet this criterion, bidders must provide ONE of the following: (a) A valid Professional Indemnity (PI) Insurance Certificate - Must show the insured amount (limit of indemnity); Must clearly reflect the consulting firm's name; Must be valid at the time of submission. OR (b) A Letter of Intent (LOI) from the Professional Service Provider's (PSP) Insurer - A formal confirmation that the insurer will provide PI insurance for this specific project if the bidder is appointed; Must include the potential cover amount and insurer details. Summary: The bidder must demonstrate that the firm has—either currently in place or formally committed to obtaining—appropriate PI Insurance to cover the risks associated with this project.	5
Quantity Surveyor		5
Mechanical Engineer		5
Electrical Engineer		5
Civil Engineer		5
Structural Engineer		5
TOTAL		100

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Table A2: Consultants: Indicators for the Scoring of Functionality Criteria

#	Functionality Criteria	No response (0%)	Poor (25%)	Satisfactory (50%)	Good (75%)	Very Good (100%)
1	Demonstrated Experience of the Registered Professional -	Failed to provide Information	One or more Medical/Clinical projects completed in the last 7 years with values less than R9M (incl. VAT).	Minimum one Medical/Clinical projects completed in the last 7 years valued at R9Million (incl. VAT) or higher	Minimum two Medical/Clinical projects completed in last 7 years valued at R9Million (incl. VAT) or higher per project	Three or more Medical/Clinical projects completed in the last 7 years, valued at R9Million (incl. VAT) or higher per project
2	Proof of Capability of the PSP Entity	Failed to provide Information	Performance Reports or Reference Letter indicates that the Service Provider has Poor Performance – Rating of 0% to 49% or the equivalent	Performance Reports or Reference Letter indicates that the Service Provider has Satisfactory Performance – Rating of 50% or the equivalent	Performance Reports or Reference Letter indicates that the Service Provider has Good Performance – Rating of 51% to 75% or the equivalent	Performance Reports or Reference Letter indicates that the Service Provider has Very Good Performance – Rating of more than 76% or the equivalent
3	Professional Indemnity Insurance	Failed to provide information	Limit Professional Indemnity of less than R3m per claim, unlimited in the aggregate	Limit of Professional Indemnity of at least R3m per claim, unlimited in the aggregate.	Limit of Professional Indemnity > R3m to R5m per claim, unlimited in the aggregate	Limit of Professional Indemnity > R5m per Claim, unlimited in the aggregate.

If the combined weighted score is less than 60 then the tender is disqualified from further evaluation.

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Table B1: Contractor – Functionality Criteria Score

No	Functional Criteria	Sub-Criteria		Requirements from Bidders
		Description	Max Points	
1.0	Adequacy of proposed work plan: Construction Work Program / scheduling	Submission of a project programme	10	Bidders should propose the main activities for the implementation of the project indicating/describing their contents, durations, major resources (personnel, plant & equipment), critical path milestones demonstrating that the project can be delivered within stated period – Detailed scheduled with key activities – listing all planning activities leading up to the site activities. Refer to section C3.1 for the scope and quality register as the proposed format for identification of programme activities. Approvals processes. Construction activities; include subcontracted works; include procurement activities; and indicate ordering of long lead items.
2.0	Methodology for executing the work, including key risk factors to be considered	Detailed approach paper for executing the work, including key risk factors to be considered	10	Bidders must provide an approach paper (methodology and technical approach) detailing the execution of the project which is consistent with the project programme. The methodology is to refer to the scope of works, planning & construction phases, approvals processes and SHEQ issues. This must also include contingency planning and management. The key risk factors affecting the project should be described with possible mitigation action.
3.0	Sub-Contracting with QSEs/EMEs	Sub-Contracting with QSEs/EMEs	10	The Tenderers are to provide Form K - Completed and signed indicating their commitment to the Contract Participation (in %) and rand value for sub-contracting to EMEs/QSEs. The implementation of the committed percentage is outlined in the CDC SMME Specification.
4.0	Demonstrated experience (past performance) in building related projects or similar nature and an equivalent of traceable client references, letters of appointment, and / or completion certificates	Demonstrated experience	30	This criterion covers the experience and knowledge that the Bidder has working on other construction projects that are comparable in terms of complexity, size, value, and construction durations. Bidders are to provide details of construction projects with the highest value that have been completed in the past 7 years. Bidders MUST either provide completion certificates, reference letters or occupational certificates from the previous employer or consultants or local authority that they have worked with. Details of two (2) contactable references for each project listed are to be included.

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No	Functional Criteria	Sub-Criteria		Requirements from Bidders
		Description	Max Points	
5.0	Quality Control System and Procedures which ensure compliance with the standards and specifications required for delivery of the project		10	The Bidder shall provide a copy of their quality management system or quality management plan that will be specific for this project. The Bidder shall demonstrate that the system is being implemented on existing projects.
6.0	Qualifications of personnel dedicated to the project	Contracts Manager	4	The Bidder shall provide information that covers the level of qualifications (specific to the Contracts Manager, Site Agent, Foreman). Please provide copies of qualifications. If no copies of qualifications are supplied, no score will be allocated. . If no copies of qualifications are supplied, no score will be allocated. Please note below: NQF 6: National Diploma and Advanced Certificate in the Built Environment NQF 7: Bachelor's Degree, Advanced Diplomas, Post Graduate Certificates and Bachelor of Technology in the Built Environment NQF 8: Honour's Degree, Postgraduate Diploma in the Built Environment NQF 9: Master's Degree in the Built Environment NQF 10: Doctor's Degree in the Built Environment
		Site Agent	3	
		Foreman	3	
7.0	Experience of the key staff personnel that will be available to manage the execution of the project	Contracts Manager	4	The Bidder shall provide information that covers the level of experience and the positions held of the key staff /personnel (specific to the Contracts Manager, Site agent, General Foreman). Form C shall be fully completed. Only post qualification experience will be considered and evaluated. CV's shall be set out so that years' experience in this specific role of contracts manager, site agent or general foremen (as applicable), can be determined. Failure to do so will result in no score being allocated.
		Site Agent	4	
		Foreman	2	
8.0	Locally based service providers from the targeted areas as follows		10	The bidders must submit proof of office establishment as evidence to demonstrate locality. The evidence required should be in the form of a Title Deed in the name of the Bidder, a Valid signed Lease Agreement in the name of the Bidder (the landlord's contact number and e-mail address visible), a Municipal account not older than 3 months in the name of the Bidder, or a Municipal Billing Clearance Certificate



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No	Functional Criteria	Sub-Criteria		Requirements from Bidders
		Description	Max Points	
				in the name of the Bidder. Failure to submit sufficient proof of occupancy will render the bid non-responsive. Please note: CSD, CIPC registration documents, Letterheads, Search engines, Statements, etc. will not be considered as proof of office space.
			100	

If the combined weighted score is less than 60 points then the tender is disqualified from further evaluation.

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Table B2: Contractor – Indicators for Scoring of Functionality Criteria

#	Functionality criteria	Evaluation Indicators				
		No response (score 0%)	Poor (25%)	Satisfactory (50%)	Good (75%)	Very Good (100%)
1.0	Adequacy of proposed work plan: Construction Work Program / scheduling	Failed to provide information	The activity schedule omits important task or the timing of the activities and the correlation among them are inconsistent with the methodology statement. There is lack of clarity	All key activities are included in the activity schedule but are not detailed. There are minor inconsistencies between timing, project deliverables and proposed methodology	The work program fits the methodology well; all important activities are indicated in the activity schedule and their timing and sequence is appropriate and consistent with project objectives. There is fair amount of detail including info on resources.	Besides meeting the "good" rating, decision points and the sequencing and timing of activities are very well defined indicating the bidder has optimized the use of resources including procurement, subcontractor, and long lead item ordering activities.
2.0	Methodology for executing the work, including key risk factors to be considered	Failed to provide information	The technical approach or methodology is poor and unlikely to satisfy project objectives or requirements. The bidder has misunderstood certain aspects of the scope of work and does not deal with the critical aspects of the project. No risk factors have been listed.	The approach is generic and not tailored to address the specific project objectives and requirements. The risk factors have been listed; however, they are generic and are not detailed	The approach is specifically tailored to address the specific project objectives i.e. Develop & Construct , scope and requirements and is sufficiently flexible to accommodate changes that may occur during execution e.g. phased implementation, SMME Subcontracting . The risk factors have been listed which are specific to the project and have sufficient	Besides meeting the "good" rating, important issues are approached in an innovative and efficient way, indicating that the bidder has outstanding knowledge of state-of-the-art approaches e.g. accelerated implementation . The approach paper details ways to improve the project outcomes and quality and covers SHEQ. Methodology incorporates

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#	Functionality criteria	Evaluation Indicators				
		No response (score 0%)	Poor (25%)	Satisfactory (50%)	Good (75%)	Very Good (100%)
					detail e.g. existing clinic operations; local labour; etc.	detailed programming / scheduling. Detailed information on risk and mitigation measures is provided.
3.0	Commitment to sub-contracting with QSEs/ EMEs. <i>Note 1: The overall Percentage on Form K will be utilized to allocate points.</i>	No Commitment to sub-contracting to QSEs / EMEs or Failed to complete form K	Commitment to sub-contracting less than 36% to QSEs/ EMEs (Percentage confirmed on Form K)	Commitment to sub-contracting 36% to the QSEs / EMEs (Percentage confirmed on Form K)	Commitment to sub-contracting more than 36.1% up to 38% QSEs/ EMEs(Percentage confirmed on Form K)	Commitment to sub-contracting more than 38.1% up to 40% QSEs / EMEs(Percentage confirmed on Form K)
4.0	Demonstrated experience (past performance) in building related projects or similar nature and an equivalent of traceable client references, letters of appointment, and / or completion certificates.	Failed to provide information	One or more building projects completed in the last 7 years with values less than R9M (incl. VAT).	Minimum one building project completed in the last 7 years valued at R9Million (incl. VAT) or higher	Minimum two building projects completed in last 7 years valued at R9Million (incl. VAT) or higher per project	Three or more building projects completed in the last 7 years, valued at R9Million (incl. VAT) or higher per project
5.0	Quality Control System and Procedures which ensure compliance with the standards and specifications required for delivery of the project	Failed to provide information	Documented Quality Management System is available, however is of poor quality	Documented system/Quality Management Plan is provided, and proof supplied that the system is implemented.	Documented system/Quality Management Plan is provided, and proof supplied that the system is implemented and audited. (Audit in this instance may include internal and	An Accredited Quality Management System is provided AND, proof that it is implemented and that it is ISO9001:2015 compliant, AND proof supplied that the system is implemented. Note: Only

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#	Functionality criteria	Evaluation Indicators				
		No response (score 0%)	Poor (25%)	Satisfactory (50%)	Good (75%)	Very Good (100%)
					external auditors)	ISO 9001:2015 certificates that include at least “building construction” in the scope of the certificate will be considered. Note: Proof of implementation may be forms/ reports used on a previous project.
6.0	Qualifications of the key staff / personnel who will be available to manage the execution of the project. Note that these scores will be applied to each required individual before application of the weighting factor					
	Contracts Manager	Failed to provide information	NQF 5 Higher certificate in Built Environment field	NQF 6 Diploma in the Relevant Built Environment field	NQF 7 (or higher) degree in the relevant Built Environment field)	NQF 8 (or higher) degree in the relevant Built Environment field
	Site Agent	Failed to provide information	NQF 4 certificate Built Environment field	NQF 5 Diploma in the Built Environment field	NQF 6 Diploma in the Built Environment field	NQF 7 (or higher) degree in the Built Environment field
	Foreman	Failed to provide information	NQF 4 certificate	NQF 5 Diploma in the relevant construction field	NQF 6 Diploma in the relevant construction field	NQF 7 (or higher) degree in the relevant construction field)
7.0	Experience of the key staff personnel that will be available to manage the execution of the project					
	Contracts Manager	Failed to provide information	Less than five years' as a contracts manager	Between 5–8 years' as a contracts manager	More than 8 years up to 14 years' as a contracts manager	More than 15 years' relevant experience as a contracts manager

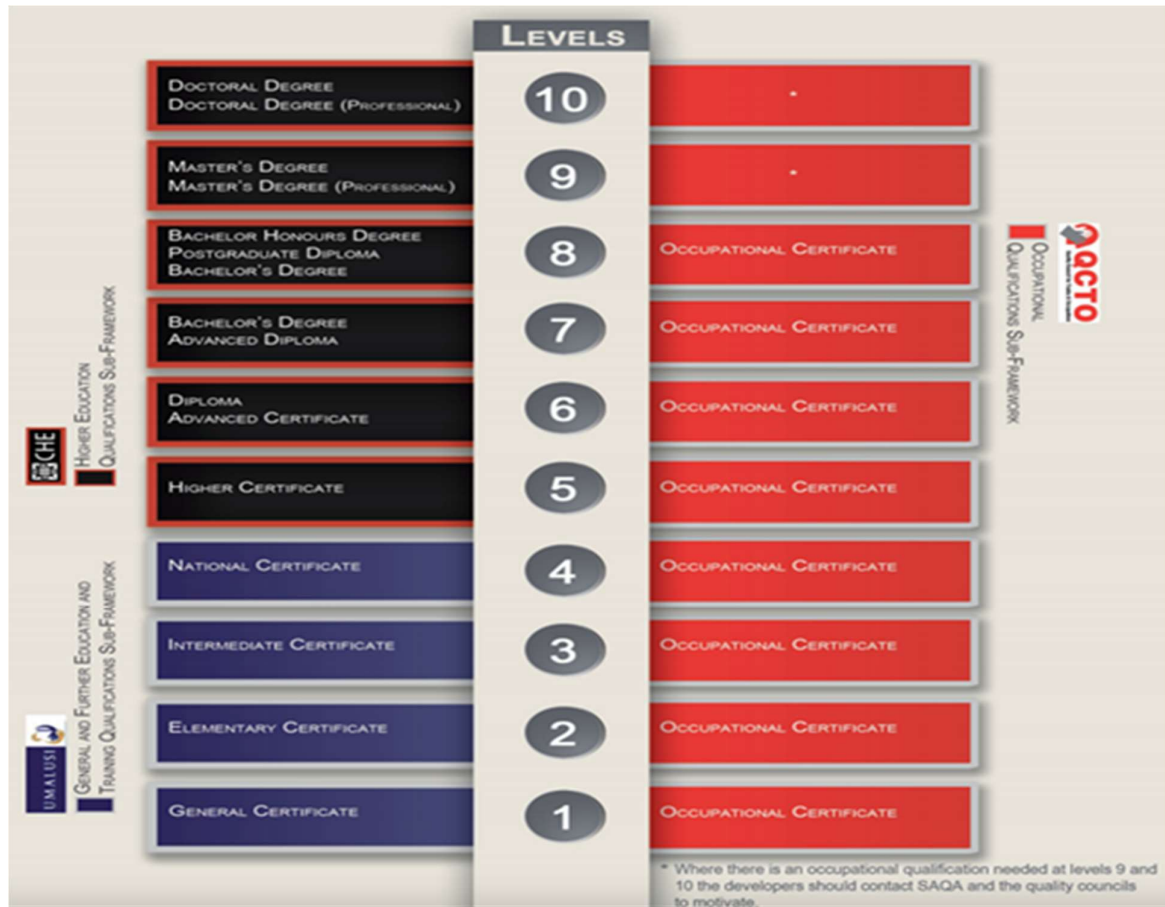


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#	Functionality criteria	Evaluation Indicators				
		No response (score 0%)	Poor (25%)	Satisfactory (50%)	Good (75%)	Very Good (100%)
	Site Agent	Failed to provide information	Less than five years' site agent experience	Between 5–8 years' site agent experience	More than 8 years up to 10 years' site agent experience	More than 10 years' site agent experience
	Foreman	Failed to provide information	Less than five years' experience as a Foreman	Between 5–8 years' relevant experience as a Foreman	More than 8 years up to 10 years' experience as a Foreman	More than 10 years' relevant experience as a Foreman
8.0	Locality	Failed to provide information	Outside of the Eastern Cape Province	The bidder is based within the Eastern Cape Province	The bidder is based within the OR Tambo District Municipality	The bidder is based within the King Sabata Dalindyebo Local Munic.
Notes: (a) Figure 1 below – SAQA/ NQF qualifications should be used as a guide in respect of qualifications for the respective staff in. Furthermore, Bidders should provide SAQA certificate if they have provided foreign qualifications to prove the equivalence to NQF level. (b) Key personnel will be expected to be available for all site and other meetings (co-ordination and technical meetings) as per the requirements of this project. (c) Should it become necessary to replace or supplement any of the key personnel listed in the course of this contract, they may only be replaced by individuals with similar or better qualifications and experience, who satisfy the minimum requirements and then only with the approval of the Employer						

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Figure 1: SAQA/ NQF TABLE



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TENDER DOCUMENT CHECKLIST

Bidders must complete this document checklist to ensure that all information is completed in the Tender Document.

ITEMS

CORRECT TENDER OFFER AMOUNT CARRIED FORWARD TO COVER PAGE
AND FORM OF OFFER ON SECTION C1.1

ALL PAGES REQUIRING SIGNATURES SIGNED BY THE BIDDER

SCHEDULE OF QUANTITIES

1 COMPLETED IN **BLACK INK** ONLY

2 CORRECTIONS CROSSED OUT AND INITIALLED

**CHECKED
BY BIDDER**

ALL RETURNABLE DOCUMENTS AND SCHEDULES SUBMITTED

ITEMS

T2.1.1 FORM A: AUTHORITY FOR SIGNATORY

T2.1.2 FORM B: SCHEDULE OF WORK CARRIED OUT BY THE BIDDER

T2.1.3 FORM C: PROPOSED KEY PERSONNEL

T2.1.4 FORM D: PLANT AND EQUIPMENT RESOURCES

T2.1.5 FORM E: SCHEDULE OF PROPOSED SUB-CONTRACTORS

T2.1.6 FORM F: FINANCIAL REFERENCES

T2.1.7 FORM G: ESTIMATED MONTHLY EXPENDITURE

T2.1.8 FORM H: DETAILS OF AMENDMENTS AND QUALIFICATIONS

T2.1.9 FORM I: PROTECTION OF PERSONAL INFORMATION: CONSENT

T2.1.10 FORM J: OCCUPATIONAL HEALTH AND SAFETY ACT SPECIFICATIONS

T2.1.11 FORM K: CONTRACT PARTICIPATION GOAL: EME / QSE TARGET

T2.1.12 FORM L: RECORD OF ADDENDA TO TENDER DOCUMENTS

T2.1.13 FORM M: FULFILMENT OF THE CONSTRUCTION REGULATIONS, 2014

T2.1.14 FORM N: JOINT VENTURE DISCLOSURE FORM

T2.1.15 FORM O: BBBEE PREFERENCING

T2.1.16 FORM P: PRELIMINARY PROGRAM AND METHOD STATEMENT

T2.1.17 FORM Q: QUALITY CONTROL MANAGEMENT PLAN

T2.1.18 FORM R: PSP PERFORMANCE EVALUATION FORM

**CHECKED
BY BIDDER**



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SBD1: INVITATION TO BID

SBD4: BIDDER'S DISCLOSURE FORM

SBD 6.1: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL
PROCUREMENT REGULATIONS 2022

SBD 7.1 CONTRACT FORM - PURCHASE OF GOODS/WORKS

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**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA**

BOOK 1

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA**

THE TENDER

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA

SBD 1

PART A
INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	CDC/444/26		CLOSING DATE:	20 OCTOBER 2026	CLOSING TIME: 12:00
DESCRIPTION	DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
COEGA DEVELOPMENT CORPORATION (PTY) LTD CDC'S MTHATHA OFFICE, GROUND FLOOR, 76 BLAKEWAY, MTHATHA, 5100,					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	SCMU HEAD: ZINE MTANDA		CONTACT PERSON	N/A	
TELEPHONE NUMBER	Not allowed to phone		TELEPHONE NUMBER	N/A	
FACSIMILE NUMBER	N/A		FACSIMILE NUMBER	N/A	
E-MAIL ADDRESS	dohtenders@coega.co.za		E-MAIL ADDRESS	N/A	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] ☐ Yes ☐ No	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN-BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			☐ YES	☐ NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			☐ YES	☐ NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			☐ YES	☐ NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			☐ YES	☐ NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			☐ YES	☐ NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

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PART B
TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED—(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).

2. TAX COMPLIANCE REQUIREMENTS

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS PIN IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

CAPACITY UNDER WHICH THIS BID IS SIGNED:
(Proof of authority must be submitted e.g. company resolution)

DATE:

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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T1.1: TENDER NOTICE AND INVITATION TO TENDER



CONTRACT NO: CDC/444/26

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY AT KING SABATA
DALINDYEBU MUNICIPALITY IN MTHATHA

The Coega Development Corporation (CDC) is headquartered in the City of Gqeberha, Nelson Mandela Bay Municipality, South Africa, with a strategic operational footprint in South Africa and beyond the borders on the African continent. The CDC's vision is to be the leading catalyst for the championing of socio-economic development. This it seeks to achieve through the development and operation of the 9 003-hectare Coega Special Economic Zone (SEZ), a transshipment hub and a leading investment destination in Africa, providing highly skilled competence and capacity for the execution of complex infrastructure and related projects throughout South Africa and selected markets on the African continent, and advisory on the development of industrialisation and logistics zones. The CDC's advanced capabilities are successful enablers in sustainable economic zone development and management, real assets management, infrastructure planning and development, technology integration while realising related socio-economic impact areas such as skills and SMME development. The CDC's high-performance ethos is grounded in its commitment to sustainable development, the protection of its people and the planet, and the delivery of infrastructure solutions that support a just social and economic transition to a low-carbon, resource efficient, and climate resilient future. The foundational culture of the CDC's approach, backed by its core values, is innovation and continuous improvement.

The CDC is assisting The Eastern Cape Department of Health (ECDOH) with implementation of infrastructure projects. These projects are aimed at enhancing the health infrastructure leading to developing and transferring skills and reducing poverty.

INVITATION TO TENDER

The Coega Development Corporation (CDC) is inviting capable and competent Contractors with an active CIDB Contractor Grading designation of **7GB or higher** and proven experience and track-record in the planning, design, construction, equipping and commissioning of a medical facility. Emerging contractors with a CIDB Contractor grading designation of 6GB PE are not eligible to make submissions and will not be considered.

The project involves the creation of a turnkey solution for a **Ntshеле Clinic, in Ntshеле Village** at King Sabata Dalindyebo Municipality, Mthatha (**Coordinates: Latitude 31°40'18.4"S and Longitude 28°43'23.9"E**).

The appointed service provider will be responsible for the full scope of work including planning, design, construction, equipping and commissioning of a medical facility. The objective is to deliver fully operational and compliant primary care clinic upon completion. The expected project duration is 24 months. This comprises of 4 months for remaining design processes, and 20 months for the construction, handover and close out activities.

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SCOPE OF WORK

The replacement facility will be constructed as a single phase project. The delivery mechanism having been agreed in Procurement Gate 2, amongst other things, follows a Develop & Construct methodology. The design phase of works is to complete the gateway approvals process as mandated by Framework for Infrastructure Delivery and Procurement Management (FIDPM). FIDPM Stage 2 has already been approved by the funder, Eastern Cape Department of Health (ECDoH), with the remaining stages to be completed by the successful bidder.

The detailed scope of works in accordance with FIDPM is as follows:

- (a) Review of Stage 2: Concept and Viability (Preliminary Design)
- (b) Stage 3: Design Development (Detailed Design)
- (c) Stage 4: Procurement and Documentation
- (d) Stage 5: Construction Works, comprising of:
 - (i) Bulk earthworks (cut and fill) to construct roads, parking areas and platforms.
 - (ii) Installation of anti-climb security fencing along the facility boundary;
 - (iii) Bulk Services (water, sanitation, waste, electrical & ICT)
 - (iv) Construction of a new 8-hour primary healthcare facility with accommodation for:
 - (1) Clinical Services, e.g., consulting rooms, counselling, vitals, sputum booths, dispensary;
 - (2) Administration and Staff Areas e.g. main and sub-waiting areas, reception, records, ablutions, and staff rest rooms;
 - (3) Public Areas e.g. Community meeting rooms, waiting areas and walkways
 - (v) Construction of General Support services facilities e.g. Utilities Building, Waste Management, Guard House and on-site Laundry Room;
 - (vi) Site security and facility controlled access;
 - (vii) Staff Accommodation/Nurses Homes;
 - (viii) Landscaping;
 - (ix) Health Technology;
- (e) Stage 6: Hand Over
- (f) Stage 7: Commissioning.

Further to the above, the non-infrastructure components socio-economic deliverables that also form part of the project scope and shall be achieved, namely:

- (a) Experiential learning opportunities for built environment graduates in the form of internships; Employment opportunities for the members of the local community; and
- (b) Participation opportunities for local SMME subcontractors in the form of construction work packages.

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TENDER CONDITIONS

Failure to adhere to the conditions stated hereinunder or to provide evidence where specified will render the submission non-responsive and the submission may be declared as null and void and will not be considered further.

- (a) Bidders must be registered with the Construction Industry Development Board (CIDB) and must have an active CIDB Contractor grade of **7GB or higher**. Potential bidders with a grading of **6GB PE** will not be eligible for this tender.
- (b) Bidders must submit proof of active registration with the Construction Industry Development Board (CIDB) under the **7GB** contractor grading designation or higher or proof demonstrating that they are eligible and capable of being registered at **7GB**. Bidders must ensure that their CIDB registration is valid and active, or that they are capable of being registered, for the required grading and class of works from the bid closing date up to and including the date of award of the contract. CDC reserves the right to verify the bidder's CIDB registration status on the CIDB website at any stage during the evaluation and adjudication process. Where a bidder is not registered with the CIDB at the bid closing date but claims to be capable of being registered, the bidder must submit, as part of its bid, proof of application for CIDB registration. Failure to maintain an active and valid CIDB registration, or to successfully obtain such registration prior to award where the bidder was only capable of being registered at closing, may result in disqualification or rejection of the bid.
- (c) Entities who intend submitting a bid as a Joint Venture must ensure that their combined grading meets the required CIDB Grading.
- (d) This project will be implemented under the CIDB Best Practise Project Assessment Scheme, known as the B.U.I.L.D Programme, and the successful Bidder will be required to adhere to the requirements of:
 - (i) the CIDB Standard for Indirect Targeting for Enterprise Development Through Construction Works Contracts published in Gazette Notice No. 36190 of 25 February 2013; and
 - (ii) the CIDB Standard for Developing Skills Through Infrastructure Contracts (March 2023).
- (e) Respondents must comply with the CDC's Procurement Policy & Procedures.
- (f) The following legislation shall apply:
 - (i) Public Finance Management Act (PFMA);
 - (ii) Preferential Procurement Policy Framework Act (5 of 2000) (PPPFA);
 - (iii) The Preferential Procurement Regulations 2022;
 - (iv) The Construction Industry Development Board Act 38 of 2000;
 - (v) National Treasury Regulations.
 - (vi) Infrastructure Development Act, 2014;
 - (vii) National Building Regulations and Building Standards Act (103 of 1977);
 - (viii) The National Qualifications Framework Act (Act No. 67 of 2008)
 - (ix) The National Qualifications Framework Amendment Act (Act No. 12 of 2019)
 - (x) The Skills Development Act (Act No. 97 of 1998)
 - (xi) Occupational Health and Safety Act and Regulations, Act (85 of 1993);
 - (xii) Compensation for Occupational injuries and disease Act (130 of 1993);
 - (xiii) NEMA National Environmental Management Act (107 of 1998);

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- (xiv) Disaster Management Act 57 of 2002
 - (xv) The National Archives and Records Service of South Africa Act (Act No. 43 of 1996)
 - (xvi) National Water - NWA Act, (36 of 1998)
 - (xvii) Protection of Personal Information Act (Act No. 4 of 2013)
 - (xviii) BBBEE Act Number 53 of 2003 (as amended by Act number 46 of 2013); and
 - (xix) Any other applicable legislation.
- (g) The 90/10 preference point system will apply. Points allocation will be as follows:
- | | |
|--|-------|
| (i) Price – | 90.00 |
| (ii) Specific goal – (B-BBEE Status level of Contribution) | 10.00 |
- (h) Bidders will be evaluated on functionality and are expected to meet the minimum of 60 points threshold to be evaluated further. The evaluation criteria for assessing functionality and weight of each criterion are provided in the RFP document;
- (i) Bidders and all its Consortium/Joint Venture (JV) members, if any, must confirm their company registration with Companies and Intellectual Property Commission (CIPC) (formerly CIPRO) as CDC will not award any bid to any business that appears on the CIPC List of de-registered businesses.
- (j) As per the Amended Construction Codes, all Generic entities and QSEs with less than 51% Black ownership are required to submit a valid SANAS-accredited B-BBEE Verification Certificate reflecting all applicable B-BBEE elements. QSEs with at least 51% Black ownership and EMEs with an annual turnover above R3 million must also submit a B-BBEE Verification Certificate issued by a SANAS-accredited verification agency, as they are required to comply with the 40% sub-minimum for the Skills Development element to avoid a discounting of their B-BBEE level. EMEs with an annual turnover of less than R3 million are exempt from the sub-minimum requirement and may submit either a sworn affidavit or a certificate issued by CIPC confirming their ownership and annual turnover. In the case of a Joint Venture (JV) or Consortium, a consolidated B-BBEE certificate must be submitted. The JV certificate must be prepared and issued for this specific project. It must also be accompanied by the individual B-BBEE certificates or affidavits of each participating entity to confirm the type and status of each enterprise.”
- (k) Failure on the part of a Bidder to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed. The documentation required to claim points for Specific Goals will be a BBBEE Level of Contributor certificate issued by an accredited SANAS agency.
- (l) An Entity that is part of a JV / Consortium is not permitted to form part of more than one bid submission in terms of the Competition Act 89 of 1998;
- (m) Proof of registration with Treasury’s Centralized Supplier Database (CSD) or provide a Treasury CSD registration number e.g. MAAA...
- (n) CDC will only award the tender to a bidder who is tax compliant. The tax compliance status of the bidders will be verified through CSD and SARS website. The prospective Bidders must ensure that they are Tax Compliant throughout the validity period of the bid.

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- (o) The CDC reserves the right, in its sole discretion, to reject any bid where it appears to the employer that the bidder does not comply with any of the requirements set in these tender conditions.
- (p) Bidders must be VAT registered and bids must be submitted VAT inclusive. Non-VAT vendors who submit bids for contracts that would, if successful, take their annual turnover above the threshold of R 1 million are obliged to include VAT in the prices quoted and must therefore immediately upon award of the contract register with the South African Revenue Services (SARS) as VAT vendors. The award of contract would be conditional pending the successful Bidder submitting proof of registration as a VAT vendor with SARS;
- (q) The CDC will not award more than two (2) active projects to one Bidder, unless one project has reached 80% completion stage and beyond. Capacity assessment may be conducted in an event that the recommended Bidder is the only responsive service provider and has already been awarded two contracts;
- (r) The performance of the Bidders on projects they have been awarded (past and current projects) shall be reviewed and evaluated on an on-going basis by the CDC Project Manager. Poor performance on awarded projects may result in a Bidder not being awarded future projects by the CDC as per the CDC Service Provider Performance Management;
- (s) Bidders must complete and sign the POPI Act consent form. In case of Joint Venture/Consortium, a separate form in respect of each party to the JV must be completed;
- (t) The Bidders must nominate a delegate with an authority to sign:
 - (i) The Tender Submissions;
 - (ii) Any correspondence with the CDC during the bidding process;
 - (iii) The Agreement to be entered into with the Successful Bidder; and
 - (iv) Any correspondence during the Contract Execution Phase.
- (u) Public servants are prohibited from doing any form of business with organs of the state, whether in their own capacity as individuals or through companies in which they are directors. Verification will be done, and Bidders will be disqualified should they be found to be in contravention with the regulations.
- (v) The Successful Bidder will be required to comply with the Occupational Health and Safety Act and Regulations, Act (85 of 1993) and Compensation for Occupational injuries and disease Act, Act (130 of 1993) and all relevant and applicable legislations. Upon appointment of the successful tenderer, it will be required to develop Occupational Health, Safety and Environmental Management Systems to comply with the SANS Norms and Standards. The Bidder shall ensure as far as is reasonably practicable, that article/substance is safe and without risk to health when properly used and that it complies with prescribed requirements. Take such steps as may be necessary to ensure that such article/substance's information is available regarding the use at work, risks to health and safety associated with and procedure to be followed is available in the case of an incident occurrence. CDC Sustainability Business Unit will manage and monitor compliance and implementation of Occupation Health and Safety, Environmental and Quality requirements for the duration of the contract.
- (w) Upon award the successful Bidder will be required to appoint a Full-Time Construction Health and Safety Officer or Construction Health and Safety Manager (CHSO/CHSM) actively registered with SACPCMP. The CHSO/CHSM must have a proven record of 5 years or more. The CHSO/CHSM will take full responsibility of

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managing and supervising safety, health and environment throughout the construction duration. No candidate registration will be accepted

- (x) Upon award the successful Bidder (Principal Contractor) will be required to appoint Construction Health and Safety Agent (CHSA) actively registered with South African Council for the Project Construction Management Professions (SACPCMP) to perform safety, health and environmental professional consulting services. The CHSA will take full management and supervision of safety, health and environment during project planning, construction and closeout stages and must have a proven record of 10 years of experience or more. No candidate registration will be accepted.
- (y) In case of a JV award, the entity will be expected to provide valid proof of registration with Compensation Fund or approved Licensed Insurer specified as the JV entity for a specific duration
- (z) In case of JVs/Consortia, the Bidder must include an Intent to Enter into a JV/Consortium Agreement. The actual copy of a complete and fully signed JV/Consortium Agreement would be required from the successful Bidder upon completion of the procurement process;
- (aa) It is incumbent upon and the responsibility of the Bidders to submit their full and correct contact details when they download the TENDER Document to enable any communication that the CDC might need to issue to all the Prospective Bidders during the bidding process to be realized. The CDC will not be accountable for any such omission or failure by the Prospective Bidders.
- (bb) Any misrepresentation of information will lead to immediate disqualification of the Bidder and its Submission will be deemed as being null and void. It is imperative that the duly authorized person conducts quality control on all the documentation to be submitted to the CDC as part of this TENDER and signs the submission as a correct and sound documentation that the CDC could put its reliance on.
- (cc) Attendance of the Briefing Meeting by at least one member of the Company or JV/Consortium is compulsory. The attendance register will be used to confirm attendance. Submissions from Companies or JV/Consortium which did not attend the Compulsory Briefing Meeting will be eliminated in the Responsiveness Assessment.
- (dd) The bids will be evaluated as follows:
 - (i) Stage 1: Timeous Submission
 - (ii) Stage 2: Responsiveness Assessment,
 - (iii) Stage 3: Functionality Assessment,
 - (iv) Stage 4: Quantitative Assessment, and
 - (v) Stage 5: Qualitative Assessment.
- (ee) The tender validity period shall be sixteen (16) weeks from the tender closing date.
- (ff) Tenders must only be submitted on the tender document that is issued.
- (gg) The CDC reserves the right, in its sole discretion, to reject any bid where it appears to the employer that the bidder does not comply with any of the requirements set out above.

The documentation for this contract can be downloaded from the CDC's website: www.coega.com or the National Treasury e-tender portal from **Friday, 11 September 2026 at 10h00**. The CDC will not take responsibility for any errors

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that may occur in the downloading of documents. Bidders are therefore required to ensure that they download the full pack with no missing pages

In case a bidder prefers to purchase a physical bid document, the bidder must place an order via dohtenders@coega.co.za. The bid documents can be collected 2 days after placing an order during working hours from CDC's **Mthatha Office, Ground Floor, 76 Blakeway**, Mthatha, 5100, from Tuesday, 15 September 2026 at 10h00, AT THE RECEPTION. No documents will be available or issued at the Briefing Session and should therefore be collected timeously beforehand.

Bidders who prefer to purchase a physical bid document, a non-refundable fee of **R700.00 per document** must be deposited or payable by means of electronic transfers to Account Name: CDC ECDOH; Standard Bank, Account No: 000898813, Branch No: 000205, Branch Name: Johannesburg and proof of payment is required upon collection of the bid documents. NO CASH WILL BE ACCEPTED.

All queries relating to this TENDER may be addressed to Ms. Zine Mtanda, Unit Head: Supply Chain Management strictly via e-mail: dohtenders@coega.co.za between the period of **11 September 2026 to 02 October 2026**. No new queries received after the **02 October 2026** will be considered.

A **Compulsory Site Briefing Meeting** will be held at Ntshale Clinic, in Ntshale Village at King Sabata Dalindyebo Municipality, Mthatha on **Tuesday, 22 September 2026, at 12h00** where representatives from the Coega Development Corporation will meet prospective Bidders. The GPS coordinates to the site are as follows: **Latitude 31°40'18.4"S and Longitude 28°43'23.9"E Address: Ntshale Clinic, Ntshale Village**. The briefing minutes will be shared with the bidders who have attended the briefing meeting and will also be published on the CDC website.

The closing date and time for the receipt of complete bid documents is **12h00, Tuesday, 20 October 2026**. One original completed bid document shall be placed in a sealed envelope clearly marked: **"CDC/444/26: DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY IN KING SABATA DALINDYEBO MUNICIPALITY IN MTHATHA"**. Documents are to be placed in the tender box at the CDC's **Mthatha Office, Ground Floor, 76 Blakeway, Mthatha, 5100**, the lodging register must be completed by the person dropping the tender document. Bidders using courier services are to ensure that the person dropping the tender document registers the correct bidding entity name. The bids will not be opened in public, and the opening register will be posted on the CDC website within 48 hours of the tender closure. **No late submissions will be considered.**

Failure to provide any mandatory information required in this Bid will result in the submissions being deemed null and void and shall be considered non-responsive.

Bidders must ensure that all bid documents are submitted in a secure, sealed, tamper-proof envelope or container. The submission must be secure against any form of tampering, alteration, removal, or insertion of documents. Any bid

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submission received in packaging that appears to be torn, unsealed, loose papers or otherwise compromising the integrity of the contents may be deemed non-responsive and disqualified at the discretion of the CDC.

Telegraphic, telexed, tipped, facsimiled or e-mail submissions will not be accepted.

No telephonic or any other form of communication relating to this Bid with any other CDC member of staff, CDC Agent, Client, or any other role players will be permitted. All enquiries regarding this tender must be in writing only, and must be directed to:

Ms Zine Mtanda, Unit Head: Supply Chain Management; e-mail: dohtenders@coega.co.za

There shall be no disclosure, other than to the Client's legal and technical advisors of the tender amounts, method of work, terms, conditions, etc., to any other Bidder nor to any parties who have not submitted tender documents. The CDC reserves the right not to accept the lowest proposal in part or in whole or any proposal.

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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The Conditions of Tender are the Standard Conditions of Tender as contained in **Annexure C** of the Construction Industry Development Board's (CIDB) Standard for Uniformity in Engineering and Construction Works Contracts August 2019.

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender:

Item	Data / Wording
C.1.1.1 The Employer is:	The Employer is: Coega Development Corporation (Pty) Ltd Coega Business Centre Corner Alcyon and Zibuko Street Zone 1, Coega SEZ Gqeberha 6001
C.1.1.2 Conflict of Interest	Bidders shall declare any perceived, known and potential conflict of interest under Returnable Schedule SBD 4: Bidder's Disclosure Form.
Tender Documents	<u>BOOK 1 OF 2</u> <u>INDEX and introductory pages</u> <u>Documents that Relate to the Tender</u> PART T1: TENDERING PROCEDURES T1.1 Tender Notice and Invitation to Tender T1.2 Tender Data PART T2: RETURNABLE DOCUMENTS T2.1 Returnable Schedules <u>Documents that Relate to the Contract</u> PART C1: AGREEMENT AND CONTRACT DATA C1.1 Form of Offer and Acceptance C1.2 Contract Data C1.3 Pro-Forma Forms to be Completed C1.3.1 Construction Guarantee C1.3.2 Construction Guarantee Pro-Forma C1.3.3 Agreement in Terms of OHS Act, 1993, (Act No 85 of 1993) C1.3.4 Certificate of Authority for Signatory in Terms of Occupational Health and Safety Act, 1993 (Act No 85 of 1993) PART C2: PRICING DATA C2.1 Pricing Instructions

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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Item	Data / Wording
	C2.2 Pricing Schedule SCHEDULE OF QUANTITIES <u>BOOK 2 OF 2</u> PART C3: SCOPE OF WORKS C3.1 Description of the Works PART C4: SITE INFORMATION C4.1 Site Location C4.2 Clinical Brief C4.3 Geotechnical Information C4.4 Geohydrological Information C4.5 Topographical Survey C4.6 EIA Letter PART C5: ANNEXURES C5.1 Annexure A: Tender Drawings C5.2 Annexure B: Project Occupational Health and Safety Specifications C5.3 Annexure C: Baseline Risk Assessment C5.4 Annexure D: Project Environmental Specifications C5.5 Annexure E: Socio-Economic Deliverables – Construction Labour Management C5.6 Annexure G: SMME Specification C5.7 Annexure F: PSP Scope of Works
Employer's representative	Ms Zine Mtanda, Email : dohtenders@coega.co.za Coega Business Centre Corner Alcyon and Zibuko Street Zone 1, Coega SEZ Gqeberha 6001
C.2.1 Eligibility	The following Bidders who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated: a) Only those respondents who are registered with the Construction Industry Development Board or are capable of being so registered within twenty-one (21) working days from the closing date for submission of tenders, in a contractor grading designation of 7GB, are eligible to have their submissions evaluated. A simple way of establishing whether or not a contractor has a reasonable chance of being registered in the appropriate contractor grading designation is for the bidder to submit a copy of his/her application for CIDB registration with his or her tender submission. b) Contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined according to the sum tendered, or a value determined according to Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations, for a CIDB Contractor grading of 7GB. 6GB PE will not be eligible to bid for tender.

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA

Item	Data / Wording
	c) Should the winning bidder be registered with the CIDB grade of 7GB, The contractor is exempt from achieving any Contract Participation Goals (CPG) related to the engagement of targeted enterprises under this contract. The requirements established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts (published in GN 36190 of 25 February 2013) shall not apply, and no CPG submission is required. All grades above 7GB will have to comply. d) Bidders must be able to demonstrate suitable prior experience in the installation of related bulk infrastructure of at least a similar scale and value to those of the tender. Bidders shall complete Returnable Document Form B: Schedule of Work Carried out by the Tender in this regard. Subject to sub regulation (1), joint ventures are eligible to submit tender offers or expressions of interest if: a) Every member of the joint venture is registered with the CIDB; b) The lead partner has a contractor grading designation of not lower than one level below the required grading designation in the class of construction works under consideration and possesses the required recognition status; and c) The combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a 7GB class of construction work; or the category of registration of the joint venture, determined in accordance with sub regulation (6) is equal to or higher than the category of registration specified in accordance with sub regulation (3).
C.2.7 Clarification Meeting	The arrangements and venue for the compulsory Tender Briefing meeting are: Venue: NTSHELE CLINIC, NTSHELE VILLAGE (Latitude 31°40'18.4"S and Longitude 28°43'23.9"E) Time: 13h00 Date: 18 September 2026 Name: Zine Mtanda dohtenders@coega.co.za
C.2.12 Alternative Tender Offers	No alternative offers will be considered.
C.2.13 Returnable Documents	Bidders to note that the returnable document is Volume 1 (Book 1 of 2)
C.2.13 Number of copies of tender offers to be submitted to the Employer	The returnable part of the tender offer communicated on paper shall be submitted as an original only .
C.2.13.5 Sealing and Delivery of tender offers	The Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are: Location of tender box: CDC's Mthatha Office, Ground Floor, 76 Blakeway, Mthatha, 5100 Identification details: CDC/444/26: DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY IN KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA"

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA

Item	Data / Wording																
C.2.15 Closing time of tender offers	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.																
C.2.16 Tender offer validity	The tender offer validity period is sixteen (16) weeks from the tender closing date.																
C.2.19 Inspections, tests and analysis	Bidders will be not able to visit the site other than as per planned Briefing Meeting																
C.2.23 Certificates	All certificates as listed under Part T2: Returnable Documents.																
C.2.8 & C3.1.1 Request for clarification	Working days shall be as per a normal working week, Monday to Friday between the hours of 08h00 and 17h00 and shall exclude all gazetted public holidays.																
C.3.2 Issue Addenda	Change “three days” to “seven working days”.																
C.3.4 Opening of tender submissions	Tender Offers will be opened in public. No more than two representatives of the tendering entity will be allowed to attend the tender opening session.																
C.3.5 Two-Envelope system	A two-envelope system will not be followed.																
C.3.11 Evaluation of Tender Offers	The procedure for the evaluation of responsive tenders is, Price, and Preference). The 90/10 preference point system will apply. Points allocation will be as follows: Formula of Scoring for Price <table border="1"> <thead> <tr> <th>SCORING CRITERIA</th><th>WEIGHTING FOR 90:10</th></tr> </thead> <tbody> <tr> <td>Price</td><td>90</td></tr> <tr> <td>Specific Goals (B-BBEE status level of contributor)</td><td>10</td></tr> <tr> <td>Total points</td><td>100</td></tr> </tbody> </table> $P_s = 90 \left[1 - \frac{P_t - P_{min}}{P_{min}} \right]$ Where: P_s = Points scored for price of tender under consideration; P_t = Price of tender under consideration; and P_{min} = Price of lowest acceptable tender. The allocation of tender adjudication points for Contracts shall be as follows: <table border="1"> <thead> <tr> <th>Area of Adjudication</th><th>Maximum Points</th></tr> </thead> <tbody> <tr> <td>Tendered Price (S_P)</td><td>90</td></tr> <tr> <td>Specific Goals (B-BBEE status level of contributor) (S_e)</td><td>10</td></tr> <tr> <td>Total Points (s)</td><td>100</td></tr> </tbody> </table>	SCORING CRITERIA	WEIGHTING FOR 90:10	Price	90	Specific Goals (B-BBEE status level of contributor)	10	Total points	100	Area of Adjudication	Maximum Points	Tendered Price (S _P)	90	Specific Goals (B-BBEE status level of contributor) (S _e)	10	Total Points (s)	100
SCORING CRITERIA	WEIGHTING FOR 90:10																
Price	90																
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**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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Item	Data / Wording																				
	In addition to price evaluation, CDC will evaluate contractors, service providers, and professionals based on their B-BBEE status achieved according to the DTI. As per amended construction codes, companies with less than 51% black shareholding (QSEs & Generics) are to submit a valid SANAS Accredited B-BBEE Verification Certificate (with the full applicable B-BBEE elements). QSE with at least 51% or 100% black shareholding and EMEs with an annual turnover of above R3 Million are required to submit a B-BBEE verification certificate from a SANAS accredited verification agency as they have to comply with the 40% sub-minimum requirement on the QSE Skills Scorecard to avoid being discounted a level. EMEs with a turnover of less than R3 Million are exempt from complying with the subminimum requirement and may submit an affidavit or a certificate issued by CIPC, confirming their ownership and annual turnover. In the case of a JV, a consolidated B-BBEE certificate must be submitted, as well as individual B-BBEE Certificates/affidavits of their entities to confirm the type of enterprise. Note: ❖ A Trust, Consortium, or Joint venture will qualify for points for its B-BBEE Status Level as a legal entity provided that the entity submits its B-BBEE Status certificate. ❖ A Trust, Consortium, or Joint venture will qualify for points for its B-BBEE Status Level as an unincorporated entity provided that the entity submitted its consolidated B-BBEE Scorecard as if it were a group structure and that such a consolidated B-BBEE Scorecard is prepared for every separate tender. Specific goals points shall be awarded to a bidder for attaining the B-BBEE status level of contributor according to the table below. <table border="1"> <thead> <tr> <th>CONTRIBUTION LEVEL</th><th>WEIGHTING FOR 90:10</th></tr> </thead> <tbody> <tr> <td>Level One</td><td>10</td></tr> <tr> <td>Level Two</td><td>9</td></tr> <tr> <td>Level Three</td><td>6</td></tr> <tr> <td>Level Four</td><td>5</td></tr> <tr> <td>Level Five</td><td>4</td></tr> <tr> <td>Level Six</td><td>3</td></tr> <tr> <td>Level Seven</td><td>2</td></tr> <tr> <td>Level Eight</td><td>1</td></tr> <tr> <td>Non-Compliant Contributor</td><td>0</td></tr> </tbody> </table> The points scored by a Bidder in respect of Price (S_P) will be added to the points scored for the Specific Goals (S_e). Only the Bidder with the highest number of points may be selected, except in those instances identified in section 2(1)(f) of the Public Procurement Act, 2024.	CONTRIBUTION LEVEL	WEIGHTING FOR 90:10	Level One	10	Level Two	9	Level Three	6	Level Four	5	Level Five	4	Level Six	3	Level Seven	2	Level Eight	1	Non-Compliant Contributor	0
CONTRIBUTION LEVEL	WEIGHTING FOR 90:10																				
Level One	10																				
Level Two	9																				
Level Three	6																				
Level Four	5																				
Level Five	4																				
Level Six	3																				
Level Seven	2																				
Level Eight	1																				
Non-Compliant Contributor	0																				
C.3.13 Acceptance of Tender Offers	The tender offer will only be accepted if the Bidder: is registered with the Construction Industry Development Board in an appropriate contractor grading designation, refer to F.2.1;																				

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Item	Data / Wording
	(a) or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; (b) has not abused the Employer's Supply Chain Management System; (c) has met all the requirements in terms of the Mandatory Requirements; (d) has not failed to perform on any previous contract. CDC to also verify with Provincial Treasury prior to the award of contracts regarding impending restrictions in addition to verifying restrictions in the Database of Restricted Suppliers/ Central Supplier Database. In the event that there is a recommended bidder who is in the process of being restricted, the CDC will consult Provincial Treasury on the manner in which the award of such bid must be finalised.

