



COEGA DEVELOPMENT CORPORATION (PTY) LTD

CONTRACT No. CDC/488/24

FOR

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE
RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

PROJECT DOCUMENT

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

CLOSING DATE: 10 FEBRUARY 2025

PREPARED FOR:

**COEGA DEVELOPMENT CORPORATION (PTY) LTD
Corner Alcyon and Zibuko Street
Coega SEZ Zone 1
Gqeberha
6001**

PREPARED BY:



Naidu Consulting (Pty) Ltd.

NAME OF BIDDER: _____

**RESPONSIVENESS CHECKLIST****TABLE 1: MANDATORY REQUIREMENTS TO BE SUBMITTED BY BIDDERS**

ITEM 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	Proof of an active CIDB grading of 8CE or higher . Emerging contractors with CIDB grading designation of 7CE PE are not eligible to make bid submission and will not be considered.
3	Completed and signed Bidder's Disclosure Form (SBD 4) . In case of a Joint Venture/Consortium, a SEPARATE SBD 4 form in respect of each party to the JV MUST be completed and submitted)
4	Signed Attendance Register at the mandatory briefing meeting. It must be completed in the name of the bidding entity. One person cannot represent more than one company . Failure to attend the compulsory briefing meeting <u>will</u> lead to the Bidder's elimination and the submission <u>will not</u> be evaluated further.
5	Completed and Signed Certificate of Authority of Signatory to be signed by ALL BIDDING organisations or entities. 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/Consortium. Proof of authority to sign may be submitted in a form of a company resolution per bidding entity.
6	Original fully completed, priced Bill of Quantities filled in clearly legible with permanent ink . In cases where the P&G's is not priced but included within the tendered rates, 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.
7	Fully completed and Signed Form of Offer.
8	A Signed letter of intent to enter into a Joint Venture/Consortium. To be signed by all parties to the Joint Venture/ Consortium (Where applicable).

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

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ****TABLE 2: ADDITIONAL INFORMATION**

NO.	DESCRIPTION
(1)	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 annual turnover of above R3 million are required to a B-BBEE verification certificate from SANAS accredited verification agency as they have to comply with 40% sub-minimum requirement on the QSE Skills Scorecard to avoid being discounted a level. EMEs with a turnover of less than R 3 million are exempted from complying with the subminimum requirement and may submit an affidavit or a certificate issued by CIPC, confirming their ownership and annual turnover. Please also refer to the B-BBEE Affidavit Template.
(2)	Completed and signed Form SBD 6.1 preference points claim form in terms of the Preferential Procurement Regulations 2017.
(3)	Supporting documents on project imperatives: <ul style="list-style-type: none"> (i) Plans for promoting and managing safety, health and environmental issues during execution of the project. (ii) Plans for monitoring and applying quality assurance principles in the execution of the project. (iii) Plans for addressing socio-economic issues (with specific on numbers to be achieved) which include <ul style="list-style-type: none"> a. Maximization of job opportunities (labour histograms); and b. Use of local material/local suppliers;
(4)	Proposed works programme and methodology covering and demonstration coherence of the: <ul style="list-style-type: none"> (i) Work organization programme; (ii) Methodology for executing the works; (iii) Resource plan; and (iv) Risks
(5)	Access/Ownership (availability) of plant and equipment. In case of hiring key plant, letter confirming the willingness of the hirer to hire equipment to the bidder.
(6)	Provide information that covers the level of education and training and the positions held of the key staff/personnel (specific to the Contracts Manager, Site Agent and Foreman) in a form of a CV. Please provide copies of qualifications with relevant experience to execute the works.
(7)	Complete and duly sign Form B of the returnable book to provide a detailed record/list of contactable references for all previous completed with a value greater than R 50 million of a similar nature (Reinforced Concrete Reservoir).
(8)	Bidders must submit a completed and signed POPIA consent form.
(9)	Bidders must complete and sign Protection of Personal Information: Consent Form



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

SBD1: INVITATION TO BID	
SBD4: BIDDER'S DISCLOSURE FORM	
SBD 6.1: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017	
SBD 7.1 CONTRACT FORM - PURCHASE OF GOODS/WORKS	
FORM H: PROTECTION OF PERSONAL INFORMATION: CONSENT	