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EXPERIENCE OF KEY PERSONNEL

The experience of assigned staff members in relation to the Scope of Work will be evaluated in accordance with the mandatory and functionality criteria.

Should any personnel change from the tender submission, their CV must be submitted and approved by the Employer's Representative, and it shall be a like-for-like candidate or better.

Note to Bidder:

A CV shall be attached to this schedule for the

- (a) **Architect**
- (b) **Quantity Surveyor**
- (c) **Electrical Engineer**
- (d) **Mechanical Engineer**
- (e) **Civil Engineer**
- (f) **Structural Engineer**
- (g) **Contracts Manager**
- (h) **Site Agent**
- (i) **Foreman**

Should more than one CV be included for Key Personnel positions, the most responsive CV will be evaluated.

The Bidder shall ensure that each CV is signed by the person nominated for the key staff position and that all the information provided is true.

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EXPERIENCE AND QUALIFICATIONS OF

Personal Particulars			
Full Name and Surname:			
ID/ Passport No.			
Age			
Tendered Post:			
Name of Professional Institution/s Registered With:			
Professional Registration Number:			
Qualifications (Copies of all relevant qualifications and registrations must be attached to this form)			
Education / Qualifications:		Year Obtained:	Institution:
Overview of Experience			
Date	Organisation		Position Held
Outline of Relevant Experience			
Start (MM/YYYY)	End (MM/YYYY)	Client, Contract Title & Detailed Description of Contract	Client and Employers Representative Reference & Contact

NOTE:

Client Implies: Coega Development Corporation.

Make additional copies of this form if required for additional projects.



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Declaration by nominee for key staff position above:

I, the undersigned, declare that all the information provided above and in the forms that follow correctly describes me and my experience.

I, the undersigned, do hereby agree to present myself for an interview with the Client or a representative of the Client should further clarity be required on the information provided herein.

NAME.....

SIGNATURE DATE:
(of the person named on this form)

Note to Bidder:

The Bidder shall ensure that this form is signed by the person nominated for the above key staff position and that all the information provided is true. Any inconsistency in the information provided will lead to the conclusion that the person nominated is not suitably qualified for the position and NO points will be awarded. Should this key staff member not be available for deployment to this contract upon award, only approved candidates with similar or better credentials will be considered by the employer.

SIGNATURE DATE:



**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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PART T2: RETURNABLE DOCUMENTS

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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T2.1.1 FORM A: AUTHORITY FOR SIGNATORY

Indicate the status of the bidder by ticking the appropriate box hereunder. The bidder must complete the certificate set out below for the relevant category.

A Company	B Partnership	C Joint Venture	D Sole Proprietor	E Close Corporation

A. Certificate for Company

I,, chairperson of the board of, hereby confirm that by resolution of the board (copy attached) taken on 20....., Mr/Ms acting in the capacity of, was authorised to sign all documents in connection with this tender for **Contract No CDC/444/26** and any contract resulting from it on behalf of the company.

As witnesses:

1. Chairman:
2. Date:

B. Certificate for Partnership

We, the undersigned, being the key partners in the business trading as, hereby authorise Mr/Ms acting in the capacity of to sign all documents in connection with this tender for **Contract No CDC/444/26** and any contract resulting from it on our behalf.

Name	Address	Signature	Date

Note: This certificate is to be completed and signed by all key partners upon whom rests the direction of the affairs of the Partnership as a whole.

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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C. Certificate for Joint Venture

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorise

Mr/Ms, authorised signatory of the company
....., acting in the capacity of lead partner, to sign all
documents in connection with this tender for **Contract No CDC/444/26** and any contract resulting from it on our behalf.

This authorisation is evidenced by the attached power of attorney signed by legally authorised signatories of all the
partners to the Joint Venture.

Name of Firm	Address	Authorising Name and Capacity	Authorising Signature
Lead Partner:			

D. Certificate for Sole Proprietor

I,, hereby confirm that I am the sole owner of the
business trading as

As witnesses:

1. Sole Owner:
2. Date:

E. Certificate for Close Corporation

We, the undersigned, being the key members in the business trading as, hereby authorise
Mr/Ms acting in the capacity of, to sign
all documents in connection with this tender for **Contract No CDC/444/26** and any contract resulting from it on our
behalf.

Name	Address	Signature	Date

*Note: This certificate is to be completed and signed by all key partners upon whom rests the direction of the affairs of
the Partnership as a whole.*

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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T2.1.2 FORM B: SCHEDULE OF WORK CARRIED OUT BY THE BIDDER

The Bidder shall list below the construction contracts of a similar nature awarded to them with a value great of **R 9 million** over the last 10 years. This information is material to the adjudication of the Tender.

EMPLOYER & CONTACT DETAILS	EMPLOYERS REPRESENTATIVE & CONTACT DETAILS	PROJECT TITLE & BRIEF DESCRIPTION	VALUE OF WORK (ZAR)	DATE COMPLETED

Number of sheets, appended by the bidder to this Schedule (If nil, enter NIL).

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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T2.1.3 FORM C: PROPOSED KEY PERSONNEL

The Bidder shall list below the key personnel, whom they propose to employ on the contract should their offer be accepted, both at their headquarters and on the Site, to direct and for the execution of the work, together with their qualifications, experience, positions held, and their nationalities. The bidder shall submit a current **curriculum vitae** in respect of each key person and an **Organogram**. Failure to complete this Schedule may result in the Tender not being considered.

DESIGNATION	NAME OF NOMINEE	SUMMARY OF QUALIFICATIONS & PROFESSIONAL REGISTRATION NUMBER	NOMINATED RESOURCE TO SIGN FOR CONSENT
Architect			
Quantity Surveyor			
Mechanical Engineer			
Electrical Engineer			
Civil Engineer			
Structural Engineer			
Contracts Manager			
Site Agent			
Foreman			

Number of sheets, appended by the bidder to this Schedule (If nil, enter NIL).

**** CVs shall be provided for these personnel**

Should any personnel change from the tender submission, their CV must be submitted and approved by the Employers Representative and it shall be a like-for-like candidate or better.

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY AT KING SABATA DALINDYEBO MUNICIPALITY IN MTHATHA

T2.1.4 FORM D: PLANT AND EQUIPMENT RESOURCES

The bidder shall state below what construction plant and equipment will be available for this Contract. The bidder shall differentiate, if applicable, between construction plant and equipment immediately available and construction plant and equipment which will become available by virtue of outstanding orders, and indicate what further construction plant and equipment will be acquired or hired for the work should he be awarded the Contract. Daily all in hire rates and daily standby rates are to be indicated for all the plant and equipment listed. **The bidder is to note that the rates contained in this schedule may be applied during the contract for the evaluation of variations and/or claims. Notwithstanding the equipment listed, the Bidder remains responsible for the suitability and adequacy of all Contractor's Equipment and for the methods proposed or adopted for the completion of the Works.**

CONTRACTORS PLANT AND EQUIPMENT IMMEDIATELY AVAILABLE

[illegible]

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA**

CONTRACTORS PLANT AND EQUIPMENT ON ORDER (State details of arrangements made)

DESCRIPTION, SIZE, CAPACITY	NUMBER

CONTRACTOR'S PLANT AND EQUIPMENT THAT WILL BE ACQUIRED OR HIRED

DESCRIPTION, SIZE, CAPACITY	NUMBER

Number of sheets appended by the bidder to this Schedule (If nil, enter NIL).

The Bidder undertakes to bring onto site without additional cost to the Employer any additional plant not listed but which may be necessary to complete the contract within the specified contract period.

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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T2.1.6 FORM F: FINANCIAL REFERENCES

Financial Statements

I/We agree, if required, to furnish an audited copy of the latest set of financial statements together with my/our Directors' and Auditors' report for consideration by the Employer.

Details of the Company's Bank

I/We hereby authorise the Employer/Principal Agent to approach all or any of the following banks for the purposes of obtaining a financial reference:

DESCRIPTION OF BANK DETAIL	BANK DETAILS APPLICABLE TO BIDDER'S HEAD OFFICE
Name of Bank	
Branch Name	
Branch Code	
Street Address	
Postal Address	
Name of Manager	
Telephone Number	()
Fax Number	()
Account Number	

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:.....

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T2.1.7 FORM G: ESTIMATED MONTHLY EXPENDITURE

The Bidder shall state below the estimated value of work to be completed every month based on his preliminary programme and his tendered unit rates.

*** The amounts for Contingencies and Contract Price Adjustment must not be included.**

MONTH	Amount *
1	R
2	R
3	R
4	R
5	R
6	R
7	R
8	R
9	R
10	R
11	R
12	R
13	R
14	R
15	R
16	R
17	R
18	R
19	R
20	R
21	R
22	R
23	R
24	R
MONTH	VALUE *

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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T2.1.8 FORM H: DETAILS OF AMENDMENTS AND QUALIFICATIONS

AMENDMENTS AND QUALIFICATIONS

I / We herewith propose the amendments and discounts as set out in the tables below:

(a) AMENDMENTS

PAGE, CLAUSE, OR ITEM NO.	PROPOSED AMENDMENT

[Notes: (1) Amendments to the Contract Data are not acceptable;
(2) The Bidder must give full details of all the financial implications of the amendments and qualifications in a covering letter attached to his tender.]

(b) ALTERNATIVES

PROPOSED ALTERNATIVE	DESCRIPTION OF ALTERNATIVE

[Notes: (1) Individual alternative items that do not justify an alternative tender and an alternative offer for time for completion should be listed here.
(2) In the case of a major alternative to any part of the work, a separate Schedule of Quantities, programme, etc, and a detailed statement setting out the salient features of the proposed alternatives must accompany the tender.]

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(c) DISCOUNTS

ITEM ON WHICH DISCOUNT IS OFFERED	DESCRIPTION OF DISCOUNT OFFERED

[Note: The Bidder must give full details of the discounts offered in a covering letter attached to his tender, failing which, the alternative offer will be prejudiced]

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:.....

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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T2.1.9 FORM I: PROTECTION OF PERSONAL INFORMATION: CONSENT

The introduction of The Protection of Personal Information Act (POPIA) ensures the regulation of personal information through its entire life cycle of collection, transfer, storing and deletion.

As part of its business activities, the Coega Development Corporation (CDC) obtains and requires access to personal data from a wide range of internal and external parties, including without limitation bidders who respond to requests for proposals that are published by the CDC from time to time. The CDC confirms that it shall process the information disclosed by Bidders to evaluate and subsequently award/appoint a successful Bidder.

To comply with procurement principles set out in Section 217 of the Constitution and national procurement legislative prescripts, the names of all entities that submitted a bid, the tendered price thereof, and the subsequent award will be made public.

The CDC hereby states that it does not and will never modify, amend, or alter any personal information submitted to it by a Bidder. Unless directed to do so by an order of court, the CDC does not disclose or permit the disclosure of any personal information to any Third Party without the prior written consent of the owner of the information.

Similarly, Bidders will from time-to-time access and will be seized with information of a personal nature pertaining to the CDC. Some of the information may, because of legislative compliances be available in the public domain, whilst some is uniquely provided to bidders in pursuit of procurement or other business-related activities. In this regard, the CDC requires that Bidders who receive or have access to its personal information, process any such information in a manner compliant with the requirements of the POPIA.

AGREEMENT

1. The CDC and the Bidder (the Parties) agree and undertake that upon obtaining and having access to personal information relating to either of them, they shall always ensure that:
 - a) They process the information only for the express purpose for which it was obtained.
 - b) Information is provided only to designated and authorized personnel who require the personal information to carry out the Parties' respective obligations in terms of the Procurement processes.
 - c) They will introduce, and implement all reasonable measures to ensure the protection of all personal information from unauthorized access and/or use.
 - d) They have taken appropriate measures to safeguard the security, integrity, and authenticity of all personal information in its possession or under its control.
 - e) The Parties agree that if personal information will be processed for any other purpose other than the one for which the accessing of the information was intended, explicit written consent will be obtained prior to the execution of such reason.
 - f) The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the interception of personal information in its possession or under its control and shall implement and maintain appropriate controls in the mitigation of such risks.
2. The Parties agree that they will promptly return or destroy any personal data in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected, subject to any legal retention requirements. The information will be destroyed in such a manner that it cannot be reconstructed to its original form, linking it to any individual or organisation.

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3. Bidder's Obligations:

- g) The Bidder is required to notify the Information Officer of CDC, in writing as soon as possible after it becomes aware of or suspects any loss, unauthorised access or unlawful use of any of the CDC's personal information.
- h) The Bidder shall, at its own cost, promptly and without delay take all necessary steps to mitigate the extent of the loss or compromise of personal data.
- i) The Bidder shall be required to provide the CDC with details of the persons affected by the compromise and the nature and extent of the compromise, including details of the identity (if known) of the unauthorized person who may have accessed or acquired the personal data.
- j) The Bidder undertakes to co-operate with any investigation relating to security breach which is carried out by or on behalf of CDC.

On behalf of the Bidder:

.....
Signature

.....
Date

.....
Position

.....
Name of the Bidder

On behalf of the Client:

.....
Signature

.....
Date

.....
Position

.....
Name of Client Representative

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T2.1.10 FORM J: OCCUPATIONAL HEALTH AND SAFETY ACT SPECIFICATIONS

The successful bidder (Service Provider - SP) will be required to comply with the Occupational Health and Safety Act and Regulations, Act (85 of 1993); Compensation for Occupational Injuries and Disease Act, Act (130 of 1993), National Environmental Management Act, Act (107 of 1998) and Disaster Management Act, Act (57 of 2002) and, all relevant legislations throughout the duration of the contract. Upon appointment of the successful bidder, the service provider will be required to develop Occupational Health, Safety and Environmental Management Systems in compliance to the CDC Norms and Standards specified below prior commencement of the intended scope of works. The SP will be expected to develop SHE File as per project SHE Specifications within the prescribed timeframe specified in the letter of appointment and submit for approval prior commencement of construction work. Below table are the minimum requirements but not limited to –

Table 1

OHSSS Item No.	OHSSS Requirement	OHSA Requirement	Submission Date
A: CLIENT DOCUMENTATION			
2.3.1	Prepared Health and Safety Specification (HSS) by the Client - CR 5(1)(b)	Approved copy of HSS Specification specific to the project scope of work	Prior commencement of construction work.
2.3.2	Prepared Baseline Risk Assessment (BRA) by the Client - CR 5(1)(a)	Approved copy of BRA specific to the project scope of work	
2.3.3	Letters of contract appointment and form of acceptance completed by the Professional Service Providers i.e. Engineers	Completed and signed contract documentation between the Client and Engineers	
2.3.4	Legal appointment and acceptance in the form of CR 6(1)		
2.3.5	Valid proof of professional registration with statutory body or voluntary association		
2.3.6	Professional Indemnity		
2.3.7	SHE Assessments, investigation	Assessment or investigation reports with issued permits, licenses, waivers, authorization	
2.3.8	Drawing Designs	Approved drawing designs by the Authorities	
2.3.9	Mandatory agreement entered between two parties - Section 37.2	Completed and signed mandatory agreement entered between Client and Engineers	

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B: PRINCIPAL CONTRACTOR (PC) DOCUMENTATION			Prior commencement of construction work
2.3.10	Letter of appointment/SLA and acceptance	Completed and signed contract documentation between Client and PC	
2.3.11	Appointment letters of the PC CR 5(1)(k)	Completed and signed letter between Client and PC	
2.3.12	Mandatory agreement in the form of Sec 37.2 of the OHSA	Completed and signed mandatory agreement entered between Client and PC	
2.3.13	Construction work notification to the nearest Department of Employment and Labour Centre (DoELC) in the Contractor – CR4	A copy of completed and signed Annexure 2 with acknowledgement certificate or stamped by the DoELC	
2.3.14	Compensation Fund or approved License Insurer in terms of Occupational Injuries and Diseases Act, Act (130 of 1993), CR 5(1)(j)	Valid registration certificate with Compensation Fund or Approved Licenced Insurer	
2.3.15	Construction work site Organogram	Designation and names of appointed persons to the relevant sections and regulations of the OHSA	
2.3.16	Appointment for construction work project activities - management and supervision	Completed and signed appointment letters of Construction Manager and Supervisor (CM & CS) on fulltime basis on site – CR 8(1) and CR 8(7). Provide profiles, copies of (ID, qualifications, short courses attended) registered with SACPCMP (where required)	
2.3.17	Appointment for construction work health and safety activities - management and supervision	Completed and signed appointment letter of Construction Health and Safety Officer or Manager (CHSO/CHSM) on fulltime basis on site to assist in the control of all SHE related aspects on site – CR 8(5). Provide profile, copies of (ID, qualifications, short courses attended) and valid registration certificate with SACPCMP	
2.3.18	Appointment of competent responsible persons as per project scope of work activities aligned with site organogram (operational)	Signed letters of designations and names of competent persons with proof of competent certificates	

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2.3.19	Prepared SHE Policies – Section 7	Signed SHE policies as per Tender SHE Specifications	
2.3.20	Prepared Baseline Risk Assessment (BRA) – Hazard Identification and Risk Assessment – CR 9(1)	Signed BRA specific to the project scope of work	
2.3.21	Prepared Health, Safety and Environmental Plans (where applicable) • Health and Safety Plan (HSP) • Environmental Management Plan • Fall Protection Plan • Temporary Works plan • Demolition / Dismantling Plan • Emergency Preparedness and Response Plan • Public Safety Management Plan etc	Signed HSP's specific to the Tender SHE Specifications	
2.3.22	Prepared Environmental Method Statements read with Safe Working Procedures	Signed method statements as per Tender SHE Specifications	
2.3.23	Prepared Safe Working Procedures	Signed safe working procedures as per Tender SHE Specifications	
2.3.24	Medical examinations of all employees specific to the work to be performed by the OMP/OHNP in the form of Annexure 3 – pre, periodic and exits - CR 7(1)(g) Valid medical certificates may be subjected to verification process by CDC Health Care Centre should there be discrepancies at the cost prescribed by the Clinic (CDC requirement)	Proof of valid medical certificates issued by Occupational Health Practitioner with completed Annexure 3 and copies of employees' ID	
2.3.25	Documents, Training, Records and Registers – CR 7(1)(b)	Prepared registers, templates, documents, and records as per Tender SHE Specifications	

Abbreviations:

SHE: Safety, Health and Environment

CR: Construction Regulations 2014

OHSA: Occupational Health and Safety Act and Regulations, Act (85 of 1993)

OHSSS: Occupational Health and Safety Site Specification



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NOTIFICATION FORM: SHE SPECIFICATION

Acknowledgement:

I, _____ representing _____

_____ Contractor have satisfied with the content of the Safety, Health and Environmental Specifications and shall ensure that we comply with all relevant obligations in respect thereof. I furthermore, have fully included in my tendered rates and prices (in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the OHSA for the duration of the construction work and defects liability period.

Signature of Contractor

Date

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T2.1.11 FORM K: CONTRACT PARTICIPATION GOAL: EME / QSE TARGET FORM

The CIDB Standard for Indirect Targeting is incorporated into this Contract. A Contract Participation Goal (CPG) of 36% (by value, excluding contingencies, escalation, VAT, Socio-economic deliverables, and EPWP allowances (if applicable)) is stipulated in this contract.

The Tenderer is to commit to targeted works that can be performed by EMEs/QSEs as subcontractors. The EME/ QSE targeted CPG must be calculated in relation to every entity involved in the project as defined in the CDC SMME Specification document.

The identification of SMME packages post-award will be done in conjunction with the CDC SMME Unit and the project team. The sourcing, procurement, appointment, mentoring, and graduating of SMMEs will be done in accordance with the CDC SMME Specification.

The overall percentage in the table below will be utilised for the allocation of points in the Functionality Assessment stage of Evaluation and will be monitored during construction for compliance. Penalties may be applied for achieving less than the committed CPG %.

Please refer to Tables A1 and A2 in the Functionality section of Volume 1 of the Tender documents for the Evaluation Indicators for scoring purposes.

CONTRACT NUMBER : _____

CONTRACT DESCRIPTION : _____

PROJECT MANAGER : _____

TENDERER/S NAME : _____

I/We tender the following targets of:

Exempted Micro Enterprises (EMEs) / SMMEs Participation		
Participation	% Goal Tendered	Estimated RAND Value (R)
SMME Packages committed	%	R
Overall % Contract Participation Goal	%	R

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I/We commit to achieving the above-mentioned Contract Participation Goal and to respond promptly to points of clarification regarding my/our CPGs, failing which I/we understand that my/our Tender will be deemed non-responsive on the grounds of being incomplete and not meeting the mandatory requirements as stipulated in the Tender.

Penalty on non-compliance/not achieving the committed minimum target of 36% participation

"The tenderers must allow for all costs application that they may feel be associated with the successful integration, development of and completion of SMME Contractors' work to the approval of the Principal Agent on this project. This includes all the costs associated with the provision of an SMME Participation as stipulated on the Form K at a minimum of 36% of construction costs excluding VAT, Contingencies and Escalation". The employer shall be entitled without prejudice to its other remedies under the contract, deduct from the contract price, as penalty calculated on the following formula

36% of PV (in monetary value - %age AV (in monetary value) = PAV (in monetary value);
where PV = Project Value,
where AV= Achieved SMME Participation Value,
where PAV = Penalty Accumulated Value

Penalty = Target @ 36% - % Achieved SMME Participation = Balance of the % not achieved (which would be the penalty for non-compliance)

Duly authorised to sign on behalf of: (name of tenderer)	:	
	:	

Name of Person signing	:	
------------------------	---	--

Signature	:	
-----------	---	--

Date	:	
------	---	--

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T2.1.13 FORM M: FULFILMENT OF THE CONSTRUCTION REGULATIONS, 2014

In terms of regulation 5(1)(h) of the Construction Regulations, 2014 (hereinafter referred to as the Regulations), promulgated on 7 February 2014 in terms of Section 43 of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) the Employer shall not appoint a contractor to perform construction work unless the Contractor can satisfy the Employer that his/her firm has the necessary competencies and resources to carry out the work safely and has allowed adequately in his/her tender for the due fulfilment of all the applicable requirements of the Act and the Regulations.

- 1 I confirm that I am fully conversant with the Regulations and that my company has (or will acquire/procure) the necessary competencies and resources to timeously, safely and successfully comply with all of the requirements of the Regulations.

(Tick)

YES	
NO	

- 2 Proposed approach to achieve compliance with the Regulations (Tick)

Own resources, competent in terms of the Regulations (refer to 3 below)	
Own resources, still to be hired and/or trained (until competency is achieved)	
Specialist subcontract resources (competent) - specify:	

- 3 Provide details of proposed key persons, competent in terms of the Regulations, who will form part of the Contract team as specified in the Regulations (CVs to be attached):

.....
.....

- 4 Provide details of proposed training (if any) that will be undergone:

.....

- 5 Potential key risks identified and measures for addressing risks:

.....

- 6 I have fully included in my tendered rates and prices (in the appropriate payment items provided in the Schedule of Quantities) for all resources, actions, training and any other costs required for the due fulfilment of the Regulations for the duration of the construction and defects repair period.

(Tick)

YES	
NO	

SIGNATURE OF PERSON(S) AUTHORISED TO SIGN THIS TENDER:

1 ID NO:

2 ID NO:

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T2.1.14 FORM N: JOINT VENTURE DISCLOSURE FORM

EMPLOYER: **COEGA DEVELOPMENT CORPORATION**

CONTRACT DESCRIPTION: **CONSTRUCTION OF NTSHELE CLINIC REPLACEMENT OF
EXISTING FACILITY**

CONTRACT NUMBER: **CDC/444/26**

Note:

- 1) This form need not be completed for Joint Ventures which have enterprise partners.
- 2) All the information requested must be filled in the spaces provided. If additional space is required, additional sheets may be attached.
- 3) A copy of the joint venture agreement must be attached to this form. To demonstrate the targeted enterprise partner's share in the ownership, control, management responsibilities, risks and profits of the joint venture, the proposed joint venture agreement must include specific details relating to:
 - i) The contributions of capital and equipment
 - ii) Work items to be performed by the enterprise partner's own forces.
 - iii) The commitment of management, supervisory and operative personnel employed by the targeted enterprise partner to be dedicated to the performance of the Contract.
- 4) Copies of all written agreements between partners concerning the contract must be attached to this form, including those which relate to ownership options and restrictions/limits regarding ownership and control.
- 5) Each enterprise partner must complete an Enterprise Declaration Affidavit.



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JOINT VENTURE PARTICULARS

Name : _____
Postal address : _____
Physical address : _____
Telephone : _____ Fax : _____

IDENTITY OF EACH ENTERPRISE PARTNER

Name : _____
Postal address : _____
Physical address : _____
Telephone : _____ Fax : _____
Contact Person : _____

Name : _____
Postal address : _____
Physical address : _____
Telephone : _____ Fax : _____
Contact Person : _____

Name : _____
Postal address : _____
Physical address : _____
Telephone : _____ Fax : _____
Contact Person : _____

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DESCRIPTION OF THE ROLE OF THE PARTNERS IN THE JOINT VENTURE.

OWNERSHIP OF THE JOINT VENTURE

- | | | | | |
|----|--|---|--|--|
| a) | Percentage Ownership in respect of | : | Enterprises _____ % | Enterprises _____ % |
| b) | Profit and Loss Sharing | : | Enterprises _____ % | Enterprises _____ % |
| c) | Initial Capital Contribution | : | Enterprises <u> R </u> | Enterprises <u> R </u> |
| d) | Ongoing Capital Contribution | : | Enterprises <u> R </u> | Enterprises <u> R </u> |
| e) | Major Plant and Equipment Contribution | : | Enterprises _____ | Enterprises _____ |

[illegible]



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RECENT CONTRACTS EXECUTED BY PARTNERS IN THEIR OWN RIGHT OR AS PARTNERS
IN OTHER JOINT VENTURES

Targeted Enterprise Partners

- 1. : _____
- 2. : _____
- 3. : _____
- 4. : _____
- 5. : _____

CONTROL AND PARTICIPATION IN THE JOINT VENTURE

(Identify by name and firm those individuals who are, or will be, responsible for, and have authority to engage in the relevant management functions and policy and decision-making, indicating any limitations in their authority e.g. co-signature requirements and Rand limits).

(Continue on next page)

CONTROL AND STRUCTURE OF THE JOINT VENTURE

Briefly describe the manner in which the Joint Venture is structured and controlled.

The undersigned warrants that he/she is duly authorised to sign this Joint Venture Disclosure Form and affirms that the foregoing statements are correct and include all material information necessary to identify and explain the terms and operations of the Joint Venture and the intended participation of each partner in the undertaking



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The undersigned further covenants and agrees to provide the Employer with complete and accurate information regarding actual Joint Venture work and the payment therefore, and any proposed changes in any provisions of the Joint Venture agreement, and to permit the audit and examination of the books, records and files of the Joint Venture, or those of each partner relevant to the Joint Venture, by duly authorized representatives of the Employer.

Signature : _____

Name : _____

Duly authorized to sign on behalf of : _____

Address: : _____

Telephone : _____

Fax : _____

Date : _____



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T2.1.15 FORM O: BBBEE PREFERENCING

The Bidder shall attach to this page a certified copy of the BBBEE Validation Certificate issued by an accredited Verification Agency and/or financial statement in case of an EME/SMME.

In the case of Joint Ventures (JV), each JV partner must submit their BBBEE Validation Certificate.

Certified Copy attached

Yes	No
☐	☐

The Bidder shall attach to this page a copy of their CIDB Registration Certificate.

In the case of Joint Ventures (JV), each JV partner must submit their CIDB Registration Certificate.

Copy attached

Yes	No
☐	☐

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:

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T2.1.16 FORM P: PRELIMINARY PROGRAMME AND METHOD STATEMENT

(FOR TENDER ADJUDICATION PURPOSES ONLY)

The Bidder shall attach a preliminary programme and indicative method statements to this schedule.

This programme shall be in the form of a bar chart (Gantt chart) or similar acceptable time/activity form reflecting the proposed sequence and tempo of the various activities and the quantities that will be carried out every week under each of the elements, comprising the work for this contract. The working hours shall be indicated.

Should the bidder be able to complete the work in a shorter timer period, please indicate this in the cover letter..

The Bidder shall also take into account the requirements stated in the Scope of Work when drawing up the programme and considering his method statements for tender adjudication.

Details of the preliminary programme shall be appended to this Schedule.

Number of sheets appended by the bidder to this Schedule (If nil, enter NIL).

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T2.1.17 FORM Q: QUALITY MANAGEMENT PLAN

The Contractor shall propose and include for the methodology and pricing a comprehensive quality Management system (QMS) for the Employer's Agent's approval, to ensure the work is delivered without deficiencies and that the Employer's Agent is informed and/or consulted on a daily basis on all matters relating to the quality and progress of the work. The QMS shall further be developed to include clear Quality Control Procedures (QCPs) that will outline how works will be staged and where the Employer's Agent's approval will be required to sign off any work, whether in full or in stages. A clear distinction is required for verification, hold points, and approvals, as may be required.

The quality management plan will be used with the preliminary programme and method statement for the scoring of fun

Due consideration must be given to the deliverables required to execute and complete the contract and should include but not be limited to:

Item	Document to be submitted	Attached? (Y/N)
1	ISO 9001:2000 Certification	
2	Quality Manual table of contents	
3	Quality Policy	
4	Schedule / List Quality Management System Procedures	
5	Typical Project Quality Plan	
6	Typical Data Pack Indices	

The Bidder shall attach to this form a certified copy of his ISO 9001 accreditation.

SIGNATURE:
(person authorised to sign on behalf of the Bidder)

DATE:

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T2.1.18 FORM R: PSP PERFORMANCE EVALUATION FORM

PROJECT NUMBER	
CONTRACT NUMBER	
PROJECT NAME	
PROJECT MANAGER	
SERVICE PROVIDER	
CONTRACT VALUE	
PROJECT DURATION AND START DATE	
PROJECT STATUS (Planning/Design/Construction/Completed)	
REVIEW PERIOD	
EVALUATION DATE	

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STAGE	STANDARD DELIVERABLES	PERFORMANCE SCORE	LEVEL OF PERFORMANCE				
			Level 1	Level 2	Level 3	Level 4	Level 5
STAGE 1 – Inception	- Project Implementation Plan; - Assessment Report; - Consultation Report; - Record of Technical Team Meetings		PSP was a drag; Does not execute as planned or as agreed; Does not have an appreciation of the objectives of this Stage; Literally guided by the Project Management Team at all times; Quality of work rejected more than once; All the deliverables submitted 50% or more behind PIP Schedule.	PSP needed to be “hand-held”; Displayed some degree of professionalism; Does not have full appreciation of the objectives of this Stage; Guided by the Project Management Team 80% of the time; Quality of work rejected at least once; All the deliverables submitted not more than 40% behind PIP Schedule.	PSP has done the basic bare minimum; Not pro-active; Displayed reasonable degree of professionalism; No additional suggestions on how to improve the total deliverables; Deliverables returned at least once to be revised; All deliverables submitted not more than 30% behind scheduled time.	PSP has most (80%) of the time been pro-active; Displayed satisfactory professionalism, diligent, insightful, useful suggestions but lack full implementation of best approaches to minimise time, costs and improve quality of the deliverables. Deliverables accepted first time meeting quality expectations; All deliverables submitted not more than 20% behind scheduled time.	PSP has at all times been pro-active, displayed astute professionalism, diligent, insightful; Useful suggestions and implementation of best approaches to minimise time, costs and improve quality of the deliverables; All deliverables accepted first time and not more than 10% behind scheduled time.

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STAGE	STANDARD DELIVERABLES	PERFORMANCE SCORE	LEVEL OF PERFORMANCE				
			Level 1	Level 2	Level 3	Level 4	Level 5
STAGE 2 – Concept & Viability	- Draft Project Brief; - Draft Sketch/Layout Plans; - Level 2 WBS, WBS-D and Baseline Plans; - Concept Designs; - Preliminary Cost Estimates; - Preliminary Schedule of Major Deliverables; - Site Development Plans; - Value Engineering Report		PSP is a pain to work with; Did not display professionalism nor commitment; Non-coherent team with rife team dynamics that affected the progress; Does not have sense of urgency and has to be pushed at all times; Did not display appreciation nor understanding of the WBS and Baseline Process; Minimal or no useful input in the VE workshop and during the entire Stage; No appreciation of SHE, S-E and Sustainability issues; Quality of work rejected more than twice; All the deliverables submitted 50% or more behind PIP Schedule; Not responsive to client meeting requirements, ad hoc requirements.	PSP needed to be hand-held; Displayed some degree of professionalism and some degree of commitment; Has to be reminded frequently of the timelines; Did not display good understanding of WBS and Baseline Process; Minimal input in the VE workshop and during the entire Stage; Limited appreciation of SHE, S-E and Sustainability issues; Quality of work rejected at least twice; All the deliverables submitted not more than 40% behind PIP Schedule; Poor responsiveness to client meeting requirements, ad hoc requirements.	PSP has done the basic bare minimum to fulfil the requirements of this Stage; Not pro-active; Displayed reasonable professionalism and commitment, diligence, insightfulness; Fair understanding of WBS and Baseline Process; Fair inputs in VE Workshop; Reasonable responsiveness to SHE, S-E and Sustainability issues; Deliverables needed to be rectified at least once; All deliverables submitted not more than 30% behind scheduled time; Fair responsiveness to client meeting requirements, ad hoc requirements.	PSP has most (80%) of the time been pro-active, displayed professionalism and commitment, diligent, insightful; Good understanding of WBS and Baseline Process; Useful insights in the VE Workshop; Useful ideas, proposals but lacks effective implementation of best approaches to save time, minimise costs, improve quality, reduce risks; Good responsiveness to SHE, S-E and Sustainability issues; Deliverables accepted first time meeting quality expectations; All the deliverables submitted not more than 20% behind PIP Schedule; Very good responsiveness to client meeting requirements, ad hoc requirements.	PSP has at all times been pro-active, displayed astute professionalism and commitment, diligent, insightful; Astute understanding and execution of WBS and Baseline Process; Critical insight in the VE Workshop; Superb ideas, proposal and implementation of best approaches to save time, minimise costs, improve quality, reduce risks; Proactive on SHE, S-E and Sustainability issues; Deliverables accepted first time, exceeding expected quality standards; All the deliverables submitted not more than 10% behind PIP Schedule; Excellent responsiveness to client meeting requirements, ad hoc requirements.

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STAGE	STANDARD DELIVERABLES	PERFORMANCE SCORE	LEVEL OF PERFORMANCE				
			Level 1	Level 2	Level 3	Level 4	Level 5
STAGE 3 – Design Development	- Design Development Drawings; - Outline Specifications; - Detailed Cost Estimates; - Design Report		PSP is a pain to work with; Did not display professionalism nor commitment; Non-coherent team with rife team dynamics that affected the progress; Does not have sense of urgency and has to be pushed at all times; Designs not triangulated and not incorporating concepts agreed upon in Stage 2; Quality of work rejected more than twice; All the deliverables submitted 50% or more behind PIP Schedule.	PSP needed to be hand-held; Displayed some degree of professionalism and some degree of commitment; Serious team dynamics that affected the progress; Has to be reminded frequently of timelines; Did not display good understanding of triangulated designs; Incorporated some (50%) of the concepts agreed upon in Stage 2; Not conscious of cost effective designs; Quality of work rejected at least twice; All the deliverables submitted not more than 40% behind PIP Schedule.	PSP has done the basic bare minimum to fulfil the requirements of this Stage; Not pro-active; Displayed reasonable professionalism and commitment, diligence, insightfulness; Worked as a coherent team with minimal team dynamics; Aware and attempted triangulated designs; Incorporated most (75%) of the concepts agreed upon in Stage 2; Deliverables needed to be rectified at least once; All deliverables submitted not more than 30% behind scheduled time	PSP has most (80%) of the time been pro-active, displayed professionalism and commitment, diligent, insightful; Worked as a coherent team with managed team dynamics; Conscious of cost effective designs but lack effective implementation; Triangulated designs, incorporating all the concepts agreed upon in Stage 2; Deliverables accepted first time meeting quality expectations; All the deliverables submitted not more than 20% behind PIP Schedule;	PSP has at all times been pro-active, displayed astute professionalism and commitment, Worked as a strong coherent team with well-managed team dynamics; Cost effective and aesthetic solutions proposed; triangulated designs that incorporated all the concepts agreed upon in Stage 2 and more thus improving the solution; Deliverables accepted first time, exceeding expected quality standards; All the deliverables submitted not more than 10% behind PIP Schedule.

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STAGE	STANDARD DELIVERABLES	PERFORMANCE SCORE	LEVEL OF PERFORMANCE				
			Level 1	Level 2	Level 3	Level 4	Level 5
STAGE 4 – Documentation & Procurement	- Working Drawings - Elemental Bill of Quantities - Tender Documents - Tender Evaluation Report		PSP is a pain to work with; Did not display professionalism nor commitment; Non-coherent team with rife team dynamics that affected the progress; Does not have sense of urgency and has to be pushed at all times; Concept of Elemental BoQ not understood at all and struggles to implement; Not all the Specifications are included and all are incorrect; Not useful in the tender adjudication process; Quality of work rejected more than twice; All the deliverables submitted 50% or more behind PIP Schedule.	PSP needed to be hand-held; Displayed some degree of professionalism and some degree of commitment; Serious team dynamics that affected the progress; Did not display good understanding of Elemental BoQ; All the Specifications included but incomplete or incorrect; Limited usefulness during the tender adjudication process; Quality of work rejected at least twice; All the deliverables submitted not more than 40% behind PIP Schedule.	PSP has done the basic bare minimum to fulfil the requirements of this Stage; Not pro-active; Displayed reasonable professionalism and commitment, diligence, insightfulness; Reasonable understanding of Elemental BoQ; Reasonable acceptable level of performance on tender evaluation; Deliverables needed to be rectified at least once; All deliverables submitted not more than 30% behind scheduled time.	PSP has most (80%) of the time been pro-active, displayed professionalism and commitment, diligent, insightful; Has good understanding and packaging of Elemental BoQ; All the Specifications included with no errors; Innovative ideas provided in negotiations with contractor for a cost optimised solution; Deliverables accepted first time, meeting quality expectations All the deliverables submitted not more than 20% behind PIP Schedule; PSP was easily accessible.	PSP has at all times been pro-active, displayed astute professionalism and commitment; Pro-active and astute in packaging Elemental BoQ; All the Specifications included and of high quality standard; Very insightful and professional tender evaluations; Deliverables accepted first time, exceeding expected quality standards; All the deliverables submitted not more than 10% behind PIP Schedule; PSP was easily accessible.

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STAGE	STANDARD DELIVERABLES	PERFORMANCE SCORE	LEVEL OF PERFORMANCE				
			Level 1	Level 2	Level 3	Level 4	Level 5
STAGE 5 – Construction (including Commissioning)	- Work Plans - Site Hand-over Certificate - Summary of Test Results with interpretations - Uploaded Information on Reporting Systems - Contractors Payment Certificates and Monitoring Tool; - Consultants Fees and Progress Report - Practical Completion Certificate - Works Completion Certificate - Record of Meetings		PSP is a pain to work with; Did not display professionalism nor commitment; Does not have sense of the importance of effective management of this Stage; Level 3 WBS and Work Plans are a grossly incorrect; Site meetings not attended; Not responsive to contractor queries; Very poor in Contracts Management; Does not manage the SHE and S-E issues at all; Payment Certificates rejected and submitted late; Extremely poor management of the process of arranging Completion certificates and maintenance contracts.	PSP needed to be hand-held; Displayed some degree of professionalism and some degree of commitment; Serious team dynamics that affected the progress; Level 3 WBS and Work Plans need high level of reworking; Site meetings attended sparingly (60%) of the time; Poor responsiveness to contractor queries; Poor in Contracts Management; Poor management of the SHE and S-E issues; Payment Certificates need to be corrected most of the time and submitted late most of the time; Poor management of the process of arranging Completion certificates and maintenance contracts.	PSP has done the basic bare minimum to fulfil the requirements of this Stage; Not pro-active; Displayed reasonable professionalism; Satisfied the preliminary site h/o requirements; Fairly useful in the development of Level 3 WBS and Work Plans; Most (80%) of site and co-ordination meetings attended; Fairly good responsiveness to Contractor queries/requests; Good Contracts Management practices; Fairly good Contracts Management practices; Reasonable in the implementation of SHE and S-E issues; 80% of payment certificates correct and submitted on time 80% of the time; Issued Completion Certificates late and secured maintenance contracts.	PSP has most (80%) of the time been pro-active, displayed professionalism and commitment, diligent, insightful; Satisfied all the preliminary site h/o requirements; Useful in the development of Level 3 WBS and Work Plans; Most (90%) of site and co-ordination meetings attended; Good responsiveness to Contractor queries/requests; Good Contracts Management practices; Effective in the implementation of SHE and S-E issues; Correct payment certificates submitted on time most (90%) of the time; Issued all Completion Certificates and secured maintenance contracts.	PSP has at all times been pro-active, displayed astute professionalism and commitment; Satisfied all the preliminary site h/o requirements; Proactive and instrumental in the development of Level 3 WBS and Work Plans; All site and co-ordination meetings attended; Excellent responsiveness to Contractor queries/requests; Excellent and effective Contracts Management practices; Instrumental in the implementation of SHE and S-E issues; Timeous submission of correct payment certificates; Issued all Completion Certificates and secured maintenance contracts.

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STAGE	STANDARD DELIVERABLES	PERFORMANCE SCORE	LEVEL OF PERFORMANCE				
			Level 1	Level 2	Level 3	Level 4	Level 5
STAGE 6 – Close-out	- Operations and Maintenance Manuals, Guarantees and Warranties; - As-built Drawings - Certificate of Final Completion - Final Accounts - Project Close-out Report - Record of necessary meetings		PSP is a pain to work with; Did not display professionalism nor commitment; Does not have sense of urgency and has to be pushed at all times; All the deliverables submitted 40% or more behind PIP Schedule.	PSP needed to be hand-held; Displayed some degree of professionalism and some degree of commitment; All the deliverables submitted not more than 30% behind PIP Schedule.	PSP has done the basic bare minimum to fulfil the requirements of this Stage; Not pro-active; Displayed reasonable professionalism; All deliverables submitted not more than 20% behind scheduled time	All guarantees and Maintenance Manuals in place; As-built drawings of reasonable high quality standards completed within reasonable time; Acceptable final accounts prepared and completed on time; Very good Close-out Report submitted slightly late (10%).	All guarantees and Maintenance Manuals in place; As-built drawings of high quality standards proactively completed on time; Correct and accurate final accounts prepared and completed on time; Excellent and useful Close-out Report submitted on time.
			0.0 - 6.0	6.1 – 12.0	12.1 – 18.0	18.1 – 24.0	24.1 – 30
OVERALL SCORE AND RECOMMENDATION			<i>High risk; Not recommended for further appointment</i>	<i>Risky, to use for the same scope of work. May be considered for simpler jobs with a thorough risk analysis for the scope of work</i>	<i>Low to moderate risk; Recommended for use where speed is not critical and after further risk analysis</i>	<i>Very low risk, Recommended for future engagements</i>	<i>Highly recommended for future engagements and for emergencies</i>
COMMENT							
NAME, SIGNATURE & DATE							

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SBD 4

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and/or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. BIDDER'S DECLARATION

- 2.1 Is the bidder, or any of its directors, trustees, shareholders, members, partners, or any person having a controlling interest in the enterprise, employed by the state?

YES/NO

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietors, directors, trustees, shareholders, members, partners, or any person having a controlling interest in the enterprise, in the table below.

Full Name	Identity Number	Name of State institution

- 2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution?

YES/NO

- 2.2.1 If so, furnish particulars:

.....
.....

- 2.3 Does the bidder or any of its directors, trustees, shareholders, members, partners, or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

YES/NO

- 2.3.1 If so, furnish particulars:

.....
.....

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3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium¹ will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition, and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN SECTIONS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF SECTION 6 OF
PFMA SCM INSTRUCTION 03 OF 2021/22 ON ENHANCING COMPLIANCE, TRANSPARENCY AND
ACCOUNTABILITY IN SUPPLY CHAIN MANAGEMENT SHOULD THIS DECLARATION PROVE TO BE
FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

¹ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

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SBD 6.1

Preference Points Claim Form in Terms of The Preferential Procurement Regulations 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

1.1. The following preference point systems are applicable to invitations to tender:

- a) the 90/10 system for requirements with a Rand value more than R 50 000 000 (all applicable taxes included)

1.2.

- a) The applicable preference point system for this tender is the 90/10 preference point system.
- b) The 90/10 preference point system will be applicable in this tender.

1.3. Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

- a) Price; and
- b) Specific Goals.

1.4. The maximum points for this tender are allocated as follows:

	POINTS
PRICE	90
Specific Goals	10
Total points for Price and Specific Goals	100

1.5. Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6. The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

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2. DEFINITIONS

- (a) **“tender”** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) **“price”** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) **“rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) **“tender for income-generating contracts”** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) **“the Act”** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1. THE 90/10 PREFERENCE POINT SYSTEM

A maximum of 90 points is allocated for price on the following basis:

$$Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where:

- Ps = Points scored for price of tender under consideration
- Pt = Price of tender under consideration
- Pmin = Price of lowest acceptable tender

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4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
- (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.

(Note to organs of state: Where the 90/10 preference point system is applicable, corresponding points must also be indicated as such.

Note to Bidders: The Bidder must indicate how they claim points for each preference point system.)

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system)
BBBEE Level of Contributor	
1	10
2	9
3	7
4	6
5	4
6	3
7	2
8	1
Non-compliant contributor	0

5. DECLARATION WITH REGARD TO COMPANY/FIRM

5.1. Name of company/firm:.....

5.2. Company registration number:.....

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5.3. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

5.4. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

.....

.....

.....

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SBD 7.1

CONTRACT FORM - PURCHASE OF GOODS/WORKS

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SUCCESSFUL BIDDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SUCCESSFUL BIDDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

PART 1 (TO BE FILLED IN BY THE BIDDER)

1. I hereby undertake to supply all or any of the goods and/or works described in the attached bidding documents to (name of institution) according to the requirements and specifications stipulated in bid number..... at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the purchaser during the validity period indicated and calculated from the closing time of the bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
 - (i) Bidding documents, viz
 - Invitation to bid;
 - Tax clearance certificate;
 - Pricing schedule(s);
 - Technical Specification(s);
 - Preference claims for Broad-Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
 - Declaration of interest;
 - Declaration of bidder's past SCM practices;
 - Certificate of Independent Bid Determination
 - Special Conditions of Contract;
 - (ii) FIDIC Conditions of Contract for Construction 2017; and
 - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the goods and/or works specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfilment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfilment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorised to sign this contract.

NAME (PRINT)

CAPACITY

SIGNATURE

NAME OF FIRM

DATE

WITNESSES

1

2.

DATE:

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SBD 7.1

CONTRACT FORM - PURCHASE OF GOODS/WORKS

PART 2 (TO BE FILLED IN BY THE PURCHASER)

1. I..... in my capacity as.....
accept your bid under reference numberdated.....for the supply of goods/works
indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating delivery instructions is forthcoming.
3. I undertake to make payment for the goods/works delivered according to the terms and conditions of the
contract, within 30 (thirty) days after receipt of an invoice accompanied by the delivery note.

ITEM NO.	PRICE (ALL APPLICABLE TAXES INCLUDED)	BRAND	DELIVERY PERIOD	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorised to sign this contract.

SIGNED ATON.....

NAME (PRINT)

SIGNATURE

OFFICIAL STAMP

WITNESSES

1.

2.



**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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PART C1: AGREEMENTS AND CONTRACT DATA



**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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C1.1 FORM OF OFFER AND ACCEPTANCE

OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a Contract for the procurement of:

**CONTRACT No. CDC/444/26 DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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The Bidder, identified in the Offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the bidder, deemed to be duly authorized, signing this apart of this form of offer and acceptance, the bidder offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined according to the conditions of contract identified in the contract data.

THE OFFERED TOTAL PRICE INCLUSIVE OF VALUE ADDED TAX (VAT) IS

.....
.....
.....Rand (in words);

R..... (in figures),

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the bidder before the end of the period of validity stated in the tender data, whereupon the bidder becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature(s) _____

Name(s) _____

Capacity _____

for the Bidder _____

(Name and address of organisation)

Name and _____

signature of
witness _____ Date _____

CIDB
Registration No: _____



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ACCEPTANCE

By signing this part of this form of offer and acceptance, the employer identified below accepts the bidder's offer. In consideration thereof, the Employer shall pay the Contractor the amount due according to the Conditions of Contract identified in the contract data. Acceptance of the bidder's offer shall form an agreement, between the employer and the bidder upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part C1 Agreements and contract data, (which includes this agreement)

Part C2 Pricing data

Part C3 Scope of work

Part C4 Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above (including all Annexures).

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the bidder and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this agreement. No amendments to or deviations from said documents are valid unless contained in this schedule.

The bidder shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations according to those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the bidder receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the bidder (now contractor) within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature(s) _____

Name(s) _____

Capacity _____

for the Employer _____
(Name and address of organisation)

Name and _____

signature of _____
witness _____ Date _____

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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C1.2 CONTRACT DATA

1.2.1 GENERAL CONDITIONS OF CONTRACT

The following standardised General Conditions of Contract shall apply and form the General Conditions of Contract:

The Conditions of Contract *NEC 4 Engineering and Construction Contract Option B Priced Contract with the Bill of Quantities (June 2017)*

Copies of these Conditions of Contract may be obtained from:

Consulting Engineers South Africa (CESA)
P O Box 68482, Bryanston 2021, Johannesburg, South Africa
Balvenie Building, Kildrummy Office Park, c/o Witkoppen and Umhlanga Rd, Paulshof, Johannesburg
Tel: +27 11 463 2022
Cell: 073 422 0680
Email: [blessings@cesa.co.za](mailto: blessings@cesa.co.za)
Fax: 086 668 3539 or (011) 463 7383

The Annexes and Forms bound in the Conditions of Contract shall not apply and shall be replaced with the documentation bound into this tender document.

The Conditions make reference to the Appendix to Tender and Particular Conditions (contained in the Contract Data) which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the General Conditions of Contract.

The Conditions of Contract shall be read in conjunction with the variations, amendments and additions set out in the Contract Specific Data below. Each item of data given below is cross-referenced to the clause in the NEC4 to which it mainly applies.

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1.2.2 APPENDIX TO CONDITIONS OF CONTRACT

Part 1: Contract Data Provided by the Employer:

The following contract specific data are applicable to this Contract and substitute / supplement the specific text referenced in the clause but are to be read together with the remaining un-substituted text unless the entire clause is replaced.:

The Conditions of Contract are the **NEC 4 Engineering and Construction Contract Option B Priced Contract with the Bill of Quantities (June 2017)** Copies of these documents may be obtained from the **South African Association of Consulting Engineers (011) 463 2022**

Each item of data given below is cross-referenced to the clause in the NEC 4 Engineering and Construction Contract Option B Priced Contract with the Bill of Quantities to which it mainly applies.

PART 1: DATA PROVIDED BY THE EMPLOYER

CLAUSE	DESCRIPTION	COMMENT
1	General	The conditions of contract are the core clauses and the clauses for the main Option B, Dispute resolution Option W1 and secondary Options X1, X2, X7, X13, Z of the NEC4 Engineering and Construction Contract June 2017.
		DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY AT KING SABATA DALINDYEBO MUNICIPALITY IN MTHATHA
		The Employer is: Coega Development Corporation (Pty) Ltd Address (physical): Cnr. Alcoyn & Zibuko Streets Zone 1, Coega SEZ GQEBERHA (PORT ELIZABETH) 6000 Address (postal): Private Bag X 6009 GQEBERHA (PORT ELIZABETH) 6000 email: VAT registration number: 403 011 9947
		The Project Manager is: LDM Consulting (Pty) Ltd
		The Supervisor is: To be confirmed

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CLAUSE	DESCRIPTION	COMMENT
		The Adjudicator is: is the person appointed by the Association of Arbitrators, 3rd Floor, Sandown House, Norwich Close, JHB. Tel +27118849164 Email June@arbitrators.co.za
		The Works Information is in Section C4
		The Site information is in the briefing annexures
		The boundaries of the site are identified in the site information
		The language of this contract is English
		The law of the contract is South African Law
		The period for reply is one (1) calendar week
		The tribunal is the Association of Arbitrators Southern Africa
3	Time	The starting date is date of the Project Kick Off Meeting, to be scheduled upon submission of all the documents outlined in the letter of appointment
		The access dates are to be identified in the approved programme.
		The contractor submits revised programmes at intervals no longer than 1 (one) calendar month
		The completion date for the whole works is twenty four (24) calendar months post the contract award date
		The Employer is willing to take over the works before the Completion date
		The Contractor is to submit a first programme for acceptance within four (four) weeks of the Contract Date.
4	Quality Management	The defects liability period is twelve (12) months after Completion of the whole of the works
		The defects correction period is four (4) weeks
5	Payment	The currency of this contract is the South African Rands (ZAR)
		The assessment interval is thirty (30) calendar days
		The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing to the State, and will be the rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed

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CLAUSE	DESCRIPTION	COMMENT
		Rate of Interest Act, 1975 (Act No 55 of 1975), calculated as simple interest, in respect of debts owing by the State.
		If the period in which payments are made is not three weeks and Y(UK)2 is not used Not applicable
6	Compensation Events	The place where weather is to be recorded is Mthatha, Eastern Cape.
		The weather measurements to be recorded for each calendar month are Weather averages Monthly average temperature Rainfall and rain days Monthly average rainfall Snowfall and snow days Monthly average snowfall Max and average wind speed and gusts Pressure Monthly average pressure Cloud and humidity UV index Monthly average UV Sun hours and days Monthly average sun hours and days Visibility
		The weather measurements are supplied by www.worldweatheronline.com
		The weather data are the records of past weather measurements for each calendar month which were recorded at Mthatha, and which are available from as an annexure within the site information
		Where no recorded data are available Not applicable
8	Liabilities and insurance	These are additional Employers risks 1. The employer is to ensure the town planning requirements are completed to the satisfaction of the local authority.
		The minimum limit of indemnity for insurance in respect of loss of or damage to property (except the works, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the Contractor) caused by activity in connection with this contract for any one event is R10m with 5% deductible
		The minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the Contractor arising out of and in course

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CLAUSE	DESCRIPTION	COMMENT
		of their employment in connection with this contract for any one event is R20m.
		If the Employer is to provide Plant and Materials Not applicable
		If the Employer is to provide any of the insurances stated in the insurance Table Not applicable
		If additional insurances are to be provided The Employer provides these additional insurances Not Applicable
9	Termination	Applicable
	Resolving and Avoiding Disputes	If the tribunal is arbitration, the arbitration procedure is to utilize the rules as published by the Association of Arbitrators Southern Africa
		The place where arbitration is to be held is GQEBERHA (PORT ELIZABETH)
		The person or organization who will choose an arbitrator if the Parties cannot agree a choice or if the arbitration procedure does not state who selects an arbitrator, it is the person appointed by The Association of Arbitrators, 3rd Floor, Sandown House, Norwich Close, JHB. Tel +27118849164 Email June@arbitrators.co.za
	Method of Measurement	The method of measurement is Standard System of Measuring Building Work in South Africa (The latest)
W	Option W1	Applicable
W	Option W2	Not applicable
X1	Price Adjustment for Inflation	The proportions used to calculate the price adjustment factors are stated below;
		All pricing shall be fixed for the first 12 months after the tender closing date. The contractor allow escalation/ inflation on the rates for this period. The Base date for indices is "12 Months after the tender closing date" Price adjustment after "the first 12 months of the tender closing date" for inflation is/ will be in accordance with the JBCC Contract Price

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CLAUSE	DESCRIPTION	COMMENT
		Adjustment Provisions CPAP Indices Application Manual as calculated and published by Stats SA and distributed through JBCC (The latest JBCC)
X2	Changes in Law	Applicable
X3	Multiple Currencies	Not Applicable
X4	Ultimate Holding Company Guarantee	Not applicable
X5	Sectional Completion	The works shall be divided as follows: Section 1 - Main Clinic Building including related site and external works (Date: 18 Months after site handover) Section 2 – The rest of the works (Date: 24 Months after site handover) The Contractor shall execute and complete the Works in two distinct Sections, as specified in the Contract Data. Section 1 shall be fully completed and certified as complete by the Project Manager prior to the commencement of any physical Works on Section 2. This sequence of work is critical to the Employer's operational and programme requirements. The Contractor's programme shall clearly demonstrate this sequence of execution and shall comply fully regarding compliance, submission, acceptance and updates. Any proposed reallocation or movement of resources between Sections shall require the prior written approval of the Project Manager. Program: Contractor's programme must show the order of work, including sectional completions stated.
X6	Bonus for early completion	Not Applicable
X7	Delay Damages	Delay damages for completion of the whole of the works are 4c per a R100 on for total contract value per calendar day. On sectional completion, the total value shall be determined by the project quantity surveyor and employer in the calculation per section.
X12	Multiparty Collaboration	Not Applicable
X13	Performance Bond	The amount of the performance bond is 10% of the total contract value
X14	Advanced Payment to the Contractor	Not Applicable
X15	The Contractor's Design	Not applicable
X16	Retention	If Option X13 is used Not applicable

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CLAUSE	DESCRIPTION	COMMENT
X17	Low Performance Damages	Not applicable
X18	Limitation of Liability	Not applicable
X20	Key Performance Indicators	Not applicable.
Y(UK)1	Project Bank Account	Not applicable
Y(UK)2	The Housing Grants, Construction and Regeneration Act 1996	Not Applicable
Y(UK)3	The Contracts (Rights of Third Parties) Act 1999	Not Applicable
Z	Additional Conditions of Contract	The Additional Conditions of Contract are:
Z1		In the event that the contractor, due to causes of his own making, fails to achieve the targets set out in his construction programme and his performance is not in accordance with the contract, payment of the time related P&G will be paid in proportion to the value of the monthly progress payment and not in accordance with the projected cash flow for this item. The project manager shall review the status quo and revert to paying the contractor in accordance with the contract once the contractor has demonstrated improvement of their performance and the project manager is satisfied that the contractor is performing diligently. Similarly, the full amount of the fixed portion of the P&G will be paid only once the successful contractor has fully complied with deliverables under this section.
Z2		The tenderer should provide the client with an indicative cashflow projection outlining the progress targets of which they intent to claim. The document is to be submitted within four (4) weeks of the start date.
Z3		Clause 5 Amended - The employer shall pay to the contractor the amount certified in interim assessments within thirty (30) calendar days of the date of issue of the assessment or the contractors tax invoice whichever is the later date
Z4		The Bills of Quantities shall only be used as a pricing tool and does not supersede the works information, site information and drawings. All works to be executed on site shall be in accordance with drawings and site instructions. The actual works executed on site will be re-measured and adapted to the items outlined within the BoQ. Refer to clause 56.1.
Z5		Tenderers are required to price all individual items in the preliminary and general section of the bill of quantities and should not lump the

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CLAUSE	DESCRIPTION	COMMENT
		items into a single sum or amount. This fully priced schedule must be included as part of the priced bill of quantities returnable with tender submission. This pricing requirement shall also apply to all items for EPWP (Expanded Public Works Programme) and Health & Safety in the bill of quantities. Refer to Health and Safety Specification. In general tenderers shall ensure that their bid price includes for the provision of all requirements in terms of the construction regulations and health and safety requirements
Z6		The tenderer shall be briefed on the restrictions of movement, servitudes, access control, buildings in use, security requirements and security clearances, working hours due to the site being always occupied and under the employer's control. The contractor shall not extend his operations into any restricted or undefined areas. The contractor shall ensure that all personnel and subcontractors engaged on the contract and those visiting the site have the necessary police and security clearances prior to such persons being brought on to site. Any persons found to be non-compliant shall not be allowed entry to the site. All costs associated with the verification of personnel to meet this requirement shall be borne by the contractor. The employer shall have unrestricted and continuous access to the works due to the statutory classification of the site and its operations. This arrangement shall be coordinated and agreed upon by all parties prior to the handover of the site to the contractor. A steering committee comprising representatives of the employer, the principal agent, the contractor and any other nominated or required party shall be set up to ensure that the contractors' operations are unhindered. Work shall be carried out during normal working hours. Any extended times or approval or overtime work shall be considered and approved by the steering committee. The contractor shall comply with the employers' rules for the control of delivery of materials and goods into the site and for the removal of such items from the site.
Z7		There shall be no lien or right of retention held by any contractor in respect of the works executed on site.
Z8		In addition to clause 26.2, the sub-contractors under the contractor to have a minimum professional indemnity cover based on the value of the discipline they represent. This is to be approved by the project

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CLAUSE	DESCRIPTION	COMMENT
		manager. Professional liability insurance value not less than R 3million in respect of each claim, without limit to the number of claims. Period of Liability: 5 years or count from completion certification
Z9		The wording of clause 60.4 is hereby altered. A difference between the final total quantity of work done and the quantity stated for an item in the Bill of quantities is a compensation event if: (excluding provisional items) The difference is only as a direct result of a change to the works information. The difference, if only as a direct result of a change to the works information, causes the Defined Cost per unit of quantity to change, The rate in the Bills of quantities for the item multiplied by the final total quantity of work done is more than 0.5% of the total of the prices at the contract Date.
Z10		Local content will not be assessed during the evaluation process as exact quantities / types of materials are not known at the time of closing of bids. However, the successful bidder will be required to complete statutory declarations, on the SBD 6.2 and SATS1286:2011 Annexure C documents, prior to site construction activities commencing.
Z11		The contractor shall ensure that he allocates a minimum of 36% of the value of the works to local subcontractors, suppliers and labour in accordance with the employer's contract participation targets set out in the Contract Price Goal schedule of requirements. Failure to achieve the agreed targets will result in the contractor being penalized accordingly. Refer to Form K.

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1.3.1 PERFORMANCE GUARANTEE

Brief description of Contract: **CDC/444/26 - DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY IN KING SABATA DALINDYEBO MUNICIPALITY IN MTHATHA**

Name and address of Beneficiary, Coega Development Corporation (Pty) Ltd
Corner Alcyon Road & Zibuko Street, Zone 1, Coega SEZ, GQEBERHA, 6100
Private Bag X6009, GQEBERHA, 6000
(whom the Contract defines as the Client).

We have been informed that (hereinafter called the "Principal") is your contractor under such Contract, which requires him to obtain a performance security.

At the request of the Principal, we (*name of bank*) hereby irrevocably undertake to pay you, the Beneficiary/Client, any sum or sums not exceeding in total the amount of (the "guaranteed amount", say:) upon receipt by us of your demand in writing and your written statement stating:

- (a) that the Principal is in breach of his obligation(s) under the Contract, and
- (b) the respect in which the Principal is in breach.

Following the receipt by us of an authenticated copy of the taking-over certificate for the whole of the works under clause 10 of the Main Contract, such guaranteed amount shall be reduced to 25% of the above guaranteed amount and we shall promptly notify you that we have received such certificate and have reduced the guaranteed amount accordingly.

Any demand for payment must contain your directors' signature(s) which must be authenticated by your bankers or by a notary public. The authenticated demand and statement must be received by us at this office on or before (*the date 70 days after the expected expiry of the Defects Notification Period for the Works*) (The "expiry date"), when this guarantee shall expire and shall be returned to us.

We have been informed that the Beneficiary may require the Principal to extend this guarantee if the performance certificate under the Contract has not been issued by the date 28 days prior to such expiry date. We undertake to pay you such guaranteed amount upon receipt by us, within such period of 28 days, of your demand in writing and your written statement that the performance certificate has not been issued, for reasons attributable to the Principal, and that this guarantee has not been extended.

This guarantee shall be governed by the laws of South Africa.

Date Signature(s)

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C1.3.2 AGREEMENT IN TERMS OF THE OHS ACT, 1993 (ACT NO 85 OF 1993)

THIS AGREEMENT made at

on this the day of in the year

between Coega Development Corporation (Pty) Ltd (hereinafter called "the Employer") of the one part, herein represented by

in his capacity as

and

(hereinafter called "the Mandatory") of the other part, herein represented by

.....

in his capacity as

WHEREAS the Employer is desirous that certain works be constructed, viz **"CONTRACT NO. CDC/444/26 - DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF EXISTING FACILITY IN KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA"** and has accepted a Tender by the Mandatory for the construction, completion and maintenance of such Works and whereas the Employer and the Mandatory have agreed to certain arrangements and procedures to be followed to ensure compliance by the Mandatory with the provisions of the Occupational Health and Safety Act, 1993 (Act 85 of 1993);

NOW THEREFORE THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. The Mandatory shall execute the work according to the Contract Documents pertaining to this Contract.
2. This Agreement shall hold good from its Commencement Date, which shall be the date of a written notice from the Employer or Principal Agent requiring him to commence the execution of the Works, to either
 - (a) the date of the Performance Certificate issued in terms of Sub-Clause 11.9 of the Conditions of Contract (FIDIC 2017), as contained in Contract Data of the Contract Documents pertaining to this Contract, or
 - (b) the date of termination of the Contract in terms of Clauses 15, 16 or 17 of the Conditions of Contract (FIDIC 2017).
 - (c) the date of termination of the Contract by whatever means
3. The Mandatory declares himself to be conversant with the following:
 - (a) All the requirements, regulations and standards of the Occupational Health and Safety Act (Act 85 of 1993), hereinafter referred to as "The Act", together with its amendments and with special reference to the following Sections of The Act:

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- (i) Section 8 : General duties of employers to their employees;
 - (ii) Section 9 : General duties of employers and self-employed persons to persons other than employees;
 - (iii) Section 37 : Acts or omissions by employees or mandatories, and
 - (iv) Sub-section 37(2) relating to the purpose and meaning of this Agreement.
 - (b) The procedures and safety rules of the Employer as pertaining to the Mandatory and all their subcontractors.
-
- 4. The Mandatory agrees to execute all the Works forming part of this Contract and to operate and utilise all machinery, plant and equipment according to the Act.
 - 5. The Mandatory is responsible for compliance with the Act by all his subcontractors, whether or not selected and/or approved by the Employer.
 - 6. The Mandatory warrants that all his and his subcontractors' workmen are covered in terms of the Compensation for Occupational Injuries and Diseases Act, 1993 which cover shall remain in force whilst any such workmen are present on site. A letter of good standing from the Compensation Commissioner to this effect must be produced to the Employer upon signature of the agreement.
 - 7. The Mandatory undertakes to ensure that he and/or subcontractors and/or their respective employers will at all times comply with the following conditions:
 - (a) The Mandatory shall assume the responsibility in terms of Section 16.1 of the Occupational Health and Safety Act. The Mandatory shall not delegate any duty in terms of Section 16.2 of this Act without the prior written approval of the Employer. If the Mandatory obtains such approval and delegates any duty in terms of section 16.2 a copy of such written delegation shall immediately be forwarded to the Employer.
 - (b) All incidents referred to in the Occupational Health and Safety Act shall be reported by the Mandatory to the Department of Employment Labour as well as to the Employer.
 - (c) The Employer will further be provided with copies of all written documentation Relating to any incident
 - (d) The Employer hereby obtains an interest in the issue of any formal inquiry conducted in terms of section 32 of the Occupational Health and Safety Act into any incident involving the Mandatory and/or his employees and/or his subcontractors.



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In witness thereof the parties hereto have set their signatures hereon in the presence of the subscribing witnesses:

SIGNED FOR AND ON BEHALF OF THE EMPLOYER:

WITNESS 1 2

NAME 1 2
(IN CAPITALS)

SIGNED FOR AND ON BEHALF OF THE MANDATORY:

WITNESS 1..... 2

NAME 1 2
(IN CAPITALS)

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C1.3.3 CERTIFICATE OF AUTHORITY FOR SIGNATORY TO AGREEMENT

CERTIFICATE OF AUTHORITY FOR SIGNATORY TO AGREEMENT IN TERMS OF OHS ACT (85 OF 1993)

The signatory for the company that is the Contractor in terms of the above-mentioned Contract and the Mandatory in terms of the above-mentioned Act shall confirm his or her authority thereto by attaching to this page a duly signed and dated copy of the relevant resolution of the Board of Directors.

An example is given below:

"By resolution of the Board of Directors passed at a meeting held on 202....., Mr/Ms

..... whose signature appears below, has been

duly authorised to sign the AGREEMENT in terms of THE OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT
85 of 1993) on behalf of

..... SIGNED ON

BEHALF OF THE COMPANY :

.....

IN HIS/HER CAPACITY AS :

DATE :

SIGNATURE OF SIGNATORY :

WITNESS: 1 2.....

NAME (in capitals): 1 2.

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C1.4 SCHEDULE OF DEVIATIONS

Notes:

1. The extent of deviations from the tender documents issued by the employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A bidder's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

SUBJECT

Details

SUBJECT

Details

SUBJECT

Details

SUBJECT

Details

SUBJECT

Details

By the duly authorised representatives signing this agreement, the employer and the bidder agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the bidder and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the bidder of a completed signed copy of this agreement shall have any meaning or effect in the contract between the parties arising from this Agreement.



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FOR THE BIDDER:

Signature(s)

Names

Capacity

.....
(Name and address of organization)

Name and
signature of
witnesses

Date.....

.....

Date.....

FOR THE EMPLOYER:

Signature(s)

Names

Capacity

Coega Development Corporation (Pty) Ltd
Corner Alcyon and Zibuko Street
Coega SEZ Zone 1
Gqeberha
6001

Name and
signature of
witnesses

Date.....

.....

Date.....

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PART C2: PRICING DATA

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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C2.1 PRICING INSTRUCTIONS

1. GENERAL

The Schedule of Quantities forms part of the Contract Documents and must be read and priced in conjunction with all the other documents comprising the Contract Documents, which include the Conditions of Tender, Conditions of Contract, the Specifications (including the Project Specification) and the Drawings.

2. DESCRIPTION OF ITEMS IN THE SCHEDULE

Descriptions in the Schedules of Quantities are abbreviated and comply generally with those in the Applicable SANS 1200 Standardised Specifications Clause 8 of each Standardised Specification, read together with the relevant clauses of the Scope of Work, set out what ancillary or associated activities are included in the rates for the operations specified. Should any requirements of the measurement and payment clause of the applicable Standardised Specification, or the Scope of Work, conflict with the terms of the Schedule, the requirements of the Standardised Specification or Scope of Work, as applicable, shall prevail.

3. QUANTITIES REFLECTED IN THE SCHEDULE

The quantities set out in the Schedules of Quantities are the estimated quantities of the Contract Works, but the Contractor will be required to undertake whatever quantities may be directed by the Employer's Agent from time to time. The Contract Price for the completed contract shall be computed from the actual quantities of work done, valued at the relevant unit rates and prices.

The validity of the contract will in no way be affected by differences between the quantities in the Schedule of Quantities and the quantities finally certified for payment.

4. PROVISIONAL SUMS

Where Provisional sums or Prime Cost sums are provided for items in the Schedule of Quantities, payment for the work done under such items will be made according to the actual cost of these works, quotations will be provided by the Contractor for approval prior to executing such works. The Employer reserves the right, during the execution of the works, to adjust the stated amounts upwards or downwards according to the work done under the item, or the item may be omitted altogether, without affecting the validity of the Contract.

The bidder shall not under any circumstances whatsoever delete or amend any of the sums inserted in the "Amount" column of the Schedule of Quantities and the Summary of the Schedule of Quantities unless ordered or authorised in writing by the Employer before closure of tenders. Any unauthorised changes made by the bidder to provisional items in the schedule, or to the provisional percentages and sums in the Summary of the Schedule of Quantities, will be treated as arithmetical errors.

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5. PRICING OF THE SCHEDULE OF QUANTITIES

The prices and rates to be inserted by the bidder in the Schedule of Quantities shall be the full inclusive prices to be paid by the Employer for the work described under the respective items, and shall include full compensation for all costs and expenses that may be required in and for the completion and maintenance during the defects liability period of all the work described and as shown on the drawings as well as all overheads, profits, incidentals and the cost of all general risks, liabilities and obligations set forth or implied in the documents on which the Tender is based.

Each item shall be priced and extended to the "Total" column by the bidder, except the items for which only rates are required, or items which already have Prime Cost or Provisional Sums affixed thereto. If the Contractor omits to price any items in the Schedule of Quantities, then these items will be considered to have a nil rate or price.

All items for which terminology such as "inclusive" or "not applicable" have been added by the bidder will be regarded as having a nil rate which shall be valid irrespective of any change in quantities during the execution of the Contract.

The bidder shall fill in rates for all items where the words "rate only" appear in the "Total" column. "Rate Only" items have been included where:

- (a) an alternative item or material is contemplated;
- (b) variations of specified components in the make-up of a pay item may be expected; and
- (c) no work under the item is foreseen at the tender stage but the possibility that such work may be required is not excluded.

For "Rate Only" items no quantities are given in the "Quantity" column, but the quoted rate shall apply in the event of work under this item being required. The bidder shall however note that in terms of the Tender Data, the bidder may be asked to reconsider any such rates which the Employer may regard as unbalanced.

All rates and amounts quoted in the Schedule of Quantities shall be in rands and cents and shall include all levies and taxes (other than VAT). VAT will be added to the summary of the Schedule of Quantities.

6. CORRECTION OF ENTRIES

Incorrect entries shall not be erased or obliterated with correction fluid but must be crossed out neatly. The correct figures must be entered above or adjacent to the deleted entry, and the alteration must be initialled by the bidder.

7. ARITHMETICAL ERRORS

Arithmetical errors found in the Schedule of Quantities as a result of faulty multiplication or addition will be corrected by the Quantity Surveyor at the tender evaluation stage.

8. UNIT OF MEASUREMENT

The units of measurement described in the Schedule of Quantities are metric units for which the standard international abbreviations are used. Abbreviations, which may appear in the Schedule of Quantities, are as follows:

No.	=	Number
%	=	Percent
Sum	=	Lump sum
PC sum	=	Prime cost sum
Prov sum	=	Provisional sum
m	=	Meter
m ²	=	Square Meter
m ³	=	Cubic Meter
t	=	Ton
kg	=	Kilogram
L	=	Litre
lot	=	Lot (complete)
Month	=	Month
ML	=	Mega litres

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EXISTING FACILITY AT KING SABATA DALINDYEBO MUNICIPALITY IN MTHATHA**

Note to Engineer

Failure, by the Bidder, to price the items indicated below individually or per item will result in the Tender being deemed non-responsive. The legal requirements contemplated in the Construction Regulations (CR) 5(1)(g):

"A Client must ensure that potential principal contractors submitting tenders have made adequate provision for the cost of health and safety measures" and CR 5(1)(h)

"A client must ensure that the principal contractor to be appointed has the necessary competencies and resources to carry out the construction work safely"

Shall apply and will be used to motivate the disqualification of the Tender. The contractor's attention is further drawn to Section 41 of the **Occupational Health and Safety Act and Regulations, (Act 85 of 1993): This Act is not affected by agreements.**

Subject to the provisions of Sections 10 (4) and 37 (2), a provision of this Act or a condition specified in any notice or direction issued there under or subject to which exemption was granted to any person under Section 40, shall not be affected by any condition of any agreement, whether such agreement was entered into before or after the commencement of this Act or before or after the imposition of any such condition, as the case may be.

Note to Principal Contractor

Prior to pricing the principal contractor **must familiarise him/herself** with the **Occupational Health and Safety Act and Regulations, (Act 85 of 1993), Construction Regulations 2014, other relevant Regulations and Standards as well as project-specific Safety, Health & Environmental Specifications.**

Note to Principal Contractor and Engineer

After pricing the Health and Safety Schedule of Quantities, the **Contractor** must sign the **Certificate of Acquaintance** as evidence that he is up to date regarding the contents, obligations and demands of the **Occupational Health and Safety Act and Regulations, (Act 85 of 1993), Construction Regulations 2014, other relevant Regulations and Standards as well as project-specific Safety, Health, and Environmental Specifications.** Failure, by the Bidder, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive.

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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C2.1 PRICING INSTRUCTIONS

1. The Bills of Quantities comprise items covering the Contractor's profit and costs of general liabilities and of the construction of all Temporary and Permanent Works.

Although the Tenderer is at liberty to insert a rate of his own choosing for each item in the Bills of Quantities, he should note the fact that the Contractor is entitled, under various circumstances, to payment for additional work carried out and that the Project Manager/Employer is obliged to base his assessment of the rates to be paid for such additional work on the rates the Contractor inserted in the Bills of Quantities.

2. Descriptions in the Bills of Quantities may differ from those in the Standardized and Project Specifications. The descriptions and specifications in the Bills of Quantities will however take preference over these specifications. The Bills of Quantities have been drawn up generally in accordance with the latest issue of Standard System of Measuring Building Work ¹. Should any requirement of the measurement and payment clause of the appropriate Standardized or Project Specification(s) be contrary to the terms of the Bills of Quantities or, when relevant, to the Standard System of Measuring Building Work, the requirement of the Standard System of Measuring Building Work shall prevail.
3. Unless stated to the contrary, items are measured net in accordance with the Drawings without any allowance having been made for waste.
4. The amounts and rates to be inserted in the Bills of Quantities shall be the fully inclusive amounts to the Employer for the work described under the several items. Such amounts will cover all the costs and expenses that may be required in and for the construction of the work described, and shall cover the costs of all general risks, profits, taxes (but excluding value-added tax), liabilities and obligations set forth or implied in the documents on which the Tender is based.
5. An amount or rate shall be entered against each item in the Bills of Quantities, whether or not quantities are stated. An item against which no amount or rate is entered will be considered to be covered by the other amounts or rates in the Bills of Quantities.

The Tenderer shall also fill in a rate against the items where the words "rate only" appear in the amount column. Although no work is foreseen under these items and no quantities are consequently given in the quantity column, the tendered rates shall apply should work under these items actually be required.

Should the Tenderer group a number of items together and tender one sum for such a group of items, the single tendered sum shall apply to that group of items and not to each individual item, or should he indicate against any item that full compensation for such item has been included in another item, the rate for the item included in another item shall be deemed to be nil.

The standard system of measurement of building work published by the Association of South African Quantity Surveyors.

The tendered rates, prices and sums shall, subject only to the provisions of the Conditions of Contract, remain valid irrespective of any change in the quantities during the execution of the Contract.

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6. The quantities of work measured and accepted and certified for payment in accordance with the Conditions of Contract, and not the quantities stated in the Bills of Quantities, will be used to determine payments to the Contractor. The validity of the Contract shall in no way be affected by differences between the quantities in the Bills of Quantities and the quantities certified for payment.

Ordering materials is **not** to be based on the Bills of Quantities, but only on information issued for construction purposes.

7. For the purposes of this Bills of Quantities, the following words shall have the meanings hereby assigned to them:

Unit:	The unit of measurement for each item of work as defined in the Standard System of Measuring Builders Work
Quantity:	The number of units of work for each item
Rate:	The payment per unit of work at which the Tenderer tenders to do the work
Amount:	The quantity of an item multiplied by the tendered rate of the (same) item
Item or Sum:	An amount tendered for an item or sum, the extent of which is described in the Bills of Quantities, the Specifications or elsewhere, but of which the quantity of work is not measured in units

8. The units of measurement indicated in the Bills of Quantities are metric units. The following abbreviations may appear in the Bills of Quantities:

Item - 1 off

No - Units measure in Number

mm - Millimetre

m - Metre

Km - Kilometre

m² - Square metre

m³ - Cubic Metre

m³-km - Metre kilometre

T - Ton - 1000 Kg

PC Sum - Prime cost sum

Prov. Sum - Provisional Sum

9. The Tenderer shall enter extended totals for each summary page and final summary in the Bills of Quantities in **black ink**.

10. These Bills of Quantities contain pages numbered consecutively in each Bill as indicated in the Index. Before the Contractor submits his Tender he should check the number of pages in every Bill and if any are found missing or duplicated, or the figures or writing indistinct, or the Bills of Quantities contain any obvious errors, he should apply to the Principal Agent at once and have same rectified, as no liability whatsoever will be admitted by the Principal Agent in the respect of errors in the Tender due to the foregoing.

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11. No alteration, erasure or addition is to be made in the text of the Bills of Quantities. Should any alteration, erasure or addition be made, it will not be recognized but the original wording of the Bills of Quantities will be adhered to
12. Quantities were indicated as provisional are measured provisional and are subject to re- measure on completion of the project.
13. The totals (Value Added Tax excluded) on the sectional summaries are to be transferred to the Final Summary of the Bills of Quantities for inclusion in the Total Tender Sum.
14. Completed Bills of Quantities for all trades clearly filled in, legible and in permanent ink are to be submitted with the tender offer

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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C2.2 PRICING SCHEDULE

See Schedule of Quantities:

DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
EXISTING FACILITY AT KING SABATA DALINDYEBU MUNICIPALITY IN MTHATHA

C2.3 CERTIFICATE OF ACQUAINTANCE WITH TENDER DOCUMENTS

Name of Company _____

I/We _____

Hereby certify that I/we acquainted ourselves with the Health and Safety Act 85 of 1993 as well as the Construction Regulations, 2014 and all conditions contained herein as laid down by the State for the carrying out of construction work for which I/We submit our response.

I/We further agree that the State shall recognise no claim from me/us for relief based on allegations that I/We overlooked any tender requirements or failed to take into account the purpose of completing the documentation as required.

Signed at _____ On this _____ Day of _____ 20 _____

WITNESS (signature)

NAME IN BLOCK LETTERS

For and on behalf of Contractor

Contractor Signature

ID of Signatory

**DEVELOP AND CONSTRUCT PROJECT FOR NTSHELE CLINIC REPLACEMENT OF
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BILLS OF QUANTITIES

Item No		Quantity	Rate	Amount
	<u>BILL 1</u>			
	<u>PRELIMINARIES NOTES</u>			
	i) The NEC4 Engineering and Construction Contract - Option B: Priced contract with bill of quantities (June 2017) in conjunction with the Contract Data is taken to be incorporated herein.			
	ii) The Tenderer is deemed to have taken cognizance of the above mentioned documents for the full intent and meaning of each clause. These clauses are referred to by clause number and heading only.			
	iii) Where standard clauses or options are not applicable to this contract such modifications, corrections or supplements as are necessary, are given under each relevant clause.			
	iv) Where any items are not used for this specific contract such items are nevertheless listed but marked not applicable in the amount column.			
	v) The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.			
	vi) Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in (v) but taking into account the revised period for completing the works.			
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA			

	Brought Forward		R	
vii)	The amount or the items of the Preliminaries are adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments are based on adjustments in the following categories as recorded in the Bill of Quantities:			
a)	an amount which is not varied, namely Fixed.			
b)	an amount which is varied in proportion to the contract value, namely Value Related; and			
c)	an amount which is varied in proportion to the construction period as compared to the initial construction period excluding revisions to the construction period for which the contractor is not entitled to adjustment in terms of the contract, namely Time Related.			
viii)	Where no provision is made in the Bill of Quantities to indicate which of the three categories in (vii) apply or where no selection is made, the adjustments shall be based on the following breakdown:			
a)	10 percent is Fixed;			
b)	15 percent is Value Related			
c)	75 percent is Time Related			
ix)	The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.			
x)	Items not priced in these preliminaries are deemed to be included elsewhere in this bill of quantities			
	Carried Forward		R	
Section No. 1 Bill No. 1 Preliminaries & General COEGA				

Brought Forward			R
<u>SECTION A: CORE CLAUSES</u> Refer to the tender document for any amendments and including this section. Additional clauses have also been added on this section.			
1	FIXED RELATED PRELIMINARIES - Applicable to all clauses of the NEC4 used on this contract including amendments	Item	1.00
2	VALUE RELATED PRELIMINARIES - Applicable to all clauses of the NEC4 used on this contract including amendments	Item	1.00
3	TIME RELATED PRELIMINARIES - Applicable to all clauses of the NEC4 used on this contract including amendments	Item	1.00
<u>GENERAL (A1)</u>			
4	Clause 1.0 F:..... V:..... T:.....	Item	1.00
<u>THE CONTRACTOR'S MAIN RESPONSIBILITIES (A2)</u>			
5	Clause 2 The contractor must provide and keep a copy of the NEC4 Engineering and Construction Contract - Option B: Priced contract with bill of quantities applicable to this contract and a copy of the Procurement Document on the site, to which the Project Manager and Supervisor have access at all times. F:..... V:..... T:.....	Item	1.00
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries & General COEGA			

Ntshele Clinic Replacement of Existing Facility

	Brought Forward			R	
	<u>TIME (A3)</u>				
6	Clause 3.0				
	F:..... V:..... T:.....	Item	1.00		
	<u>QUALITY MANAGEMENT (A4)</u>				
7	Clause 4.0				
	F:..... V:..... T:.....	Item	1.00		
	<u>PAYMENT (A5)</u>				
8	Clause 5.0				
	Clause 5.0 is amended by the addition of the following clause:				
	Materials and goods stored off site are not included in the amount authorised for payment.				
	F:..... V:..... T:.....	Item	1.00		
	<u>COMPENSATION EVENTS (A6)</u>				
9	Clause 6.0				
	F:..... V:..... T:.....	Item	1.00		
	<u>TITLE (A7)</u>				
10	Clause 7.0				
	F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>LIABILITIES AND INSURANCE (A8)</u>				
11	Clause 8.0				
	F:..... V:..... T:.....	Item	1.00		
	<u>TERMINATION (A9)</u>				
12	Clause 9.0				
	F:..... V:..... T:.....	Item	1.00		
	<u>SECTION B: MAIN OPTION CLAUSES</u>				
	<u>PRICED CONTRACT WITH BILL OF QUANTITIES (B1)</u>				
13	Clause 10.0				
	The quantities in provisional bills of quantities are an indication of the works to be executed and are subject to remeasurement.				
	F:..... V:..... T:.....	Item	1.00		
	<u>SECTION C: DISPUTE RESOLUTION</u>				
	<u>OPTION W1 (C1)</u>				
14	Clause 11.0				
	F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>SECTION D: SECONDARY OPTION CLAUSES</u>				
	<u>X1 PRICE ADJUSTMENT FOR INFLATION (D1)</u>				
15	Clause 12.0 Clause 12.0 is amended by the addition of the following clause: All pricing shall be fixed for the first 12 months after site handover date. The contractor should allow escalation/ inflation on the rates for this period. F:..... V:..... T:.....	Item	1.00		
	<u>X2 CHANGES IN THE LAW (D2)</u>				
16	Clause 13.0 F:..... V:..... T:.....	Item	1.00		
	<u>X3 MULTIPLE CURRENCIES (D3)</u>				
17	Clause 14.0 F:..... V:..... T:.....	Item	1.00		Not Applicable
	<u>X4 ULTIMATE HOLDING COMPANY GUARANTEE (D4)</u>				
18	Clause 15.0 F:..... V:..... T:.....	Item	1.00		Not Applicable
	<u>X5 SECTIONAL COMPLETION (D5)</u>				
19	Clause 16.0 F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>X6 BONUS EARLY OCCUPATION</u>				
20	EARLY OCCUPATION BY THE END USER OF THE MAIN CLINIC BUILDING The contractor is advised that the end user shall be provided with early occupation of the main clinic building (prior to the contractual practical completion as a beneficial occupation test run) for the purposes of fully functioning as a clinic including all related compliance certificates. The contractor shall complete the respective area so that the following is achieved: i) Premises to be ready for operations 60 days prior to date of completion of the sectional main building (all outstanding work and defects on the applicable sectional practical completion list, is to be complete in every respect 10 weeks prior to date of completion of the works as a whole or as instructed by the project manager) The phrase "ready for end user (Department of Health) to commence operations" shall mean that the state of the works shall be as follows : - Painting : generally complete - Floor vinyl : where necessary complete and dry - Ceilings including services : complete - Electrical installation : complete, but could be operating on temporary supply - Air-conditioning : ducts blown out and installation complete except commissioning (temporary ventilation required for tenants' workmen) - General security : premises must be secure, external doors fitted, back and side windows glazed, etc. - Toilets : facilities required for tenants' workmen - Fire fighting equipment : complete and commissioned - External access : adequate access must be provided and any driveways to the clinic shall be completed. - Roofs : complete and waterproofed - General : all in internal finishes complete. No scaffolding will be allowed on the premises. In the event that the contractor fails to achieve the early occupation dates referred to in the contractor, the Contractor shall be liable to pay to the Client, penalties				
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

Brought Forward as stated in the contract, for the period during which any tenancy remains, in the opinion of the project manager, incomplete. Sectional completion of general end user areas will only be achieved when each of such areas have, in the opinion of the project manager, reached a sufficient state of completion where the end user has continuous, secure and unimpeded use of the premises. ACCESS TO END USER AREAS The contractor is advised that any access required to achieve final completion in the end user area spaces after handover to the end user is to be arranged with the end user. Any additional costs incurred in connection with this requirement will not be entertained. F:..... V:..... T:.....	Item 1.00	R	
<u>SECTION E: ADDITIONAL PRELIMINARY CLAUSES</u> The following clauses are additional to, or augment the clauses contained in sections "A, B, C, D and the tender document" of these preliminaries.			
Carried Forward Section No. 1 Bill No. 1 Preliminaries & General COEGA		R	

	Brought Forward		R	
	<u>E1: UNAUTHORISED PERSONS ON SITE</u>			
21	The Contractor shall at all times strictly exclude all unauthorised persons from the works.			
	No workmen or labourers are to be allowed under any circumstances to sleep or deposit any kit on the premises. The Contractor must provide any necessary independent shelter or shed required for any labour of watchman left on the site.			
	Furthermore the Contractor shall take all measures necessary to insure that no workmen allowed into the building at any time after completion without the specific permission of Project Manager .			
	Suitable identification cards must be worn by all construction personnel including sub-contractors, at all times. These identification cards will be issued by the main contractor.			
	F:..... V:.....			
	T:.....	Item	1.00	
	Carried Forward		R	
	Section No. 1			
	Bill No. 1			
	Preliminaries & General			
	COEGA			

	Brought Forward			R	
	<u>E2: PRICING OF BILLS</u>				
22	Tenderers are to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement) patterns, models and templates, plant, temporary works, returning of packing, duties, taxes, imposts, establishment charges, overheads, profit and all other obligations arising out of the contract. Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the tenderer's omission to price any item will be entertained. Prices for all plant, temporary works, services and other items provided shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary. The Contractor shall "also" execute work during "overtime" hours as dictated by the specific requirements of this project and necessary in order to complete the project within the agreed construction period and shall provide such resources and work such overtime hours as necessary. Note that no work such as demolitions, breaking down of walls or any other work which will generate a noise level that would inconvenience any neighbouring occupants during normal working hours as referred to below will be allowed without notifying and agreeing the same with the project manager. The contractor should allow for this work to take place between 7:00am and 17:00pm. Costs for the execution of this work under these conditions shall be included within the tender submission. F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>E3: NATURE OF PROJECT IN RELATION TO PRICING</u>				
23	Tenderers are advised that the nature of this contract is such that the detail design will evolve in parallel with construction. The tenderer acknowledges that he is aware that planning and production of drawings are in the embryonic stage and that the appointments of Sub-contractors are yet to take place and that notwithstanding this, the rates and prices contained herein as well as the amounts allowed shall remain of full force and effect. F:..... V:..... T:.....	Item	1.00		
	<u>E4: COST OF CLAIMS</u>				
24	All costs incurred by the Contractor in the preparation of claims to the satisfaction of the Project Manager and/or Quantity Surveyor shall be borne by the Contractor F:..... V:..... T:.....	Item	1.00		
	<u>E5: DIRECT CONTRACTS</u>				
25	CLAUSE 5.1 : DIRECT AND SEPARATE CONTRACTS The Client shall have the right to employ other Contractors (hereinafter referred to as "Direct Contractors") to execute any special or other works whether contained in this Contract or not, concurrently with the work being executed under this Contract. In addition, the Client shall have the right to send on to the Works any electronic fittings, information technology work, furniture and furnishings and have same installed by his own employees or by Direct Contractors. The Contractor shall not be entitled to any percentage, profit or discount on the value of any work executed by "Direct Contractors" but shall nevertheless allow these Direct Contractors and the Client's employees to have access to the Works, allocate reasonable space in the				
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

Ntshole Clinic Replacement of Existing Facility

Brought Forward building for the storage of their materials, tools and equipment, and co-ordinate the work of and "attend upon" such Direct Contractors as necessary all to the satisfaction of the Project Manager. The Contractor shall allow the Direct Contractors, etc., to use, free of charge, the latrine accommodation and water and power supply of the site, and shall not in any way hinder or prevent the execution of their work The Contractor is to allow for any costs in connection with providing access for and coordinating and "attending upon" such Direct Contractors, etc., and for the use of the facilities stated above and no additional claim will be entertained due to the presence on the Works of such Direct Contractors Should the Contractor be required to make good after such Direct Contractors or to prevent jobbing, etc., the Contractor will be compensated for any costs incurred by him. Without in any way detracting from the generality of the above, Contractors are advised that the following works may be carried out by the Client and/or their direct Contractors and the value of such work is included in this Contract: • IT • Equipment and furniture, • Audio Visual equipment The contractor should allow for early occupation for the installation of these facilities, specifically computer room(s), to enable the direct contractors to finish their first and second fix items on or before practical / sectional completion. The final fix equipment will only be installed after practical completion for insurance purposes. A detailed schedule indicating the anticipated early occupation dates for the various items shall be agreed between the contractor and the project manager. F:..... V:..... T:.....	Item	1.00	R
Carried Forward Section No. 1 Bill No. 1 Preliminaries & General COEGA			R

	Brought Forward			R	
	<u>E6: MODE OF PROCEDURE</u>				
26	Notwithstanding anything to the contrary contained herein the project manager at all times reserves the right to direct the order in which the various parts of the works are to be executed. The contractor shall give priority to any individual section or portion of the works that, in the opinion of the project manager, requires to be expedited. Should the contractor and/or project manager be of the opinion that such instruction warrants a revision to the Contract Programme, then the provisions of Clause B9.12.6 hereof shall apply. Should it appear, in the project manager's opinion, that work in any area is not being executed in accordance with the requirements of the Programme, the contractor shall provide additional manpower and resources and shall work additional overtime and do everything else required to bring the work back to programme to the satisfaction of the project manager. F:..... V:..... T:.....	Item	1.00		
	<u>E7: CONFIDENTIALITY</u>				
27	The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings wherever necessary. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the Client F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

Brought Forward				R	
<u>E8: SITE INSTRUCTIONS</u>					
28	Contract instructions issued on site are to be recorded by the Project Manager in a Site Instruction Book which will be issued by the Project Manager and which shall be maintained on site. Only site instructions issued in such book shall be recognized F:..... V:..... T:.....	Item	1.00		
<u>E9: METHOD OF STATEMENT</u>					
29	The Tenderer shall produce, when required to do so by the project manager , a Method Statement outlining the methods of construction and labour and plant resources that he proposes to use in the execution of the works . Any approval given or observation made by the project manager shall not relieve the contractor of his sole responsibility to adopt the methods of construction and to provide the labour and plant resources necessary for the due and proper timeous execution of the works . F:..... V:..... T:.....	Item	1.00		
Carried Forward				R	
Section No. 1 Bill No. 1 Preliminaries & General COEGA					

	Brought Forward			R	
	<u>E10: OVERLOADING</u>				
30	The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works, e.g. scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc., to the project manager for their approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the project manager's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense. Notwithstanding any approval, comments or directions given by the Engineer the Contractor shall be entirely responsible for damage caused to the Works by overloading which damage shall be made good by the Contractor at his sole expense F:..... V:..... T:.....	Item	1.00		
	<u>E11: HANDOVER, GUARANTEES AND MAINTENANCE INSTRUCTION MANUALS</u>				
31	CLAUSE 11.1 : AS BUILT DRAWINGS Copies of the structural engineer's drawings showing the positions of construction breaks and the extent of individual concrete pours are to be maintained by the contractor for record purposes and are to be submitted to the structural engineers for their records, at the end of the project. The contractor shall be required to ensure that, at the end of the project, copies of the plumbing, drainage and fire services reticulation layouts, showing the position of main pipe runs, the positions of stopcocks and all other salient information, are submitted to the project manager. All such as built drawings are required to be lodged prior to the issue of the certificate of works completion CLAUSE 11.2 : GUARANTEES AND MAINTENANCE				
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

		Brought Forward		R	
		INSTRUCTIONS/MANUALS			
		The Contractor shall obtain and hand over to the Project Manager on practical completion any operating and maintenance instruction manuals data or instructions required by the Project Manager or provided by manufacturers, suppliers or Subcontractors The Contractor shall ensure that all warranties and guarantees received are fully ceded to the client on works completion, failing which, the issue of the works completion certificate and the release of construction guarantee, will be withheld until this is satisfactorily completed. The guarantees shall state that workmanship, materials and installations are guaranteed for a specified period reckoned from the date of practical completion of the works and that any defects in the workmanship, materials and installation that may arise during that period, shall be made good at the expense of the contractor / subcontractors doing the work, upon written notice from the project manager or the Client to do so. CLAUSE 11.3 : SECURITY AT COMPLETION At completion, the Contractor shall leave the works secure with all accesses locked. The Contractor shall account for and hand over to the project manager all keys, properly labelled with an itemised schedule to be signed by the project manager as receipt. F:..... V:..... T:.....	Item	1.00	
		<u>E12: GENERAL IN RESPECT OF SPECIALIST INSTALLATIONS</u>			
32		Note : The contractor is to ensure that the following requirements, as stated in the contractor documentation in respect of specialist equipment and services installations by specialist subcontractors under his control, are adhered to: CLAUSE 12.1 : TESTS AND INSPECTIONS PRIOR TO COMPLETION All specialist plant and equipment, subject to the project manager's sole discretion, is subject to acceptance			
		Carried Forward		R	
		Section No. 1 Bill No. 1 Preliminaries & General COEGA			

Brought Forward tests, which shall be arranged in the works of the subcontractor / supplier within 10 days of notification that such plant or equipment is available for testing. The contractor shall inform the project manager in writing, indicating the exact dates for these acceptance tests during the course of the last month of manufacture of such plant or equipment. In the event that the project manager or his representatives cannot witness such tests, the client may: i) appoint a specialist inspection organisation to witness such tests at his Expense on behalf of the project manager or his representatives. OR ii) accept the subcontractors certificate testifying as to the quality and Performance of the specialist plant / equipment so supplied. Should no inspection have been made by the date indicated by the subcontractor as set out above, the equipment will be deemed as accepted and packed accordingly for delivery. The final acceptance will take place on site in the presence of the subcontractor responsible for the commissioning of the equipment. The project manager representative shall also be present. The contractor shall demonstrate to the project manager the full scope of operation of the installation and shall ensure that he is satisfied that the project manager is fully aware of all the operational aspects of the installation prior to handover at practical completion stage. The project manager shall be afforded access at all reasonable times to such part of the works on site or at the contractor's premises or the premises of the manufacturer of component parts, as may be necessary for the purpose of inspecting, examining and testing the materials, workmanship and performance of any plant or equipment for the works. The contractor shall be responsible for the tests required by any local statute, building regulation, etc. Any breakdown or mechanical failure and any damage or consequential losses which may arise from such Carried Forward Section No. 1 Bill No. 1 Preliminaries & General COEGA		R	
		R	