TABLE OF CONTENTS

SBD1	3
T1.1: TENDER NOTICE AND INVITATION TO TENDER	5
T1.2: TENDER DATA	10
APPENDIX A: FUNCTIONALITY SCORING SCHEDULES	17
PART T2: RETURNABLE DOCUMENTS	34
T2.1.1 FORM A: AUTHORITY FOR SIGNATORY	35
T2.1.2 FORM B: SCHEDULE OF WORK CARRIED OUT BY THE BIDDER	37
T2.1.3 FORM C: PROPOSED KEY PERSONNEL	38
T2.1.4 FORM D: PLANT AND EQUIPMENT RESOURCES	39
T2.1.5 FORM E: SCHEDULE OF PROPOSED SUB-CONTRACTORS	41
T2.1.6 FORM F: FINANCIAL REFERENCES	42
T2.1.7 FORM G: ESTIMATED MONTHLY EXPENDITURE	43
T2.1.8 FORM H: DETAILS OF AMENDMENTS AND QUALIFICATIONS	44
T2.1.9 FORM J: OCCUPATIONAL HEALTH AND SAFETY ACT SPECIFICATIONS	46
T2.1.10 FORM K2: CONTRACT PARTICIPATION GOAL: EME / QSE TARGET FORM	47
T2.1.11 FORM L: RECORD OF ADDENDA TO TENDER DOCUMENTS	49
T2.1.12 FORM M: FULFILMENT OF THE CONSTRUCTION REGULATIONS, 2014	50
T2.1.13 FORM N: JOINT VENTURE DISCLOSURE FORM	51
T2.1.14 FORM O: BBBEE PREFERENCING	56
T2.1.15 FORM P: PRELIMINARY PROGRAMME AND METHOD STATEMENT	57
T2.1.16 FORM Q: QUALITY MANAGEMENT PLAN	58
SBD4	59
SBD 6.1	61
SBD 7.1	67
FORM H: PROTECTION OF PERSONAL INFORMATION: CONSENT	69
PART C1: AGREEMENTS AND CONTRACT DATA	71
C1.1 FORM OF OFFER AND ACCEPTANCE	72
C1.2 CONTRACT DATA	74
C 1.3.1 PERFORMANCE GUARANTEE	98
C1.3.2 AGREEMENT IN TERMS OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT NO 85 OF 1993)	99
C1.3.3 CERTIFICATE OF AUTHORITY FOR SIGNATORY TO AGREEMENT IN TERMS OF OHS ACT (85 OF 1993)	102
C1.4 SCHEDULE OF DEVIATIONS	103
PART C2: PRICING DATA	105
C2.1 PRICING INSTRUCTIONS	106
C2.2 PRICING SCHEDULE	109
C2.3 CERTIFICATE OF ACQUAINTANCE WITH TENDER DOCUMENTS	110



COEGA DEVELOPMENT CORPORATION (PTY) LTD

CONTRACT No. CDC/488/24

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

SCHEDULE OF QUANTITIES.....	111
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COEGA DEVELOPMENT CORPORATION (PTY) LTD
CONTRACT No. CDC/488/24

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE
5 OF THE COEGA SEZ**

BOOK 1



COEGA DEVELOPMENT CORPORATION (PTY) LTD

CONTRACT No. CDC/488/24

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE
5 OF THE COEGA SEZ**

THE TENDER



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

SBD1

**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	CDC/488/24	CLOSING DATE:	10 February 2025	CLOSING TIME:	12:00
DESCRIPTION	CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
Coega Development Corporation (Pty) Ltd Coega Business Centre Corner Alcyon and Zibuko Street Zone 1, Coega SEZ Gqeberha 6001					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	SCM Unit 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	tenderscdc48824@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] <input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] <input type="checkbox"/> Yes <input type="checkbox"/> No	
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]	
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?			<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?			<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?			<input type="checkbox"/> YES	<input type="checkbox"/> NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?			<input type="checkbox"/> YES	<input type="checkbox"/> NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?			<input type="checkbox"/> YES	<input type="checkbox"/> 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.					

PART B



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **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:



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T1.1: TENDER NOTICE AND INVITATION TO TENDER



INVITATION TO TENDER

CONTRACT NO: CDC/48824

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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.

This project forms part of the Coega Development Corporation's (CDC) overall development of infrastructure for the Coega SEZ.

INVITATION AND SCOPE OF WORK

The CDC is inviting capable and competent contractors with a CIDB grading of 8CE or higher to submit tenders for the construction of a 15ML Return Effluent Reinforced Concrete Reservoir at Coegakop in Zone 5 of the Coega SEZ. The extent of the works planned entails construction of a new 15 Ml reinforced concrete reservoir and ancillary works.