Brought Forward breakdown, mechanical or structural failure, will be the responsibility of the contractor. CLAUSE 12.2 : PERFORMANCE OF INSTALLATION The efficiency of the design is the responsibility of the contractor who shall ensure that the quality of workmanship and the installation of equipment meets the requirements of the specification and is done in such a manner that the equipment performance meets with the figures published by the manufacturers and/or suppliers. The contractor & subcontractors, by entering into this contract, shall be deemed to have offered his services, workmanship, materials and equipment to meet the requirements of the specification and shall further be deemed to have ensured that the suppliers and manufacturers of the equipment installed by him under this contract, have manufactured and supplied such equipment to perform within the recommended limits of the manufacturer's design and performance figures, as well as to comply with the specification supplied. CLAUSE 12.3 : GUARANTEE The contractor & subcontractors shall guarantee the complete installation for a period of five years or as directed by the Project Manager from the date of acceptance of the installation by the project manager against defects as a result of patent or latent defects of the design and apparatus, as well as against faulty materials and workmanship. The guarantee must provide that all parts, spares, consumables and appurtenances that become defective during the guarantee period, be replaced free of charge of any nature to the client. The costs of labour and transportation required to replace such part of a defective installation, shall be borne by the contractor and shall be included in his guarantee. The expiry of the one year guarantee period shall in no way relieve the contractor of any of his obligations and/or responsibilities in respect of latent defects. The contractor shall cede to the client the remainder of any equipment guarantee which he has received from his suppliers and which extends beyond the period of 5 years mentioned herein.		R	
Carried Forward Section No. 1 Bill No. 1 Preliminaries & General COEGA		R	

	Brought Forward			R	
	CLAUSE 12.4 : COMMISSIONING AND TESTING The contractor & subcontractors shall commission and test the entire installation at his own expense, including provision of all test equipment. Such testing is to be done in the presence of the project manager, who shall have been notified of the dates and approximate duration of the tests, sufficiently in advance so as to allow attendance at such tests. F:..... V:..... T:.....	Item	1.00		
	<u>E13: GENERAL</u>				
33	CLAUSE 13.1 : CONTRACTOR TO BE RESPONSIBLE The contractor acknowledges that the principal objective of his appointment is his expert knowledge in the execution of the scope of work of this contract. The contractor shall be solely responsible for all aspects of the construction the works including but not limited to management, resourcing, programming and co-ordination of sequencing of work all as required for the type of project described and within the time limits and quality standards specified. CLAUSE 13.2 : MEDIA RELEASES, ADVERTISING, ETC. All rights of publication of articles in the media, together with any advertising relating to, or in any way connected with this project, shall vest with the client. The contractor together with his subcontractors shall not, without the written consent of the client, cause any statement or advertisement to be printed, screened or aired by the media. CLAUSE 13.3 : STRUCTURAL SAFETY The contractor shall take all reasonable measures to ensure that all alteration works are structurally practicable and safe. The contractor shall provide and price under the relevant demolition item, for all necessary temporary propping and support which may be required.				
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

Brought Forward CLAUSE 13.4 : CONDEMNED WORK The contractor shall remove from the site all materials not conforming with the relevant specification and condemned by the project manager, whether incorporated in the works or not. He shall replace such material and re-execute the affected work in accordance with the contract and without expense to the client. The contractor shall also bear the expense of making good any other work damaged or destroyed by such removal or replacement. CLAUSE 13.5 : PHOTOGRAPHIC RECORD A two weekly photographic record is to be provided by the contractor, recording the state of progress of the works. Copies of each photograph annotated with the location and date, are to be made available to the client via the project manager. CLAUSE 13.6 : ROYALTIES, PATENT RIGHTS AND FEES The contractor shall indemnify the project manager against any action, claim, demand, costs or expenses arising from or incurred by reason of any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the contractor, but such indemnity shall not cover any use of the equipment or part thereof otherwise than in accordance with the provisions of the specification. All payments and royalties payable in one sum or by instalments or otherwise, shall be included by the contractor in the price and shall be paid by him to those to whom they may be due or payable. In the event of any claim being made or action brought against the project manager arising out of the matter referred to in this clause, the contractor shall be promptly notified thereof and may, at his own expense, conduct negotiations for the settlement of the same and/or litigation, that may arise there from. The project manager shall not, unless and until the contractor shall have failed to take over and conduct the negotiations of		R	
Carried Forward Section No. 1 Bill No. 1 Preliminaries & General COEGA		R	

Brought Forward litigation, make any admission which might be prejudicial thereto. The conduct by the contractor of such negotiations or litigation shall be conditional upon the contractor having first given the project manager such reasonable security as shall from time to time be required by the project manager, to cover the amount ascertained or agreed or estimated, as the case may be, or any compensation, damage, expenses and costs for which the project manager may become liable in respect of such infringement as aforesaid. The project manager shall, at the request of the contractor, afford all available assistance for the purpose of contesting any such claim or action and shall be repaid the expenses incurred in doing so. The conduct by the contractor of such negotiations or litigation shall be conditional upon the contractor having first given the project manager such reasonable security as shall from time to time be required by the project manager, to cover the amount ascertained or agreed or estimated, as the case may be, or any compensation, damage, expenses and costs for which the project manager may become liable in respect of such infringement as aforesaid. The project manager shall, at the request of the contractor, afford all available assistance for the purpose of contesting any such claim or action and shall be repaid the expenses incurred in doing so. CLAUSE 13.7 : QUALITY ASSURANCE The tenderer is to submit their proposed formal Quality Assurance procedures with their tender submission for review by the Project Manager. The cost of preparing and implementing the Quality Assurance procedures is to be borne by the contractor. F:..... V:..... T:.....	Item	1.00	R
Carried Forward Section No. 1 Bill No. 1 Preliminaries & General COEGA			R

	Brought Forward			R	
	<u>E14: MAINTENANCE OF ROADS AND SERVICES</u>				
34	The contractor shall keep the approaches of the site clear of mud, dust, other debris and the like caused by the contractor or any subcontractors. The contractor shall regularly water the access road to keep it free from excessive dust. Damages caused to public and private roads and services due to negligence by the contractor, shall be made good by the contractor at his own expense. The contractor's attention is drawn to the provisions of the Construction Regulations, 2014 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the client shall prepare a documented health and safety specification for the works and that the client shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The project manager shall, on behalf of the client, issue such health and safety specification in due course and in the interim the contractor shall price separately opposite this item for compliance with the standard provisions of the act and regulations. F:..... V:..... T:.....	Item	1.00		
	<u>E15: RESIDENT ENGINEER'S OFFICE</u>				
35	The contractor shall establish office accommodation for the Resident Engineers' staff including furniture, services and carports. Minimum area of 18m2 including furniture for 2 people F:..... V:..... T:.....	Item	1.00		
	<u>E16 HEALTH AND SAFETY SPECIFICATION</u>				
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>E16.1: AWARENESS CHAMPION</u>				
36	Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the Health and Safety Specification F:..... V:..... T:.....	Item	1.00		
	<u>E16.2: AWARENESS WORKSHOPS</u>				
37	Selection and appointment of competent Service Provider approved by the Representative/Agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of a traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the Health and Safety Specification. F:..... V:..... T:.....	Item	1.00		
	<u>E16.3: HEALTH AND SAFETY REPRESENTATIVE</u>				
38	Selection and appointment of competent Health and Safety Officer approved by the Representative/Agent, for inspections of the workplace, keeping records and report all findings to the responsible person, all in accordance to the Health and Safety Specification. F:..... V:..... T:.....	Item	1.00		
	<u>E16.4: APPOINTMENT AND TRAINING OF A HEALTH AND SAFETY REP, FIRST AIDER & FIRE FIGHTER</u>				
39	Allow for training of a health and safety rep, first aider and a fire fighter, all in accordance with the Health and Safety Specification F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>E16.5: PROVISION OF FIRST AID BOXES, FIRST AID EQUIPMENT & FIRE FIGHTING EQUIPMENT</u>				
40	Allow for provision of first aid box , first aid equipment and fire extinguisher all in accordance with the Health and Safety Specification.				
	F:..... V:..... T:.....	Item	1.00		
	<u>E16.6: PROVISION OF PERSONAL & PROTECTIVE EQUIPMENT (PPE)</u>				
41	Allow for provision of PPE all in accordance with the Health and Safety Specification				
	F:..... V:..... T:.....	Item	1.00		
	<u>E16.7: PROVISION OF HEALTH AND SAFETY SIGNAGE AND POSTERS</u>				
42	Allow for provision of health and safety signage and posters all in accordance with the Health and Safety Specification				
	F:..... V:..... T:.....	Item	1.00		
	<u>E16.8: PROVISION OF WELFARE FACILITY</u>				
43	Allow for provision of well fare facility all in accordance with the Health and Safety Specification				
	F:..... V:..... T:.....	Item	1.00		
	<u>E16.9: CLOSE OUT REQUIREMENTS</u>				
44	The Principal Contractor to provide a consolidated close out Health and Safety File confirming the Health and Safety history of the project through a SHE agent				
	F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>E17 OCCUPATIONAL HEALTH AND SAFETY ACT</u>				
45	The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained. Prices to Allow for: 1. Principal Contractor 2. All Sub-contractors 3. SMME Sub-contractors The contractor is referred to the specifications annexed to this tender documents for comprehensive pricing. Occupational Health & Safety Bill of Quantity annexed to this tender should be included in values at this clause. F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>E18 REPORTING BY CONTRACTOR</u>				
46	The Contractor is required to complete the CONTRACTOR MONTHLY REPORT which is to be submitted together with the Contractor's payment claim. Payment of the Contractor is conditional on this information being accurate and timeously provided. Payment shall be subject to the Client giving the Contractor a tax invoice for the amount due. The Contractor is to take note of the following requirements - At the bottom of the CONTRACTOR MONTHLY REPORT, the Site Agent, Clerk of Works, CLO or Contractor must sign the document as proof that the people indicated have worked the number of days F:..... V:..... T:.....	Item	1.00		
	<u>E19 LOCAL LABOUR AND LOCAL BUILDING MATERIALS</u>				
47	It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Should adequate and appropriate labour not be available within the locality, other labour may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilisation of local labour in the construction process. The contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The contractor shall, in general, maximise the involvement of the local community. F:..... V:..... T:.....	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward			R	
	<u>E20 ADMINISTRATION</u>				
48	The Contractor must allow for all costs (including any profit and/or attendance) associated with the administration, appointment, training and/or payment of the CLO, Candidate Professionals, Students, EPWP Beneficiaries, APTCOD Learners, Clerk of Works and Steering Committee Members as applicable and included in this tender document. This item must be priced within rates or preliminaries, there is no separate line item for this No additional claims in this regard shall be entertained. F:..... V:..... T:.....	Item	1.00		
	<u>SECTION F: SITE ESTABLISHMENT</u>				
	<u>F1: TEMPORARY WORKS, ETC</u>				
	Water and Electricity				
49	The Client does not warrant that any water or electricity supply that may exist is adequate for the proper execution of the works. Where such supply is inadequate, the contractor shall provide an adequate supply at his own expense. The Contractor shall ensure that construction water and electricity is provided at his/her own cost. F:..... V:..... T:.....	Item	1.00		
	Service - Water				
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

Ntshеле Clinic Replacement of Existing Facility

Brought Forward			R
50	The Contractor is to provide and remove and make good upon completion all the necessary temporary plumbing connections and purchase water from the local authority where applicable, for the works at his own cost. The Contractor shall make and upon completion remove all the necessary temporary plumbing connections and water meters to the Client's water supply at designated points and be responsible for costs associated with all water consumption. The Contractor is notified that the nearest water supply is not guaranteed and that the contractor shall do own assessments and connection. F:..... V:..... T:.....	Item	1.00
	Service - Electricity		
51	The Contractor is to provide and remove and make good upon completion all the necessary temporary electrical connections and installations and purchase electricity from the local authority for the works at his own cost. The Contractor shall make and upon completion remove all the necessary installation and meters to the Client's electrical supply at designated points and be responsible for costs associated with all electricity consumption. F:..... V:..... T:.....	Item	1.00
	Ablution facilities		
52	The Contractor is to provide, erect where directed at his own expense, and remove on completion of the works ablution facilities and shall maintain such facilities in a thoroughly clean and tidy condition. F:..... V:..... T:.....	Item	1.00
	Facilities		
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries & General COEGA			

Ntshele Clinic Replacement of Existing Facility

Brought Forward			R	
53	The Contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the project manager and supervisor, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, table and eight chairs, all at the contractor's expense. The office shall be kept clean and fit for use at all times. F:..... V:..... T:..... Telecommunication facilities	Item	1.00	
54	The Contractor shall provide the following telecommunication facilities at his own expense: • Telephone • Facsimile • E-mail F:..... V:..... T:..... Security of the works	Item	1.00	
55	The Contractor shall take all appropriate measures for general security of the works. F:..... V:..... T:..... Notice boards	Item	1.00	
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries & General COEGA				

Ntshele Clinic Replacement of Existing Facility

Brought Forward			R
56	The Contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board, size 2,44m wide and 2,89m high, according to the standard drawing available from the client, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The lettering is to be 50mm and 100mm "sans serif" in ivory white on the blue background and in 100mm "sans serif" in navy blue on the ivory white background. The inscription, in one language only, which must bear the approval of the Project Manager. No other names or notice boards may be erected without the written approval of the Project Manager. Sketch drawings of all proposed names or notice boards must be submitted to the Project Manager for approval, before being prepared and erected on site. These sketch drawings must not only show the full content of the proposed names or notice boards, but also the position and locality in which the boards will be erected. F:..... V:..... T:.....	Item	1.00
	Notice before covering work		
57	The contractor shall give adequate notice to the project manager whenever any work or material which is subject to inspection or remeasurement is to be covered or concealed in any way. In default of such a notice being received timeously by the project manager such work shall be exposed and later made good at the contractor's expense. F:..... V:..... T:.....	Item	1.00
	Inspection of adjoining properties		
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries & General COEGA			

Ntshеле Clinic Replacement of Existing Facility

Brought Forward			R
58	Before commencing with the works the project manager and contractor shall arrange with the owners of adjacent buildings and properties and representatives of local authorities to inspect, among others, the buildings, structures, pavings, kerbs, channels and fences. The contractor shall record all conditions that the works could affect and copy the project manager accordingly. The contractor shall pay particular attention to cracks, defects and existing levels related to structures, pavings, kerbs, channels and fences, which later could be claimed to have been caused or disturbed by the works. F:..... V:..... T:..... Site Meetings and Procedures	Item	1.00
59	The Project Manager and the Contractor shall hold meetings relating to the progress of the works at regular intervals and at other such times as may be necessary. The Contractor shall attend all site meetings and shall ensure that all persons under his jurisdiction are notified timeously of all site meetings should the Project Manager require their attendance at such meetings. The Contractor shall keep on site a set of minutes of all site meetings, daily records of resources (people and equipment employed), a site instruction book, a complete set of contract working drawings and a copy of the procurement document and make these available at all reasonable times to all persons concerned with the contract. F:..... V:..... T:..... Attendance to subcontractors	Item	1.00
Carried Forward			R
Section No. 1 Bill No. 1 Preliminaries & General COEGA			

Ntshеле Clinic Replacement of Existing Facility

	Brought Forward			R	
60	The contractor shall allow all nominated/ selected/ direct subcontractors reasonable usage of hoisting facilities whilst they remain erected. The Contractor shall specifically provide all necessary scaffolding and special scaffolding for all work to the roof, facades, ceilings/bulkheads, electrical works, mechanical works, fire, plumbing & drainage, columns, walls, etc. whether executed by himself or subcontractors. F:..... V:..... T:..... Works Area	Item	1.00		
61	Site establishment areas must be agreed with the Project Manager. The site shall not be used for any purpose other than that of carrying out the works. Access to the site shall be restricted to one entrance and exit point only as directed by the Project Manager No claims for extras arising from these matters will be subsequently entertained or admitted F:..... V:..... T:..... Management of the works	Item	1.00		
	Carried Forward			R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA				

	Brought Forward		R	
62	“The Contractor shall to the satisfaction of the Project Manager provide, in addition to the Foreman, the services of an experienced and competent Construction Manager and Site Agent supported by a management team who shall, inter-alia be responsible for all activities of the Contractor and all Subcontractors and in particular: (a) Programming (b) Scheduling (c) Reporting (d) Production of shop drawings and samples (e) Procurement and expediting (f) Liaison and co-ordinating of construction (g) Commissioning, instruction, handover and follow-up (h) Monitoring and reporting on building activities taking place off-site” The names and CV's of the Contractor's site management team shall be submitted to the Project Manager prior to commencement on site and, after agreement on the composition thereof has been obtained, no changes shall be made nor shall any member of the said team be removed from the site while remaining in the employ of the Contractor without express written approval F:..... V:..... T:..... Enclosure of the works	Item 1.00	R	
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries & General COEGA			

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Item No		Quantity	Rate	Amount
	<u>BILL 1</u> <u>DEMOLITIONS</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. These bills are measured based on the Standard System of Measuring Building Work 2015 Seventh Edition. No claims will be entertained for items not covered by the afore mentioned document.			
	Carried Forward Section No. 2 Bill No. 1 Demolitions COEGA		R	

Brought Forward The contractor is advised to be in constant communication with the quantity surveyor during the course of the tender process and/or project with regards to the following: 1. Tender drawings versus the Tender bills of quantities - Should there be a discrepancy between the tender drawings and the bills of quantities, the contractor shall notify the quantity surveyor immediately. 2. Construction drawings versus the Tender bills of quantities - Should there be a discrepancy between the construction drawings and the bills of quantities, the contractor shall notify the quantity surveyor immediately. 3. Site Instructions - The quantity surveyor together with the principal agent shall be notified immediately of any site instructions or potential costs in accordance to the contract. No claims or costs arising out of not adhering to the above will be entertained. Design and Construct: The entire Bills of Quantities shall only be used as a pricing tool and does not supersede the works information, site information and drawings. All works to be executed on site shall be in accordance with drawings and site instructions. The actual works executed on site will be re-measured and adapted to the items outlined within the BoQ, notwithstanding this, the rates and prices contained herein as well as the amounts allowed shall remain of full force and effect. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. Carried Forward Section No. 2 Bill No. 1 Demolitions COEGA		R	
		R	

Brought Forward <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof. <u>Blasting</u> No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained.		R	
Carried Forward Section No. 2 Bill No. 1 Demolitions COEGA		R	

Brought Forward <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.		R	
Carried Forward Section No. 2 Bill No. 1 Demolitions COEGA		R	

Brought Forward Notices The Contractor shall, before commencing work, obtain all necessary authorisation for carrying out the work, by whatever means including the use of pneumatic equipment or blasting, give all necessary notices and pay all charges and fees in connection therewith. He shall also comply with all regulations pertaining to rodent extermination and he/she shall obtain the requisite Rodent Extermination Clearance Certificate and pay all necessary fees. All receipts and certificates shall be left in the safekeeping of the Project Manager. Demolitions shall include all the above mentioned charges and fees. The Contractor shall give ample notice to the Project Manager and Local Authorities regarding any disconnections necessary prior to the removal or interruptions of electrical or telephone cables, water and sanitary services, etc. Loss After the handing over of the site to the Contractor, the full risk of any loss or damage to buildings to be demolished shall be the responsibility Contractor and he shall take such precautions as he/she deems necessary against such loss or damage. Disposal of debris, etc. The Contractor shall be responsible for the removal from the site of all materials, rubble, debris and rubbish resulting from the demolitions		R	
Carried Forward Section No. 2 Bill No. 1 Demolitions COEGA		R	

Brought Forward				R
<u>SPECIFIC PRELIMINARIES</u>				
<u>PHOTOGRAPHS OF EXISTING STRUCTURES</u>				
1	The contractor shall compile a complete photographic record of all the adjoining structures prior to commencing with the demolitions	Item	1.00	
<u>REMOVAL OF EXISTING WORK</u>				
<u>Breaking down and removing of buildings, etc.</u>				
2	Single storey building with pitched roof approximately 105m2 on plan and 3m high at eaves comprising concrete surface beds, foundations, brick work external walls, brick work internal walls, corrugated roof sheeting on timber trusses.	No	1	
	1 : 0 2 : 0 3 : 0 4 : 0			
	5 : 1			
3	Prefabricated building comprised of chromadek walls and roof steel panel approximately 25m2 on plan with and including reinforced concrete and steel plinths, pitched roof and 3m high at eaves, internal walls, all internal items. etc.	No	1	
	1 : 0 2 : 0 3 : 0 4 : 0			
	5 : 1			
4	Prefabricated building comprised of chromadek walls and roof steel panel approximately 80m2 on plan with and including reinforced concrete and steel plinths, pitched roof and 3m high at eaves, internal walls, all internal items, etc.	No	1	
	1 : 0 2 : 0 3 : 0 4 : 0			
	5 : 1			
5	Prefabricated ablution building comprised of chromadek walls and roof steel panel approximately 30m2 on plan with and including reinforced concrete and steel plinths, pitched roof and 3m high at eaves, internal walls, sanitary fittings, all internal items, etc.	No	1	
	1 : 0 2 : 0 3 : 0 4 : 0			
	5 : 1			
Carried Forward				R
Section No. 2 Bill No. 1 Demolitions COEGA				

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Brought Forward				R
6	Temporary waiting shelter comprising of polycarbonate side cladding, corrugated sheeting, steel posts, paving, foundations, surface beds, etc. approximately 70m2 1 : 0 2 : 0 3 : 0 4 : 0 5 : 1	No	1	
<u>Taking down and removing existing fence</u>				
7	Diamond mesh fence with barb wire approximately 2,100mm high including removal of concrete footings, backfilling, etc. 1 : 0 2 : 0 3 : 0 4 : 0 5 : 212	m	212	
Carried Forward to Summary of Section No. 2				
Section No. 2 Bill No. 1 Demolitions COEGA				R

Item No		Quantity	Rate	Amount
	<u>BILL 2</u> <u>EARTHWORKS</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
	Carried Forward Section No. 2 Bill No. 2 Earthworks COEGA		R	

Brought Forward <u>Blasting</u> No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Engineer's drawings.		R	
Carried Forward Section No. 2 Bill No. 2 Earthworks COEGA		R	

Brought Forward <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.		R	
Carried Forward Section No. 2 Bill No. 2 Earthworks COEGA		R	

Brought Forward					R
<u>SITE CLEARANCE ETC</u>					
<u>Site clearance</u>					
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m2	5 123		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 5123				
2	Stripping average 150mm thick layer of top soil and spoil to a dumping site to be located by the contractor.	m3	768		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 768				
<u>REMOVAL OF TREES ETC</u>					
<u>Cutting down, taking out and removing, grubbing up roots and filling in holes.</u>					
3	Tree and stump exceeding 200mm and not exceeding 500mm girth.	No	5		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 5				
4	Tree and stump exceeding 1,000mm and not exceeding 1,500mm girth.	No	8		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 8				
<u>BULK EXCAVATIONS</u>					
Tenderers are to allow for accommodation of traffic, flagmen, etc. all in accordance to best practise and health & safety requirements. The facilities are in an existing live working environment and all care shall be taken to ensure that the site and access to the site is kept clear of rubble, safe for the client, subcontractors neighbours, etc. and this shall be adhered to for the duration of the project.					
Carried Forward					R
Section No. 2 Bill No. 2 Earthworks COEGA					

	Brought Forward			R	
	<u>Open face excavation in earth over sloping site not exceeding 2m deep</u>				
5	Open face cut excavation to fill (cut to and including fill) 1 : 0 2 : 0 3 : 0 4 : 0 5 : 1327	m3	1 327		
6	Open face cut excavation to spoil (cut to and including spoil to a dumping site located by the contractor) 1 : 0 2 : 0 3 : 0 4 : 0 5 : 1976	m3	1 976		
	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>				
	<u>EXCAVATIONS</u>				
	<u>Excavation in earth not exceeding 2m deep below natural, elevated or reduced ground level for</u>				
7	Raft Ground Beams 1 : 166 2 : 0 3 : 0 4 : 0 5 : 0	m3	166		
8	Trenches 1 : 0 2 : 271 3 : 21 4 : 0 5 : 0	m3	292		
9	Trenches and holes for thickening under surface beds etc 1 : 0 2 : 10 3 : 1 4 : 0 5 : 0	m3	11		
10	Holes 1 : 51 2 : 0 3 : 0 4 : 0 5 : 0	m3	51		
11	Hand excavations 1 : 22 2 : 32 3 : 4 4 : 0 5 : 0	m3	57		
	Carried Forward			R	
	Section No. 2 Bill No. 2 Earthworks COEGA				

	Brought Forward			R	
	<u>Excavation in earth within reduced level (reduced level not exceeding 2m below ground level).</u>				
12	To reduce levels to final levels under floors etc. 1 : 52 2 : 0 3 : 0 4 : 0 5 : 0	m3	52		
	<u>Keeping excavations free of water</u>				
13	Keeping excavations free of all water other than subterranean water 1 : 0.00 2 : 0.00 3 : 0.00 4 : 0.00 5 : 1.00	Item	1.00		
	<u>EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER</u>				
	<u>Extra over trench and hole excavations in earth for excavation in:</u>				
14	Hard rock 1 : 0 2 : 0 3 : 0 4 : 0 5 : 165	m3	165		
15	Class A Boulder Excavation. 1 : 0 2 : 0 3 : 0 4 : 0 5 : 50	m3	50		
	<u>Extra over all excavations for carting away.</u>				
16	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. 1 : 273 2 : 203 3 : 17 4 : 0 5 : 0	m3	493		
	<u>Risk of collapse of excavations.</u>				
17	Sides of trench and hole excavations not exceeding 1,5m deep. 1 : 1244 2 : 140 3 : 18 4 : 0 5 : 0	m2	1 402		
	Carried Forward			R	
	Section No. 2 Bill No. 2 Earthworks COEGA				

Brought Forward				R
<u>FILLING ETC</u>				
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage from stock piles, compacted to 93% Mod AASHTO density.</u>				
18	Trenches, holes, etc.	m3	157	
	1 : 14 2 : 133 3 : 10 4 : 0			
	5 : 0			
<u>Imported selected gravel from commercial sources (Minimum G5 material to TRH14) layer material in 150mm thick layers compacted to 95% modified AASHTO density.</u>				
19	Below ramps, steps, etc.	m3	34	
	1 : 22 2 : 10 3 : 2 4 : 0			
	5 : 0			
20	In Forming Platforms	m3	1 976	
	1 : 0 2 : 0 3 : 0 4 : 0			
	5 : 1976			
21	Below surface beds, etc.	m3	46	
	1 : 0 2 : 42 3 : 4 4 : 0			
	5 : 0			
<u>Imported G6 fill layer material in 150mm thick layers compacted to 95% modified AASHTO density.</u>				
22	Below ramps, steps, etc.	m3	46	
	1 : 0 2 : 42 3 : 4 4 : 0			
	5 : 0			
<u>Imported sand blinding below surface beds, paving, etc.</u>				
23	To form platforms, etc.	m3	65	
	1 : 53 2 : 10 3 : 2 4 : 0			
	5 : 0			
Carried Forward				R
Section No. 2 Bill No. 2 Earthworks COEGA				

Brought Forward				R
<u>Compaction of surfaces.</u>				
24	Compaction of ground surfaces under trenches and holes to 90% Mod AASHTO density. 1 : 348 2 : 175 3 : 20 4 : 0 5 : 0	m2	543	
25	Rip up and scarify ground surfaces under floors for a depth of 150mm, breaking down oversize material, including taking up a maximum tolerance of 50mm and adding suitable material where necessary and carting away where necessary and compacting to 95% Mod AASHTO density. 1 : 1314 2 : 554 3 : 59 4 : 0 5 : 5123	m2	7 050	
<u>Prescribed density tests on filling.</u>				
26	"Modified AASHTO Density" test. 1 : 9 2 : 2 3 : 0 4 : 0 5 : 17	No	27	
27	Natural CBR Indicator Test 1 : 0 2 : 0 3 : 0 4 : 0 5 : 5	No	5	
<u>SOIL POISONING</u>				
<u>"Hyvar X" or equivalent Weedkiller mixed with water and applied at a rate of 100grams/m</u>				
28	Weed killer applied to earth or earth filling under concrete surface beds, paving, etc., including V-grooves along foundation walls and around columns, etc., including submission of compliance with specification. 1 : 0 2 : 424 3 : 35 4 : 0 5 : 0	m2	459	
<u>Soil insecticide</u>				
29	To bottoms and sides of trenches etc. 1 : 1500 2 : 315 3 : 38 4 : 0 5 : 0	m2	1 853	
Carried Forward				R
Section No. 2 Bill No. 2 Earthworks COEGA				

Ntshele Clinic Replacement of Existing Facility

	Brought Forward			R	
30	Under floors etc, including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming. 1 : 273 2 : 554 3 : 59 4 : 0 5 : 0	m2	886		
Carried Forward to Summary of Section No. 2					
Section No. 2					
Bill No. 2					
Earthworks					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 3</u> <u>DECANTING</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
	Carried Forward Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA		R	

Brought Forward <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Architect and Engineer's drawings. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.		R	
<u>THE FOLLOWING IN TEMPORARY PRE-FABRICATED MODULAR BUILDINGS</u> Carried Forward Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA		R	

Ntshole Clinic Replacement of Existing Facility

Brought Forward					R
<u>ESTABLISHMENT</u>					
1	Transport to and establishment on site for ALL prefabricated mobile buildings for the execution of the work	No	1		
	1 : 0 2 : 0 3 : 0 4 : 0 5 : 1				
2	Setting up ALL prefabricated mobile buildings at position. Ground where building will be positioned should be level and not slope more than 100mm over the length of the building Ground should be compacted to ensure a 100KPa load bearing capacity is achieved	No	1		
	1 : 0 2 : 0 3 : 0 4 : 0 5 : 1				
<u>TEMPORARY WORKS</u>					
3	Provide temporary storage for loose furniture removed from existing clinic while waiting for the installation of new mobile units	Item	1.00		
<u>PREFABRICATED BUILDING</u>					
Rates should include for <u>design (Priced for under professional fees), supply and installation</u>, the detail of which must be submitted with this tender to be approved by the Architect. The below descriptions are a guide, the tenderer shall do own designs and cost accordingly based on site visit and site requirements					
4	Approved prefabricated pre-painted 60mm thick chromadek wall and roof steel panel modular 'TEMPORARY CLINIC' unit approximately 100m2 in size overall with and including reinforced concrete plinths to be positioned +/- every 2,5m or equally approved between the length of the building for the placement of the modular building. Building to contain external chromadek panels with one aluminium frame and 3 lever lock & handles, Twelve aluminium windows with top hung openers, vinyl floor cover, electric wiring kit with lights, switches, socket outlet and DB board and, steel step at the entrances, air-conditioning, internal partitions/ walls (all to match existing temporary clinic), detail of which needs to be submitted with this bid	No	1		
	1 : 0 2 : 0 3 : 0 4 : 0 5 : 1				
Carried Forward					R
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA					

Ntshole Clinic Replacement of Existing Facility

Brought Forward					R
5	Approved prefabricated pre-painted 60mm thick chromadek wall and roof steel panel modular 'TEMPORARY GUARD HOUSE' unit approximately 12m² in size overall with and including reinforced concrete plinths to be positioned +/- every 2,5m or equally approved between the length of the building for the placement of the modular building. Building to contain external chromadek panels with one aluminium frame and 3 lever lock & handles, Three aluminium windows with top hung openers, vinyl floor cover, electric wiring kit with lights, switches, socket outlet and DB board and, steel step at the entrances, air-conditioning, internal partitions/ walls (all to match existing temporary clinic), detail of which needs to be submitted with this bid 1 : 0 2 : 0 3 : 0 4 : 0 5 : 1	No	1		
6	Approved prefabricated pre-painted 60mm thick chromadek wall and roof steel panel modular 'TEMPORARY HIV TESTING ROOM' unit approximately 9m² in size overall with and including reinforced concrete plinths to be positioned +/- every 2,5m or equally approved between the length of the building for the placement of the modular building. Building to contain external chromadek panels with one aluminium frame and 3 lever lock & handles, Two aluminium windows with top hung openers, vinyl floor cover, electric wiring kit with lights, switches, socket outlet and DB board and, steel step at the entrances, air-conditioning, internal partitions/ walls (all to match existing temporary clinic), detail of which needs to be submitted with this bid 1 : 0 2 : 0 3 : 0 4 : 0 5 : 1	No	1		
Carried Forward					R
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA					

Brought Forward				R
7	Approved prefabricated pre-painted 60mm thick chromadek wall and roof steel panel modular 'TEMPORARY STORE ROOM' unit approximately 30m2 in size overall with and including reinforced concrete plinths to be positioned +/- every 2,5m or equally approved between the length of the building for the placement of the modular building. Building to contain external chromadek panels with one aluminium frame and 3 lever lock & handles, Four aluminium windows with top hung openers, vinyl floor cover, electric wiring kit with lights, switches, socket outlet and DB board and, steel step at the entrances, air-conditioning, internal partitions/ walls (all to match existing temporary clinic), detail of which needs to be submitted with this bid 1 : 0 2 : 0 3 : 0 4 : 0 5 : 1	No	1	
8	Approved prefabricated pre-painted 60mm thick chromadek wall and roof steel panel modular 'MALE & FEMALE' ablution unit size overall 9,300 x 4,400mm with and including reinforced concrete plinths to be positioned +/- every 2,5m or equally approved between the length of the building for the placement of the modular building. Building to contain external chromadek panels with all the necessary aluminium frame and 3 lever lock & handles, necessary aluminium windows with top hung openers, vinyl floor cover, electric wiring kit with lights, switches, socket outlet and DB board, steel step at the entrances and including all the necessary sanitary fittings, toilet roll holders, mirrors, signage, etc. detail of which needs to be submitted with this bid 1 : 0 2 : 0 3 : 0 4 : 0 5 : 1	No	1	
<u>REMOVAL OF LOOSE FURNITURE FROM EXISTING BUILDINGS AND TEMPORARY STORAGE</u>				
9	Removal of loose furniture from existing buildings and place in temporary storage until new mobile units are installed	Item	1.00	
<u>REMOVAL OF LOOSE FURNITURE FROM TEMPORARY STORAGE AREA INTO NEWLY SUPPLIED MOBILE UNITS</u>				
10	Removal of loose furniture from temporary storage into newly supplied mobile units	Item	1.00	
Carried Forward				R
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA				

Brought Forward				R	
<u>PREPARATION AND EXTERNAL WORKS</u>					
<u>SITE CLEARANCE ETC</u>					
<u>Site clearance</u>					
11	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	106		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 106				
12	Stripping average 150mm thick layer of top soil and spoil to a dumping site to be located by the contractor.	m3	16		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 16				
<u>THE FOLLOWING IN SEPTIC TANK</u>					
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>					
<u>EXCAVATIONS</u>					
<u>Excavation in earth not exceeding 2m deep below natural, elevated or reduced ground level for</u>					
13	Hand excavations	m3	16		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 16				
<u>Extra over all excavations for carting away.</u>					
14	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	16		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 16				
Carried Forward				R	
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA					

Brought Forward					R
<u>FILLING ETC</u>					
<u>Imported crushed stone material from commercial sources in 150mm thick layers</u>					
15	19mm Washed broken stone filling placed in walkways	m3	32		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 32				
<u>Compaction of surfaces.</u>					
16	Rip up and scarify ground surfaces under floors for a depth of 150mm, breaking down oversize material, including taking up a maximum tolerance of 50mm and adding suitable material where necessary and carting away where necessary and compacting to 95% Mod AASHTO density.	m2	106		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 106				
<u>SOIL POISONING</u>					
<u>"Hyvar X" or equivalent Weedkiller mixed with water and applied at a rate of 100grams/m</u>					
17	Weed killer applied to earth or earth filling under concrete surface beds, paving, etc., including V-grooves along foundation walls and around columns, etc., including submission of compliance with specification.	m2	106		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 106				
<u>BULK EXCAVATIONS</u>					
<u>Bulk excavation in earth exceeding 2m and not exceeding 4m deep</u>					
18	Cut to spoil (Septic Tank excavation material to be spoiled and priced for only on this item specifically).	m3	33		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 33				
Carried Forward					R
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA					

Brought Forward					R	
<u>EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER</u>						
<u>Extra over bulk excavation in earth for excavation in</u>						
19	Hard rock	m3	3			
	1 : 0 2 : 0 3 : 0 4 : 0					
	5 : 3					
<u>Extra over all excavations for carting away.</u>						
20	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	33			
	1 : 0 2 : 0 3 : 0 4 : 0					
	5 : 33					
<u>Keeping excavations free of water</u>						
21	Keeping excavations free of water.	Item	1.00			
	1 : 0.00 2 : 0.00 3 : 0.00 4 : 0.00					
	5 : 1.00					
<u>FILLING ETC</u>						
<u>Imported G5 fill layer material in 150mm thick layers compacted to 95% modified AASHTO density.</u>						
22	To form platforms, etc.	m3	5			
	1 : 0 2 : 0 3 : 0 4 : 0					
	5 : 5					
<u>Compaction of surfaces.</u>						
23	Rip up and scarify ground surfaces under floors for a depth of 150mm, breaking down oversize material, including taking up a maximum tolerance of 50mm and adding suitable material where necessary and carting away where necessary and compacting to 93% Mod AASHTO density.	m2	15			
	1 : 0 2 : 0 3 : 0 4 : 0					
	5 : 15					
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>						
Carried Forward					R	
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA						

Brought Forward					R
<u>25MPa/19mm concrete</u>					
24	Bases	m3	3		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 3				
25	70 x 70mm Coved concrete triangular fillet cast on top of pit base slab, etc. wood floated	m	16		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 16				
<u>REINFORCED CONCRETE</u>					
<u>25MPa/19mm concrete</u>					
26	Built up slabs, on top of Bond-dek slabs, etc.	m3	3		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 3				
<u>CONCRETE SUNDRIES</u>					
<u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u>					
27	Concrete Surfaces, etc	m2	15		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 15				
<u>Steel float</u>					
28	Finish to top surface of concrete ablution base with a steel trowel.	m2	15		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 15				
<u>PERMANENT FORMWORK (DEGREE OF ACCURACY II)</u>					
Carried Forward					R
Section No. 2					
Bill No. 3					
Prefabricated Modular Buildings - Decanting					
COEGA					

Brought Forward					R
	<u>Permanent formwork not exceeding 3.5m high above bearing level, to:</u>				
29	1mm Thick Bond-dek pans 75mm deep valleys with 900mm wide cover, etc. fixed with and including shear connectors 19mm in diameter at 450mm centres as well as any necessary supports to keep the structure sound	m2	15		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 15				
	<u>SUNDRY FORMWORK</u>				
	<u>Smooth formwork to form:</u>				
30	Opening circular on plan not exceeding 1m girth through concrete slabs not exceeding 170mm thick	No	1		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 1				
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>Fabric reinforcement</u>				
31	Type 311 fabric reinforcement (Measured in 2 layers) in Ablution hole concrete surface beds, etc.	m2	30		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 30				
	<u>SUPERSTRUCTURE</u>				
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) perforated plaster brick size 222x73x106mm in class II mortar manufactured in accordance with SANS 227:2007</u>				
32	NFX Class II mortar: One brick walls	m2	35		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 35				
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement</u>				
33	150mm Wide reinforcement built in horizontally	m	103		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 103				
Carried Forward					R
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA					

Brought Forward					R
<u>WATERPROOFING TO PIT TOILET WALLS</u>					
<u>Design, supply and install "ABE Cementitious flexible waterproofing slurry" or equivalent, lanko Hydroflex embedded or equally approved, in a polyester cloth where necessary</u>					
34	Against foundation pit walls	m2	35		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 35				
<u>EXCAVATION FOR PIPES</u>					
<u>Excavation in earth not exceeding 2m deep</u>					
35	Trench excavation for pipes not exceeding 1m wide (Pipes measured elsewhere)	m3	45		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 45				
<u>Earth filling imported by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>					
36	Imported class B bedding of continuous mould of selected granular material for bedding pipe barrel	m3	9		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 9				
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage exceeding 100m and not exceeding 200m from perimeter of excavations or stock piles, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>					
37	Selected fill blanket compacted uniformly with light compaction directly over the pipe	m3	36		
	1 : 0 2 : 0 3 : 0 4 : 0				
	5 : 36				
<u>SOIL DRAINAGE</u>					
Carried Forward					R
Section No. 2 Bill No. 3 Prefabricated Modular Buildings - Decanting COEGA					

Ntshele Clinic Replacement of Existing Facility

Brought Forward					R	
	<u>HDPE PE 100 (Class PN 10) pipes including couplings in the running lengths laid within or inside HDPE sleeve pipe (Sleeve pipe, excavation & backfill measured elsewhere)</u>					
38	160mm Diameter pipes laid to falls inside HDPE sleeve pipe	m	30			
	1 : 0 2 : 0 3 : 0 4 : 0					
	5 : 30					
	<u>Manhole covers and frames, etc.</u>					
39	860mm Diameter Precast manhole cover and frame	No	1			
	1 : 0 2 : 0 3 : 0 4 : 0					
	5 : 1					
	<u>BUDGETARY ALLOWANCES</u>					
40	Allow the sum of R100 000.00 One Hundred Thousand for the Services Connection to the Mobile Units.	Item	1.00	100 000.00	100 000.00	
Carried Forward to Summary of Section No. 2					R	
Section No. 2						
Bill No. 3						
Prefabricated Modular Buildings - Decanting						
COEGA						

Item No		Quantity	Rate	Amount
	<u>BILL 4</u> <u>CONCRETE FORMWORK AND REINFORCEMENT</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA		R	

Brought Forward <u>Project specification</u> 5.1.1 "Only CEM I 42,5 (Portland cement) or CEM II/A-V 42,5 (Portland fly ash cement) or CEM II/A-S 42,5 (Portland slag cement) or CEM II/B-S 42,5 (Portland slag cement) according to SANS 50197-1 (SABS ENV 197-1), may be used. The cement may not consist of more than 20% siliceous fly ash or 30% granulated blast furnace slag, blended with the Portland Cement. Should the contractor wish to use any other type of cement, he shall obtain the engineer's prior written approval." No industrial waste from industrial facilities co-fired with hazardous waste may be used. <u>Tolerance</u> Tolerance shall be based on Accuracy Degree II as described on the particular section <u>Cost of tests</u> The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately) Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated <u>Formwork</u> Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use		R	
Carried Forward Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA		R	

Brought Forward The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself. Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks" <u>Engineer's Specification</u> These bills of quantities are to be read in conjunction with the Engineer's specifications - See engineers drawings and project specification attached to this document and/or as specified on the relevant items.		R	
Carried Forward Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA		R	

Brought Forward					R
<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>					
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>					
<u>15MPa/20mm concrete</u>					
1	Surface blinding under footings and bases	m3	27		
	1 : 17 2 : 9 3 : 1 4 : 0				
	5 : 0				
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>					
<u>30MPa/19mm concrete</u>					
2	Surface beds and thickenings cast in panels on waterproofing	m3	57		
	1 : 0 2 : 52 3 : 4 4 : 0				
	5 : 0				
3	Raft Ground Beams cast of waterproofing	m3	154		
	1 : 154 2 : 0 3 : 0 4 : 0				
	5 : 0				
4	Surface beds, Raft Toppings and thickenings cast in panels on waterproofing	m3	83		
	1 : 83 2 : 0 3 : 0 4 : 0				
	5 : 0				
5	Footings	m3	67		
	1 : 0 2 : 61 3 : 6 4 : 0				
	5 : 0				
6	Bases	m3	28		
	1 : 28 2 : 0 3 : 0 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2					
Bill No. 4					
Concrete, Formwork & Reinforcement					
COEGA					

Brought Forward				R	
<u>REINFORCED CONCRETE</u>					
<u>20MPa/19mm concrete</u>					
7	Aprons cast in panels on waterproofing and laid to falls 1 : 22 2 : 10 3 : 2 4 : 0 5 : 0	m3	34		
<u>30MPa/19mm concrete</u>					
8	Slabs including beams, inverted beams. 1 : 0 2 : 0 3 : 11 4 : 0 5 : 0	m3	11		
9	Isolated beams 1 : 32 2 : 0 3 : 0 4 : 0 5 : 0	m3	32		
10	Built up slabs, plinths, etc. 1 : 8 2 : 0 3 : 0 4 : 0 5 : 0	m3	8		
11	Columns 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	m3	9		
<u>TEST CUBES</u>					
12	Allow for preparing a set of three concrete strength test cubes, each size 150 x 150 x 150mm, sending them to an approved independent testing laboratory for testing and paying all charges in connection therewith. (Provisional) 1 : 31 2 : 10 3 : 2 4 : 0 5 : 0	No	43		
<u>CONCRETE SUNDRIES</u>					
Carried Forward				R	
Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA					

Brought Forward				R
<u>Holding down bolts</u>				
13	Take delivery of a set of two holding down bolts complete with template (supplied by steel sub-contractor) and cast in exact position in the top of concrete including maintaining in position during concreting	No	41	
	1 : 41 2 : 0 3 : 0 4 : 0			
	5 : 0			
<u>Finishing top surfaces of concrete smooth with a power float</u>				
14	Surface beds, etc	m2	1 500	
	1 : 1041 2 : 424 3 : 35 4 : 0			
	5 : 0			
15	Slabs, etc	m2	35	
	1 : 0 2 : 0 3 : 35 4 : 0			
	5 : 0			
<u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u>				
16	Aprons to falls, etc	m2	427	
	1 : 273 2 : 130 3 : 24 4 : 0			
	5 : 0			
<u>Steel float</u>				
17	Tops of upstand beams, etc.	m2	6	
	1 : 0 2 : 0 3 : 6 4 : 0			
	5 : 0			
18	Tops of isolated beams, etc.	m2	63	
	1 : 63 2 : 0 3 : 0 4 : 0			
	5 : 0			
19	Built up slabs, plinths, etc.	m2	17	
	1 : 17 2 : 0 3 : 0 4 : 0			
	5 : 0			
Carried Forward				R
Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA				

Brought Forward				R	
<u>Void formers to built up slabs, plinths, etc</u>					
20	Polystyrene or equivalent Void former blocks 600 x 600 x 300mm	No	6		
	1 : 6 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>Roof outlets (cast in):</u>					
21	Geberit 359.119.00.1 pluvia roof outlet 9L/S or equally approved	No	2		
	1 : 0 2 : 0 3 : 2 4 : 0				
	5 : 0				
22	160mm Vertical outlet cast on concrete	No	2		
	1 : 0 2 : 0 3 : 2 4 : 0				
	5 : 0				
23	160mm 45 Degree side outlet cast on concrete	No	2		
	1 : 0 2 : 0 3 : 2 4 : 0				
	5 : 0				
<u>Sleeve penetrations (Cast in)</u>					
24	200mm Diameter sleeve penetration cast in horizontally through 255mm deep slabs including hole through formwork, etc.	No	2		
	1 : 2 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>Grooves, channels, mortices, sinkings, etc in concrete</u>					
25	50x50mm V-shaped drip groove to the bottom of concrete slabs including all formwork necessary to form grooves	m	15		
	1 : 15 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>					
Carried Forward				R	
Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA					

	Brought Forward			R	
	<u>Rough formwork to sides of aprons</u>				
26	Edges, risers, ends and reveals not exceeding 300mm high or wide 1 : 273 2 : 130 3 : 24 4 : 0 5 : 0	m	427		
	<u>SMOOTH FORMWORK IN FOUNDATIONS (DEGREE OF ACCURACY II)</u>				
	<u>Smooth formwork to sides of raft foundations</u>				
27	Edges, risers, ends and reveals not exceeding 300mm high or wide 1 : 273 2 : 0 3 : 0 4 : 0 5 : 0	m	273		
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Smooth formwork not exceeding 3.5m high above bearing level, to:</u>				
28	Edges, risers, ends and reveals exceeding 300mm high or wide 1 : 14 2 : 0 3 : 0 4 : 0 5 : 0	m2	14		
29	Edges, risers, ends and reveals not exceeding 300mm high or wide 1 : 0 2 : 0 3 : 24 4 : 0 5 : 0	m	24		
30	Sides of rectangular columns 1 : 139 2 : 0 3 : 0 4 : 0 5 : 0	m2	139		
31	Soffits of slabs exceeding 250mm and not exceeding 500mm thick 1 : 0 2 : 0 3 : 35 4 : 0 5 : 0	m2	35		
32	Sides and soffits of isolated beams 1 : 341 2 : 0 3 : 0 4 : 0 5 : 0	m2	341		
	Carried Forward			R	
	Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA				

Brought Forward				R	
33	Sides of inverted beams (above concrete)	m2	6		
	1 : 0 2 : 0 3 : 6 4 : 0				
	5 : 0				
34	Sides and soffits of beams	m2	12		
	1 : 0 2 : 0 3 : 12 4 : 0				
	5 : 0				
<u>SUNDRY FORMWORK</u>					
<u>Boxing in smooth formwork to form:</u>					
35	20 x 20mm Vertical chamfer at corners.	m	525		
	1 : 525 2 : 0 3 : 0 4 : 0				
	5 : 0				
36	20 x 20mm Horizontal chamfer at corners.	m	1 140		
	1 : 1092 2 : 0 3 : 48 4 : 0				
	5 : 0				
<u>Smooth formwork to form:</u>					
37	Opening not exceeding 1m girth through concrete slabs not exceeding 255mm thick	No	2		
	1 : 2 2 : 0 3 : 0 4 : 0				
	5 : 0				
38	Opening exceeding 1m and not exceeding 2m girth through concrete slabs not exceeding 255mm thick	m	5		
	1 : 5 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>MOVEMENT JOINTS ETC.</u>					
<u>Expansion joints with Jointex or equivalent, between vertical concrete surfaces.</u>					
39	20mm Joints not exceeding 300mm high or wide.	m	43		
	1 : 43 2 : 0 3 : 0 4 : 0				
	5 : 0				
Carried Forward				R	
Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA					

	Brought Forward			R	
	<u>Expansion joints with Jointex or equivalent, between vertical concrete and brickwork surfaces.</u>				
40	15mm Joints not exceeding 300mm high or wide. 1 : 273 2 : 130 3 : 24 4 : 0 5 : 0	m	427		
	<u>Saw cut joints</u>				
41	50 x 3mm Saw cut joints in top of concrete 1 : 489 2 : 130 3 : 14 4 : 0 5 : 0	m	633		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>Steel reinforcement to structural concrete work</u>				
42	Steel reinforcing bars in foundations 1 : 16.43 2 : 4.90 3 : 0.90 4 : 0.00 5 : 0.00	t	22.23		
43	Steel reinforcing bars in structural concrete 1 : 9.97 2 : 0.00 3 : 1.81 4 : 0.00 5 : 0.00	t	11.78		
	<u>High tensile steel dowel bars.</u>				
44	16mm Diameter anti crack mild steel Y bars 1000mm long on stools around columns & corners 1 : 0.59 2 : 0.00 3 : 0.00 4 : 0.00 5 : 0.00	t	0.59		
45	16mm Diameter mild steel Y bars on stools to thickenings 1 : 0.00 2 : 0.92 3 : 0.07 4 : 0.00 5 : 0.00	t	0.99		
	<u>Fabric reinforcement</u>				
46	Type 193 fabric reinforcement in concrete surface beds, etc. 1 : 1041 2 : 0 3 : 0 4 : 0 5 : 0	m2	1 041		
	Carried Forward			R	
	Section No. 2 Bill No. 4 Concrete, Formwork & Reinforcement COEGA				

Ntshole Clinic Replacement of Existing Facility

	Brought Forward			R	
47	Type 193 fabric reinforcement on top of built up slabs, plinths, etc. 1 : 17 2 : 0 3 : 0 4 : 0 5 : 0	m2	17		
48	Type 193 fabric reinforcement in concrete surface beds laid to falls, etc. 1 : 273 2 : 130 3 : 24 4 : 0 5 : 0	m2	427		
49	Type 245 fabric reinforcement in concrete surface beds, etc. 1 : 0 2 : 424 3 : 35 4 : 0 5 : 0	m2	459		
Carried Forward to Summary of Section No. 2					
Section No. 2					
Bill No. 4					
Concrete, Formwork & Reinforcement					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 5</u> <u>PRECAST CONCRETE</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Sizes</u> Blocks, sills, etc. measured linear shall be made in suitable lengths. Large size setting out drawings shall be prepared where necessary and submitted to the principal agent for approval before moulds are made <u>General</u> Where kerbstones, blocks, etc. are laid in ground descriptions shall be deemed to include necessary excavation, filling in and ramming <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 2 Bill No. 5 Precast Concrete COEGA		R	

Brought Forward <u>Samples</u> Samples of all precast concrete works shall be priced, delivered to site and provided to the principal agent for approval. <u>Mortar</u> The mortar materials shall be mixed dry until a uniform colour is attained. Water shall then be added and the mixture turned over until the ingredients are thoroughly incorporated. The mortar shall be produced in such quantities that no setting occurs before use. (Usually less than 2 hours). When cement mortar is mixed old mortar that has already set shall be removed from the mixer or the platform as such mortar may not be incorporated in a new batch. No water shall be added afterwards to improve workability. <u>Accuracy in building</u> Unless specified otherwise accuracy grade II shall apply as set out in SANS 10155.		R	
Carried Forward Section No. 2 Bill No. 5 Precast Concrete COEGA		R	

Brought Forward				R
<u>PRECAST CONCRETE COPINGS, ETC</u>				
<u>Precast concrete finished smooth on exposed surfaces, bedded in class II mortar, including jointing, pointing</u>				
1	Coping type 014 "Modcon or similar approved" 370 x 75 x 65mm thick overall copings weathered on top to 65mm thick along one edge, with two drip grooves on the bottom along both edges and joint sealer on top side	m	154	
	1 : 131 2 : 0 3 : 23 4 : 0 5 : 0			
<u>PRECAST WINDOW SILLS</u>				
<u>Concrete "grey" sills in single lengths bedded in class I mortar including metal fixing lugs etc.</u>				
2	Coping type 036 "Modcon or similar approved" 370 x 125mm thick at its highest in the middle and sides tapered/ weathered down to 100mm thick at its lowest on both sides, with two drip grooves on the bottom along both edges and joint sealer on top side	m	60	
	1 : 54 2 : 0 3 : 5 4 : 0 5 : 0			
<u>PRECAST CONCRETE DUST BIN</u>				
3	500 x 500 x 800mm high Precast concrete dustbin with 50mm diameter hole at the bottom for drainage.	No	10	
	1 : 10 2 : 0 3 : 0 4 : 0 5 : 0			
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 5				
Precast Concrete				
COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 6</u> <u>MASONRY</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. <u>Joints</u> A 10mm clean joint must be left between the top surfaces of internal brick walls and the soffits of concrete slabs. Care must be taken to assure that no mortar, pieces of brick or any other objects exist in the joint <u>Wire Ties</u> Descriptions of brickwork shall be deemed to include wire ties			
	Carried Forward Section No. 2 Bill No. 6 Masonry COEGA		R	

Brought Forward <u>Face brickwork</u> Bricks shall be ordered timeously to obtain uniformity in size and colour. Descriptions of face brickwork shall be deemed to include pointing on all exposed surfaces. <u>Samples</u> Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site. <u>Storage of materials on site</u> Structural units delivered to the site shall be carefully unloaded by hand or crane, and placed on prepared areas free from clinker, ash or sulphate-bearing soils and in separate stacks according to strength. The stacks shall be protected from rain and arranged to allow free circulation of air. Cement shall be stored off the ground in a dry weatherproof structure to facilitate inspection and to permit the use of materials in the order of delivery. Sand shall be stored separately according to type and in such a way that it will not become contaminated. <u>Treatment of masonry units</u> Burnt clay units with an initial water absorption rate that exceeds 1,8 kg/m² min shall be wetted prior to laying to reduce the rate to between 0,7 and 1,8 kg/m² min. <u>Cleaning of facebrick</u> Cleaning of all face brick to be done with sugar soap. Remove surface contaminants using sugar soap solution - 500 g sugar soap powder dissolved in 5 litres water, or sugar soap liquid. All in strict accordance to manufacturers specifications. Washing of walls to be from bottom to top and to be done only with non-abrasive cloths. For stubborn contaminants use hot water in the above mix and a bristle broom or scrubbing brush. Rinse with tap water to remove all traces of sugar soap and allow to dry.		R	
Carried Forward Section No. 2 Bill No. 6 Masonry COEGA		R	

Brought Forward <u>Mortar</u> The mortar materials shall be mixed dry until a uniform colour is attained. Water shall then be added and the mixture turned over until the ingredients are thoroughly incorporated. The mortar shall be produced in such quantities that no setting occurs before use. (Usually less than 2 hours). When cement mortar is mixed old mortar that has already set shall be removed from the mixer or the platform as such mortar may not be incorporated in a new batch. No water shall be added afterwards to improve workability. <u>Accuracy in building</u> Unless specified otherwise accuracy grade II shall apply as set out in SANS 10155.		R	
Carried Forward Section No. 2 Bill No. 6 Masonry COEGA		R	

Brought Forward				R
<u>FOUNDATIONS</u>				
<u>Brickwork of NFX bricks or equally approved (14 MPa nominal compressive strength) in class II mortar</u>				
1	NFX Class II mortar: One brick walls 1 : 0 2 : 0 3 : 18 4 : 0 5 : 0	m2	18	
2	NFX Class II mortar: One and a half brick walls 1 : 0 2 : 201 3 : 0 4 : 0 5 : 0	m2	201	
<u>SUPERSTRUCTURE</u>				
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) perforated plaster brick size 222x73x106mm in class II mortar manufactured in accordance with SANS 227:2007</u>				
3	NFX Class II mortar: Half brick walls 1 : 632 2 : 357 3 : 28 4 : 0 5 : 0	m2	1 017	
4	NFP Class II mortar: Half brick linings built or battered against concrete columns in forming joints and closing 345mm wide cavity 1 : 262 2 : 0 3 : 0 4 : 0 5 : 0	m	262	
5	NFP Class II mortar: Half brick linings built or battered against door & window frames in closing 345mm wide cavity 1 : 225 2 : 50 3 : 26 4 : 0 5 : 0	m	301	
6	NFX Class II mortar: One brick walls 1 : 297 2 : 84 3 : 87 4 : 0 5 : 0	m2	468	
7	NFX Class II mortar: One brick walls in beamfilling 1 : 58 2 : 33 3 : 6 4 : 0 5 : 0	m2	97	
Carried Forward				R
Section No. 2 Bill No. 6 Masonry COEGA				

Ntshele Clinic Replacement of Existing Facility

Brought Forward				R
8	NFX Class II mortar: 345mm Cavity walls of two half brick skins including 50mm thick insulation (insulation measured elsewhere below) with return brick piers @ 1.5m centres and 3mm galvanised heavy duty butterfly ties (five ties per square metre) 1 : 652 2 : 364 3 : 67 4 : 0 5 : 0	m2	1 084	
9	NFX Class II mortar: 345mm Cavity walls of two half brick skins including lean mix concrete fill in cavity and galvanised heavy duty wall ties (five ties per square metre) 1 : 47 2 : 26 3 : 5 4 : 0 5 : 0	m2	77	
<u>Cavity wall insulation</u>				
10	High density 32-36kg/m ³ rigid extruded polystyrene 100% closed or equivalent cell insulation boarding 50mm thick x 600mm wide with tongue and groove joints fixed to inner skin of brick cavity wall such to shed moisture, with galvanised mild steel once bent support and holdback ties size 20 x 1,6 x 130mm girth with fishtailed ends built into horizontal joints in wall at maximum 600mm centres along top and bottom edges, including neatly notching board edges around wall ties, window and door frames. Performance and technical specifications to be provided for approval. 1 : 652 2 : 364 3 : 67 4 : 0 5 : 0	m2	1 084	
<u>Miscellaneous</u>				
11	Splayed mortar fillet two brick courses high in 115mm cavity 1 : 233 2 : 130 3 : 24 4 : 0 5 : 0	m	387	
12	Splayed mortar fillet one brick course high in 115mm cavity below window sills 1 : 90 2 : 18 3 : 8 4 : 0 5 : 0	m	117	
Carried Forward				R
Section No. 2 Bill No. 6 Masonry COEGA				

Ntshole Clinic Replacement of Existing Facility

Brought Forward				R
13	Splayed mortar fillet one brick course high in 115mm cavity above doors and windows 1 : 115 2 : 22 3 : 11 4 : 0 5 : 0	m	148	
14	Closing 115mm cavity of 345mm wall horizontally with brickwork (Closing the entire 345mm wall with roller or header course as per the building regulations) 1 : 323 2 : 148 3 : 32 4 : 0 5 : 0	m	504	
15	Closing 115mm cavity of hollow wall vertically with brickwork (Closing the entire 345mm wall with soldier or header course as per the building regulations) 1 : 463 2 : 46 3 : 24 4 : 0 5 : 0	m	532	
16	Prepare set of three 150 x 150 x 150mm mortar (10MPa) strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Representative/Agent. Only successful tests will be paid for 1 : 20 2 : 0 3 : 0 4 : 0 5 : 0	No	20	
<u>BRICKWORK SUNDRIES</u>				
<u>Brickwork reinforcement</u>				
17	75mm Wide reinforcement built in horizontally 1 : 5969 2 : 5116 3 : 505 4 : 0 5 : 0	m	11 591	
18	150mm Wide reinforcement built in horizontally 1 : 1285 2 : 247 3 : 307 4 : 0 5 : 0	m	1 838	
<u>Galvanised hoop iron cramps, ties, etc.</u>				
19	30 x 3mm Tie bond 400mm long galvanised mild steel ties with one end shot pinned to concrete and other end built into brickwork. Ties to be fitted to concrete with 2 Hilti shot studs each. 1 : 388 2 : 217 3 : 40 4 : 0 5 : 0	No	645	
Carried Forward				R
Section No. 2 Bill No. 6 Masonry COEGA				

Brought Forward				R
20	16 x 32 x 400mm Galvanised mild steel straps shot pinned to concrete and laid in mortar bed every fourth course 1 : 772 2 : 0 3 : 0 4 : 0 5 : 0 <u>Turning pieces to lintels, etc.</u>	No	772	
21	230mm Wide turning pieces 1 : 11 2 : 0 3 : 0 4 : 0 5 : 0	m	11	
22	345mm Wide turning pieces 1 : 24 2 : 4 3 : 3 4 : 0 5 : 0 <u>MOVEMENT JOINTS ETC.</u> <u>Expansion joints with Jointex or equivalent between vertical & horizontal concrete and brick surfaces.</u>	m	31	
23	20mm Isolation joints not exceeding 300mm high or wide. 1 : 262 2 : 0 3 : 0 4 : 0 5 : 0 <u>PRECAST CONCRETE</u> <u>Prestressed fabricated concrete lintels including necessary temporary supports</u>	m	262	
24	110 x 75mm Lintels in lengths not exceeding 3m 1 : 421 2 : 68 3 : 28 4 : 0 5 : 0	m	517	
25	110 x 75mm Lintels in lengths exceeding 4,5m and not exceeding 6m 1 : 4 2 : 0 3 : 0 4 : 0 5 : 0	m	4	
Carried Forward				R
Section No. 2 Bill No. 6 Masonry COEGA				

Brought Forward				R
<u>SUNDRY STEELWORK</u>				
<u>SUNDRY GALVANIZED STEELWORK</u>				
<u>Bearers to brick linings, lintels, etc</u>				
Angle corrosion specification:				
Hot dipped galvanised in accordance to SABS 763 (latest edition) in stock lengths cut to suit on site and "cold galvanise" cut ends with "Zincfix" or similar approved				
26	Two 90 x 90 x 6mm back to back angles to brick openings in forming lintels	kg	911	
	1 : 765 2 : 84 3 : 63 4 : 0 5 : 0			
<u>AIR BRICKS</u>				
27	229 x 152mm Glazed clay vermin proof air bricks	No	50	
	1 : 50 2 : 0 3 : 0 4 : 0 5 : 0			
<u>FACE BRICKWORK</u>				
<u>Facebricks prime cost of R 7000,00 per thousand excluding VAT delivered to site, with nominal strength of 20-30MPa manufactured in accordance with SANS 227, bedded and jointed in Class II mortar and pointed with square recessed horizontal and vertical joints.</u>				
28	One face brick walls pointed on both sides	m2	140	
	1 : 140 2 : 0 3 : 0 4 : 0 5 : 0			
29	Extra over brickwork for face brickwork	m2	1 009	
	1 : 559 2 : 312 3 : 138 4 : 0 5 : 0			
30	Extra over brickwork for brick-on-edge header course band.	m	712	
	1 : 535 2 : 130 3 : 47 4 : 0 5 : 0			
Carried Forward				R
Section No. 2 Bill No. 6 Masonry COEGA				

Ntshele Clinic Replacement of Existing Facility

	Brought Forward			R	
31	Extra over brickwork for Fair raking cutting at gables 1 : 46 2 : 0 3 : 0 4 : 0 5 : 0	m	46		
32	Extra over brickwork for brick-on-edge header course lintel. 1 : 113 2 : 27 3 : 11 4 : 0 5 : 0	m	151		
33	230mm Wide sill set sloping and slightly projecting 1 : 78 2 : 23 3 : 8 4 : 0 5 : 0	m	109		
Carried Forward to Summary of Section No. 2					
Section No. 2					
Bill No. 6					
Masonry					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 7</u> <u>WATERPROOFING</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Waterproofing</u> Waterproofing of roofs, basements, etc. shall be laid under a ten 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 <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. Carried Forward Section No. 2 Bill No. 7 Waterproofing COEGA			
			R	

Brought Forward <u>DAMP-PROOFING OF WALLS AND FLOORS</u> 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 labour to turn-ups and turn-downs <u>Guarantee</u> Waterproofing of roofs, basements, etc. shall be laid under a ten 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. <u>Joint sealants</u> The colour of joint sealants in brickwork or concrete shall match the colour of the adjacent brick or concrete finish		R	
Carried Forward Section No. 2 Bill No. 7 Waterproofing COEGA		R	

Brought Forward				R
<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
<u>One layer of 375 micron "Gundle Plastall Brikgrit DPC" or equivalent embossed damp proof course</u>				
1	Under half brick walls 1 : 24 2 : 14 3 : 1 4 : 0 5 : 0	m2	39	
2	Under one brick walls 1 : 32 2 : 6 3 : 12 4 : 0 5 : 0	m2	50	
3	Under 345mm wide cavity brick walls cranked DPC sandwiched between 2 half beds of mortar 1 : 82 2 : 107 3 : 8 4 : 0 5 : 0	m2	197	
4	Under window sills (dpc to be tucked under frames, turned up at the end and folded back to stick) 1 : 66 2 : 16 3 : 6 4 : 0 5 : 0	m2	88	
<u>One layer of 250 micron "Gunplas USB Green" or equivalent waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape" or equivalent.</u>				
5	Under surface beds 1 : 0 2 : 424 3 : 35 4 : 0 5 : 0	m2	459	
6	Raft Foundations 1 : 1041 2 : 0 3 : 0 4 : 0 5 : 0	m2	1 041	
7	Vertically Between Raft Ground Beams 1 : 1024 2 : 0 3 : 0 4 : 0 5 : 0	m2	1 024	
8	Under aprons 1 : 273 2 : 130 3 : 24 4 : 0 5 : 0	m2	427	
Carried Forward				R
Section No. 2 Bill No. 7 Waterproofing COEGA				

Brought Forward					R
	<u>Two layers of 250 micron "Gundle Plastall GunplasUSB Green" or equivalent waterproof sheeting sealed at laps with Gunplas Pressure Sensitive tape or equivalent</u>				
9	Under built up slabs	m2	17		
	1 : 17 2 : 0 3 : 0 4 : 0 5 : 0				
	<u>Two coats "Flintkote Type 5" or equally approved bitumen emulsion waterproof coating</u>				
10	Around window and door frame surrounds against and between brickwork, concrete, galvanised angles, cementitious filler, etc.	m2	139		
	1 : 106 2 : 23 3 : 10 4 : 0 5 : 0				
	<u>WATERPROOFING TO ROOFS, RETAINING WALLS, ETC.</u>				
	<u>Design (Propose), supply and install Torch on waterproofing system. All surfaces to be clean dry, sound and free of oils and laitance. Apply one layer abe.® Unigum MS or equally approved dual reinforced mineral surface waterproofing membrane, fully bonded by means of "torch on fusion" to concrete, screed and brickwork surfaces where applicable, with 100mm side laps and 150mm end laps, all in accordance with manufacturer's 'Technical Specifications and Applications Manual'</u>				
	<u>Roofs</u>				
11	On roofs to falls at minimum 1:100	m2	35		
	1 : 0 2 : 0 3 : 35 4 : 0 5 : 0				
12	Extra over additional membrane at 100mm diameter outlet	No	2		
	1 : 0 2 : 0 3 : 2 4 : 0 5 : 0				
Carried Forward					R
Section No. 2 Bill No. 7 Waterproofing COEGA					

	Brought Forward			R	
	<u>One layer Geotextile: Bidim A3 or equally approved product with 100mm laps on waterproofing</u>				
	<u>Roofs</u>				
13	On roofs to falls at minimum 1:100 1 : 0 2 : 0 3 : 35 4 : 0 5 : 0	m2	35		
14	Extra over membrane against a 100mm diameter outlet 1 : 0 2 : 0 3 : 2 4 : 0 5 : 0	No	2		
	<u>25mm crushed stone ballast 50mm thick</u>				
	<u>Roofs</u>				
15	On roofs to falls at minimum 1:100 1 : 0 2 : 0 3 : 35 4 : 0 5 : 0	m2	35		
	<u>Isoboard® or equally approved high density 32-36kg/m³ rigid extruded polystyrene 100% closed cell insulation boarding 80mm thick x 600mm wide with tongue and groove joints laid tightly butted on waterproofing membrane, secured under 20mm nominal gravel</u>				
16	On flat roofs 1 : 0 2 : 0 3 : 35 4 : 0 5 : 0	m2	35		
	<u>BOND BREAKERS, ETC.</u>				
	<u>One layer of 250 micron "Gundle Plastall Gunplas USB Green" or equivalent waterproof sheeting sealed at laps with Gunplas Pressure Sensitive tape or equivalent</u>				
17	Under plinths 1 : 17 2 : 0 3 : 0 4 : 0 5 : 0	m2	17		
	Carried Forward			R	
	Section No. 2 Bill No. 7 Waterproofing COEGA				

Brought Forward					R
<u>WATERPROOFING TO SHOWERS</u>					
<u>Design, supply and install "Cementitious flexible waterproofing slurry" lanko Hydroflex embedded or equally approved, in a polyester cloth where necessary</u>					
18	On floors around slop hoppers	m2	5		
	1 : 5 2 : 0 3 : 0 4 : 0				
	5 : 0				
19	On floors around showers	m2	13		
	1 : 1 2 : 12 3 : 0 4 : 0				
	5 : 0				
20	On shower walls	m2	54		
	1 : 6 2 : 48 3 : 0 4 : 0				
	5 : 0				
<u>PROTECTION BOARDS</u>					
21	10mm Thick softboard protection board placed vertically between waterproofing (elsewhere) and backfilling.	m2	35		
	1 : 0 2 : 0 3 : 35 4 : 0				
	5 : 0				
<u>JOINT SEALANTS ETC.</u>					
<u>"Polyurethane" or equivalent Sealant UV protected to manufacturers specification.</u>					
22	15mm "Polyurethane" Sealant in wall joints between door frame and plastered surfaces (painted).	m	860		
	1 : 787 2 : 42 3 : 31 4 : 0				
	5 : 0				
23	15mm "Polyurethane" Sealant in wall joints between aluminium window frame and plastered surfaces (painted).	m	877		
	1 : 644 2 : 178 3 : 55 4 : 0				
	5 : 0				
24	15mm "Polyurethane" Sealant around sanitary fittings (painted).	m	148		
	1 : 97 2 : 47 3 : 4 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2 Bill No. 7 Waterproofing COEGA					

Brought Forward					R
25	15mm "Polyurethane" Sealant on ceiling W- trim shadowlines. 1 : 879 2 : 416 3 : 0 4 : 0 5 : 0	m	1 295		
26	20mm "Polyurethane" Sealant in horizontal wall joints (painted). 1 : 1152 2 : 546 3 : 116 4 : 0 5 : 0	m	1 814		
27	20mm "Polyurethane" Sealant in vertical wall joints (painted). 1 : 525 2 : 0 3 : 0 4 : 0 5 : 0	m	525		
28	20mm "Polyurethane" Sealant on top of skirtings (painted). 1 : 352 2 : 416 3 : 46 4 : 0 5 : 0	m	814		
<u>Waterproofing membrane seal including primer, etc.</u>					
29	Supply & Install 2 layers of Waterproofing membrane seal x 230mm wide in expansion joints between brickwork and concrete soffits including raking out expansion joint filler as necessary 1 : 273 2 : 0 3 : 24 4 : 0 5 : 0	m	297		
<u>FIRE SEALING</u>					
The following are to be design & supply items and approved by the fire engineer					
<u>Fire seal to wall joints</u>					
30	15 x 20mm 2 Hour Fire Seal around door frames and brick surfaces including raking out expansion joint filler as necessary and applying approved priming coats 1 : 11 2 : 0 3 : 0 4 : 0 5 : 0	m	11		
Carried Forward to Summary of Section No. 2					R
Section No. 2 Bill No. 7 Waterproofing COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 8</u> <u>ROOF COVERINGS, ETC.</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Guarantee</u> A written and approved five-year guarantee of water-tightness shall be issued after approval of roofs by the manufacturer <u>Cleaning of finishes</u> All finishes shall be thoroughly cleaned down on completion. No additional costs for cleaning will be entertained <u>Cutting & wastage</u> All straight and raking cutting and waste must be allowed for in the rates Carried Forward Section No. 2 Bill No. 8 Roof Covering COEGA			
			R	

Brought Forward <u>PROFILE SHEETING AND ACCESSORIES</u> <u>Sheeting:</u> 0,80mm Approved Z275 or equivalent IBR profile galvanised steel roof sheeting with standard colour one side in single lengths and accessories fixed to steel purlins or battens at 750mm centres: grey finish topcoat and grey backing coat roof sheeting, fixed to steel intermediate purlins at max 2500mm centres and eaves and ridge purlins at max 2100mm using manufacturer's clips fixed according to manufacturer, all following the manufacturer's specifications with guarantee. Colour: Graphite. • The male rib shall have spurs to ensure a positive double interlocking action at side-Laps. • Each pan shall incorporate transverse stiffener ribs. • Vandal proof pv clamp for solar panels to be approved manufacturer and not void roof sheeting guarantee. • Manufacturer to be certified as complying with ISO 9001:2015 quality management system. • Fasteners must be selected to match the life expectancy of the roofing and cladding material. The coating class for fasteners, complying with SANS 1273, should be used in conjunction with all roofing and cladding material. • All flashings to match the sheeting. <u>Flashings:</u> Flashings shall match the roof sheeting <u>Erection:</u> Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced. Carried Forward Section No. 2 Bill No. 8 Roof Covering COEGA		R	
		R	

Ntshele Clinic Replacement of Existing Facility

Brought Forward <u>Safety:</u> The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity. <u>Handling and storing:</u> The contractor shall ensure that all materials used on site for cladding, etc. are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.			R	
Carried Forward Section No. 2 Bill No. 8 Roof Covering COEGA			R	

Brought Forward				R	
ROOFING					
<u>0,80mm Approved Z275 or equivalent IBR profile galvanised steel roof sheeting with standard colour one side in single lengths and accessories fixed to steel purlins or battens at 750mm centres: using manufacturer's clips fixed according to manufacturer, all following the manufacturer's specifications with guarantee. Colour: Graphite</u>					
1	Roof covering with pitch not exceeding 25 degrees 1 : 1093 2 : 445 3 : 0 4 : 0 5 : 0	m2	1 538		
<u>FLASHINGS, ETC.</u>					
<u>Flashings to match roof sheeting, fixed in strict accordance with the manufacturer's instructions, including any necessary sealer strips on overlaps, closure pieces, etc</u>					
2	Counter flashing, 130 mm girth, three times bent to detail 1 : 41 2 : 20 3 : 0 4 : 0 5 : 0	m	60		
3	Headwall flashing, 320 mm girth, twice bent to detail 1 : 14 2 : 7 3 : 0 4 : 0 5 : 0	m	20		
4	Sidewall flashing, 598 mm girth, twice bent to detail 1 : 175 2 : 83 3 : 0 4 : 0 5 : 0	m	258		
5	Apex flashing, 530 mm girth, three times bent to detail 1 : 131 2 : 62 3 : 0 4 : 0 5 : 0	m	193		
6	Ridge capping 550mm girth bent three times and notched to suit roof 1 : 96 2 : 40 3 : 0 4 : 0 5 : 0	m	136		
Carried Forward				R	
Section No. 2 Bill No. 8 Roof Covering COEGA					

Brought Forward					R
<u>INSULATION</u>					
<u>Sisalation FR 430 or equally approved insulation laid to manufacturer's specification and SANS 10400 standard:</u>					
7	Insulation laid taut over steel purlins (at approximately 750mm centres) and fixed concurrent with roof covering including white PVC coated straining wires at 383mm centres.	m2	1 538		
	1 : 1093 2 : 445 3 : 0 4 : 0 5 : 0				
<u>BIRDPROOFING</u>					
8	uPVC Bird proofing 400mm wide including pair of 50 x 50 mm galvanised fixing angles.	m	52		
	1 : 52 2 : 0 3 : 0 4 : 0 5 : 0				
<u>TESTS</u>					
<u>Flood testing</u>					
9	Perform flood or leak testing for the entire roof & gutters, fix leaks (if any) and re-do the flood test ensuring no leaks at handover.	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0				
Carried Forward to Summary of Section No. 2					R
Section No. 2					
Bill No. 8					
Roof Covering					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 9</u> <u>CARPENTRY AND JOINERY</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Particle board</u> Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type <u>Joinery</u> Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc. Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. Carried Forward Section No. 2 Bill No. 9 Carpentry & Joinery COEGA			
			R	

Brought Forward <u>Fixing:</u> Items described as nailed or plugged shall be deemed to be fixed to brickwork or concrete. Where the method of fixing is not described, descriptions shall be deemed to include fixing of timber to timber in a method approved by the architect. Descriptions of hardwood joinery shall be deemed to include pelleting of holes for bolts <u>Doors</u> Flush doors with rebated meeting stiles to have hard wood edge strips to meeting stiles not less than 19mm thick Hardboard and veneer coverings to doors will be suitable to receive paint or varnish All doors to be equivalent to samples to be equivalent to samples to be submitted to the architect for approval			R	
Carried Forward Section No. 2 Bill No. 9 Carpentry & Joinery COEGA			R	

Brought Forward <u>PRE-FABRICATED TIMBER ROOF TRUSSES AND ASSOCIATED BRACING</u> NOTE: The following is applicable in respect of roof trusses and bracing: Plate nailed timber trusses shall be of approved design and manufacture and constructed with softwood structural timber by a truss Fabricator holding a current Certificate of Competence awarded by the Institute of Timber Construction. Each roof truss shall have all its members accurately cut and closely butted together and rigidly fixed by CSIR or acceptable approved patented galvanized metal spiked connectors, precision pressed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions. The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered Structural Engineer in accordance with SABS 0160 and SABS 0163, who shall, after erection, provide a certificate confirming that the design, manufacture, transportation, erection and bracing has been carried out in accordance with this specification. The design shall include for all live loads, wind loads and dead loads imposed by roof covering, purlins, ceilings, etc. Fully detailed shop drawings of all trusses, etc., indicating sizes, bracing, loading, etc., shall be submitted to the Representative/Agent for approval prior to fabrication. Erection shall be carried out in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber Roof Trusses" published by the Institute for Timber Construction and the Council for Scientific and Industrial Research or as detailed by the designer. Prices for roof trusses and bracing shall include design and preparation of shop drawings.		R	
Carried Forward Section No. 2 Bill No. 9 Carpentry & Joinery COEGA		R	

	Brought Forward			R	
	<u>ROOFS, ETC</u> <u>Plate nailed timber roof truss construction</u> The following is applicable in respect of roof trusses (only as a guide): Trusses are at maximum 1 200mm centres. Roof covering is "Klip-Lok/ Chromadeck" roof sheeting on 50 x 75mm purlins at 1 200mm maximum centres. All timber to be sawn softwood in accordance with V4 or M4 as defined in SABS 563 or SABS 1245. Metal connector plates shall have a minimum yield strength of 228 MPa and a minimum ultimate tensile strength of 330 Mpa with hot-dip galvanised finish. All joints to be close fitted butt joints. Trusses shall be designed by a registered supplier of prefabricated trusses who shall issue an Engineers Certificate upon completion of the installation. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences. <u>Sawn softwood pre-fabricated plate nailed timber in roof construction to roofs complete with 38 x 114mm wall plates treated with carbolinium before fixing, trusses, jack rafters, additional supports for jack trusses, etc., all necessary permanent bracing, metal hangers, cleats, bolts, etc., purlins as described and one gang plank per roof layout over entire building length between fire walls (Roof covering and fascias elsewhere)</u>				
1	Staff Accommodation: Building truss size approximately 220m²m overall with approved overhang. Trusses to be of 152 x 38mm (Size to be determined by the contractor, provided size is only a guide) SA pine grade 6 prefabricated timber (design & installation with COC provided) including design, manufacture, supply & install on site, purlins, cleats, connectors, hangers, storm clips on the bottom 2 rows on both eaves and roof support for the solar geyser	No	2		
	1 : 0 2 : 2 3 : 0 4 : 0 5 : 0				
	Carried Forward			R	
	Section No. 2 Bill No. 9 Carpentry & Joinery COEGA				

Brought Forward					R
<u>ROOF SUNDRIES</u>					
<u>Sawn softwood</u>					
2	76 x 38mm Wall plates	m	23		
	1 : 0 2 : 0 3 : 23 4 : 0				
	5 : 0				
<u>EAVES, VERGES, ETC.</u>					
<u>Nutec-cement or equally approved</u>					
3	19 x 286mm Fibre cement socketed bargeboard, including aluminium H-profile jointing strips or equally acceptable jointing method, painted (Painting measured elsewhere)	m	403		
	1 : 273 2 : 130 3 : 0 4 : 0				
	5 : 0				
<u>DOORS, ETC.</u>					
<u>40mm Thick Solid Timber Flush Door with concealed hardwood edges all round, with 3,2mm masonite covering to both sides hung to aluminium frame.</u>					
4	40mm Door 0,813 x 2,134m high	No	4		
	1 : 4 2 : 0 3 : 0 4 : 0				
	5 : 0				
5	40mm Door 0,813 x 2,134m high with and including opening for a 0,300 x 0,400m high ventilation louvre (louvre measured elsewhere)	No	3		
	1 : 3 2 : 0 3 : 0 4 : 0				
	5 : 0				
6	40mm Door 0,964 x 2,125m high	No	10		
	1 : 3 2 : 4 3 : 3 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2 Bill No. 9 Carpentry & Joinery COEGA					

Brought Forward				R
	40mm Thick Hollow Core Timber Flush Door undercut by 100mm, with concealed hardwood edges all round, with 3,2mm masonite covering to both sides hung to aluminium frame.			
7	40mm Door 0,877 x 2,125m high (undercut by 100mm) 1 : 7 2 : 0 3 : 0 4 : 0 5 : 0	No	7	
8	40mm Door 0,762 x 2,134m high (undercut by 100mm) 1 : 4 2 : 0 3 : 0 4 : 0 5 : 0	No	4	
	40mm Thick Semi Solid Door with concealed hardwood edges all round, with 3,2mm masonite covering to both sides hung to aluminium frame.			
9	40mm Door 0,826 x 2,125m high - Db Cabinet Door 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1	
	<u>FIRE DOORS, ETC.</u> <u>Class B, Low formaldehyde fire door, with and including "en-suite" cylinder lockset and with pressed steel frame suitable for one brick walls (All fire rated).</u>			
10	Double Door 1,510 x 2,110m high. 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 9				
Carpentry & Joinery				
COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 10</u> <u>CEILINGS & BULKHEADS</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary suspended ceilings</u> Hangers, suspension grids, "lay-in" panels, etc. are to be in accordance with the manufacturers' recommendations Electrical light fittings, diffusers, panels, etc. are generally "lay-in" units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof) <u>Flush plastered Rhinoboard suspended ceilings</u> Ceilings shall comprise 9.5mm &/or 12mm rhinoboard plasterboard boards screwed to and including screw-up suspension grid consisting of main tees at 1 200mm centres and galvanised steel capped cross tees at 400mm centres and with tape fixed over joints and the whole finished with gypsum or equivalent plaster trowelled to a smooth polished surface Carried Forward Section No. 2 Bill No. 10 Ceilings COEGA			
			R	

Brought Forward The grid shall be suspended by means of galvanised steel L-section hangers at suitable centres, securely shot-pinned or screwed to concrete, steel or wood <u>Finish</u> Unless otherwise stated, all surfaces shall be skimmed and covered with Gyproc Rhinolite Multi-purpose (Phosphogypsum locally manufactured) or equivalent <u>Fixing</u> Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere <u>Ceilings</u> Unless otherwise described ceilings shall be deemed to be horizontal <u>Bulkheads</u> Bulkheads are those areas of the ceilings which occur at a level or plane differing from the general ceiling level or plane. Their function is to conceal services, or merely to create an architectural feature. Bulkheads will only be measured as such when they conform with the above description and when the horizontal or vertical dimensions do not exceed 2 000mm. Where these dimensions exceed 2 000mm the horizontal or vertical ceilings are included in the general ceiling measurements. Unless otherwise described bulkheads shall be deemed to be horizontal along the length <u>Openings</u> Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc. are to include for any necessary additional support, trimming around, etc. and are to be included on the rates for ceilings		R	
Carried Forward Section No. 2 Bill No. 10 Ceilings COEGA		R	

Brought Forward <u>NOTES</u> Tenderers are to allow for special scaffolding in their rates as no additional claim will be entertained in this regard Drawings showing the services in the ceiling voids are available for inspection by appointment at the offices of the various consultants The contractor is to ensure that no tees and cross tees are suspended from any services such as electrical cable trays, etc. The contractor must supply the architect with suspended rods for approval before installation Prices shall include for all holes, notching, etc. All tenderers must make allowance within the rates for any sub-frames that might be required in the design, as no additional claims in this regard will be entertained		R	
Carried Forward Section No. 2 Bill No. 10 Ceilings COEGA		R	

Brought Forward				R
<u>SUSPENDED CEILINGS</u>				
<u>6,4mm Gypsum or equivalent ceiling board, in varying lengths including expansion joints every 5 meters, using DONN products or equivalent joint. All edges of bulkheads to have DONN or equivalent edge bonding, fixed by means of the 'screw-up' system to and including GMS drywall studs of DONN T37S or equivalent grid system. Spaced and framed to prevent all deflection or sagging, all framed and screwed up, suspended from roof steelwork or shot bolted to concrete or brickwork including necessary joists suspended between trusses where vertical supports cannot otherwise be suspended from steel purlins, with all rivet holes neatly patched up. Apply Fibatape to all joints and scrimmed and skimmed and sanded down to leave a perfectly flush and level bulkhead ready for decoration</u>				
1	Ceilings suspend exceeding 1m and not exceeding 2m below concrete soffits & steel trusses	m2	561	
	1 : 137 2 : 424 3 : 0 4 : 0 5 : 0			
2	Extra over ceilings for 600mm x 600mm trapdoor	No	2	
	1 : 2 2 : 0 3 : 0 4 : 0 5 : 0			
3	Extra over ceiling for opening for 165mm diameter downlighter	No	10	
	1 : 10 2 : 0 3 : 0 4 : 0 5 : 0			
Carried Forward				R
Section No. 2 Bill No. 10 Ceilings COEGA				

Brought Forward				R
	<u>Thermoceil ripple white vinyl clad calcium silicate ceiling tiles size 1195 x 595 x 6mm thick laid on and including CKMT38 x24mm/T38 or equivalent White powder coated main tees and CKMT38x24mm or equivalent cross tees, hold-down clips, wedges, etc. with galvanised 4mm diameter suspension rod and hook with spring clip and Suspension plate at centres not exceeding 1200mm in both directions. Suspension rods are to be attached with 25x25x25x1,6mm angle cleats shot nailed to concrete or bolted to steel or screwed to timber purlins.</u>			
4	Ceilings suspended exceeding 1m not exceeding 2m below concrete soffits 1 : 904 2 : 0 3 : 0 4 : 0 5 : 0	m2	904	
5	Extra over ceiling for opening for 165mm diameter downlighter 1 : 20 2 : 0 3 : 0 4 : 0 5 : 0	No	20	
	<u>12.5mm Moisture resistant flush plasterboard ceiling fixed on hot dipped galvanised steel suspension fittings, screw-up tee grid including 25x25mm hangers, 25mm rhino board sharp point screws @ 150mm centres, etc., with self adhesive glass fire tape & quick setting joint filler and the whole finished with 3mm to 6mm lightweight retarded semi hydrate gypsum or equivalent "Rhinolite" or equivalent plaster trowelled to a smooth polished surface</u>			
6	Ceilings suspend not exceeding 1m below timber trusses 1 : 7 2 : 21 3 : 0 4 : 0 5 : 0	m2	28	
Carried Forward				R
Section No. 2 Bill No. 10 Ceilings COEGA				

Brought Forward				R
	<u>OWAconstruct or equally approved shadow line W-Trim, plugged and screwed at centres not exceeding 200mm</u>			
7	W-Trim Shadow line 1 : 879 2 : 416 3 : 0 4 : 0 5 : 0	m	1 295	
	<u>BULKHEADS</u>			
	<u>12.5mm Flush plasterboard bulkhead fixed on hot dipped galvanised steel suspension fittings, screw-up tee grid including 25x25mm hangers, 25mm rhino board sharp point screws @ 150mm centres, etc., with self adhesive glass fire tape & quick setting joint filler and the whole finished with 3mm to 6mm lightweight retarded semi hydrate gypsum "Rhinolite" or equivalent plaster trowelled to a smooth polished surface</u>			
8	Bulkhead 500mm high x 1 600mm wide 1 : 25 2 : 0 3 : 0 4 : 0 5 : 0	m	25	
9	Ditto the above for a vertical closure piece (1 600mm wide x 500mm high) 1 : 5 2 : 0 3 : 0 4 : 0 5 : 0	No	5	
10	Bulkhead 600mm high x 1 600mm wide 1 : 30 2 : 0 3 : 0 4 : 0 5 : 0	m	30	
11	Ditto the above for a vertical closure piece (1 600mm wide x 600mm high) 1 : 5 2 : 0 3 : 0 4 : 0 5 : 0	No	5	
	<u>INSULATION</u>			
12	50mm Fibreglass or equivalent insulation closely fitted and laid on top of bracing between roof timbers, etc., all as per manufacturers instructions 1 : 1041 2 : 424 3 : 0 4 : 0 5 : 0	m2	1 465	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 10				
Ceilings				
COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 11</u> <u>FLOOR COVERINGS</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Cleaning of finishes</u> All finishes shall be thoroughly cleaned down on completion. No additional costs for cleaning will be entertained <u>Cutting & wastage</u> All straight, circular and raking cutting and waste must be allowed for in the rates <u>Bonding liquid and Keycoats</u> All bonding liquids and keycoats must be allowed for in the rates Carried Forward Section No. 2 Bill No. 11 Floor Coverings, etc. COEGA			
			R	

Brought Forward <u>Setting out</u> Care shall be exercised in setting out the work, the preparation of templets and the checking of the detail drawings. All measurements shall be taken on the site where necessary and the full size setting out of each course shall be done at the yard so as to ensure proper fitting Before putting any work in hand the contractor is to submit to the architect for his approval details of the manner in which he proposes to set out the slabs and joints in all wall facings, pavings, sills, treads, etc together with samples of grain or pattern matching		R	
Carried Forward Section No. 2 Bill No. 11 Floor Coverings, etc. COEGA		R	

Brought Forward				R	
<u>VINYL</u>					
<u>2,5mm Thick "Superflex" or equally approved vinyl sheet flooring manufactured in accordance with SANS 786 laid with approved adhesive on previously prepared subfloors. Joints to be butted, grooved and heat welded ensuring that the welding rod bonds to more than 70% of the sheet thickness:</u>					
<u>PC Allowance of R300.00 per m2 is to be allowed for, excluding VAT, for the site delivered vinyl material price only, Tenderers are to include the price as per the PC amount stated and add their own labour, vinyl glue, grout, mark up, etc.</u>					
1	On Floors and landings	m2	880		
	1 : 880 2 : 0 3 : 0 4 : 0				
	5 : 0				
2	150mm High coved vinyl skirting	m	510		
	1 : 510 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>SCREEDS</u>					
<u>Self Levelling Screeds</u>					
3	ITE F30 or equivalent self levelling screed in strict accordance with manufacturers specifications at an average thickness of 3mm to 4mm.	m2	880		
	1 : 880 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>MOISTURE BARRIER</u>					
<u>Epoxy moisture barrier rolled in two coats</u>					
4	On floors	m2	880		
	1 : 880 2 : 0 3 : 0 4 : 0				
	5 : 0				
Carried Forward				R	
Section No. 2 Bill No. 11 Floor Coverings, etc. COEGA					

Brought Forward					R
<u>POLISH, SEALERS, ETC.</u>					
5	Strip newly laid vinyl floors (after 72 hours) using FloorworX or equivalent Stripper, scrub using a diluted solution of FloorworX or equivalent, rinse and then seal with 3 coats of FloorworX (or equivalent) Silk Matt or Gloss Sealer				
	1 : 880	2 : 0	3 : 0	4 : 0	
	5 : 0				
			m2	880	
Carried Forward to Summary of Section No. 2					R
Section No. 2					
Bill No. 11					
Floor Coverings, etc.					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 12</u> <u>IRONMONGERY</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. <u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered : CH Chromium plated : SC Satin chromium plated : SE Silver enamelled : GE Grey enamelled : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated. Carried Forward Section No. 2 Bill No. 12 Ironmongery COEGA			
			R	

Brought Forward					R
<u>HINGES, BOLTS, DOOR STOPS, ETC.</u>					
<u>Approved hinges, bolts, etc.</u>					
1	1 pair of stainless steel two ball bearing butt hinge 1 : 19 2 : 0 3 : 0 4 : 0 5 : 0	No	19		
2	1.5 pair of stainless steel two ball bearing butt hinge 1 : 18 2 : 0 3 : 0 4 : 0 5 : 0	No	18		
3	Stainless steel indicator door bolt. 1 : 11 2 : 0 3 : 0 4 : 0 5 : 0	No	11		
4	Stainless steel door stop. 1 : 98 2 : 4 3 : 3 4 : 0 5 : 0	No	105		
5	Hat and coat hook 1 : 10 2 : 12 3 : 1 4 : 0 5 : 0	No	23		
<u>LOCKS, HANDLES, ETC.</u>					
Approved locks:					
6	Handle on 150 x 45mm pressed backplate with anodised silver finish including euro profile or equivalent cylinder upright lock case and 66mm euro profile or equivalent double cylinder 1 : 17 2 : 0 3 : 0 4 : 0 5 : 0	No	17		
7	Aluminium helping hand disabled facility indicator bolt with anodised silver finish. Stainless steel bolt-through pull handle size 152 x 19mm inside & outside leaves. 1 : 3 2 : 0 3 : 0 4 : 0 5 : 0	No	3		
Carried Forward					R
Section No. 2 Bill No. 12 Ironmongery COEGA					

Brought Forward					R
8	Waterbok or equivalent handle on 150 x 45mm pressed backplate with anodised silver finish euro profile or equivalent cylinder lock set with satin chrome handle finish including powder coated euro profile cylinder lock & 2 x 28np euro profile cylinder with zinc back plate (or equivalent)	No	11		
	1 : 11 2 : 0 3 : 0 4 : 0 5 : 0				
<u>PUSH PLATES AND KICK PLATES</u>					
<u>1.2mm Thick Grade 304 stainless steel plates countersunk screwed along edges at not exceeding 200mm centres.</u>					
9	2 x 152 x 178mm High push plate fitted on inside of leaf only	No	11		
	1 : 11 2 : 0 3 : 0 4 : 0 5 : 0				
10	2 x 152 x 750mm High kick plate fitted on bottom of leaf on both sides of the door	No	11		
	1 : 11 2 : 0 3 : 0 4 : 0 5 : 0				
<u>DOOR CLOSERS</u>					
<u>Approved door closers:</u>					
11	Overhead door closer with regular arm and necessary mounting brackets, etc.	No	16		
	1 : 16 2 : 0 3 : 0 4 : 0 5 : 0				
<u>LETTERS, NAMEPLATES, ETC.</u>					
<u>Clear perspex name plate reverse engraved and enamelled in lettering 25mm high to suit, twice countersunk holed for and tap screwed to steel door frame with chromium plated dome-headed self tapping screws</u>					
12	3mm Thick x 32mm wide plate with letters "KITCHEN"	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0				
Carried Forward					R
Section No. 2 Bill No. 12 Ironmongery COEGA					

Ntshole Clinic Replacement of Existing Facility

Brought Forward					R	
13	3mm Thick x 32mm wide plate with letters "PANTRY" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
14	3mm Thick x 32mm wide plate with letters "STAFF ROOM" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
15	3mm Thick x 32mm wide plate with letters "WAITING ROOM" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
16	3mm Thick x 32mm wide plate with letters "PRE-DELIVERY ROOM" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
17	3mm Thick x 32mm wide plate with letters "DELIVERY ROOM" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
18	3mm Thick x 32mm wide plate with letters "SLUICE ROOM" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
19	3mm Thick x 32mm wide plate with letters "MANAGER'S OFFICE" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
20	3mm Thick x 32mm wide plate with letters "RECORDS ROOM" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
21	3mm Thick x 32mm wide plate with letters "MEDICINE STORE" 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1			
Carried Forward					R	
Section No. 2 Bill No. 12 Ironmongery COEGA						

Ntshеле Clinic Replacement of Existing Facility

Brought Forward					R	
22	3mm Thick x 32mm wide plate with letters "TREATMENT ROOM"	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0					
23	3mm Thick x 32mm wide plate with letters "TB COUNSELLING ROOM"	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0					
24	3mm Thick x 32mm wide plate with letters "CONSULTING ROOM 1/2/3"	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0					
25	3mm Thick x 32mm wide plate with letters "LAUNDRY"	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0					
26	3mm Thick x 32mm wide plate with letters "GARDEN STORE"	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0					
27	3mm Thick x 32mm wide plate with letters "DOMESTIC WASTE"	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0					
28	3mm Thick x 32mm wide plate with letters "MEDICAL WASTE"	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0					
<u>Approved letters, name plates, etc:</u>						
29	Engraved grade 304 stainless steel information sign, size 300 x 62 x 1,2mm with black (bold) 100mm (size) printed lettering (arial narrow) printed on including fixing to top of aluminium door frames (tenderer is to including the lettering to fit on to the size maximum 300mm long.	No	19			
	1 : 19 2 : 0 3 : 0 4 : 0 5 : 0					
<u>SUNDRIES</u>						
Carried Forward					R	
Section No. 2 Bill No. 12 Ironmongery COEGA						