The following main elements for the project in terms of scope of works are, inter alia:

- Site preparation and earthworks for the proposed new reservoir site;
- Inlet pipework from future RE pumping mains;
- Construction of a new air valve chamber;
- Construction of a new meter chamber;
- New bifurcation and inlet control valves;
- Pipework and fittings to the new reservoir;
- Construction of a new watertight 15 ML reinforced concrete return effluent reservoir adjacent to the existing reservoir on Coegakop;



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

- New outlet pipework to tie-in with existing outlet chamber;
- New scour and overflow pipework including chamber;
- Under-drainage system beneath the new reservoir;
- Barricading all earthworks and trenches;
- Top soiling and grassing;
- Lightning & Earthing protection to the new reservoir.
- Decommissioning and removal of existing valves, fittings, and pipes including all activities related to loading, transportation, and offloading of the aforementioned items at the designated CDC storage facility.

The scope of works is detailed in the bid document.

CONDITIONS

- (a) Bidders must be registered with the Construction Industry Development Board (CIDB) and must have an active CIDB Contractor grading of **8CE or higher**. Potential bidders with a grading of **7 CE PE** will not be eligible for this tender.
- (b) Bidders are required to have a valid and current CIDB registration on the date of closing and are required to maintain this registration throughout the Tender Evaluation period. Failure to do so will invalidate the tender.
- (c) Entities who intend submitting a bid as a Joint Venture must ensure that their combined grading meets the required CIDB Grading.
- (d) The CIDB B.U.I.L.D Standard for Indirect Targeting for Enterprise Development through Construction works Contracts, published in Gazette Notice No. 36190 of 25 February 2013 is applicable to this project. The CIDB B.U.I.L.D *Standard for Developing Skills Through Infrastructure Contracts (March 2023)* shall also apply to this contract.
- (e) The CDC's Procurement Policy & Procedures shall apply.
- (f) The following legislation shall apply:
 - (i) Public Finance Management Act (PFMA);
 - (ii) Preferential Procurement Policy Framework Act, (5 of 2000) (PPPFA);
 - (iii) Preferential Procurement Regulations, 2022;
 - (iv) The Construction Industry Development Board Act, (38 of 2000);
 - (v) National Treasury Regulations;
 - (vi) National Building Regulations and Building Standards Act (103 of 1977);
 - (vii) Infrastructure Development Act, 2014;
 - (viii) National Qualifications Framework Amendment Act, (12 of 2019);
 - (ix) The Skills Development Act, (97 of 1998);
 - (x) Disaster Management Act (57 of 2002);
 - (xi) Broad-Based Black Economic Empowerment – BBBEE Act Number 53 of 2003 (as amended by Act number 46 of 2013);
 - (xii) Occupational Health and Safety Act and Regulations, Act (85 of 1993);



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

- (xiii) Compensation for Occupational injuries and disease Act (130 of 1993);
 - (xiv) National Environmental Management (NEMA), Act (107 of 1998);
 - (xv) National Water Act (NWA), Act (36 of 1998); and
 - (xvi) Any other applicable legislation in the built environment and including all Municipal Bylaws.
- (g) The 90/10 preference points system in terms of Price and Specific goals scoring will be applicable where a points of 90.00 is for Price and a point of 10 is for Specific Goals.
 - (h) An Entity that is part of the JV / Consortium is not permitted to form part of more than one bid submission as this is regarded as Conflict of Interest.
 - (i) 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.
 - (j) Bidders must provide proof of registration on the National Treasury's Central Supplier Database (CSD) or provide a National Treasury CSD registration number e.g., MAAA0...
 - (k) The CDC will only award the tender to a bidder who is tax compliant. The tax status of the bidders will be verified through CSD and SARS website.
 - (l) 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 case of a JV, a consolidated B-BBEE certificate must be submitted as well as individual B-BBEE Certificates/affidavit of their entities to confirm the type of enterprise.
 - (m) 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 the CDC will not award any bid to any business that appears on the CIPC list of de-registered businesses. The CDC may verify company registration with CIPC through BizPortal.
 - (n) No competitive bids will be awarded to a person or entities who are not Tax Compliant, therefore prospective bidders must ensure that they are Tax Compliant throughout the validity period of the bid in review.
 - (o) Bidders will be evaluated on functionality and are expected to meet the minimum of **70%** threshold to be evaluated further. The evaluation criteria for measuring functionality and weight of each criteria are provided in the document.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