Brought Forward					R
<u>By approved manufacturer:</u>					
30	Stainless steel hat and coat hook with rubber buffer. 1 : 11 2 : 0 3 : 0 4 : 0 5 : 0	No	11		
<u>FITTINGS AND ACCESSORIES</u>					
<u>By approved manufacturer:</u>					
31	"Kimberly Clark" or equivalent White aquarious waste bin (code 6993 or equivalent) size 680 x 380 x 280mm deep 1 : 8 2 : 8 3 : 1 4 : 0 5 : 0	No	17		
32	Powder coated steel cradle soap dispenser with elbow action, plugged and screwed to the wall with stainless steel screws. 1 : 8 2 : 8 3 : 1 4 : 0 5 : 0	No	17		
33	Stainless steel, wall-mounted, slim line sanitary bin, 600(h) x 175(d) x 285(w) mm with a 20 l capacity. 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	No	9		
34	Powder coated 445mm diameter ringbin plugged and screwed to the wall with stainless steel screws. 1 : 8 2 : 8 3 : 1 4 : 0 5 : 0	No	17		
35	"Kimberley Clark" or equivalent Aquarious hand towel dispenser (code 6959 or equivalent) plugged and screwed to wall with stainless steel screws. 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	No	9		
36	"Kimberley Clark" or equivalent Aquarious toilet tissue dispenser (code 6992 or equivalent) plugged and screwed to wall with stainless steel screws. 1 : 11 2 : 12 3 : 1 4 : 0 5 : 0	No	24		
Carried Forward					R
Section No. 2 Bill No. 12 Ironmongery COEGA					

Ntshele Clinic Replacement of Existing Facility

Brought Forward					R
37	8l Wall mounted sharps container. code: fae158 or equivalent 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	No	9		
38	432 x 754mm Rectangular urinal partition in tempered sanitised glass - colour anthracite. 1 : 3 2 : 0 3 : 0 4 : 0 5 : 0	No	3		
39	"Kimberley Clark" or equivalent Professional Scott continuous air freshener dispenser code (92620 or equivalent) with replaceable aerosol container, plugged. 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	No	9		
40	"Steibel Eltron" or equivalent Charcoal grey metallic turbo charged hand dryer (Model HTT5AM) or equivalent 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	No	9		
41	"Hygiene Direct" or equivalent White femcare disposal bin size 512 x 345 x 182mm deep 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	No	9		
<u>Grab Rails</u>					
42	Paraplegic Rails dog leg grab rail with 3 supports (code: GRDG03B) or similar approved with brushed grade 304 stainless steel finish, overall size 750 x 750mm, plugged and screwed to wall with stainless steel screws. 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1		
43	Paraplegic Rails cistern grab rail (code: GRCS01B) or similar approved with brushed grade 304 stainless steel finish, overall size 842mm long, plugged and screwed to wall with stainless steel screws. 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1		
Carried Forward					R
Section No. 2 Bill No. 12 Ironmongery COEGA					

Ntshole Clinic Replacement of Existing Facility

	Brought Forward			R	
44	Paraplegic Rails flush valve grab rail (code: GRFV01B) or similar approved with brushed grade 304 stainless steel finish, overall size 842mm long, plugged and screwed to wall with stainless steel screws. 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1		
Carried Forward to Summary of Section No. 2					
Section No. 2 Bill No. 12 Ironmongery COEGA					R

Item No		Quantity	Rate	Amount
	<u>BILL 13</u> <u>STRUCTURAL STEEL</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> 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			
	Carried Forward Section No. 2 Bill No. 13 Structural Steel COEGA		R	

Brought Forward <u>1. Material and workmanship</u> The steelwork is to be fabricated from mild steel to SABS 1431 Grade 300W. The whole of the fabrication and workmanship generally is to be in strict accordance with SABS 0162-1984 as amended. The material shall be of best quality throughout, free from loose rust or millscale, true to thickness and profile throughout and of the section and mass specified subject to a 2% tolerance for rolling margin. Consideration will be given to any detail variation which the contractor may wish to make with the view to the simplification of either fabrication, delivery or erection. Substitutions must be made at the contractor's own expense. The contractor shall provide Works Test Certificates where so required by the Architect/Engineer. <u>2. Testing</u> The Engineer shall be at liberty to select test pieces from steelwork in the workshop or on the site and to have them tested. The expense of such tests are to be borne by the contractor if the steelwork does not comply with the standards laid down above. A provisional sum is allowed in the bill of quantities for non-destructive testing. <u>3. Hold down bolts</u> Holding down bolts and other fixing devices which are to be embedded in concrete must be supplied to the principal contractor on request together with the necessary information, identification and templates. 2mm Mild steel plate templates provided on a scale of one template for every five groups of bolts, suitably marked to ensure easy identification are to be supplied to the principal contractor. Any costs incurred by subsequent repositioning of bolts, etc resulting from the contractor having failed to furnish adequate information, identification and templates will be for the contractor's account.		R	
Carried Forward Section No. 2 Bill No. 13 Structural Steel COEGA		R	

Brought Forward <u>4. Welding</u> Welding shall be in accordance with SABS 044 "Welding: Parts I, II and III" Welding shall be carried out in a manner which will prevent any distortion of the weld or the parent section. All welds shall have adequate root fusion and shall be free from cracks, porosity or other irregularities and any undercutting shall be made good by the deposition of additional runs of weld metal. Any completed welds showing cracks, cavities or other defects shall be cut out and made good at the contractor's own expense. Mild steel electrodes shall comply with SABS 455 "Covered electrodes for Manual Arc Welding of Mild Steel and Medium High Tensile Steel". <u>5. Bolts</u> Bolts shall have well-formed heads forged from the solid. Nuts shall closely fit the bolts so that they can only just be turned by hand and at least one clear thread shall project beyond the nut when fully tightened. All bolts shall have one washer under the nuts and shall be so tightened that the threaded portion does not bear on the members connected. Where bolt heads or nuts bear upon bevelled surfaces they shall be provided with tapered washers of 2,3 mm mean thickness to provide a seating square with the axis of the bolt.		R	
Carried Forward Section No. 2 Bill No. 13 Structural Steel COEGA		R	

Brought Forward <u>6. Friction grip bolts</u> Connections specifying high strength friction grip bolts are to be in strict accordance with SABS 094 "Bolted Friction Grip Joints in Structural Steelwork" and the bolts used are to be in accordance with BS 3139 Part 1 : 1959 "General Grade Bolts, High Strength Friction Grip Bolts for Structural Engineering". Notwithstanding the above, the following must be rigidly adhered to : a) Two-case hardened washers, one flat or bevelled under the head and the other flat or bevelled under the nut shall be used with each bolt. b) Contact surfaces shall not be painted and shall be thoroughly cleaned free of dirt, oil, loose scale, burrs and other defects which are liable to reduce friction resistance between surfaces. c) At all times the correct torques shall be applied to the different sizes of bolts. <u>7. Erection</u> The steelwork generally is to be fabricated in the contractor's works having due regard to transport and erection facilities. He must supply all erection tackle, temporary erection bracing, erect and plumb all steelwork and supply all steel wedges and tacks as required. Items may be detailed for delivery "piece small" or the contractor may prefabricate if he is satisfied that suitable arrangements for transport can be made. Connections are to be designed for the forces indicated on the drawings or to the maximum capacity of the members.		R	
Carried Forward Section No. 2 Bill No. 13 Structural Steel COEGA		R	

Brought Forward <u>8. Cleaning and painting</u> All structural steel is to be thoroughly degreased to remove all grease or oil and then wire-brushed, scraped or sand-papered to remove all rust, mill-scale or surface contaminations and is to be immediately given one coat zinc chromate, allowed to dry overnight and given one coat of universal undercoat prior to delivery to site. All damaged paintwork is to be made good on site after erection is complete. (also refer to 12 below) <u>9. Testing of welders</u> Tenderers must include in their rates for the testing of any welder used on the work who has not been tested within a period of six months immediately preceding his employment on this contract. <u>10. Further notes</u> Also refer to the structural steelwork notes indicated on the Engineer's relevant structural drawings. <u>11. Painting/corrosion protection options</u> Specification Paint finish: Plascothane 9000 Polyurethane (Twin Pack Polyurethane Acrylic) or equally approved Colour: Tintable Transparent / Pastel Bases Application: Airless spray, Roller or brush (Primer + topcoats) Primer: Plascotuff 3500 series (PEX3500/PEH3500) Mixing Ratio: 4:1 by volume or equally approved Topcoat: Plascothane 9000 Polyurethane (PRT9000/PRH 9) Mixing Ratio: 6:1 by volume or equally approved Surface Preparation: Surfaces must be clean, dry and rust free. Remove surface contaminants using Plascon or equivalent Aquasolv Degreaser (GR 1) or equal approved, scrubbing with bristle brush or broom, or using Scotch Brite pads. Rinse thoroughly with tap water while brushing or hydroblast to remove all traces of Plascon Aquasolv Degreaser (GR 1) or equal approved to achieve a water break-free surface. Dry surface		R	
Carried Forward Section No. 2 Bill No. 13 Structural Steel COEGA		R	

Brought Forward rapidly to prevent flash rust formation. Cleaned surface must be painted within 4 hours. Application - Primer coat: Apply one coat of Plascon Plascotuff 3500 Series (PEX 3500/PEH 3500) or equally approved Premix both components of the Plascon Plascotuff 3500 Series (PEX 3500/PEH 3500) using a power mixer for 3 minutes and then apply (preferably) by airless spray to a minimum DFT of 100-200 µm or WFT of 123 - 247 µm @ a theoretical spread rate of 8.1 m²/litre. Allow 16 hours to dry at low temperatures (i.e. 10°C - Caution: will not cure adequately below 10°C. For maximum performance curing temperature should be 3°C above dewpoint). Allow to dry for 5 hours @ 23°C. If using roller application : Multiple coats are required by roller to achieve desired DFT as roller application is typically @ 75 - 100 µm WFT. If using spray application : Spray Nozzle tip: 17-21 thou. and Nozzle Pressure: 172-207 bar (2500 - 3000 psi). Application - Finishing coat: Mix base and hardener thoroughly in a 6:1 ratio by volume before use. Apply two full coats of Plascon Plascothane 9000 Polyurethane (PRT9000/PRH 9) or equally approved to obtain full obliteration. Allow 10 hours drying between coats. Always maintain a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture. Work from corner to corner, or from a natural cut off point to another. Do not attempt touch ups, but redo complete panels.		R	
Carried Forward Section No. 2 Bill No. 13 Structural Steel COEGA		R	

Brought Forward				R
<u>General</u>				
Allowances below are for design, supply and installation, including input from an approved structural steel contractor, the detail of which will be required by the structural engineer.				
<u>STRUCTURAL STEEL</u>				
<u>Welded beams in single lengths with flat base, cap, bearer and connection plates, bolted to steel or concrete</u>				
1	203 x 133 x 60kg/m I-section beam	t	3.75	
	1 : 3.75 2 : 0.00 3 : 0.00 4 : 0.00			
	5 : 0.00			
2	203 x 203 x 60kg/m I-section beam	t	5.70	
	1 : 5.70 2 : 0.00 3 : 0.00 4 : 0.00			
	5 : 0.00			
<u>STEEL PURLINS, GIRTS, BRACING, ETC INCLUDING PRIMER</u>				
<u>Purlins and girts, bolted to steel or concrete</u>				
3	150 x 75 x 20 x 3.0 CFLC Purlins	t	3.44	
	1 : 3.44 2 : 0.00 3 : 0.00 4 : 0.00			
	5 : 0.00			
4	200 x 75 x 20 x 3.0 CFLC Purlins	t	1.90	
	1 : 1.90 2 : 0.00 3 : 0.00 4 : 0.00			
	5 : 0.00			
<u>Welded bracing, anti-sag rails, etc with flat connection plates, bolted to steel or concrete</u>				
5	76 x 6 Bracket Strap	t	0.14	
	1 : 0.14 2 : 0.00 3 : 0.00 4 : 0.00			
	5 : 0.00			
6	50 x 50 x 6L Equal Angle Bracing	t	1.05	
	1 : 1.05 2 : 0.00 3 : 0.00 4 : 0.00			
	5 : 0.00			
Carried Forward				R
Section No. 2 Bill No. 13 Structural Steel COEGA				

Brought Forward					R
7	70 x 70 x 6L Equal Angle Bracing	t	1.28		
	1 : 1.28 2 : 0.00 3 : 0.00 4 : 0.00				
	5 : 0.00				
8	50 x 50 x 4L Equal Angle Bracing	t	0.01		
	1 : 0.01 2 : 0.00 3 : 0.00 4 : 0.00				
	5 : 0.00				
<u>BOLTS, FASTENERS, ETC</u>					
9	20mm Diameter chemical anchor bolt embedded in top of concrete a total of 410mm deep including forming a 75mm diameter x 150 deep pocket through concrete (coring, drilling, etc.), and including 70 x 70 x 12 anchor plates welded to HD bolts (See detail 2 on the engineers' drawings), including grouting around the concrete pockets	No	248		
	1 : 248 2 : 0 3 : 0 4 : 0				
	5 : 0				
10	M12 Bolts	No	64		
	1 : 64 2 : 0 3 : 0 4 : 0				
	5 : 0				
11	M16 Bolts	No	127		
	1 : 127 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>BASE PLATES, ETC.</u>					
12	250 x 250 x 12mm Base plate	No	41		
	1 : 41 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>SUNDRIES</u>					
<u>40MPa non-shrink grout</u>					
13	Bedding approximately 20mm thick under 250 x 250mm wide baseplate, including chamfered edges all round	No	41		
	1 : 41 2 : 0 3 : 0 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2 Bill No. 13 Structural Steel COEGA					

Brought Forward				R
	<u>Plates, etc.</u>			
14	Allowance for plates, bolts, etc. 1 : 1.84 2 : 0.00 3 : 0.00 4 : 0.00 5 : 0.00	t	1.84	
	<u>DECORATIVE PAINT FINISH</u>			
	All paintwork in accordance with the engineer's / architect's specifications as described on the supplementary preambles (item 11 above on this document)			
15	Columns, beams, purlins, etc 1 : 19.02 2 : 0.00 3 : 0.00 4 : 0.00 5 : 0.00	t	19.02	
	<u>GENERAL</u>			
16	Extra over cost to cut end of 203 x 133 x 60kg/m Rafter 1 : 41 2 : 0 3 : 0 4 : 0 5 : 0	No	41	
	<u>TESTS</u>			
	<u>Weld testing</u>			
17	X-Ray test of butt weld joint to plates, etc. 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 13				
Structural Steel				
COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 14</u> <u>METALWORK (PROVISIONAL)</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. <u>Descriptions:</u> Descriptions of bolts shall be deemed to include nuts and washers. Metalwork described as holed for bolt(s) shall be deemed to exclude the bolts unless otherwise described. Carried Forward Section No. 2 Bill No. 14 Metalwork COEGA			
			R	

Brought Forward All surfaces of steelwork must be given one coat of approved zinc chromate primer before leaving the works of the manufacturer <u>Aluminium Installation</u> Rates should include for <u>design, supply and installation</u>, the detail of which must be submitted with this tender to be approved by the Architect. All tenderers must take note that all aluminium doors and shopfronts and glass must comply to following standards; • AAAMSA • SANS 10400 • SANS 110137:2011(Ed 4.00) • SAMS 10160 • SANS 1263-1:2013 (Ed 3.02) • NBR part "N" glazing All ironmongery to be approved window/door gear as per Architects specifications where applicable. where not applicable, tenderers are to allow for standard ironmongery Tenderers must take note that the following items are only for tender purposes and will be used as basis for the whole project and therefore the quantity & size might change. No claims in this regard will be entertained. Shop drawings should be submitted to and approved by the Architect prior to manufacturing Final measurements must be taken on site Site dimensions are to be checked by the contractor and confirmed before the start of manufacture. The Tenderer should include for all plant and equipment necessary for placing in position, horizontal carting over roof and hoisting from ground level. Warranties to be supplied as per Manufacturers specifications <u>Stainless steel balustrading</u> Rates should include for design, supply and installation, the detail of which must be submitted with this tender to be approved by the Architect. Carried Forward Section No. 2 Bill No. 14 Metalwork COEGA		R	
		R	

Brought Forward Tenderers must take note that the following items are only for tender purposes and will be used as basis and therefore the quantity might change. No claims in this regard will be entertained Note: Shop drawings should be submitted to and approved by the Architect All surfaces of steelwork must be given one coat of approved zinc chromate primer before leaving the works of the manufacturer <u>Glazing</u> The thickness of glass panels must meet the requirements of the National Building Regulations and the relevant SABS Codes of Glazing Practice. If any glass types or thicknesses specified in this document does not conform with the above regulations, the tenderer is to note that he has to inform the Quantity Surveyor of such discrepancies at the time of tender as no claims in this regard will be entertained at a later stage		R	
Carried Forward Section No. 2 Bill No. 14 Metalwork COEGA		R	

Brought Forward				R
<u>STAINLESS STEEL BALUSTRADING</u>				
<u>Design, supply, deliver and erect the following stainless steel balustrades including end pieces, corners, etc.</u>				
1	Horizontal balustrades 1100mm high overall in accordance to building regulations (to be designed & supplied & signed off by the contractor). Balustrade to be core drilled and chemically fixed through concrete, brickwork, etc.	m	19	
	1 : 19 2 : 0 3 : 0 4 : 0 5 : 0			
2	Raking (sloping) balustrades 1100mm high overall in accordance to building regulations (to be designed & supplied & signed off by the contractor). Balustrade to be core drilled and chemically fixed through concrete, brickwork, etc.	m	3	
	1 : 3 2 : 0 3 : 0 4 : 0 5 : 0			
<u>STAINLESS STEEL HANDRAILS</u>				
<u>Design, supply, deliver and erect the following stainless steel handrails including end pieces, corners, etc.</u>				
3	Horizontal handrails consisting of stainless steel circular hollow section continuous rails fixed to brick walls, concrete walls, etc. in accordance to building regulations (to be designed, supplied, installed & signed off by the contractor). Balustrade fixing to include all necessary chemical anchors, pressed steel cover flanges, etc. as deemed necessary	m	3	
	1 : 3 2 : 0 3 : 0 4 : 0 5 : 0			
4	Raking (sloping) handrails consisting of stainless steel circular hollow section continuous rails fixed to brick walls, concrete walls, etc. in accordance to building regulations (to be designed, supplied, installed & signed off by the contractor). Balustrade fixing to include all necessary chemical anchors, pressed steel cover flanges, etc. as deemed necessary	m	3	
	1 : 3 2 : 0 3 : 0 4 : 0 5 : 0			
Carried Forward				R
Section No. 2 Bill No. 14 Metalwork COEGA				

Brought Forward				R
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>GALVANISED GATES</u>				
<u>Custom made steel gate</u>				
5	Hot dip galvanised mentis grating steel gate 1000 x 2400mm high consisting of 50 x 50 x 3mm mild steel square hollow sections (SHS) gate post including clear-vu infill panels, paintwork (measured elsewhere), padlock, all to be approved by the architect 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1	
6	Hot dip galvanised mentis grating steel gate 3 600 x 2400mm high consisting of 50 x 50 x 3mm mild steel square hollow sections (SHS) gate post including clear-vu infill panels, paintwork (measured elsewhere), padlock, all to be approved by the architect 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1	
7	Hot dip galvanised mentis grating steel gate 1 700 x 2400mm high consisting of 50 x 50 x 3mm mild steel square hollow sections (SHS) gate post including clear-vu infill panels, paintwork (measured elsewhere), padlock, all to be approved by the architect 1 : 2 2 : 0 3 : 0 4 : 0 5 : 0	No	2	
8	Hot dip galvanised mentis grating double leaf steel gate 1 000 x 2 400mm high consisting of 50 x 50 x 3mm mild steel square hollow sections (SHS) gate post including clear-vu infill panels, paintwork (measured elsewhere), padlock, all to be approved by the architect 1 : 3 2 : 0 3 : 0 4 : 0 5 : 0	No	3	
Carried Forward				R
Section No. 2 Bill No. 14 Metalwork COEGA				

Brought Forward					R
<u>HORIZONTAL SECURITY MESH SCREENS AND CEILINGS</u>					
<u>The following in horizontal mesh screens and ceilings and support framework around, neatly welded at all joints and intersections and finished with one coat Red Oxide primer</u>					
9	Type Mentex 63, 30 x 80 x 3mm or similar approved welded security mesh fixed to the underside of rafters (Provisional).	m2	1 538		
	1 : 1093 2 : 445 3 : 0 4 : 0				
	5 : 0				
10	Extra over metal ceiling for forming metal-clad trap door size 600 x 600 mm in clear including 50mm insurance grade padlock	No	2		
	1 : 2 2 : 0 3 : 0 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2 Bill No. 14 Metalwork COEGA					

		Brought Forward			R	
		<u>BURGLAR BARS</u>				
		<u>Powder coated electro-galvanised steel non-retractable burglar bars with oval shaped horizontal tubing fitted in the reveal with tamper proof fixing. Strengthening bars as required by manufacturer. Maintenance life cycle of a minimum of 5 years and warranties to be provided against defective workmanship, materials, and corrosion. Steel to be pre-treated for enhance corrosion and UV resistance before powder coating. Colour: matte charcoal.</u>				
		• <u>Clearance for window handles</u> • <u>Very low maintenance</u> • <u>Long product life expectancy</u> • <u>Outstanding resistance to chemical and mechanical damage</u> • <u>Resistant to scratching, chipping and wearing</u> • <u>Easy to clean</u> • <u>Resistant to UV and discolouration</u>				
		Burglar Bars fixed to narrow widths of:				
11	Window, overall size 600mm wide x 900mm high	No	36			
	1 : 26 2 : 8 3 : 2 4 : 0					
	5 : 0					
12	Window, overall size 1 500mm wide x 1 200mm high	No	38			
	1 : 24 2 : 12 3 : 2 4 : 0					
	5 : 0					
13	Window, overall size 2 100mm wide x 600mm high	No	13			
	1 : 11 2 : 0 3 : 2 4 : 0					
	5 : 0					
14	Window, overall size 1 500mm wide x 1 500mm high	No	2			
	1 : 2 2 : 0 3 : 0 4 : 0					
	5 : 0					
	<u>SUNDRY STEELWORK</u>					
		Carried Forward			R	
	Section No. 2					
	Bill No. 14					
	Metalwork					
	COEGA					

Brought Forward					R
<u>Full bore cover plates</u>					
15	430 x 300 x 10mm cover plates with radius connection including ABE or equivalent epoxy fixing	No	2		
	1 : 0 2 : 0 3 : 2 4 : 0				
	5 : 0				
<u>Corner protectors</u>					
16	70 x 70 x 12mm Thick wall and corner protector approximately 1200mm high fixed to wall with wall contact adhesive to be installed strictly in accordance with the manufacturer's recommendations	No	19		
	1 : 19 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>Bumper rails</u>					
Floorworx or equivalent Intrad PVC grey high impact resistant wall and corner protection system or equally approved, comprising 200 x 29mm lipped channel profile bump rail Ref 'TR200' or equivalent, clipped onto including joining pieces and brackets fixed to wall in mm uPVC brackets plugged and screwed to brick wall at maximum 400mm centres including all necessary external corners, joining blocks, stopped ends, corner protectors and door protectors all in accordance with the manufacturers instructions					
17	Bumper rails fixed to walls	m	173		
	1 : 173 2 : 0 3 : 0 4 : 0				
	5 : 0				
18	Extra over 'Marley Intrad' or equally approved bump rail for stop ends	No	19		
	1 : 19 2 : 0 3 : 0 4 : 0				
	5 : 0				
19	Extra over 'Marley Intrad' or equally approved bump rail for external corners	No	19		
	1 : 19 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>PRESSED STEEL TRANSFORMER ROOM DOORS AND FRAMES</u>					
Carried Forward					R
Section No. 2 Bill No. 14 Metalwork COEGA					

		Brought Forward			R	
		<u>GALVANIZED PRESSED STEEL TRANSFORMER ROOM DOORS AND FRAMES</u>				
		<u>Steel transformer room door Type AV.</u>				
20	Type AV transformer room door 0,910 x 2,110mm high with double rebated frame suitable for 345mm wide cavity brick wall including hinges, lockset, etc., complete	No	8			
	1 : 8 2 : 0 3 : 0 4 : 0					
	5 : 0					
21	Type AV transformer room double door 1,800 x 2,125mm high with double rebated frame suitable for one brick wall including hinges, lockset, etc., complete	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0					
	5 : 0					
		<u>POWDER COATED HORIZONTAL ALUMINIUM LOUVRE UNITS</u>				
		<u>Approved natural anodised ventilation louvre complying with SANS 1578 fixed to timber doors (doors & opening to doors measured elsewhere) and applied in accordance with SANS 1796 by an approved applicator</u>				
22	300 x 400mm Louvre with wire mesh screen	No	3			
	1 : 3 2 : 0 3 : 0 4 : 0					
	5 : 0					
		<u>Approved ventilation louvre complying with SANS 1578 fixed to walls and applied in accordance with SANS 1796 by an approved applicator (Colour: Graphite or equally approved)</u>				
23	2 100 x 600mm Louvre window with wire mesh screen	No	8			
	1 : 8 2 : 0 3 : 0 4 : 0					
	5 : 0					
		<u>ALUMINIUM DOORS FRAMES, ETC.</u>				
		Carried Forward			R	
	Section No. 2 Bill No. 14 Metalwork COEGA					

Brought Forward				R	
<u>Design, supply, deliver and erect the following custom made aluminium door frames suitable for handing timber doors (timber doors measured elsewhere), Frame Material: Powder Coated Matt Anthracite Grey, complete including sub-frames, hinges, fixing in position, etc. and sealing watertight, fixing to brickwork & concrete all inclusive as per Architect's drawings and/ or approval</u>					
24	Door frame, overall size 964mm wide x 2 400mm high 1 : 3 2 : 4 3 : 3 4 : 0 5 : 0	No	10		
25	Door frame, overall size 877mm wide x 2 125mm high 1 : 7 2 : 0 3 : 0 4 : 0 5 : 0	No	7		
26	Door frame, overall size 826mm wide x 2 125mm high 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1		
27	Door frame, overall size 813mm wide x 2 134mm high 1 : 7 2 : 0 3 : 0 4 : 0 5 : 0	No	7		
28	Door frame, overall size 762mm wide x 2 134mm high 1 : 4 2 : 0 3 : 0 4 : 0 5 : 0	No	4		
<u>ALUMINIUM SHOPFRONTS, DOORS, ETC.</u>					
Carried Forward				R	
Section No. 2 Bill No. 14 Metalwork COEGA					

Brought Forward				R	
	<u>Design, supply, deliver and erect the following custom made aluminium extruded profile shop front or doors (Frame Material: Powder Coated Matt Anthracite Grey), complete including sub-frames, hinges, fixing in position, safety glass, etc. and sealing watertight, including ironmongery, fixing to brickwork, concrete all inclusive as per Architect's drawings and/ or approval (Glass Infill Type: 6.5mm thick laminated safety glass or equally approved as per regulations and architect)</u>				
29	Double aluminium door, overall size 1 500mm wide x 2 400mm high	No	7		
	1 : 7 2 : 0 3 : 0 4 : 0				
	5 : 0				
30	Double aluminium door, overall size 1 690mm wide x 2 400mm high	No	5		
	1 : 5 2 : 0 3 : 0 4 : 0				
	5 : 0				
31	Single aluminium door, overall size 862mm wide x 2 400mm high	No	25		
	1 : 25 2 : 0 3 : 0 4 : 0				
	5 : 0				
	<u>ALUMINIUM WINDOWS</u>				
	Refer to Architects window schedule				
	<u>Design, supply, deliver and erect the following custom made aluminium extruded profile windows (Finish: Powder Coated Graphite), complete including sub-frames, hinges, fixing in position, safety glass, etc. and sealing watertight, including ironmongery, fixing to brickwork, concrete all inclusive as per Architect's drawings and/ or approval (Glass Type: Low E Glazing compliant with SAGGA and SANS 10400 Regulations and in accordance with AAAMSA)</u>				
32	Window, overall size 600mm wide x 900mm high fixed panels with obscure glazing	No	36		
	1 : 26 2 : 8 3 : 2 4 : 0				
	5 : 0				
	Carried Forward				R
	Section No. 2 Bill No. 14 Metalwork COEGA				

Brought Forward				R
33	Window, overall size 1 500mm wide x 1 200mm high classic horizontal slider with clear glazing 1 : 24 2 : 12 3 : 2 4 : 0 5 : 0	No	38	
34	Window, overall size 2 100mm wide x 600mm high fixed panels with obscure safety glazing 1 : 11 2 : 0 3 : 2 4 : 0 5 : 0	No	13	
35	Window, overall size 1 500mm wide x 1 500mm high fixed panels with clear glazing 1 : 2 2 : 0 3 : 0 4 : 0 5 : 0	No	2	
<u>SHOWER SCREENS</u>				
<u>Design, supply, deliver and erect the following shower screens, complete including any sub-frames, clear silicone joint to all edges, fixing in position, toughened safety glass, etc. and sealing watertight, including ironmongery (handles where applicable), fixing to brickwork & concrete all inclusive as per Architect's drawings</u>				
36	Approved CrystalTech Clear Trimatic White Aluminium Shower Door - (885mm to 915mm x 1850mm) Sizes to be confirmed on site. 1 : 1 2 : 6 3 : 0 4 : 0 5 : 0	No	7	
<u>STEEL STRONGROOM DOORS, VENTILATORS, ETC</u>				
<u>Ds 70mm SABS CAT 2adm heavy duty strong room door as specified by mutual security group. Overall thickness of 190mm with a 70mm outer plate, 2 x7-lever security keylock, 8 bolts 40mm diameter (4 front & 4 back), weight of 450kg</u>				
37	Strong room door 1190mm x 2400mm high 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1	
Carried Forward				R
Section No. 2 Bill No. 14 Metalwork COEGA				

Brought Forward					R
38	Double ended strongroom ventilator	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0				
	5 : 0				
39	Strongroom door stop plugged to floor	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>STEEL LOCKERS, CUPBOARDS ETC.</u>					
<u>Steel cupboards with Epoxy paint finish</u>					
40	"Smart and go" or equivalent 500mm x 1830mm high Lockable 3 door steel cupboard with one adjustable shelf per door fixed to wall including all necessary accessories in accordance with the manufacturer's specifications (design and supply)	No	4		
	1 : 4 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>SHELVING</u>					
<u>Design, supply, deliver and erect the following items:</u>					
Take note on how the shelves are measured on the below item					
41	Store Room Five Tier Shelf Unit, size 900mm long x 400mm deep x 2 000mm high overall, fixed on and including wall brackets and wall bands, "RS Components" Treston Grey steel shelving (50kg load), steel shelf M900 (Size 890mm x 400mm deep) with adjustable steel bracket fixed to wall (Code: 852 769-49 & 1357241) or equally approved all as per the Manufacturer. (1x Quantity Measured includes the 5 total tiers 2 000mm high overall, e.g. the 50 quantities measured on this item includes 250 individual shelves)	No	24		
	1 : 24 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>WASHING LINES</u>					
Carried Forward					R
Section No. 2 Bill No. 14 Metalwork COEGA					

Brought Forward					R
<u>Approved Galvanised washing line posts</u>					
42	Supply and install washing line poles comprising of 50mm diameter galvanised steel T-posts, 2,100mm high, 750mm T junction width. Posts cast into 300mm deep x 300mm wide 15Mpa concrete base (including under digging on sloping areas)	No	6		
	1 : 0 2 : 6 3 : 0 4 : 0				
	5 : 0				
43	Supply and install washing line galvanised wire 4mm x 5kg bundle	No	3		
	1 : 0 2 : 3 3 : 0 4 : 0				
	5 : 0				
Carried Forward to Summary of Section No. 2					R
Section No. 2					
Bill No. 14					
Metalwork					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 15</u> <u>PLASTERING (PROVISIONAL)</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection. <u>Screeds</u> <u>Preparation of existing slab</u> All laitance on the surface of the slab must be removed completely. Mechanized plant such as scabblers or abrasive blasters must be used. After the mechanical cleaning of the slab surface to expose the coarse aggregate, all dust and debris must be removed, and the surface must be thoroughly wetted and kept wet for at least 12 hours before application of the screed.			
	Carried Forward Section No. 2 Bill No. 15 Plastering COEGA		R	

Brought Forward <u>Concrete screed</u> Prepare new surface bed and screed & cast new 25-30mm (or thickness as described in the bills of quantities) thick 1 part cement & 3½ part sand, mix by hand or preferably by forced-action mechanical mixer for 3 minutes, use within 45 minutes. Screed to comply to SANS 50197-1 type CEM I or CEM II. Lay guide strips of screed mix to establish levels, lay screed in panels as large as possible in one operation without intermediate joints, level surface as finished by wood floats to non-slip finish. The use of an approved plasticizer is recommended to reduce the water content of the mix to the absolute workable minimum. The mix design must be submitted to the engineer and architect for approval. <u>Application of concrete screed</u> Remove all surface water from the slab. Apply a grout to the slab surface which consists of a 1:1 mix of cement and clean fine sand with just enough water to provide the consistency of a slurry. This grout is to be vigorously brushed into the scabbled surface with brooms. On completion of this operation, the surplus grout must be brushed off to leave only a thin coating. The screed must be placed while the grout is still visibly wet. The screed must be laid and compacted in one layer. Care must be taken to obtain the maximum compaction of the concrete screed.		R	
Carried Forward Section No. 2 Bill No. 15 Plastering COEGA		R	

	Brought Forward			R	
	<u>Plaster</u> Cement plaster for 1 coat work on all brickwork shall be composed of 3 parts of sand to 1 part of cement, all measured by volume, and mixed as follows: Cement mortar shall be composed of 3 parts (by volume) of sand and 1 part (by volume) of cement. The material shall be mixed dry until of uniform colour and then water added and the mixture turned over until the ingredients are thoroughly incorporated. Cement mortar shall be produced in such quantities as can be used before commencing to set as no cement mortar that has once commenced to set shall be used in any way. Care shall be taken in mixing cement mortar to remove from the mixing machine or platform any old mortar that has already set as such mortar may not be incorporated into any new batch (Moisture content to be between 0% and 12%). Cement Plaster for 2 coats to conform to fine plaster sand modulus of not larger than 1mm. (sans 1090). Wood-trowelled to smooth surface and finish with steel trowel skim finish. Allow time for the drying of surface moisture.				
	<u>SCREEDS</u> <u>Screeds steel trowelled to a smooth even finish s per SANS 10109 part 2 finishes to concrete</u>				
1	30mm Thick on floors and landings 1 : 1041 2 : 424 3 : 35 4 : 0 5 : 0	m2	1 500		
2	Average 130 mm thick on roof slabs to falls and currents 1 : 0 2 : 0 3 : 35 4 : 0 5 : 0	m2	35		
3	70 x 70mm Coved screed fillet against walls, window surrounds, etc. wood floated 1 : 0 2 : 0 3 : 24 4 : 0 5 : 0	m	24		
	<u>EPOXY</u>				
	Carried Forward			R	
	Section No. 2 Bill No. 15 Plastering COEGA				

Brought Forward				R
<u>Flowcrete or equally approved antimicrobial treated polyurethane screed with skirting 150mm high strength granolithic "Dust Grey" in colour</u>				
4	On Floors and landings laid to falls 1 : 24 2 : 0 3 : 0 4 : 0 5 : 0	m2	24	
5	Extra over the above for a 150mm high skirting 1 : 18 2 : 0 3 : 0 4 : 0 5 : 0	m	18	
<u>PLASTER</u>				
<u>One coat cement plaster on brickwork</u>				
6	External Walls 1 : 140 2 : 78 3 : 14 4 : 0 5 : 0	m2	232	
7	Internal Walls 1 : 336 2 : 126 3 : 18 4 : 0 5 : 0	m2	480	
8	On narrow widths 1 : 127 2 : 22 3 : 10 4 : 0 5 : 0	m2	159	
9	Full depth V-joints to plaster work where brickwork and concrete join 1 : 262 2 : 0 3 : 0 4 : 0 5 : 0	m	262	
<u>Two coat cement plaster, with gypsum skim plaster steel trowel finish on brick work surfaces</u>				
10	On internal walls 1 : 2558 2 : 1271 3 : 140 4 : 0 5 : 0	m2	3 969	
11	On soffit of slabs 1 : 0 2 : 0 3 : 35 4 : 0 5 : 0	m2	35	
Carried Forward				R
Section No. 2 Bill No. 15 Plastering COEGA				

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Item No		Quantity	Rate	Amount
	<u>BILL 16</u> <u>TILING</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>Fixing</u> Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors, etc. shall be deemed to include 1:3 plaster bedding Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from "Tal Professional" range of products as recommended by the manufacturer of the tiles			
	Carried Forward Section No. 2 Bill No. 16 Tiling COEGA		R	

Brought Forward <u>Cleaning of tiles</u> Tiling shall be thoroughly cleaned down on completion. No additional costs for cleaning will be entertained <u>Availability of tiles</u> When pricing tenderers must make sure that there is enough stock available or that enough stock can be obtained timeously of the respective tiles specified <u>Cutting of tiles</u> All straight, circular and raking cutting and waste must be allowed for in the rates <u>Bonding liquid and Keycoats</u> All bonding liquids and keycoats must be allowed for in the rates <u>Setting out</u> Care shall be exercised in setting out the work, the preparation of templates and the checking of the detail drawings. All measurements shall be taken on the site where necessary and the full size setting out of each course shall be done at the yard so as to ensure the proper fitting of each stone Before putting any work in hand the contractor is to submit to the architect for his approval details of the manner in which he proposes to set out the slabs and joints in all wall facings, pavings, sills, treads, etc together with samples of grain or pattern matching <u>Bedding and jointing</u> Slate, marble, granite and other floor paving and wall linings are to be bedded solidly on the mortar thickness described and are to have tightly butt joints unless otherwise stated Where stonework is to be fixed with adhesive, the adhesive is to be suitable for and compatible with the type of stone. The contractor will be liable for any defects to the slate, marble and granite arising from the use of the adhesive		R	
Carried Forward Section No. 2 Bill No. 16 Tiling COEGA		R	

		Brought Forward			R	
		<u>FLOOR TILING</u>				
		<u>Antibacterial tiles, size 300mm x 300mm x 8.5mm thick, finish: matte. Moca accreditation and iso27447:2019(e) certifications to be provided. Anti-Bacterial industrial fine epoxy grout to joints, colour to match tiles, installed as per manufacturer's recommendations. Technical data sheets for chemical resistance to be provided. Movement joints to be provided every 4 metres or as per manufacturer's recommendations, fixed to wood floated 1:4 cement and sand screed. Tenderers are to include the price of the tile with this tender, plus labour, tile cement, grout, mark up, wastage, etc. PC Allowance of R300.00 per m2, excluding VAT, for the site delivered tile material price only, Tenderers are to include the price as per the PC amount, plus delivery, labour, tile cement, grout, mark up, etc.</u>				
1	On floors and landings	m2	596			
	1 : 137 2 : 424 3 : 35 4 : 0 5 : 0					
2	Skirting 150mm high	m	814			
	1 : 352 2 : 416 3 : 46 4 : 0 5 : 0					
		Carried Forward			R	
	Section No. 2 Bill No. 16 Tiling COEGA					

		Brought Forward			R	
		<u>WALL TILING</u>				
		<u>Antibacterial tiles, size 200mm x 200mm x 8mm thick, finish: matte. Moca accreditation and iso27447:2019(e) certifications to be provided. Anti-Bacterial industrial fine epoxy grout to joints, colour to match tiles, installed as per manufacturer's recommendations. Technical data sheets for chemical resistance to be provided. External joints to have tiled in stainless steel corner protectors, fixed to plastered surfaces (plaster measured elsewhere). Tenderers are to include the price of the tile with this tender, plus labour, tile cement, grout, mark up, wastage, etc. PC Allowance of R200.00 per m2, excluding VAT, for the site delivered tile material price only, Tenderers are to include the price as per the PC amount, plus delivery, labour, tile cement, grout, mark up, etc.</u>				
3	On walls	m2	480			
	1 : 336 2 : 126 3 : 18 4 : 0 5 : 0					
	<u>STONework</u>					
	<u>20mm Thick black granite, with 5mm mitred edge vanity</u>					
4	150mm high x 1 600mm long x 900mm wide overall "Pro Quartz Stone" vanity with 5mm Mitred edges, including 120mm high return/ splash back with polysulphide seal at edges and 5mm Mitred edges on top, all fixed to and including 25mm galvanised mild steel (SHS or equally acceptable) support frame to the tenderer's design, primed & painted with matt black powder coated finish complete	No	56			
	1 : 43 2 : 12 3 : 1 4 : 0 5 : 0					
	<u>SUNDRIES, DIVIDING STRIPS, ETC.</u>					
5	Dove grey 9x10mm high pvc movement joint, fixed to floors with an approved adhesive.	m	161			
	1 : 48 2 : 104 3 : 9 4 : 0 5 : 0					
		Carried Forward			R	
	Section No. 2 Bill No. 16 Tiling COEGA					

Ntshele Clinic Replacement of Existing Facility

	Brought Forward			R	
6	Black 9x10mm high pvc movement joint, fixed to floors with an approved adhesive. 1 : 6 2 : 2 3 : 0 4 : 0 5 : 0	m	8		
7	Natural anodised 48mm wide aluminium structural wall joint cover flexible pvc hospital infill, fixed in wall expansion joint with four steel spring clips per 3m length. 1 : 19 2 : 7 3 : 1 4 : 0 5 : 0	m	27		
8	10mm high aluminium formable straight edge trim, temporary fixed in position and bedded in tile adhesive while tiles are laid. 1 : 48 2 : 83 3 : 7 4 : 0 5 : 0	m	138		
9	10mm high aluminium formable straight edge trim, fixed on top of skirtings and bedded in tile adhesive while tiles are laid. 1 : 352 2 : 416 3 : 46 4 : 0 5 : 0	m	814		
10	Polysulphide joints between tiles approximately 5 x 5mm 1 : 629 2 : 732 3 : 71 4 : 0 5 : 0	m	1 432		
Carried Forward to Summary of Section No. 2					
Section No. 2					
Bill No. 16					
Tiling					
COEGA					

Item No		Quantity	Rate	Amount																		
	<u>BILL 17</u> <u>PLUMBING AND DRAINAGE</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. In addition to the 'Standard Preambles to Trades' the following SABS codes are applicable: <table><tr><td>PIPE THREADS</td><td>SABS 21</td></tr><tr><td>GALVANISING</td><td>SABS 763</td></tr><tr><td>WROUGHT STEEL SCREWED</td><td></td></tr><tr><td>FLANGES BS 10/</td><td>SABS 1123</td></tr><tr><td>ERW PIPING</td><td>SABS 719</td></tr><tr><td>DENSOWRAP</td><td>SABS 1117</td></tr><tr><td>NON-RISING SPINDLE VALVES</td><td>SABS 665</td></tr><tr><td>WATER TANKS</td><td></td></tr><tr><td>SABS/CKS 114</td><td></td></tr></table> <u>NOTE:</u> Unless otherwise stated all excavation depths are related to finished levels	PIPE THREADS	SABS 21	GALVANISING	SABS 763	WROUGHT STEEL SCREWED		FLANGES BS 10/	SABS 1123	ERW PIPING	SABS 719	DENSOWRAP	SABS 1117	NON-RISING SPINDLE VALVES	SABS 665	WATER TANKS		SABS/CKS 114				
PIPE THREADS	SABS 21																					
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WATER TANKS																						
SABS/CKS 114																						
	Carried Forward Section No. 2 Bill No. 17 Plumbing & Drainage COEGA		R																			

Brought Forward <u>Additional notes to tenderers</u> Descriptions to pipes in ground deemed to include for excavation and backfilling to the stated depths, measured from finished ground level to invert level of pipe, including compaction in layers to a minimum of 93 % Mod AASHTO density Please note that all geysers are to be hung from either the roof structure or on bearing walls, etc. and that all hangers, etc. must be in accordance and to the approval of the engineer's/manufacturers specifications and all such bearers, bolts, etc. must be allowed for in this tender under the respective (geysers) item in this bill by the tenderer and no claims or extras in this regard will be entertained No distinction is made between pipes been chased in, built in, cast in or to be suspended from the roof trusses, etc., the tenderers must study the drawings (drawings are available to be viewed at the engineers offices) and familiarise themselves with the extend of the works and make the necessary allowances in the tender as no claims or extras in this regard will be entertained. Tenderers must note that HDPE pipes must be installed by an approved and certified HDPE installer. Certificates of approved installer must be attached to the tender for verification. Where fittings have reducing ends or branches they are described as "reducer/reducing". Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. <u>General</u> Rates should include for supply and installation, including input from an approved wet services contractor, the detail of which will be required by the mechanical engineer (wet services engineer). Carried Forward Section No. 2 Bill No. 17 Plumbing & Drainage COEGA		R	
		R	

Brought Forward Tenderers must take note that the following items are only for tender purposes and will be used as basis and therefore the quantity might change. No claims in this regard will be entertained Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. <u>Copper pipes:</u> Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type or equivalent. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground. <u>Chasing:</u> Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable brown paper and making good shall be included in the rates for pipes. <u>Holes for pipes through new walls:</u> No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes. <u>Reducing fittings:</u> Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.		R	
Carried Forward Section No. 2 Bill No. 17 Plumbing & Drainage COEGA		R	

Brought Forward <u>Description of pipes laid in trenches:</u> Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor. <u>Excavations:</u> No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling. 'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'. <u>Laying, backfilling, bedding, etc of pipes:</u> Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions. Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing. <u>Flush pans:</u> Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary. <u>Stainless steel basins, sinks, wash troughs, urinals, etc:</u> Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable. <u>Fixing:</u> Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories. Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.		R	
Carried Forward Section No. 2 Bill No. 17 Plumbing & Drainage COEGA		R	

Ntshele Clinic Replacement of Existing Facility

Brought Forward <u>Waste unions:</u> Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings. <u>Sleeve pipes:</u> Electrical sleeve pipes to be Class 34 and are to include for draw wires.			R	
Carried Forward Section No. 2 Bill No. 17 Plumbing & Drainage COEGA			R	

Brought Forward					R
<u>CONVENTIONAL RAINWATER DISPOSAL (GUTTERS)</u>					
<u>Extruded seamless aluminium gutter</u>					
1	125 x 85mm Rectangular section eaves gutter with 20mm wide overlapping joints sealed with and including compressible sealing strip and riveted at 20mm centres 1 : 210 2 : 90 3 : 0 4 : 0 5 : 0	m	300		
2	75mm Diameter rainwater downpipe with brackets fixed to brick wall or concrete 1 : 48 2 : 74 3 : 0 4 : 0 5 : 0	m	122		
3	Extra over for 75mm wide rainwater pipe for eaves offset 1 : 16 2 : 18 3 : 0 4 : 0 5 : 0	No	34		
4	Extra over for 75mm wide rainwater pipe for spreader 1 : 16 2 : 9 3 : 0 4 : 0 5 : 0	No	25		
5	Extra over 75mm eaves gutter for outlet for 75 x 75mm pipe 1 : 16 2 : 9 3 : 0 4 : 0 5 : 0	No	25		
6	Extra over for shoe 1 : 16 2 : 9 3 : 0 4 : 0 5 : 0	No	25		
<u>HAILGUARDS</u>					
7	Galvanised stainless steel Hailguards 150mm wide including sub-frame of 12mm diameter round bar, laid loose over box gutters 1 : 0 2 : 90 3 : 0 4 : 0 5 : 0	m	90		
<u>RAINWATER DISPOSAL (PLUVIA) OR EQUALLY APPROVED</u>					
<u>Rainwater system</u>					
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward					R
<u>HDPE pipes, including all butt welded joints, to manufacturers specification</u>					
8	125mm Diameter pipes	m	1		
	1 : 0 2 : 0 3 : 1 4 : 0				
	5 : 0				
9	160mm Diameter pipes	m	3		
	1 : 0 2 : 0 3 : 3 4 : 0				
	5 : 0				
<u>Extra over HDPE pipes for fittings, including all butt welds</u>					
10	160 x 125mm Short eccentric reducer	No	6		
	1 : 0 2 : 0 3 : 6 4 : 0				
	5 : 0				
11	125mm Bend 45°	No	1		
	1 : 0 2 : 0 3 : 1 4 : 0				
	5 : 0				
12	160mm Bend 45°	No	2		
	1 : 0 2 : 0 3 : 2 4 : 0				
	5 : 0				
13	160 x 125mm Reducing Y-Junction 45°	No	1		
	1 : 0 2 : 0 3 : 1 4 : 0				
	5 : 0				
14	160 x 160mm Y-Junction 45°	No	1		
	1 : 0 2 : 0 3 : 1 4 : 0				
	5 : 0				
15	125mm Electroweld sleeve coupling	No	1		
	1 : 0 2 : 0 3 : 1 4 : 0				
	5 : 0				
16	160mm Electroweld sleeve coupling	No	4		
	1 : 0 2 : 0 3 : 4 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward					R
<u>Sundries</u>					
17	Base plate square two-hole with G1/2" threaded nut 1 : 0 2 : 0 3 : 1 4 : 0 5 : 0	No	1		
18	125mm Adjustable pipe bracket, with G1/2" threaded socket 1 : 0 2 : 0 3 : 2 4 : 0 5 : 0	No	2		
19	160mm Adjustable pipe bracket, with G1/2" threaded socket 1 : 0 2 : 0 3 : 4 4 : 0 5 : 0	No	4		
20	125mm Electrowelding tape for anchor bracket 1 : 0 2 : 0 3 : 1 4 : 0 5 : 0	No	1		
<u>Roof outlets</u>					
21	Pluvia or equivalent roof outlet with a capacity of 9 l/s with and including universal contact sheet 1 : 0 2 : 0 3 : 1 4 : 0 5 : 0	No	1		
22	Pluvia or equivalent roof outlet with a capacity of 12 l/s with contact sheet 1 : 0 2 : 0 3 : 1 4 : 0 5 : 0	No	1		
23	Rainwater Hopper Box 300 x 200 x 200mm for 160mm downpipes 1 : 0 2 : 0 3 : 1 4 : 0 5 : 0	No	1		
24	760 x 300 x 120mm Precast concrete rainwater channel stop end (20kg) 1 : 0 2 : 0 3 : 1 4 : 0 5 : 0	No	1		
<u>SOIL WASTE AND VENT PIPES</u>					
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward					R
<u>HDPE soil, waste and vent pipes including, all elecroweldcoupling, expansion couplings, ring seal sockets and butt joint welds in the running lengths as per manufacturer's specifications</u>					
25	50mm Diameter pipes	m	124		
	1 : 81 2 : 40 3 : 4 4 : 0				
	5 : 0				
26	110mm Diameter pipes	m	126		
	1 : 79 2 : 43 3 : 4 4 : 0				
	5 : 0				
<u>Extra over HDPE pipes for fittings, including butt welds</u>					
27	50mm Screwed access end cap	No	40		
	1 : 22 2 : 16 3 : 2 4 : 0				
	5 : 0				
28	110mm Screwed access end cap	No	358		
	1 : 241 2 : 108 3 : 9 4 : 0				
	5 : 0				
29	110 x 50mm Reducer	No	47		
	1 : 33 2 : 14 3 : 1 4 : 0				
	5 : 0				
30	50mm Bend	No	162		
	1 : 110 2 : 47 3 : 4 4 : 0				
	5 : 0				
31	110mm Bend	No	50		
	1 : 24 2 : 24 3 : 2 4 : 0				
	5 : 0				
32	50mm Junction	No	20		
	1 : 11 2 : 8 3 : 1 4 : 0				
	5 : 0				
33	110mm Junction	No	25		
	1 : 12 2 : 12 3 : 1 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward					R	
34	50mm BSP adaptor	No	20			
	1 : 12 2 : 6 3 : 1 4 : 0					
	5 : 0					
35	110mm Straight pan connector	No	24			
	1 : 11 2 : 12 3 : 1 4 : 0					
	5 : 0					
36	110mm Vent cowl	No	25			
	1 : 12 2 : 12 3 : 1 4 : 0					
	5 : 0					
<u>Sundries</u>						
37	Joint of 50mm diameter HDPE pipe to floor drain or bath/basin/sink traps, etc.	No	17			
	1 : 8 2 : 8 3 : 1 4 : 0					
	5 : 0					
38	Joint of 110mm diameter cast iron pipe to stainless steel floor drain/grease trap	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0					
	5 : 0					
<u>Traps, etc., including coupling to steel pipes and/or fittings</u>						
39	Square flange floor drain.	No	2			
	1 : 2 2 : 0 3 : 0 4 : 0					
	5 : 0					
40	110mm HDPE gulley trap	No	2			
	1 : 0 2 : 2 3 : 0 4 : 0					
	5 : 0					
41	400 x 400 x 16mm Concrete drain gulley with and including grating	No	2			
	1 : 0 2 : 2 3 : 0 4 : 0					
	5 : 0					
<u>DOMESTIC WATER SERVICES (HOT & COLD)</u>						
Carried Forward					R	
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA						

Ntshole Clinic Replacement of Existing Facility

Brought Forward					R	
<u>Class 'O' hard drawn capillary type copper tubing, including straight couplers in the running lengths</u>						
42	15mm Diameter pipes	m	374			
	1 : 246 2 : 117 3 : 10 4 : 0					
	5 : 0					
43	20mm Diameter pipes	m	53			
	1 : 40 2 : 12 3 : 1 4 : 0					
	5 : 0					
44	22mm Diameter pipes	m	31			
	1 : 14 2 : 16 3 : 1 4 : 0					
	5 : 0					
45	35mm Diameter pipes	m	2			
	1 : 2 2 : 0 3 : 0 4 : 0					
	5 : 0					
46	50mm Diameter pipes	m	5			
	1 : 2 2 : 3 3 : 0 4 : 0					
	5 : 0					
<u>Extra over Class 'O' hard drawn capillary type tubing, for all types of capillary fittings</u>						
47	15mm Fitting	No	51			
	1 : 24 2 : 24 3 : 3 4 : 0					
	5 : 0					
48	20mm Fitting	No	12			
	1 : 12 2 : 0 3 : 0 4 : 0					
	5 : 0					
49	22mm Fitting	No	69			
	1 : 30 2 : 36 3 : 3 4 : 0					
	5 : 0					
50	35mm Fitting	No	3			
	1 : 3 2 : 0 3 : 0 4 : 0					
	5 : 0					
51	20mm Reducer	No	12			
	1 : 12 2 : 0 3 : 0 4 : 0					
	5 : 0					
Carried Forward					R	
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA						

Ntshole Clinic Replacement of Existing Facility

Brought Forward					R	
52	22mm Reducer	No	69			
	1 : 30 2 : 36 3 : 3 4 : 0					
	5 : 0					
53	35mm Reducer	No	3			
	1 : 3 2 : 0 3 : 0 4 : 0					
	5 : 0					
54	50mm Straight male/female iron adaptor	No	3			
	1 : 1 2 : 1 3 : 0 4 : 0					
	5 : 0					
55	15mm Elbow/bend	No	31			
	1 : 14 2 : 14 3 : 2 4 : 0					
	5 : 0					
56	20mm Elbow/bend	No	7			
	1 : 7 2 : 0 3 : 0 4 : 0					
	5 : 0					
57	22mm Elbow/bend	No	41			
	1 : 18 2 : 22 3 : 2 4 : 0					
	5 : 0					
58	35mm Elbow/bend	No	2			
	1 : 2 2 : 0 3 : 0 4 : 0					
	5 : 0					
59	50mm Elbow/bend	No	3			
	1 : 1 2 : 1 3 : 0 4 : 0					
	5 : 0					
60	15mm Reducing tee	No	15			
	1 : 7 2 : 7 3 : 1 4 : 0					
	5 : 0					
61	20mm Reducing tee	No	4			
	1 : 4 2 : 0 3 : 0 4 : 0					
	5 : 0					
62	22mm Reducing tee	No	21			
	1 : 9 2 : 11 3 : 1 4 : 0					
	5 : 0					
Carried Forward					R	
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA						

Ntshele Clinic Replacement of Existing Facility

Brought Forward					R	
63	50mm Reducing tee	No	3			
	1 : 1 2 : 1 3 : 0 4 : 0					
	5 : 0					
64	35mm Reducing tee	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0					
	5 : 0					
65	15mm Equal tee	No	9			
	1 : 4 2 : 4 3 : 1 4 : 0					
	5 : 0					
66	20mm Equal tee	No	2			
	1 : 2 2 : 0 3 : 0 4 : 0					
	5 : 0					
67	22mm Equal tee	No	12			
	1 : 5 2 : 6 3 : 1 4 : 0					
	5 : 0					
68	35mm Equal tee	No	1			
	1 : 1 2 : 0 3 : 0 4 : 0					
	5 : 0					
69	50mm Equal tee	No	3			
	1 : 1 2 : 1 3 : 0 4 : 0					
	5 : 0					
	<u>Galvanised medium grade mild steel screwed and socketed pipes, including couplings in the running lengths</u>					
70	50mm Diameter pipes	m	11			
	1 : 4 2 : 6 3 : 0 4 : 0					
	5 : 0					
	<u>Extra over galvanised mild steel screwed and socketed pipes for galvanised mild steel fittings, including couplings</u>					
71	50mm Fitting	No	51			
	1 : 24 2 : 24 3 : 3 4 : 0					
	5 : 0					
Carried Forward					R	
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA						

Brought Forward				R	
<u>'Thermaflex' or equivalent insulation of 15mm nominal wall thickness, around pipes, including fittings and valves, etc. all in compliance with SANS10400XA and SANS 204 (Energy Efficiency)</u>					
72	15mm Diameter pipes, including fittings and valves 1 : 25 2 : 24 3 : 3 4 : 0 5 : 0	m	52		
73	20mm Diameter pipes, including fittings and valves 1 : 9 2 : 0 3 : 0 4 : 0 5 : 0	m	9		
74	22mm Diameter pipes, including fittings and valves 1 : 14 2 : 16 3 : 1 4 : 0 5 : 0	m	31		
75	35mm Diameter pipes, including fittings and valves 1 : 2 2 : 0 3 : 0 4 : 0 5 : 0	m	2		
76	50mm Diameter pipes, including fittings and valves 1 : 4 2 : 6 3 : 0 4 : 0 5 : 0	m	11		
<u>Valves, etc., including coupling to pipes and/or fittings</u>					
77	15mm 'Cobra' or equivalent No. 1090/15 chromium plated fullway ball valve 1 : 4 2 : 8 3 : 0 4 : 0 5 : 0	No	12		
78	20mm 'Cobra' or equivalent No. 1090/20 chromium plated fullway ball valve 1 : 4 2 : 0 3 : 0 4 : 0 5 : 0	No	4		
79	25mm 'Cobra' or equivalent No. 1090/25 chromium plated fullway ball valve 1 : 10 2 : 12 3 : 1 4 : 0 5 : 0	No	23		
Carried Forward				R	
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward					R
80	40mm 'Cobra' or equivalent No. 1090/40 chromium plated fullway ball valve 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1		
81	65mm 'Cobra' or equivalent No. 1090/65 chromium plated fullway ball valve 1 : 0 2 : 0 3 : 0 4 : 0 5 : 0	No	1		
82	Flush junior : urinal flush valve exposed. Non-hold open feature. Econoflush with ball o stop control inlet, wall flange, additional screw and piston For large bowl and stall urinals. 3/4bsp female iron connection end. Recommended optimum design pressures: Inlet flow pressure 30 - 500kpa: maximum system pressure 600kpa. Fitted with all pipe connections & fittings. 1 : 3 2 : 0 3 : 0 4 : 0 5 : 0	No	3		
<u>WATER METERS, ETC., INCLUDING INSTALLATION COMPLETE</u>					
83	20mm Brass cold water meter with hinged cover over cyclometer dial 1 : 2 2 : 4 3 : 0 4 : 0 5 : 0	No	6		
84	20mm Brass hot water meter with hinged cover over cyclometer dial 1 : 2 2 : 4 3 : 0 4 : 0 5 : 0	No	6		
<u>CONCRETE FORMWORK</u>					
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward					R
<u>Polystyrene block to be cast into reinforced concrete floor and maintaining in correct position during concrete pour</u>					
85	Polystyrene block size 300 x 300 x 150mm to be cast into reinforced concrete slabs to create void for slop hopper trap	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>CLEANING AND STERILIZING</u>					
86	Provide all necessary water and sterilization material, etc., for cleaning the inside of the concrete domestic water tank, including chlorination, complete to the satisfaction of the architect, including providing a certificate of compliance and leave perfect on completion	Item	1.00		
	1 : 1.00 2 : 0.00 3 : 0.00 4 : 0.00				
	5 : 0.00				
<u>Sundries</u>					
87	Special pipe bracket formed of 25 x 25mm hollow section, two legs 800mm high and one cross brace 500mm long, two baseplate 400 x 400 x 3mm thick all welded together, the baseplate holed for and including four 10mm holding down bolts, all undercoated and painted to the satisfaction of the architect/engineer	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>TESTING</u>					
88	Provide all necessary water, etc., for and test this section of the plumbing services, sanitary fittings, pumps, etc., and in stages as deemed necessary, including chlorination, complete to the satisfaction of the architect and the local authority, replace any defective work free of charge, including any necessary re-testing and leave perfect on completion	Item	1.00		
	1 : 1.00 2 : 0.00 3 : 0.00 4 : 0.00				
	5 : 0.00				
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward				R
89	Allow for testing and commissioning this section of the plumbing services, sanitary fittings, pumps, etc., including any necessary re-setting, etc., for optimal performance of the entire system to the satisfaction of the architect for the duration of the contract, maintenance and guarantee period 1 : 1.00 2 : 0.00 3 : 0.00 4 : 0.00 5 : 0.00 <u>THE FOLLOWING IN ABLUTION DUCTS</u> Refer to the Preambles in the Earthworks bills contained in this document <u>The following in ducts above NGL</u>	Item	1.00	
90	Excavation in earth or compacted earth filling not exceeding 2m deep below natural, reduced or made up ground level, for drainage trenches. 1 : 2 2 : 0 3 : 0 4 : 0 5 : 0	m3	2	
91	19mm Washed broken stone filling in ablution ducts 1 : 2 2 : 0 3 : 0 4 : 0 5 : 0 <u>SANITARY FITTINGS</u> <u>Rates for all sanitary fittings are to allow for the supply, deliver and installation of all fittings, inclusive of all sundry materials required for the installation, complete as per sanitary schedules on the drawings (pipework elsewhere measured).</u> Water Closet	m3	2	
92	WC suite comprising 'Aquasave' (code 751300) or equivalent white vitreous china pan with 'DPE A1 De Lux' solid hard double flap plastic toilet seat and 6 litre 'Siso' cistern & nbsp;(code 712034) with flush valve (codeFJ 1000 or equivalent). 1 : 10 2 : 12 3 : 1 4 : 0 5 : 0	No	23	
Carried Forward				R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA				

Ntshele Clinic Replacement of Existing Facility

Brought Forward					R
93	Low level WC suite comprising 'Protea Paraplegic' code 7502 white vitreous china pan or equivalent with 'DPE A1 De Lux' solid hard double flap plastic toilet seat and 9 litre cistern code 710539 with flush pipe and side-flush lever mounted on wall adjacent to cistern. 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0 Wash hand basin	No	1		
94	510 x 400mm 'Sola' (code 703700) white vitreous china medical basin or equivalent with two tapholes including 32mm standing overflow tube fixed to wall on and including concealed wall bracket (code 8131Z2 or equivalent) and three 10mm bolts (code 8448Z0 or equivalent) sealed with silicone sealant where basin meets the wall. 1 : 6 2 : 2 3 : 0 4 : 0 5 : 0	No	9		
95	60cm Medical basin. Vitreous china. With no overflow. Colour : white. 1 : 25 2 : 10 3 : 1 4 : 0 5 : 0 Urinal	No	35		
96	565 x 275 x 310 mm white vitreous china wall mounted Urinal or equivalent fixed on and including two hanger Brackets. Installation to be in strict accordance with the manufacturer's specifications and details. Urinal to be fixed with a chrome flush pipe. 1 : 3 2 : 0 3 : 0 4 : 0 5 : 0 Sink	No	3		
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Ntshele Clinic Replacement of Existing Facility

Brought Forward					R
97	Combination sink, free standing, formed from grade 304 1.2 mm thick. Stainless steel, with double bowl. Overall size 1 830 x 685 mm with 150 mm high splash back as model EC6 supplied, complete with cobra FM 1.00 flush valve or equivalent, 15 mm bedpan spray nozzle and 15 mm bottle spray nozzle, including pillar mixer with over arm swivel spout as CP171/041 and pillar mixer with retractable hand spray ref CP297 or equivalent 1 : 2 2 : 4 3 : 0 4 : 0 5 : 0	No	6		
98	Franke drop-on sink or equivalent, polished stainless steel, single bowl, 900 x 535mm x 150mm, 38mm waste diameter, fitted onto cupboard (elsewhere specified). 1 : 6 2 : 4 3 : 1 4 : 0 5 : 0	No	11		
Slop Hopper					
99	Slop hopper sink (CH) formed of 1.2 mm thick grade 304 18/10 stainless steel size 540 x 540 x 415 mm supplied with integral splashback; 110 mm waste outlet connected to and including p or s trap as required; integral flush pipe inlet with cobra FM 1.00 flush valve connected to 35 mm diameter water supply; hinged bucket grid fitted over funnel, fixed to plastered brickwork wall using two 40 x 40 mm square section stainless steel gallows brackets, and including bolting with four anchor 12 mm diameter bolts, 600 mm above finished floor level. 1 : 1 2 : 0 3 : 0 4 : 0 5 : 0	No	1		
Showers					
100	Cobra Den Shower Head or equivalent 6 Spray patterns 155mm Chrome 1 : 1 2 : 6 3 : 0 4 : 0 5 : 0	No	7		
101	Cobra shower arm or equivalent, round 300 Length: 300mm Brass Construction Chrome Plated 1 : 1 2 : 6 3 : 0 4 : 0 5 : 0	No	7		
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward				R
<u>TAPS, ETC., INCLUDING COUPLING TO PIPES AND/OR FITTINGS</u>				
102	Medical elbow-action, wall-type mixer, chrome. Includes: 1/4 turn ceramic disc, 1/2 bsp male inlet, aerated swan-neck swivel outlet, fixed centre bent inlet connections, and hook for swivel outlet, 20 year warranty	No	35	
	1 : 25 2 : 10 3 : 1 4 : 0 5 : 0			
103	Basin mixer, - one hole single lever, chrome. Flow restricted to 5.7 l/min. Includes 3/8 bsp, 400mm long, female flexible inlets, chrome plated	No	9	
	1 : 6 2 : 2 3 : 0 4 : 0 5 : 0			
104	Highrise swivel mixer with overarm swivel spout	No	34	
	1 : 16 2 : 16 3 : 2 4 : 0 5 : 0			
105	Hose bib tap. Heavy pattern low resistance type. With 3/4inch hose union, wingnut and lining for 3/4inch hose pipe. 3/4inch bsp male iron connection end. Standard brass. Code: fbbhn2c3-7ft01 or equivalent	No	1	
	1 : 1 2 : 0 3 : 0 4 : 0 5 : 0			
106	Flush actuator for urinal in 'Matt Chrome'	No	3	
	1 : 3 2 : 0 3 : 0 4 : 0 5 : 0			
107	COBRA Nile or equivalent concealed shower or bath mixer chrome single lever, code FSWHR6AR-0GT01	No	7	
	1 : 1 2 : 6 3 : 0 4 : 0 5 : 0			
<u>TRAPS, ETC</u>				
Carried Forward				R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA				

Ntshole Clinic Replacement of Existing Facility

Brought Forward					R
Approved:					
108	Bottle nose trap 32mm chrome plated deep seal bottle trap code 345/50 or equivalent, 50mm outlet. 1 : 6 2 : 4 3 : 1 4 : 0 5 : 0	No	11		
109	Dip tube trap for washbasin, horizontal outlet: d40mm g1 1/4" bright chrome-plated - plastic 1 : 31 2 : 12 3 : 1 4 : 0 5 : 0	No	44		
110	40 x 40mm Plain rubber p-trap - all to architect's approval, or similar approved by architect 1 : 2 2 : 4 3 : 0 4 : 0 5 : 0	No	6		
111	Urinal trap code 152.983.00.1 or similar approved 1 : 3 2 : 0 3 : 0 4 : 0 5 : 0	No	3		
112	"Cobra" or equivalent Square Shower Trap with Shower P-trap, Outlet connection and Square Grating 1 : 1 2 : 6 3 : 0 4 : 0 5 : 0	No	7		
WASTE UNIONS, ETC.					
Approved:					
113	32mm Chrome plated aqua slotted basin click waste (302-32) with 62mm diameter flange and 80mm long shank or similar approved by architect 1 : 6 2 : 2 3 : 0 4 : 0 5 : 0	No	9		
114	Unslotted with flanged back nut and washer, plug with stirrup. 62mm flange, 45mm long shank. 1 1/2inch bsp male iron connection 1 : 25 2 : 10 3 : 1 4 : 0 5 : 0	No	35		
Carried Forward					R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA					

Brought Forward				R
<u>ELECTRIC WATER HEATERS</u>				
<u>"Kwikot" or equally approved</u>				
115	"Approved" 150 litre water heater direct to comply with SANS 1307, and is SABS 400kPa approved, supplied & installed as per the manufacturer	No	4.00	
<u>FIRE SERVICES</u>				
<u>Galvanised mild steel screwed and socked pipes and fittings</u>				
116	32mm Pipe and excavation not exceeding 1m deep including backfilling 1 : 15 2 : 0 3 : 0 4 : 0 5 : 0	m	15	
117	25mm Pipe laid in/under floors or fixed to walls, roofs, etc. 1 : 56 2 : 0 3 : 0 4 : 0 5 : 0	m	56	
<u>Extra over galvanised mild steel pipes for galvanised mild steel fittings</u>				
118	25mm Fittings 1 : 18 2 : 0 3 : 0 4 : 0 5 : 0	No	18	
119	32mm Reducing coupling 1 : 2 2 : 0 3 : 0 4 : 0 5 : 0	No	2	
120	32mm Elbow 1 : 4 2 : 0 3 : 0 4 : 0 5 : 0	No	4	
<u>Fire appliances, etc.</u>				
121	4.5kg Dry chemical powder fire extinguisher, including backboard, plugged and screwed 1 : 4 2 : 0 3 : 0 4 : 0 5 : 0	No	4	
Carried Forward				R
Section No. 2 Bill No. 17 Plumbing & Drainage COEGA				

Ntshole Clinic Replacement of Existing Facility

Brought Forward				R
122	Fire house reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket bolted to wall with and including expansion bolts	No	2	
	1 : 2 2 : 0 3 : 0 4 : 0			
	5 : 0			
	Testing			
123	Provide all necessary apparatus, water, etc. for and test the whole of the Fire Service installations to the satisfaction of a Representative/Agent and the Local Authority, rectify all defective work free of charge and leave in perfect order	Item	1.00	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 17				
Plumbing & Drainage				
COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 18</u> <u>GLAZING</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained.			
	Carried Forward Section No. 2 Bill No. 18 Glazing COEGA		R	

Brought Forward				R
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u> <u>6mm Silvered float glass copper backed mirrors</u> <u>with polished edges holed for and fixed with</u> <u>chromium plated dome capped mirror screws with</u> <u>rubber buffers to plugs in brickwork or concrete,</u> <u>etc. and or as stated on the below measured items</u>				
1	400 x 800mm Mirror, fixed to wall with industrial double sided tape, aluminium edging strip to be installed between tiling and mirror. Or similar approved by architect.	No	44	
	1 : 43 2 : 12 3 : 1 4 : 0 5 : -12			
Carried Forward to Summary of Section No. 2 Section No. 2 Bill No. 18 Glazing COEGA				R

Item No		Quantity	Rate	Amount
	<u>BILL 19</u> <u>PAINTWORK</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection. <u>Paint specification</u> Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the Architect. Descriptions of paintwork including undercoats shall be deemed to include undercoats as recommended by the manufacturer of the finishing coats			
	Carried Forward Section No. 2 Bill No. 19 Paintwork COEGA		R	

Brought Forward				R	
<u>PAINTWORK, ETC. TO NEW WORK ON:</u>					
<u>ON FACE BRICKWORK</u>					
<u>Two coats brick dressing</u>					
1	Face Brick To Be Coated With A Low-Voc (Or Similar Approved) Brick Dressing Oil, To Manufacturer's Specifications.	m2	1 370		
	1 : 839 2 : 312 3 : 219 4 : 0 5 : 0				
<u>FLOATED PLASTER SURFACES</u>					
<u>Antibacterial Paint on cement plaster skimmed to a smooth surface.</u>					
• <u>Ensure surfaces are sound, clean and thoroughly dry - moisture content should not exceed 12%.</u>					
• <u>Apply primer as per manufacturer's recommendations and specifications.</u>					
• <u>Finish with 2 coats of anti-bacterial eggshell paint with drying times as per manufacturer's recommendations and specifications.</u>					
• <u>ISO certification to be provided for approval.</u>					
2	Internal walls	m2	3 969		
	1 : 2558 2 : 1271 3 : 140 4 : 0 5 : 0				
3	Internal walls not exceeding 300mm wide	m	686		
	1 : 570 2 : 89 3 : 28 4 : 0 5 : 0				
Carried Forward				R	
Section No. 2 Bill No. 19 Paintwork COEGA					

Brought Forward				R
	Plaster and paint with a minimum 7-year maintenance cycle and guarantee from manufacturer on product. Site specific specification to be generated and confirmation from manufacturer. Product to have the following specifications: • Excellent exterior durability, flexibility and adhesion to cement based surfaces. • Excellent alkali resistance and adhesion to cement based surfaces. • Outstanding water and dirt resistance. • Inherent mould resistant properties that prevent the growth of fungus. • Excellent stain resistance and washability. • Mid-sheen and low voc (max 25g/l tinted). • Non-flammable. • Surface to be primed as per manufacturer's recommendations and specifications.			
4	External walls	m2	232	
	1 : 140 2 : 78 3 : 14 4 : 0			
	5 : 0			
5	External walls not exceeding 300mm wide	m	529	
	1 : 376 2 : 110 3 : 43 4 : 0			
	5 : 0			
	<u>PLASTER BOARD SURFACES WITH</u>			
	<u>Surface to be dry, sound and free of dirt and loose particles. Wipe down with a damp cloth and allow to dry completely. Prime with one coat alkali resistant plaster primer (Patching) and finish with two coats 65 matt pva</u>			
6	Internal bulkheads and ceilings	m2	561	
	1 : 137 2 : 424 3 : 0 4 : 0			
	5 : 0			
7	Fascia and barge boards exceeding 300mm wide or high	m2	242	
	1 : 164 2 : 78 3 : 0 4 : 0			
	5 : 0			
	Carried Forward			R
	Section No. 2 Bill No. 19 Paintwork COEGA			

Brought Forward				R
<u>SMOOTH CONCRETE SURFACES WITH</u> <u>Ensure surfaces are clean, dry and sound. Moisture content not more than 8% measured on a doser hygrometer bd2 scale (or equivalent) before painting. Apply either universal undercoat or professional undercoat to bare and repaired areas. Allow 16 hours to dry or apply multisurface primer to bare and repaired areas. Allow 2 hours to dry. Finish with two coats pure acrylic emulsion sheen paint with 2 hours drying time between coats, for a maintenance cycle of 12 years</u>				
8	Internal concrete soffits	m2	35	
	1 : 0 2 : 0 3 : 35 4 : 0			
	5 : 0			
9	Concrete columns	m2	139	
	1 : 139 2 : 0 3 : 0 4 : 0			
	5 : 0			
10	Concrete isolated beams	m2	404	
	1 : 404 2 : 0 3 : 0 4 : 0			
	5 : 0			
Carried Forward				R
Section No. 2 Bill No. 19 Paintwork COEGA				

Brought Forward				R
<u>METAL SURFACES WITH</u> <u>Surface to be clean and dry. Remove surface contaminants using metal care aquasolv Degreaser (gr 1) with bristle brush or brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to Iso 8501 - 01:1988 - sa2½ or by hand/mechanical wire Brushing to st3 of the same standard. Allow to dry Completely and prime within 4 hours of cleaning. Prime with one coat epiwash chromate free primer (aw 1255) or equivalent with an overcoating time of 4 hours and finish with two coats polyurethane enamel (up) with 2 Hours drying time between coats, for a maintenance cycle of 6 years in a c1 - inland environment.</u>				
11	Door frames	m2	20	
	1 : 7 2 : 7 3 : 5 4 : 0 5 : 0			
12	Steel gates with clear-vu infill	m2	52	
	1 : 52 2 : 0 3 : 0 4 : 0 5 : 0			
13	Door surfaces not exceeding 300mm wide	m	55	
	1 : 55 2 : 0 3 : 0 4 : 0 5 : 0			
Carried Forward				R
Section No. 2 Bill No. 19 Paintwork COEGA				

	Brought Forward			R	
	<u>Surface to be clean and dry. Remove surface contaminants using metal care aquasolv Degreaser (gr 1) with bristle brush or brillo pads. Rinse thoroughly with tap water until surface is water break-free. Remove rust and millscale by abrasive blasting to Iso 8501 - 01:1988 - sa2½ or by hand/mechanical wire Brushing to st3 of the same standard. Allow to dry Completely and prime within 4 hours of cleaning. Prime with one coat epiwash chromate free primer (aw 1255) or equivalent with an overcoating time of 4 hours and finish with two coats polyurethane enamel (up) with 2 Hours drying time between coats, for a maintenance cycle of 6 years in a c1 - inland environment.</u>				
14	Door frames 1 : 16 2 : 0 3 : 0 4 : 0 5 : 0	m2	16		
15	Doors 1 : 38 2 : 0 3 : 0 4 : 0 5 : 0	m2	38		
16	Door surfaces not exceeding 300mm wide 1 : 56 2 : 0 3 : 0 4 : 0 5 : 0	m	56		
	<u>WOOD SURFACES WITH</u>				
	<u>Surface to be dry, sound and clean. Wash knots and resinous areas with lacquer thinners (ils 1) and coat with woodcare knot seal (pk 2) or equivalent and apply one coat of plascon woodcare pretreatment (wwp 1) or equivalent, overcoated within 48 hours with a moisture content, measured with a doser hygrometer (or equivalent), of bd 2 scale (a1-a5) < 14% or less. Prime with one coat wood primer (uc 2) with an overcoating time of 16 hours and finish with two coats wall & all with 2 hours drying time between coats, for a maintenance cycle of 7 years.</u>				
17	Doors 1 : 86 2 : 16 3 : 12 4 : 0 5 : 0	m2	114		
	Carried Forward			R	
	Section No. 2 Bill No. 19 Paintwork COEGA				

	Brought Forward			R	
18	Door surfaces not exceeding 300mm wide 1 : 164 2 : 49 3 : 37 4 : 0 5 : 0	m	250		
Carried Forward to Summary of Section No. 2					
Section No. 2 Bill No. 19 Paintwork COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 20</u> <u>BUILDER'S WORK IN CONNECTION WITH SERVICES</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 2 Bill No. 20 Builders' work in connection with services COEGA		R	

Brought Forward					R
<u>SLEEVE PIPES, ETC.</u>					
<u>Cut horizontal or vertical chase in brickwork and make good, for:</u>					
1	Double electrical conduits	m	210		
	1 : 150 2 : 45 3 : 15 4 : 0 5 : 0				
<u>Cut holes for pipes not exceeding 100mm diameter and make good, through the following.</u>					
2	One-brick wall	No	70		
	1 : 50 2 : 15 3 : 5 4 : 0 5 : 0				
<u>Cut recess in walls and make good for the following.</u>					
3	Electrical switch or socket outlet in 230mm one brick wall.	No	49		
	1 : 35 2 : 11 3 : 4 4 : 0 5 : 0				
<u>Make good chases cut into existing plastered walls including making good at junction of new with existing plaster (forming of chase elsewhere).</u>					
4	Chase cut into one or two coat cement plaster wall finish for double conduit.	m	210		
	1 : 150 2 : 45 3 : 15 4 : 0 5 : 0				
<u>Metal lathing/ chicken mesh wire or equally approved</u>					
5	Supply & install 100mm wide metal lathing/ chicken mesh wire fixed to chased walls.	m	210		
	1 : 150 2 : 45 3 : 15 4 : 0 5 : 0				
<u>CONCRETE ALTERATIONS, ETC.</u>					
<u>Core drilling through concrete, etc.</u>					
6	Hole exceeding 150mm not exceeding 200mm diameter	No	4		
	1 : 4 2 : 0 3 : 0 4 : 0 5 : 0				
Carried Forward					R
Section No. 2 Bill No. 20 Builders' work in connection with services COEGA					

Ntshele Clinic Replacement of Existing Facility

Brought Forward					R
7	80mm Diameter opening through 255mm thick reinforced concrete slab, beams, wall, etc	No	5		
	1 : 5 2 : 0 3 : 0 4 : 0				
	5 : 0				
8	200mm Diameter opening through 255mm thick reinforced concrete slab, beams, wall, etc	No	7		
	1 : 7 2 : 0 3 : 0 4 : 0				
	5 : 0				
	<u>Scans, etc.</u>				
9	Radar scans through concrete 255mm deep including marking out rebar on a surfaces not exceeding 4m2 each	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0				
	5 : 0				
Carried Forward					R
Section No. 2					
Bill No. 20					
Builders' work in connection with services					
COEGA					

Brought Forward					R
<u>STANDBY GENERATOR</u>					
<u>Design, supply, install, test and commission 380V, 50Hz, emergency diesel generator complete with sound proof canopy, embedded fuel day tank (minimum 8 hours back-up), automatic change-over panel etc.</u>					
<u>Test and commission the Fully Enclosed Outdoor Type Diesel Generator set (of 250 kVA Prime type) including the cooling system, sound attenuation system (special care must be given to the attenuation as the set is located in a residential environment - <75dB(A) at one meter from the set), under unit base fuel tank with full double skin type diesel fuel tank, fuel system, topped up fuel, tank, stainless steel exhaust system clad with stainless steel, weather proof painted 3CR12 Canopy and radiator louvre, battery and battery charger system and AMF control panel (Deep sea or similar approved submitted with this tender), including cabling & stainless steel cable supports from AMF panel to generator etc. Engine (John Deere, Perkins, Deutz, Volvo, Mitsubishi, Caterpillar or similar approved submitted with this tender), Alternator (Stromberg, Marelli, Mecc or similar approved submitted with this tender)</u>					
10	250kVA emergency diesel standby generator (rated 250kVA for standby operation)	No	1		
	1 : 1 2 : 0 3 : 0 4 : 0				
	5 : 0				
<u>Diesel first fill</u>					
11	Supply and fill full tank of diesel, after commissioning of generator	ltr	200		
	1 : 200 2 : 0 3 : 0 4 : 0				
	5 : 0				
Carried Forward to Summary of Section No. 2					R
Section No. 2					
Bill No. 20					
Builders' work in connection with services					
COEGA					

Ntshele Clinic Replacement of Existing Facility

Bill No	SECTION SUMMARY - Building Works		Page No		Amount
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2	Earthworks		50		
3	Prefabricated Modular Buildings - Decanting		62		
4	Concrete, Formwork & Reinforcement		73		
5	Precast Concrete		76		
6	Masonry		85		
7	Waterproofing		92		
8	Roof Covering		97		
9	Carpentry & Joinery		103		
10	Ceilings		109		
11	Floor Coverings, etc.		113		
12	Ironmongery		121		
13	Structural Steel		130		
14	Metalwork		144		
15	Plastering		149		
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17	Plumbing & Drainage		177		
18	Glazing		179		
19	Paintwork		186		
20	Builders' work in connection with services		190		
Carried to Final Summary					R
Section No. 2					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 1</u> <u>FENCING</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 3 Bill No. 1 Fencing COEGA		R	

Brought Forward		R	
<u>Definitions</u>			
The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
<u>Blasting</u>			
No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property.			
<u>Dump site</u>			
Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard.			
<u>Carting away of excavated material</u>			
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.			
<u>Imported filling</u>			
Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site.			
Carried Forward		R	
Section No. 3 Bill No. 1 Fencing COEGA			

Brought Forward <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc.		R	
Carried Forward Section No. 3 Bill No. 1 Fencing COEGA		R	

Ntshele Clinic Replacement of Existing Facility

Brought Forward <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.			R	
Carried Forward Section No. 3 Bill No. 1 Fencing COEGA			R	

Brought Forward			R
<u>BOUNDARY SCREEN FENCE</u>			
<u>Approved Category 3 Security Fencing System</u> <u>(Clear-Vu or Equally approved)</u>			
1	Supply and install fencing comprising of steel mesh panels size 3000 x 2400mm high at 3000mm centres, 4mm diameter hot dipped galvanised wire with aperture size 76,2mm x 12.7mm, panels to be reinforced with 4 x 50mm "V" recessed bands including 2 x 75mm 70 degree flanges along sides, posts cast into 600mm deep x 400mm wide 15Mpa concrete base on one side, posts 85 x 45mm tapered, hot dipped galvanised the polymetic 6000 coated, including all single and double bolt comb clamps galvanised then polymetic 6000 coated and antivandal galvanised bolts, the fence to fitted with anti-climb comprising of 100mm high galvanised "shark tooth" type spike rails, bolted to 50mm wide ClearVu mesh or equivalent flange bent along fence on top, fitted with anti-burrow comprising of 500mm ripper flatwrap at the bottom, all installed according to manufacturer's instructions and specifications, suitable for non-coastal areas	m	301
2	Supply and install fencing comprising of steel mesh panels size 3000 x 2000mm high at 3000mm centres, 4mm diameter hot dipped galvanised wire with aperture size 76,2mm x 12.7mm, panels to be reinforced with 4 x 50mm "V" recessed bands including 2 x 75mm 70 degree flanges along sides, posts cast into 600mm deep x 400mm wide 15Mpa concrete base (including under digging for sloping areas) on one side, posts 85 x 45mm tapered, hot dipped galvanised the polymetic 6000 coated, including all single and double bolt comb clamps galvanised then polymetic 6000 coated and antivandal galvanised bolts, the fence to fitted with anti-climb comprising of 100mm high galvanised "shark tooth" type spike rails, bolted to 50mm wide ClearVu mesh flange bent along fence on top, fitted with anti-burrow comprising of 500mm ripper flatwrap at the bottom, all installed according to manufacturer's instructions and specifications, suitable for non-coastal areas	m	48
Carried Forward			R
Section No. 3 Bill No. 1 Fencing COEGA			

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Item No		Quantity	Rate	Amount
	<u>BILL 2</u> <u>STORMWATER DRAINAGE, SEWER DRAINAGE AND WATER SUPPLY</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
	Carried Forward Section No. 3 Bill No. 2 Storm Water Installation COEGA		R	

Brought Forward <u>Blasting</u> No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Engineer's drawings.		R	
Carried Forward Section No. 3 Bill No. 2 Storm Water Installation COEGA		R	

Brought Forward <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.		R	
<u>STORMWATER DRAINAGE</u> Carried Forward Section No. 3 Bill No. 2 Storm Water Installation COEGA		R	

Brought Forward			R
	<u>Mass concrete with a coarse aggregate of 19mm and a minimum compressive strength of 15MPa at 28 days</u>		
1	V-shaped channel 2000mm wide x 75mm thick with rounded salient edges and finished on exposed surfaces with (2:1) cement mortar, laid to falls in panels not exceeding 1800mm long with 12mm bitumen impregnated softboard movement joints with exposed edges raked out for a depth of 10mm and filled with bituminous compound including all necessary excavation, compaction, formwork, etc.	m	146
	<u>EXCAVATION FOR PIPES</u>		
	<u>Excavation in earth not exceeding 2m deep</u>		
2	Trench excavation for pipes exceeding 1m wide and not exceeding 2m wide (Pipes measured elsewhere)	m3	150
	<u>EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER</u>		
	<u>Extra over bulk excavation in earth for excavation in</u>		
3	Hard rock	m3	8
	<u>Risk of collapse of excavations.</u>		
4	Sides of trench and hole excavations exceeding 1,5m deep.	m2	200
	<u>Keeping excavations free of water</u>		
5	Keeping excavations free of water	Item	1.00
	<u>STORMWATER DRAINAGE</u>		
	<u>HDPE pipes, including all butt welded joints on Class B bedding, to manufacturers specification</u>		
6	450mm Diameter pipes laid to falls in earth or earth filling not exceeding 2m deep.	m	50
	<u>FILLING, ETC.</u>		
Carried Forward			R
Section No. 3 Bill No. 2 Storm Water Installation COEGA			

Brought Forward			R
	<u>Earth filling imported by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>		
7	Imported class B bedding of continuous mould of selected granular material for bedding pipe barrel	m3	23
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage exceeding 100m and not exceeding 200m from perimeter of excavations or stock piles, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>		
8	Selected fill blanket compacted uniformly with light compaction directly over the pipe	m3	45
9	Main fill compacted uniformly with light compaction directly over the pipe	m3	83
	<u>Compaction of surfaces.</u>		
10	Compaction of ground surfaces under trenches and holes.	m2	75
	<u>STORMWATER CATCHPITS, MANHOLES, ETC</u>		
	<u>Excavate for and build stormwater field inlet with one brick sides in extra hard burnt stock bricks, finished smooth pointed internally and with 100mm thick reinforced concrete 15 Mpa (19mm stone) bottom and fitted with a manhole cover and frame (Measured elsewhere) placed in minimum 2 & maximum 475mm thick reinforced concrete spacers set in 1:6 cement: sand mix and with a 100mm 20 MPa (19mm stone) precast concrete cover slab, wood float smooth on all exposed surfaces and the bottom benched up in concrete 20 MPa (8mm stone) with steel trowel finish around channels</u>		
11	Stormwater junction box, approximately size 1 540 x 1 040mm internally and not exceeding 1m deep to invert.	No	2
Carried Forward			R
Section No. 3 Bill No. 2 Storm Water Installation COEGA			

Brought Forward			R
<u>GRATINGS, FRAMES, ETC</u>			
12	<u>Approved staggered BS 1247 or equivalent at 300 c/c cast iron step irons.</u>	No	20
13	450 x 600mm heavy duty Type C stormwater grid and frame complete "Besaans-du Plessis" product No. 2898 or similar approved	No	1
14	Manhole cover and frame to SANS 558-1973 (Type 2A) set in class 20/19mm concrete	No	3
<u>GRID INLETS</u>			
<u>Excavate for and build stormwater grid inlet with one-brick sides in extra hard burnt stock bricks, finished fair face internally and reinforced with two layers Brickforce at top, on and including 150mm thick reinforced concrete 20 MPa (19mm stone) bottom with Ref No. 311 mesh reinforcement and fitted with grating and frame (Measured elsewhere) cast into and including 150mm reinforced concrete 20 MPa (19mm stone) cover slab with IPE140 I-beam in between 750mm long, steel trowelled smooth on all exposed surfaces and dished down to grating with clean sharp arises and angles, the bottom benched up in fine concrete 20 MPa (19mm stone) finished smooth in 1:1 cement plaster around channels</u>			
15	Single grid inlet size 1000 x 1200mm externally and not exceeding 1.5m deep for 450mm diameter pipe including stone pitching around	No	1
Carried Forward			R
Section No. 3 Bill No. 2 Storm Water Installation COEGA			

Brought Forward				R	
	<u>Excavate for and build stormwater kerb inlet with one-brick sides in extra hard burnt stock bricks, finished fair face internally and reinforced with two layers Brickforce at top, on and including 150mm thick reinforced concrete 20 MPa (19mm stone) bottom with Ref No. 311 mesh reinforcement and fitted with grating and frame (Measured elsewhere) cast into and including 150mm reinforced concrete 20 MPa (19mm stone) cover slab with IPE140 I-beam in between 750mm long, steel trowelled smooth on all exposed surfaces and dished down to grating with clean sharp arises and angles, the bottom benched up in fine concrete 20 MPa (19mm stone) finished smooth in 1:1 cement plaster around channels</u>				
16	Kerb inlet size 1000 x 1200mm externally and not exceeding 2m deep for 450mm diameter pipe including stone pitching around	No	2		
	<u>Gabion mattress</u>				
17	Reno mattress size 3750 x 3000 x 1000mm high filled with rocks varying from 75 to 150mm diameter, including ground preparation, bidum, excavation, etc.				
		No	2		
18	Reno mattress size 5000 x 4000 x 1000mm high filled with rocks varying from 75 to 150mm diameter, including ground preparation, bidum, excavation, etc.				
		No	4		
Carried Forward				R	
Section No. 3 Bill No. 2 Storm Water Installation COEGA					

Ntshele Clinic Replacement of Existing Facility

Brought Forward			R	
<u>TESTING</u>				
19	Provide all necessary apparatus, water, etc. for and test the whole of the " <u>NEW</u> " Stormwater Drainage to the satisfaction of the Representative/Agent and the Local Authority, rectify all defective work free of charge and leave in perfect order	Item	1.00	
<u>BUDGETORY ALLOWANCE</u>				
20	Allow the sum of R50,000.00 for dealing with existing stormwater services	Item	1.00	50 000.00
21	Allow the sum of R250,000.00 for a storm water attenuation pond and related storm water management works	Item	1.00	250 000.00
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Bill No. 2				
Storm Water Installation				
COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 3</u> <u>SEWER RETICULATION</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
	Carried Forward Section No. 3 Bill No. 3 Sewer Installation COEGA		R	

Brought Forward <u>Blasting</u> No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Engineer's drawings.		R	
Carried Forward Section No. 3 Bill No. 3 Sewer Installation COEGA		R	

Brought Forward <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.		R	
<u>EXCAVATION FOR PIPES</u> Carried Forward Section No. 3 Bill No. 3 Sewer Installation COEGA		R	

	Brought Forward			R	
	<u>Excavation in earth not exceeding 2m deep</u>				
1	Trench excavation for pipes not exceeding 1m wide (Pipes measured elsewhere)	m3	86		
	<u>EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER</u>				
	<u>Extra over bulk excavation in earth for excavation in</u>				
2	Hard rock	m3	4		
	<u>Risk of collapse of excavations.</u>				
3	Sides of trench and hole excavations exceeding 1,5m deep.	m2	180		
	<u>Keeping excavations free of water</u>				
4	Keeping excavations free of water	Item	1.00		
	<u>Extra over all excavations for carting away.</u>				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	9		
	<u>FILLING, ETC.</u>				
	<u>Earth filling imported by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>				
6	Imported class B bedding of continuous mould of selected granular material for bedding pipe barrel	m3	17		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage exceeding 100m and not exceeding 200m from perimeter of excavations or stock piles, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>				
7	Selected fill blanket compacted uniformly with light compaction directly over the pipe	m3	69		
	Carried Forward			R	
	Section No. 3 Bill No. 3 Sewer Installation COEGA				

Brought Forward			R
<u>Compaction of surfaces.</u>			
8	Compaction of ground surfaces under trenches and holes.	m2	58
<u>SOIL DRAINAGE</u>			
<u>HDPE PE 100 (Class PN 10) pipes including couplings in the running lengths laid within or inside HDPE sleeve pipe (Sleeve pipe, excavation & backfill measured elsewhere)</u>			
9	160mm Diameter pipes laid to falls inside HDPE sleeve pipe	m	60
<u>Class PN 10 Sleeve pipes laid in earth or earth filling, including couplings, sealants, site weld, HDPE butt weld to plastic federation of SA certification, stubs, etc.</u>			
10	225mm diameter HDPE sleeve pipes laid to falls in earth or earth filling	m	60
<u>Extra over HDPE pipes for fittings</u>			
11	160mm to 110mm reducer	No	11
12	160mm Bend 45 degrees	No	20
13	160mm Bend 90 degrees	No	25
14	160mm Channel junction	No	5
15	160mm Rodding eye junction	No	15
16	160mm End cap	No	30
<u>Extra over HDPE sleeve pipes for fittings (welded)</u>			
17	225mm Bend 45 degrees	No	20
18	225mm Bend 90 degrees	No	25
19	225mm Channel junction	No	5
Carried Forward			R
Section No. 3 Bill No. 3 Sewer Installation COEGA			

Brought Forward			R
20	225mm Rodding eye junction	No	15
21	225mm End cap	No	30
<u>MANHOLES, ETC</u>			
<u>Excavate (including working space), stockpile & maintain for and build precast sewer manhole with factory made concrete sections and reducer slabs joined with a Bitumen sealing strip or similar approved material and all joints between concrete sections shall be sealed with an approved sticking tape (smith & nephew or similar) on the outside. The factory manufactured sections shall comply with SABS 1294-1981. Excessive excavations shall be filled only after the engineers approval, with class 15/19 concrete or suitable material as directed by the engineer. Concrete pipe bedding shall be laid continuously around all manholes. Manholes to be fitted with heavy duty Type 2A manhole cover and frame (elsewhere) cast into and including 150mm reinforced concrete spacers bedded in 1:6 cement mortar cover slab, steps, steel trowelled smooth on all exposed surfaces and dished down to grating with clean sharp arrises and angles, the bottom benched up in fine concrete 20 MPa (19mm stone) finished smooth in 1:1 cement plaster around channels</u>			
22	Manholes not exceeding 2m deep to invert	No	4
<u>Manhole covers and frames, etc.</u>			
23	560mm Diameter Type 2A manhole cover and frame, having a mass of 176 kg bedded in 1:6 cement mortar.	No	4
<u>TESTING</u>			
24	Provide all necessary apparatus, water, etc. for and test the whole of the "NEW" Soil Drainage to the satisfaction of the Representative/Agent and the Local Authority, rectify all defective work free of charge and leave in perfect order	Item	1.00
Carried Forward			R
Section No. 3 Bill No. 3 Sewer Installation COEGA			

Ntshele Clinic Replacement of Existing Facility

Brought Forward			R	
<u>BUDGETORY ALLOWANCE</u>				
25	Allow the sum of R50,000.00 for dealing with existing soil drainage services	Item	1.00	50 000.00
				50 000.00
26	Allow the sum of R15,000.00 for testing of all existing sewer pipelines, etc.	Item	1.00	15 000.00
				15 000.00
Carried Forward to Summary of Section No. 3			R	
Section No. 3				
Bill No. 3				
Sewer Installation				
COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 4</u> <u>SEPTIC TANK</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
	Carried Forward Section No. 3 Bill No. 4 Septic Tank COEGA		R	

Brought Forward <u>Blasting</u> No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Engineer's drawings.		R	
Carried Forward Section No. 3 Bill No. 4 Septic Tank COEGA		R	