- (p) CDC will not award more than two active projects to one bidder, unless one project has reached 80% completion stage and beyond. A 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 so as to be considered for a third contract at the sole discretion of the CDC and subject to their performance on the active two contracts.
- (q) The successful bidders 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 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 to comply with the SANS Norms and Standards. CDC SHEQ Unit will monitor compliance and implementation of Occupational Health and Safety, Environmental and Quality requirements for the duration of the contract.
- (r) The successful Bidder (Contractor/s) will be required to provide full details or profile of Construction Environmental Officer (CEO) with proven record of 5 years or more of experience upon award during construction phase, must have necessary competencies and resources to execute his or her duties with requirements by the environmental legislations and its conditions, where applicable.
- (s) The successful bidder will be required to appoint a registered Construction Health and Safety Officer or Construction Health and Safety Manager (CHSO/M) with SACPCMP upon award on full-time basis onsite with proven record of 8 years or more of experience. No candidate registration will be accepted.
- (t) 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.
- (u) Public servants are prohibited from doing any form of business with organs of 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. If the bidder has been granted permission by Treasury, the letter must be provided with the bid document.
- (v) Any misrepresentation of information will lead to immediate disqualification of the Bidder's Submission. It is imperative that the duly authorized person conducts quality control on all the documentation to be submitted to the CDC and part of this Bid and signs the submission as a correct and sound document that the CDC could put its reliance on.
- (w) Tender validity period shall be **Twelve (12) weeks** from the tender closing date.

Bid documents for this Tender Process can be downloaded free of charge from the CDC Website: www.coega.com or National Treasury e-tender portal publication from **12h00 on 17 January 2025**. The CDC will not take responsibility for any errors that may occur in the downloading of documents. Bidders are therefore required to ensure that they download the full pack with no missing pages.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

In case a bidder prefers to purchase a physical bid document, bid documents can be collected from the **CDC's Main Office**, situated at **Coega Business Centre, Cnr Alcyon Rd and Zibuko Street, Zone 1, Coega SEZ, Gqeberha** from **12h00** on **17 January 2025** at a non-refundable bid fee of **R 1,500.00** per set of bid documents, payable by means of electronic transfers to be made to Account Name: CDC; **Standard Bank, Port Elizabeth, Branch Code 000017, Account No: 0000 08000 8224**. Bidders are required to use the Contract Number for this bid (**CDC/488/24**) as the reference. Proof of deposit is required upon collection of the bid documents. **NO CASH WILL BE ACCEPTED. No documents will be available or issued at the Briefing Meeting and should therefore be collected beforehand.**

A mandatory briefing meeting be conducted on **27 January 2025** at **10h00** at the **Coega BPO Auditorium, Discovery Building, 136 Tutu Street, Zone 4, Coega SEZ, Gqeberha** where representatives from the Coega Development Corporation and the Consultants will meet prospective Bidders.

Any queries relating to the issue of these documents may be addressed to Ms. Zine Mtanda, Unit Head: Supply Chain Management e-mail: tenderscdc48824@coega.co.za between the period of **17 January 2025 – 03 February 2025**. No new queries received after **03 February 2025** will be considered

One original of the completed bid document shall be placed in a sealed envelope clearly marked: **“CDC/488/24 – CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ”**. The closing date and time for the receipt of completed bid documents is **Monday, 10 February 2025 at 12h00**. Bids are to be placed in the tender box at CDC main office Coega Business Centre, Cnr Alcyon Rd and Zibuko Street, Zone 1, Coega SEZ, Gqeberha. **No late submissions will be considered**

Bids will be opened in public. No more than two representatives of the tendering entity will be allowed to attend the tender opening session.

Failure to provide any **mandatory information** required in this bid will result in the submissions being deemed non-responsive.

Telegraphic, telexed, tippexed, 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: tenderscdc48824@coega.co.za

There shall be no disclosure, other than to the Clients legal and technical advisors of the tender amounts, method of work, terms, conditions, etc., to any other service tenderer nor to any parties who have not submitted tender documents. The CDC reserves the right not to accept the lowest