Brought Forward <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.		R	
Carried Forward Section No. 3 Bill No. 4 Septic Tank COEGA		R	

	Brought Forward			R	
	<u>SPECIFIC PRELIMINARIES</u>				
	<u>PHOTOGRAPHS OF EXISTING STRUCTURES</u>				
1	The contractor shall compile a complete photographic record of all the adjoining structures prior to commencing with the demolitions	Item	1.00		
	<u>REMOVAL OF EXISTING WORK</u>				
	<u>Breaking down and removing of septic tank, etc.</u>				
2	Underground septic tank approximately 50m ² , comprising concrete surface beds, brick work external walls, brick work internal walls, concrete cover, etc.	Item	1.00		
3	Cut and borrow to fill, including haulage and compaction to 90% Mod AASHTO in filling septic tanks	m ³	180		
	<u>SITE CLEARANCE ETC</u>				
	<u>Site clearance</u>				
4	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m ²	69		
5	Stripping average 150mm thick layer of top soil and spoil to a dumping site to be located by the contractor.	m ³	9		
	<u>BULK EXCAVATIONS</u>				
	<u>Bulk excavation in earth exceeding 2m and not exceeding 4m deep</u>				
6	Cut to spoil (Septic Tank excavation material to be spoiled and priced for only on this item specifically).	m ³	120		
	<u>EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER</u>				
	<u>Extra over bulk excavation in earth for excavation in</u>				
7	Hard rock	m ³	18		
	Carried Forward			R	
	Section No. 3 Bill No. 4 Septic Tank COEGA				

Ntshеле Clinic Replacement of Existing Facility

Brought Forward			R
<u>Extra over all excavations for carting away.</u>			
8	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	120
<u>Keeping excavations free of water</u>			
9	Keeping excavations free of water.	Item	1.00
<u>FILLING ETC</u>			
<u>Imported G5 fill layer material in 150mm thick layers compacted to 95% modified AASHTO density.</u>			
10	To form platforms, etc.	m3	18
<u>Compaction of surfaces.</u>			
11	Rip up and scarify ground surfaces under floors for a depth of 150mm, breaking down oversize material, including taking up a maximum tolerance of 50mm and adding suitable material where necessary and carting away where necessary and compacting to 93% Mod AASHTO density.	m2	60
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm concrete</u>			
12	Bases	m3	12
13	70 x 70mm Coved concrete triangular fillet cast on top of pit base slab, etc. wood floated	m	58
<u>REINFORCED CONCRETE</u>			
<u>25MPa/19mm concrete</u>			
14	Built up slabs, on top of Bond-dek slabs, etc.	m3	12
<u>CONCRETE SUNDRIES</u>			
Carried Forward			R
Section No. 3 Bill No. 4 Septic Tank COEGA			

Brought Forward				R
	<u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u>			
15	Concrete Surfaces, etc	m2	60	
	<u>Steel float</u>			
16	Finish to top surface of concrete ablution base with a steel trowel.	m2	60	
	<u>PERMANENT FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Permanent formwork not exceeding 3.5m high above bearing level, to:</u>			
17	1mm Thick Bond-dek pans 75mm deep valleys with 900mm wide cover, etc. fixed with and including shear connectors 19mm in diameter at 450mm centres	m2	60	
	<u>SUNDRY FORMWORK</u>			
	<u>Smooth formwork to form:</u>			
18	Opening circular on plan not exceeding 1m girth through concrete slabs not exceeding 170mm thick	No	6	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>Fabric reinforcement</u>			
19	Type 311 fabric reinforcement (Measured in 2 layers) in Ablution hole concrete surface beds, etc.	m2	120	
	<u>SUPERSTRUCTURE</u>			
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) perforated plaster brick size 222x73x106mm in class II mortar manufactured in accordance with SANS 227:2007</u>			
20	NFX Class II mortar: One brick walls	m2	134	
	<u>BRICKWORK SUNDRIES</u>			
Carried Forward				R
Section No. 3 Bill No. 4 Septic Tank COEGA				

	Brought Forward			R	
	<u>Brickwork reinforcement</u>				
21	150mm Wide reinforcement built in horizontally	m	882		
	<u>WATERPROOFING TO PIT TOILET WALLS</u>				
	<u>Design, supply and install "ABE Cementitious flexible waterproofing slurry" lanko Hydroflex embedded or equally approved, in a polyester cloth where necessary</u>				
22	Against foundation pit walls	m2	116		
	<u>EXCAVATION FOR PIPES</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
23	Trench excavation for pipes not exceeding 1m wide (Pipes measured elsewhere)	m3	750		
	<u>Earth filling imported by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>				
24	Imported class B bedding of continuous mould of selected granular material for bedding pipe barrel	m3	113		
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site, including haulage exceeding 100m and not exceeding 200m from perimeter of excavations or stock piles, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density</u>				
25	Selected fill blanket compacted uniformly with light compaction directly over the pipe	m3	638		
	<u>SOIL DRAINAGE</u>				
	<u>HDPE PE 100 (Class PN 10) pipes including couplings in the running lengths laid within or inside HDPE sleeve pipe (Sleeve pipe, excavation & backfill measured elsewhere)</u>				
26	160mm Diameter pipes laid to falls inside HDPE sleeve pipe	m	250		
	Carried Forward			R	
	Section No. 3 Bill No. 4 Septic Tank COEGA				

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Item No		Quantity	Rate	Amount
	<u>BILL 5</u> <u>WATER RETICULATION</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
	Carried Forward Section No. 3 Bill No. 5 Water Installation COEGA		R	

Brought Forward <u>Blasting</u> No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Engineer's drawings.		R	
Carried Forward Section No. 3 Bill No. 5 Water Installation COEGA		R	

Brought Forward <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.		R	
<u>EXCAVATION FOR PIPES</u> Carried Forward Section No. 3 Bill No. 5 Water Installation COEGA		R	

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Ntshhele Clinic Replacement of Existing Facility

Brought Forward				R
<u>Supply Class PN 16 HDPE PE100 pipes and lay or place within HDPE sleeve pipes, complete with couplings all in accordance to SABS 966:</u>				
8	90mm Diameter	m	13	
9	75mm Diameter	m	115	
10	63mm Diameter	m	27	
<u>Class PN 10 PE100 Sleeve pipes laid in earth or earth filling, including couplings, sealants, site weld, HDPE butt weld to plastic federation of SA certification, stubs, etc.</u>				
11	160mm diameter HDPE sleeve pipes laid to falls in earth or earth filling	m	155	
<u>Extra over items above for:</u>				
12	75mm to 63mm reducer	No	13	
13	90mm to 75mm reducer	No	5	
14	90mm equal T	No	4	
15	75mm equal T	No	20	
16	90mm bend (90°)	No	2	
17	75mm bend (90°)	No	10	
18	63mm bend (90°)	No	43	
19	75mm end caps	No	30	
<u>Extra over HDPE sleeve pipes for fittings (welded)</u>				
20	160mm Bend 45 degrees	No	15	
21	160mm Bend 90 degrees	No	52	
22	160mm Channel junction	No	24	
23	160mm End cap	No	30	
Carried Forward				R
Section No. 3 Bill No. 5 Water Installation COEGA				

		Brought Forward			R	
		<u>VALVES, VALVE CHAMBERS, ETC</u>				
		<u>Excavate for and build valve chamber with one-brick sides in extra hard burnt stock bricks in 1:3 cement mortar finished fair face internally on well compacted earth filling and with 150mm thick reinforced concrete 25 Mpa (19mm stone) bottom and with a 150mm thick reinforced concrete 25 Mpa (19mm stone) cover slab on and including Y12 high tensile bars @ 150mm c/c both ways, with and including heavy duty 450 x 600mm cast iron manhole cover and frame according to SABS 558 "Besaans du Plessis Product No. 2170 or similar approved"</u>				
24	Valve chamber size internally 900 x 900 x 1200mm deep	No	5			
	<u>Excavate (including working space), stockpile & maintain for and build precast water inspection manholes with factory made concrete sections and reducer slabs joined with a Bitumen sealing strip or similar approved material and all joints between concrete sections shall be sealed with an approved sticking tape (smith & nephew or similar) on the outside. The factory manufactured sections shall comply with SABS 1294-1981. Excessive excavations shall be filled only after the engineers approval, with class 15/19 concrete or suitable material as directed by the engineer. Concrete pipe bedding shall be laid continuously around all manholes. Manholes to be fitted with heavy duty Type 2A manhole cover and frame (elsewhere) cast into and including 150mm reinforced concrete spacers bedded in 1:6 cement mortar cover slab, step, steel trowelled smooth on all exposed surfaces and dished down to grating with clean sharp arrises and angles, the bottom benched up in fine concrete 20 MPa (19mm stone) finished smooth in 1:1 cement plaster around channels</u>					
25	Water Ispection Manholes not exceeding 2m deep to invert	No	5			
		Carried Forward			R	
	Section No. 3 Bill No. 5 Water Installation COEGA					

Brought Forward			R
<u>Manhole covers and frames, etc.</u>			
26	Type 3A Besaans-du Plessis or equivalent valve box 450 x 450 x 300mm thick class 20/19 concrete with and including a 50mm diameter 'RSV' gate valve class 16	No 5	
27	560mm Diameter Type 2A manhole cover and frame, having a mass of 176 kg bedded in 1:6 cement mortar.	No 5	
<u>BULK WATER METER ASSEMBLY (ABOVE GROUND)</u>			
28	80mm diameter Steel pipe - Flanged	m 12	
29	80mm bend (90°)	No 4	
30	90DN SG Iron gate valve flanged to SANS 664-1:2009	No 2	
31	Elster Kent Helix H4000 Bulk water meter 80mm in diameter or similar approved flanged	No 1	
32	Elster Kent Helix H4010 in-line strainer 80mm in diameter or similar approved flanged	No 1	
<u>THRUST BLOCKS, ETC.</u>			
<u>Mass concrete class 20 Mpa (19mm stone) in thrust blocks, including any necessary excavations and formwork, etc.</u>			
33	Bend	No 30	
34	End caps	No 30	
35	Tee or reducing Tee	No 25	
36	Gate valve	No 5	
<u>MARKER BLOCK</u>			
<u>Marker block</u>			
37	150 x 150mm Aluminium plate (2mm thick) with marking on the plate. The plate is to be fixed on class 25/19 concrete	No 5	
Carried Forward			R
Section No. 3 Bill No. 5 Water Installation COEGA			

Ntshеле Clinic Replacement of Existing Facility

Brought Forward			R	
<u>TESTING</u>				
38	Provide all necessary water, etc., for and test this section of the plumbing services, sanitary fittings, pumps, etc., and in stages as deemed necessary, including chlorination, complete to the satisfaction of the architect and the local authority, replace any defective work free of charge, including any necessary re-testing and leave perfect on completion	Item	1.00	
39	Allow for testing and commissioning this section of the plumbing services, sanitary fittings, pumps, etc., including any necessary re-setting, etc., for optimal performance of the entire system to the satisfaction of the architect for the duration of the contract, maintenance and guarantee period	Item	1.00	
<u>BUDGETORY ALLOWANCE</u>				
40	Allow the sum of R50,000.00 for dealing with existing water services	Item	1.00	50 000.00
41	Allow the sum of R15,000.00 for testing of all existing water pipelines, etc.	Item	1.00	15 000.00
<u>FIRE WATER RETICULATION</u>				
<u>MAIN CONNECTION</u>				
<u>Installation of main supply carbon steel piping in the running lengths laid on and including excavations and class B bedding.</u>				
42	Supply & install 100Ø mm black steel connecting main	m	65	
43	Denso wrapping of 100Ø mm connecting main	m	65	
<u>WATER ANCILLARY ITEMS</u>				
44	Allow the sum of R700 000.00 Seven Hundred Thousand for the Supply, delivery and installation of sectional pressed steel water storage tanks - approximately 100 KL (Size to be confirmed) position on ground including pipe fittings, pumps and valves complete.	Item	1.00	700 000.00
Carried Forward			R	
Section No. 3 Bill No. 5 Water Installation COEGA				

Ntshele Clinic Replacement of Existing Facility

Brought Forward				R	
45	Allow the sum of R250 000.00 Two Hundred and Fifty Thousand for the Foundations for the Sectional Galvanised Pressed Steel Tanks as per the Suppliers Specifications. Alternative an elevated tank stand.	Item	1.00	250 000.00	250 000.00
	<u>Testing</u>				
46	Testing fire water supply and reticulation system	Item	1.00		
Carried Forward to Summary of Section No. 3					R
Section No. 3					
Bill No. 5					
Water Installation					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 6</u> <u>WATER HARVESTING</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the principal agent and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 3 Bill No. 6 Water Harvesting COEGA		R	

Brought Forward <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site. <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust		R	
Carried Forward Section No. 3 Bill No. 6 Water Harvesting COEGA		R	

Brought Forward <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc. <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Landscape Architect's drawings for Plantcare, Planting Policy, Parking Trees, etc. <u>Rates</u> Rates should include for design, supply and installation, the detail of which must be submitted with this tender to be approved by the Architect.			R	
Carried Forward Section No. 3 Bill No. 6 Water Harvesting COEGA			R	

Brought Forward			R
<u>TANKS AND STANDS</u>			
<u>Ground preparation and compaction in isolated areas :</u>			
1	Rip, scarify, mix and consolidate top 150mm of sub grade to 95% mod AASHTO density.	m2	31
<u>CONCRETE, FORMWORK & REINFORCEMENT</u>			
<u>30MPa/20mm concrete:</u>			
2	Surface beds, etc.	m3	5
3	Mass concrete infill	m3	9
<u>Finishing top surfaces of concrete to an evenly ribbed non-slip surface (broom finish):</u>			
4	Surface beds to falls.	m2	31
<u>Smooth formwork to edges</u>			
5	Formwork to edge of slab not exceeding 300 mm high	m	50
<u>Fabric reinforcement:</u>			
6	REF. 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	31
<u>Masonry</u>			
7	One brick walls	m2	50
<u>Red FBX clay face brick, size 222 x 106 x 73mm built in stretcher bond, Manufactured In Accordance with SANS 227:2007, Bedded And Jointed In Class II Mortar (Mortar Colour: Red to match brick) and pointed with flush horizontal and vertical joints, suitable for exposure zones 1-4</u>			
8	Extra over brickwork for face brickwork	m2	50
<u>IRONMONGERY</u>			
Carried Forward			R
Section No. 3 Bill No. 6 Water Harvesting COEGA			

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Item No		Quantity	Rate	Amount
	<u>BILL 7</u> <u>PARKING AND PAVING EARTHWORKS</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 3 Bill No. 7 Parking and Walkways COEGA		R	

Brought Forward		R	
<u>Definitions</u>			
The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
<u>Blasting</u>			
No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property.			
<u>Dump site</u>			
Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard.			
<u>Carting away of excavated material</u>			
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.			
<u>Imported filling</u>			
Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site.			
Carried Forward		R	
Section No. 3 Bill No. 7 Parking and Walkways COEGA			

Brought Forward <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Engineer's drawings. <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc.		R	
Carried Forward Section No. 3 Bill No. 7 Parking and Walkways COEGA		R	

Ntshele Clinic Replacement of Existing Facility

Brought Forward <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.			R	
Carried Forward Section No. 3 Bill No. 7 Parking and Walkways COEGA			R	

Brought Forward			R
<u>EARTHWORKS</u>			
<u>Excavations</u>			
1	Open face excavation in earth to reduce levels	m3	174
2	Extra over all excavations for carting away surplus material from excavations and/or from stockpiles on site to a dumping site to be located by the Contractor	m3	174
<u>Filling, etc.</u>			
3	Earth filling from the excavations to make up levels around buildings compacted to 90% modified AASHTO density	m2	87
4	Imported natural gravel material (minimum G5 material to TRH14) supplied by the Contractor and brought onto site from commercial sources in filling under paving, etc compacted in layers not exceeding 150mm thick to 90% modified AASHTO density	m3	188
5	Compaction of ground surface under pavings, etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compact to 93% modified AASHTO density	m2	1 251
<u>PAVING, ETC.</u>			
<u>80mm "Interlock paving block" in herringbone pattern class 2 (2.8MPa tensile splitting strength according to SANS 1058:2010) on and including 25mm bedding sand according to SABS 1200 MJ with dry filler sand swept and vibrated into joints, all sand laid into subgrade (elsewhere measured) conforming to SABS 1200D degree of accuracy I</u>			
6	Paving laid to falls in parking (trafficable including cutting of pavers where necessary)	m2	1 163
Carried Forward			R
Section No. 3 Bill No. 7 Parking and Walkways COEGA			

Brought Forward			R
	60mm Beige or similar clay paving brick, colour: nougat, laid in interlocking bond on and including 20mm thick river sand bed, with (1:4) sand and cement slurry mix worked into joints and lightly compacted, with excess cement removed on completion with a minimum longitudinal fall of 1% on a transverse fall of at least 2% and concrete edge restraints and kerb cuts as per engineer's details.		
7	Paving to walkway areas laid to falls (non-trafficable including cutting of pavers where necessary)	m2	88
	<u>PRECAST CONCRETE KERBS, ETC</u>		
	<u>Precast concrete kerbing (complying with SABS 927) in 1m lengths, wet presses, placed in position on top of 50mm thick bedding 1:3 cement sand mix, bedded and jointed in 10mm thick 1:3 cement sand mix mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc.:</u>		
8	Mountable figure 7 kerb 180 x 280mm high	m	360
9	25MPa/19mm to 150 x 150mm cast insitu channel to figure 7 mountable kerb	m3	8
10	Figure 10 edge kerb with 200 x 150 x 150mm unreinforced concrete 25MPa/19mm haunching at back of each joint including excavation, backfilling, etc.	m	501
11	Wheelchair insitu ramp approximately 1500 x 1500mm, with a slope gradient of 1:10, including excavation, filling, cartaway, etc.	No	3
	<u>SUNDRIES</u>		
	<u>Sleeve pipes including excavation, backfilling and compacting.</u>		
12	Group of three 150mm diameter uPVC sleeve pipes laid in earth or earth filling, including all excavations not exceeding 1m deep, backfill and compact to 95%modified AASHTO density.	m	18
Carried Forward			R
Section No. 3 Bill No. 7 Parking and Walkways COEGA			

Brought Forward			R
	<u>Class 1 retro-reflective road sign complying with the requirements of "The Southern African Development Community - Road Traffic Signs Manual (SARTSM), June 1999 Edition, Volumes 1 to 4" all in accordance with SABS 1519, including galvanised steel support post 76mm diameter x 3mm thick x 2500mm long above finished ground level and minimum 600mm from road edge (to edge of sign) including all necessary excavation, backfilling, etc. including setting post in 25Mpa concrete base size 600mm diameter x 900mm minimum thickness</u>		
13	600mm Diameter hexagon "Type R1" stop sign, complete with 2.5m galvanised steel post.	No	2
14	900mm Triangular "Type R2" yield stop sign, complete with 2.5m galvanised steel post.	No	3
15	900mm "NO PARKING" sign	No	2
16	1125 x 675mm "DISABLED PARKING" sign	No	3
Carried Forward			R
Section No. 3 Bill No. 7 Parking and Walkways COEGA			

Brought Forward			R
<u>ROAD MARKING</u>			
<u>Approved reflectorised road marking paint, applied at the manufacturer's recommended covering rate, including proper preparation of surfaces.</u>			
17	White dashed line 100mm wide.	m	45
18	Yellow continuous line 100mm wide.	m	360
19	White arrow 4000mm x 500mm overall.	No	4
20	White turn arrow 4000mm x 1000mm overall.	No	5
21	White pedestrian blocks 600mm wide	m2	5
22	White "STOP" sign	m2	2
23	White "YIELD" sign	No	3
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 7			
Parking and Walkways			
COEGA			

Item No		Quantity	Rate	Amount
	<u>BILL 8</u> <u>COVERED PARKING AND WALKWAYS</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects' & Engineers' drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection. <u>Engineer's Specification</u> These bills of quantities are to be read in conjunction with the Engineer's specifications - See engineers drawings and project specification attached to this document and/or as specified on the relevant items.			
	Carried Forward Section No. 3 Bill No. 8 Covered Parking and Walkways COEGA		R	

	Brought Forward			R	
	<u>EXCAVATIONS</u>				
	<u>Excavation in earth not exceeding 2m deep below natural, elevated or reduced ground level for</u>				
1	Holes	m3	19		
	<u>Extra over all excavations for carting away.</u>				
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	19		
	<u>Risk of collapse of excavations.</u>				
3	Sides of trench and hole excavations not exceeding 1,5m deep.	m2	125		
	<u>Compaction of surfaces.</u>				
4	Compaction of ground surfaces under trenches and holes to 90% Mod AASHTO density.	m2	19		
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>20MPa/19mm concrete</u>				
5	Bases	m3	19		
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a wood float/steel trowel</u>				
6	Concrete bases, etc	m2	19		
	<u>Steel reinforcement to structural concrete work</u>				
7	Steel reinforcing bars in foundations	t	1.87		
	Carried Forward			R	
	Section No. 3 Bill No. 8 Covered Parking and Walkways COEGA				

		Brought Forward		R	
		<u>PROFILE SHEETING AND ACCESSORIES</u>			
		<u>Sheeting:</u>			
		0.5mm thick IBR Roof sheeting on purlins using approved, screws, fasteners, all in accordance with the manufacturer's specifications, Painted (paint measured elsewhere)			
		<u>Erection:</u>			
		Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced.			
		<u>Safety:</u>			
		The contractor shall exercise special care when handling long length sheeting, particularly in windy conditions. Should work be interrupted for any reason, all loose sheeting and incomplete sections must be adequately secured against possible movement by wind and gravity.			
		<u>Handling and storing:</u>			
		The contractor shall ensure that all materials used on site for cladding, etc. are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.			
		<u>ROOFING</u>			
		<u>0.5mm thick IBR roof as described on the profile sheeting and accessories, in strict accordance with manufacturer's specifications including all necessary sealer strips on overlaps, etc.</u>			
8	Roof covering with pitch not exceeding 25 degrees	m2	1 183		
		Carried Forward		R	
	Section No. 3 Bill No. 8 Covered Parking and Walkways COEGA				

	Brought Forward			R	
	<u>STRUCTURAL STEEL</u>				
	<u>General</u>				
	Allowances below are for design, supply and installation, including input from an approved structural steel contractor, the detail of which will be required by the structural engineer.				
	Tenderers must take note that the following allowances shall be separately tendered to a suitable design and supply subcontractor should the tenderer not be qualified to take on such specialised work				
	<u>STEEL COLUMNS AND BEAMS INCLUDING PRIMER</u>				
	<u>Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete</u>				
9	100 x 100 x 5mm	kg	2 221		
	<u>STEEL PURLINS, GIRTS, BRACING, ETC INCLUDING PRIMER</u>				
	<u>Purlins and girts, bolted to steel or concrete</u>				
10	75 x 50 x 20 x 2.0 CFLC Purlins (Rafter)	kg	980		
11	125 x 75 x 20 x 2.0 CFLC Purlins (Edge Beams)	kg	254		
	<u>BOLTS, FASTENERS, ETC</u>				
12	M20 chemical anchor bolt embedded in top of concrete, brickwork, etc.	No	208		
	<u>SUNDRIES</u>				
	<u>40MPa non-shrink grout</u>				
13	Bedding approximately 20mm thick under 300 x 300mm wide baseplate, including chamfered edges all round	No	52		
	Carried Forward			R	
	Section No. 3 Bill No. 8 Covered Parking and Walkways COEGA				

	Brought Forward			R	
	<u>Plates, etc.</u>				
14	Allowance for plates, bolts, gussets, stiffeners, etc.	kg	718		
	<u>DECORATIVE PAINT FINISH</u>				
	All paintwork in accordance with the manufacturer's specifications				
	Specification				
	Paint finish: Plascothane 9000 Polyurethane (Twin Pack Polyurethane Acrylic) or equally approved				
	Colour: Tintable Transparent / Pastel Bases				
	Application: Airless spray, Roller or brush (Primer + topcoats)				
	Primer: Plascotuff 3500 series (PEX3500/PEH3500) Mixing Ratio: 4:1 by volume or equally approved				
	Topcoat: Plascothane 9000 Polyurethane (PRT9000/PRH 9) Mixing Ratio: 6:1 by volume or equally approved				
	Surface Preparation: Surfaces must be clean, dry and rust free. Remove surface contaminants using Plascon Aquasolv Degreaser (GR 1) or equal approved, scrubbing with bristle brush or broom, or using Scotch Brite pads. Rinse thoroughly with tap water while brushing or hydroblast to remove all traces of Plascon Aquasolv Degreaser (GR 1) or equal approved to achieve a water break-free surface. Dry surface rapidly to prevent flash rust formation. Cleaned surface must be painted within 4 hours.				
	Application - Primer coat: Apply one coat of Plascon Plascotuff 3500 Series (PEX 3500/PEH 3500) or equally approved Premix both components of the Plascon Plascotuff 3500 Series (PEX 3500/PEH 3500) using a power mixer for 3 minutes and then apply (preferably) by airless spray to a minimum DFT of 100-200 µm or WFT of 123 - 247 µm @ a theoretical spread rate of 8.1 m ² /litre. Allow 16 hours to dry at low temperatures (i.e. 10°C - Caution: will not cure adequately below 10°C. For maximum performance curing temperature should be 3°C above dewpoint). Allow to dry for 5 hours @				
	Carried Forward			R	
	Section No. 3 Bill No. 8 Covered Parking and Walkways COEGA				

	Brought Forward			R	
	23°C. If using roller application : Multiple coats are required by roller to achieve desired DFT as roller application is typically @ 75 - 100 µm WFT. If using spray application : Spray Nozzle tip: 17-21 thou. and Nozzle Pressure: 172-207 bar (2500 - 3000 psi). Application - Finishing coat: Mix base and hardener thoroughly in a 6:1 ratio by volume before use. Apply two full coats of Plascon Plascothane 9000 Polyurethane (PRT9000/PRH 9) or equally approved to obtain full obliteration. Allow 10 hours drying between coats. Always maintain a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture. Work from corner to corner, or from a natural cut off point to another. Do not attempt touch ups, but redo complete panels.				
15	Columns, beams, purlins, etc	kg	4 088		
Carried Forward to Summary of Section No. 3					
Section No. 3					
Bill No. 8					
Covered Parking and Walkways					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 9</u> <u>RETAINING WALLS</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 3 Bill No. 9 Retaining Walls COEGA		R	

	Brought Forward		R	
<u>Definitions</u>				
The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.				
<u>Blasting</u>				
No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property.				
<u>Dump site</u>				
Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard.				
<u>Carting away of excavated material</u>				
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.				
<u>Imported filling</u>				
Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site.				
Carried Forward				
Section No. 3 Bill No. 9 Retaining Walls COEGA				
		R		

Brought Forward <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Project specifications</u> Refer to the Project Specifications on the Engineer's drawings. <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc.		R	
Carried Forward Section No. 3 Bill No. 9 Retaining Walls COEGA		R	

Ntshele Clinic Replacement of Existing Facility

Brought Forward <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.			R	
Carried Forward Section No. 3 Bill No. 9 Retaining Walls COEGA			R	

Brought Forward			R
<u>RETAINING WALLS</u>			
<u>Excavation in earth not exceeding 2m deep</u>			
1	Trenches	m3	33
<u>Extra over all excavations for carting away</u>			
2	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	33
<u>Risk of collapse of excavations</u>			
3	Sides of trench and hole excavations not exceeding 1,5m deep	m2	54
<u>G5 Quality earth filling material supplied by the contractor compacted to 95% Mod AASHTO density</u>			
4	Backfilling to trenches, holes, etc	m3	5
5	Behind retaining walls	m3	122
<u>Coarse river sand filling supplied by the contractor:</u>			
6	Behind retaining walls	m3	12
<u>30MPa/19mm reinforced concrete cast against excavated surfaces</u>			
7	Strip footings	m3	33
<u>Steel reinforcement to structural concrete work</u>			
8	Steel reinforcing bars in foundations and structural concrete.	t	3.92
<u>"Loffelstein" or equal approved precast concrete interlocking planter blocks finished smooth on exposed surfaces</u>			
9	Retaining structure with stepped face and curves as required to suit slopes, type L500 interlocking planter blocks laid with horizontal bed joints and filling the blocks with garden soil lightly tamped as the work proceeds	m2	82
Carried Forward			R
Section No. 3 Bill No. 9 Retaining Walls COEGA			

Ntshele Clinic Replacement of Existing Facility

Brought Forward			R
<u>Agricultural Drains</u>			
10	Bidim U14 or other approved geofabric sheeting wrapped around stone filling of agricultural / subsoil drain.	m2	131
11	19mm stone around agricultural drain pipe (pipe elsewhere measured)	m3	14
12	100mm Diameter agricultural drainpipe laid to falls	m	68
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 9			
Retaining Walls			
COEGA			

Item No		Quantity	Rate	Amount
	<u>BILL 10</u> <u>LANDSCAPING</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the Model Preambles. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 3 Bill No. 10 Landscaping COEGA		R	

Brought Forward <u>Definitions</u> The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof. <u>Blasting</u> No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property. <u>Dump site</u> Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard. <u>Carting away of excavated material</u> 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. <u>Imported filling</u> Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site.		R	
Carried Forward Section No. 3 Bill No. 10 Landscaping COEGA		R	

Brought Forward <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc.		R	
Carried Forward Section No. 3 Bill No. 10 Landscaping COEGA		R	

Ntshele Clinic Replacement of Existing Facility

Brought Forward <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.			R	
Carried Forward Section No. 3 Bill No. 10 Landscaping COEGA			R	

Ntshole Clinic Replacement of Existing Facility

Brought Forward			R
<u>PLANTING</u>			
<u>Decompaction</u>			
1	Decompaction for trees (0.5m3/tree)	m3	36
2	Decompaction on all plant areas 150mm deep.	m3	86
<u>Earthworks and Soil Preparation</u>			
<u>Provision for top soil</u>			
3	100mm layer over planting areas	m3	57
4	25mm Layer over lawn areas	m3	24
5	0.34 m3 per tree hole	m3	24
<u>Provision for Compost import and spreading in plant areas</u>			
6	30 mm deep over planting areas	m3	17
7	0.17 m3 per tree hole	m3	12
<u>Provision for Fertilizers</u>			
8	Super phosphate - 100 g/m2 in planting areas	kg	57
9	Super phosphate - 375 g/per tree hole	kg	27
Fertilizer 4:1:1 for lawns			
10	40 g/m2 in lawn areas	kg	38
Mixture 2:3:2 over planting			
11	50 g/m2 in planting areas	kg	29
12	100 g/per tree hole	kg	7
Carried Forward			R
Section No. 3 Bill No. 10 Landscaping COEGA			

Ntshele Clinic Replacement of Existing Facility

Brought Forward			R
	<u>Provision for Mulching</u>		
13	30mm bark chip mulch layer in planting areas and for vegetable garden pathway.	m3	17
14	50mm bark chip mulch layer in planting areas and for vegetable garden pathway.	m3	6
	<u>TREES</u>		
	<u>Provision for Trees</u>		
15	Tree out of 200 litres each	No	15
16	Tree out of 100 litres each	No	10
	<u>Provision for planting trees</u>		
17	Shrubs and ground covers out of 40 litre containers	No	50
18	Shrubs and ground covers out of 10 litre containers	No	30
19	Shrubs and ground covers out of 4 litre containers	No	30
20	Shrubs, ground covers and vegetable plugs.	No	20
21	New lawn sod (Instant lawn) Cynodon dactylon (couch grass).	m2	1 000
	<u>ARTIFICIAL LAWN</u>		
	<u>Supply and deliver all material and equipment required for the installation of artificial lawn.</u>		
	<u>Material: 25mm Knights bridge (provide sample for approval)</u>		
	<u>Inclusive of required excavation, ground preparation and all relevant works.</u>		
22	Total synthetic lawn	m2	38
	Carried Forward		R
	Section No. 3 Bill No. 10 Landscaping COEGA		

Ntshele Clinic Replacement of Existing Facility

Brought Forward			R
<u>SUNDRIES</u>			
23	550mm Diameter Vanstone or equivalent approved pre-cast concrete tree rings for all trees which are positioned in lawn area	No	25
24	Bicycle rack: Olympic cycles Holdfast 5 Bike Floor stand (or similar) to be cut to accommodate 3 bikes. To be fastened with bolts to the paving.	No	2
25	Wilson stone Fairground Swing litter bin, or similar approved, with lug welded on one side to prevent swinging in both directions.	No	5
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 10			
Landscaping			
COEGA			

Item No		Quantity	Rate	Amount
	<u>BILL 11</u> <u>BOREHOLE</u> <u>PREAMBLES</u> The Model Preambles for Trades (2017 Edition) as published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said Model Preambles will be entertained. <u>NOTE:</u> This document must be read and familiarised with in conjunction with the Architects drawings as annexed to this document and tenderers must make allowance in their rates for these specifications. No claims arising out of failure to do so will be entertained. <u>SUPPLEMENTARY PREAMBLES</u> <u>Protection of works</u> Please note that all existing works, finishes, etc. are to be protected to the satisfaction of the Project Manager and that tenderers should allow in their rates for such protection.			
	Carried Forward Section No. 3 Bill No. 11 Borehole Installation COEGA		R	

Brought Forward		R	
<u>Definitions</u>			
The descriptions and units of quantities below are measured generally in terms to suit this project. Where these descriptions and units are in conflict with the payment provisions of SABS 1200, the descriptions and units as measured below shall apply and no claims in this regard shall be entertained. Should the tenderer have any queries, he should clarify same with either the engineer or quantity surveyor prior to submission of tender. Silence on any issue will be deemed to be acceptance thereof.			
<u>Blasting</u>			
No Guarantee is given or implied that blasting will be allowed, but should this method of removal be necessary and permissible, the contractor shall assume all responsibility and comply with all the conditions laid down in the Government and Local Government regulation and it should allow for current construction work on the neighbouring property.			
<u>Dump site</u>			
Where "remove from" or "spoil" occurs in items it shall include for all loading, offloading and carting away from the site to a suitable dumping site to be found by the contractor and the contractor shall pay all fees, etc in this regard.			
<u>Carting away of excavated material</u>			
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.			
<u>Imported filling</u>			
Descriptions of imported filling material shall be deemed to include loading material onto trucks from borrow pits or suppliers and hauled and deposited onto the site.			
Carried Forward		R	
Section No. 3 Bill No. 11 Borehole Installation COEGA			

Brought Forward <u>Bulking</u> No allowance has been made in the measurements for bulking and no claims in this regard shall be entertained. <u>Classes of excavation</u> Classes 3.1.2(b), (d) and (e) will be deemed not to apply to this contract. All excavations will be classified by the Engineer as: <i>Soft and intermediate excavation as soft excavation</i> <i>Hard rock excavations, which will include unweathered boulders exceeding 20m³, and will also include reinforced concrete footing which, in the Engineer's opinion, cannot be removed as part of normal excavations.</i> <u>Prescribed density tests on filling</u> Prescribed density testing is only to be done on written request from Engineer. Provision for normal density tests must be included in the filling or compaction items. <u>Water, etc.</u> The Contractor shall allow in his rates for watering the works with a jet or spray from a hose sufficiently to prevent any nuisance from dust <u>Damage to persons or property</u> The Contractor will be held responsible for any damage to persons or property by virtue of his operations and is responsible for providing all necessary barriers, signs, etc.		R	
Carried Forward Section No. 3 Bill No. 11 Borehole Installation COEGA		R	

Ntshele Clinic Replacement of Existing Facility

Brought Forward <u>Visit the site</u> Tenderers are advised to visit the site before submitting this tender and to acquaint themselves with the nature and extent of the work to be done and value of recoverable materials which are not to be re-used or handed over to the client. Claims due to the fact that the Tenderers have not visited the site shall not be entertained.			R	
Carried Forward Section No. 3 Bill No. 11 Borehole Installation COEGA			R	

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Ntshele Clinic Replacement of Existing Facility

Bill No	SECTION SUMMARY - External Works		Page No		Amount
1	Fencing		197		
2	Storm Water Installation		205		
3	Sewer Installation		212		
4	Septic Tank		220		
5	Water Installation		229		
6	Water Harvesting		234		
7	Parking and Walkways		242		
8	Covered Parking and Walkways		248		
9	Retaining Walls		254		
10	Landscaping		261		
11	Borehole Installation		266		
Carried to Final Summary					R
Section No. 3					
COEGA					

Item No		Quantity	Rate	Amount
	<u>BILL 1</u> <u>SECTION A: ADDITIONAL PRELIMINARY CLAUSES FOR SOCIAL AND ECONOMIC DELIVERABLES</u> The following clauses are additional to, or augment the clauses contained in sections "A, B, C, D, E, F and the tender document" of these preliminaries. Calculations below shall be based on: project duration @ 24 months and employment @ 80 personnel <u>NOTE: THERE IS A PROVISIONAL SUM FOR THE BELOW ITEMS. THE ITEMS SHALL BE ADMINISTERED ON A PROVEN COST BASIS USING THE PROVISIONAL SUM ITEM UNDER THE PROVISIONAL SUM SECTION. THE TENDERER IS TO NOTE THAT THE ITEMS BELOW ARE NOT TO BE PRICED BUT ARE FOR INFORMATION PURPOSES ONLY</u> <u>NOTE: DO NOT PRICE THE FOLLOWING ITEMS ON THIS BILL ONLY</u> <u>A1 EMPLOYMENT OF LOCAL RESOURCES</u> 1 Main contractor to conduct a detailed labour risk assessment Item 1.00 For Information <u>A2 INDUCTIONS</u> 2 All project personnel attend Induction presentations on a fully paid time basis Item 1.00 For Information <u>A3 SITE EMPLOYMENT RELATIONS PRACTITIONER</u> 3 Employment Relations Practitioner remuneration Item 1.00 For Information 4 13th cheque Item 1.00 For Information Carried Forward Section No. 4 Bill No. 1 Social & Economic Deliverables COEGA			
			R	

Ntshеле Clinic Replacement of Existing Facility

	Brought Forward			R	
5	All associated other costs, including tools of the trade, safety equipment etc.	Item	1.00		For Information
	<u>A4 COMMUNITY LIAISON OFFICER</u>				
6	CLO remuneration	Item	1.00		For Information
7	13th cheque	Item	1.00		For Information
8	All associated other costs, including tools of the trade, safety equipment etc.	Item	1.00		For Information
	<u>A5 TRAINING AND DEVELOPMENT INTERVENTIONS TO ACHIEVE FULL COMPLIANCE TO THE CIDB CONTRACT SKILLS DEVELOPMENT GOAL (CSDG)</u>				
	The contractor shall achieve the CSDG (per Government Gazette Vo.661 of 3 July 2020; No. 43495) by providing opportunities to learners requiring structured workplace learning, in order for the contractor to comply to the requirements of the cidb B.U.I.L.D. programme, by using CSDG Method 1 (mandatory) and CSDG Method 4 or any one or a combination of CSDG Method 2 or CSDG Method 3. The total provision for qualifying expenditure on the Contractor Skills Development Goal (CSDG) must comply with the minimum legislated percentage of contract amount, which e.g. on a General Building Contract = 0.5% of the contract amount. This provision may be discounted off CSDG Method 1 by the qualifying expenditures in the provision of SETA accredited Technical Training per L9. below.				
	<u>A5.1 STRUCTURED WORKPLACE LEARNING OPPORTUNITIES THAT RESULT IN THE ATTAINMENT OF A PART OR A FULL OCCUPATIONAL QUALIFICATION (CSDG METHOD 1)</u>				
9	All associated training costs, including tools of the trade, consumables, safety equipment etc.	Item	1.00		For Information
	Carried Forward			R	
	Section No. 4 Bill No. 1 Social & Economic Deliverables COEGA				

Ntshеле Clinic Replacement of Existing Facility

	Brought Forward			R	
10	Wages for employed learners	Item	1.00		For Information
11	Unemployed learner stipend (to cover daily transport and meal)	Item	1.00		For Information
	<u>A5.2 STRUCTURED WORKPLACE LEARNING OPPORTUNITIES FOR APPRENTICES AND/OR OTHER ARTISAN LEARNERS TOWARDS THE ATTAINMENT OF A TRADE QUALIFICATION IN THE BUILT ENVIRONMENT. (CSDG METHOD 2), (AT LEAST 60% OF THE ARTISAN LEARNERS BEING HOLDERS OF PUBLIC TVET COLLEGE QUALIFICATIONS).</u>				
12	All associated training costs, including tools, consumables, safety equipment etc.	Item	1.00		For Information
13	Apprentice / Learner wages	Item	1.00		For Information
	<u>A5.3 WORK INTEGRATED LEARNING OPPORTUNITIES FOR UNIVERSITY OF TECHNOLOGY OR COMPREHENSIVE UNIVERSITY STUDENTS COMPLETING THEIR NATIONAL DIPLOMAS. (CSDG METHOD 3)</u>				
14	All associated costs, including tools, consumables, safety equipment etc.	Item	1.00		For Information
15	Learner wages	Item	1.00		For Information
	<u>A5.4 STRUCTURED WORKPLACE LEARNING FOR BUILT ENVIRONMENT PROFESSION CANDIDATES TOWARDS PROFESSIONAL REGISTRATION BY A STATUTORY COUNCIL. (CSDG METHOD 4)</u>				
16	Candidate Professionals stipend cost (1 candidates) @ 24 months.	Item	1.00		For Information
17	All associated other costs, including tools of the trade, safety equipment and consumables	Item	1.00		For Information
	Carried Forward			R	
	Section No. 4				
	Bill No. 1				
	Social & Economic Deliverables				
	COEGA				

Ntshhele Clinic Replacement of Existing Facility

Brought Forward				R	
<u>A6 WORK READINESS & LIFE SKILLS TRAINING</u>					
18	First Aiders	Item	1.00		For Information
19	Personal Finance & Budgeting	Item	1.00		For Information
20	Time Management & Productivity	Item	1.00		For Information
<u>A7 PROVIDE WORK OPPORTUNITIES TO POST GRADUATE INTERNS</u>					
21	Built Environment Internships stipend cost (1 intakes of 4 candidates = 4 candidates)	Item	1.00		For Information
22	All associated other costs, including tools of the trade, safety equipment and consumables	Item	1.00		For Information
<u>A8 TECHNICAL TRAINING</u>					
23	Bricklaying and Plastering	Item	1.00		For Information
24	Painting / Plumbing	Item	1.00		For Information
25	Carpentry	Item	1.00		For Information
26	Unemployed Learner Stipend: Technical Training [excludes Bricklaying and Plastering]	Item	1.00		For Information
27	Provision for adequate safety equipment for all technical training	Item	1.00		For Information
<u>A9 ACCOMMODATION FOR NON-LOCAL PERSONNEL</u>					
28	Accommodation for non-local construction personnel	Item	1.00		For Information
Carried Forward				R	
Section No. 4 Bill No. 1 Social & Economic Deliverables COEGA					

	Brought Forward			R	
	<u>A10 COMMUNITY PARTICIPATION / ENGAGEMENT</u>				
29	Project Support Committee (PSP) meeting costs (i.e. venue, refreshments)	Item	1.00		For Information
30	PSP community members' stipend (monthly meeting participation)	Item	1.00		For Information
	<u>A11 ON-SITE COMMUNICATION STRUCTURES</u>				
31	Establishing and ensuring the proper functioning of the Labour Consultative Forum (LCF)	Item	1.00		For Information
	<u>A12 ON-SITE COMMUNICATION STRUCTURES MAIN CONTRACTOR ENSURING FULL COMPLIANCE</u>				
32	Ensuring achievement of all socio-economic deliverables and full compliance to the labour management protocols on the whole project, inclusive of all subcontractors	Item	1.00		For Information
	<u>NOTE: DO NOT PRICE AND/ OR SUM ANY ITEMS ABOVE ON THIS BILL. THERE IS A PROVISIONAL SUM FOR THIS SCOPE ON THE RELEVANT SECTION</u>				
	Carried to Final Summary			R	
	Section No. 4				
	Bill No. 1				
	Social & Economic Deliverables				
	COEGA				

Item No		Quantity	Rate	Amount
	<u>BILL 1</u>			
	<u>PROVISIONAL SUMS, ETC</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>CASH DISCOUNT</u>			
	The following provisional amounts are NET and represent the NET COST of the work described. The contractor shall not be entitled to any discount, percentage or allowance whatsoever on the value of any provisional amount other than the priced value for profit and attendance as provided for. The provisional amounts may be deducted in whole or in part from the contract and are subject to adjustment upon completion			
	<u>PROVISIONAL SUMS AND PRIME COST AMOUNTS</u>			
	These provisional amounts contain materials to be supplied only or to be supplied and installed by specialists, or work to be executed by specialists or other persons who are selected by the contractor in consultation with the architect. Selected sub-contractors shall receive no other rights or privileges other than the rights and privileges enjoyed by any domestic sub contractor			
	<u>BUDGETARY ALLOWANCES</u>			
	This work will be priced and measured in accordance with these bills of quantities			
	<u>ELECTRICAL AND MECHANICAL INSTALLATION</u>			
1	Allow the sum of R4 200 000.00 Four Million Two Hundred Thousand for the Electrical, Air-conditioning and Mechanical Ventilation Installation.	Item	1.00 4 200 000.00	4 200 000.00
2	Profit and attendance on last if required		%	
	Carried Forward		R	
	Section No. 5 Bill No. 1 Provisional sums COEGA			

Ntshеле Clinic Replacement of Existing Facility

Brought Forward			R	
<u>SECURITY INSTALLATION</u>				
3	Allow the sum of R400 000.00 Four Hundred Thousand for the CCTV, Access Control and Fire Detection Installation.	Item	1.00	400 000.00
4	Profit and attendance on last if required			%
<u>ICT INSTALLATION</u>				
5	Allow the sum of R450 000.00 Four Hundred and Fifty Thousand for the Telephone, Data & Networking, Local UPS and Public Address Systems Installation.	Item	1.00	450 000.00
6	Profit and attendance on last if required			%
<u>MEDICAL EQUIPMENT</u>				
7	Allow the sum of R2 200 000.00 Two Million Two Hundred Thousand for the Medical Equipment Installation.	Item	1.00	2 200 000.00
8	Profit and attendance on last if required			%
<u>MEDICAL GAS INSTALLATION</u>				
9	Allow the sum of R230 000.00 Two Hundred and Thirty Thousand for the Medical Gas Installation.	Item	1.00	230 000.00
10	Profit and attendance on last if required			%
<u>SIGNAGE</u>				
11	Allow the sum of R280 000.00 Two Hundred and Eighty Thousand for the Signage Installation.	Item	1.00	280 000.00
12	Profit and attendance on last if required			%
<u>JOINERY INSTALLATION</u>				
13	Allow the sum of R170 000.00 One Hundred and Seventy Thousand for the Joinery Installation.	Item	1.00	170 000.00
14	Profit and attendance on last if required			%
Carried Forward			R	
Section No. 5 Bill No. 1 Provisional sums COEGA				

Ntshеле Clinic Replacement of Existing Facility

Brought Forward			R	
<u>HEALTH PLANNER</u>				
15	Allow the sum of R400 000.00 Four Hundred Thousand for the Health Planner.	Item	1.00 400 000.00	400 000.00
16	Profit and attendance on last if required		%	
<u>SOCIAL AND ECONOMIC DELIVERABLES</u>				
17	Allow the sum of R3 100 000.00 Three Million One Hundred Thousand for the Administration of the Social and Economic Deliverables as noted on the relevant Bills of Quantities.	Item	1.00 3 100 000.00	3 100 000.00
18	Profit and attendance on last if required		%	
Carried to Final Summary				
Section No. 5				
Bill No. 1				
Provisional sums				
COEGA				

Ntshole Clinic Replacement of Existing Facility

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	Preliminaries & General	34		
2	Building Works	191		
3	External Works	267		
4	Social & Economic Deliverables	272		
5	Provisional Sums	275		
	Sub Total		R	
	CONTINGENCIES			
	Allow the sum of R2 300 000.00 Two Million Three Hundred Thousand for the Contingencies (for Contingencies to be used or deducted in full at the Project Manager's discretion)	Item 1.00		2 300 000.00
	Sub Total		R	
	ESCALATION			
	Allow the sum of R1 573 780.25 One Million Five Hundred and Seventy Three Thousand Seven Hundred and Eighty and Twenty Five for project post-tender escalation in accordance with the program and to be administered on a proven cost basis but fixed to the allowable.	Item 1.00		1 573 780.25
	Sub Total		R	
	PROFESSIONAL FEES			

Carried Forward

COEGA

Section No	FINAL SUMMARY	Page No		Amount
	Brought Forward Tenderer is to price for professionally registered consultants in accordance with the tender document to be administered in accordance with the relevant council gazette. Accordingly, the scope of services rendered by the PSP shall span Stage 2 (Concept Report) through to Stage 7 (Close-Out), in alignment with the prescribed deliverables and governance gates outlined in the FIDPM. The total fee payable to the PSP shall be inclusive of: _(1) Professional fees for services rendered across all stages. _(2) Disbursements, including but not limited to: _(2.1) Travel and accommodation costs. _(2.2) Time-related costs such as overtime, standby, and extended site presence. _(2.3) Permit and training costs where applicable. _(3) Auxiliary costs necessary for the execution of duties, including stakeholder engagement, documentation, and reporting. This applies for all the required disciplines i.e. Architect, Quantity Surveyor, Construction Health and Safety Agent, Civil, Structural, Mechanical and Electrical Engineers.		R	
	Professional Fees	%		
	Sub Total		R	
	Tax @ 15%		R	
	Carried to Form of Tender		R	
	COEGA			