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T1.2: TENDER DATA

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
<p>C.1.1.1 The Employer is:</p>	<p>The Employer is: Coega Development Corporation (Pty) Ltd Coega Business Centre Corner Alcyon and Zibuko Street Zone 1, Coega SEZ Gqeberha 6001</p>
<p>C.1.1.2 Conflict of Interest</p>	<p>Bidders shall declare any perceived, known and potential conflict of interest under Returnable Schedule SBD 4: Bidder's Disclosure Form.</p>
<p>Tender Documents</p>	<p><u>BOOK 1 OF 2</u></p> <p><u>INDEX and introductory pages</u></p> <p><u>Documents that Relate to the Tender</u></p> <p>PART T1: TENDERING PROCEDURES T1.1 Tender Notice and Invitation to Tender T1.2 Tender Data</p> <p>PART T2: RETURNABLE DOCUMENTS T2.1 Returnable Schedules</p> <p><u>Documents that Relate to the Contract</u></p> <p>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 Occupational Health and Safety Act, 1993, (Act No 85 of 1993) and C1.3.4 Certificate of Authority for Signatory in Terms of Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

	<p>PART C2: PRICING DATA C2.1 Pricing Instructions C2.2 Pricing Schedule</p> <p>SCHEDULE OF QUANTITIES</p> <p><u>BOOK 2 OF 2</u></p> <p>PART C3: SCOPE OF WORKS C3.1 Description of the Works C3.2 Engineering C3.3 Procurement C3.4 Construction C3.5 Management</p> <p>PART C4: SITE INFORMATION C4.1 Site information</p> <p>PART C5: ANNEXURES C5.1 Annexure A: Tender Drawings C5.2 Annexure B: Project Specifications C5.3 Annexure C: Baseline Risk Assessment C5.4 Annexure D: Project Health and Safety Specifications</p> <p>C5.5 Annexure E: Project Environmental Specifications C5.6 Annexure F: Geotechnical Investigation Reports C5.7 Annexure G: CIDB Standard for developing skills through infrastructure contracts C5.8 Annexure H: Labour Management</p>
<p>Employer's representative</p>	<p>Ms Zine Mtanda, e mail: tenderscdc32023@coega.co.za</p> <p>Coega Business Centre Corner Alcyon and Zibuko Street Zone 1, Coega SEZ Gqeberha 6001</p>
<p>C.2.1 Eligibility</p>	<p>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:</p> <p>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 8CE, 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.</p> <p>b) Contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with</p>

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

	<p>Regulation 25(1B) or 25(7A) of the Construction Industry Development Regulations, for a CIDB Contractor grading of 8CE. 7CE PE will not be eligible to bid for tender.</p> <p>c) The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) related to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts (published in GN 36190 of 25 February 2013).</p> <p>d) Bidders must be able to demonstrate suitable prior experience in 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.</p> <p>e) Bidders must attain the specified minimum number of points for functionality/Quality.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <p>a) Every member of the joint venture is registered with the CIDB;</p> <p>b) the lead partner has a contractor grading designation in the 8CE class of construction work; and</p> <p>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 8CE class of construction work or a value determined in accordance with Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations; and for alpha-numeric associated with the contractor Grading Designations see Annex G of the Standard Conditions of Tender.</p>
Qualifying Functionality/Quality Criteria	<p>Only those bidders who attain the specified minimum of 70% of the total number of points for quality (functionality) as defined in Part T1.2.1 hereunder, will be eligible for further consideration. Failure to meet the qualifying criteria will result in the tender being considered non-responsive and eliminated from further consideration.</p>
C.2.7 Clarification Meeting	<p>The arrangements and venue for the compulsory Tender Briefing meeting are:</p> <p>Venue: Coega BPO Auditorium, Discovery Building, 136 Tutu Street, Zone 4, Coega SEZ, Gqeberha</p> <p>Time: 10h00</p> <p>Date: Day, 27 January 2025</p> <p>Name: Zine Mtanda</p> <p>tenderscdc48824@coega.co.za</p>
C.2.12 Alternative Tender Offers	<p>No alternative offers will be considered.</p>
C.2.13 Returnable Documents	<p>Bidders to note that the returnable document is Volume 1 (Book 1 of 2)</p>

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

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	<p>The Employer's address for delivery of tender offers and identification details to be shown on each tender offer package are:</p> <p>Note: Prospective Bidders are required to bring proof of identification (ID, driver's license or Passport) to gain access to the building.</p> <p>Location of tender box: CDC main office Coega Business Centre, Cnr Alcyon Rd and Zibuko Street, Zone 1, Coega SEZ, Gqeberha</p> <p>Physical address: Supply Chain Management</p> <p>Coega Development Corporation (Pty) Ltd Coega Business Centre Corner Alcyon and Zibuko Street Zone 1, Coega SEZ Gqeberha, 6001</p> <p>Identification details: CONTRACT NO.: CDC/488/24</p> <p>CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ</p>
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 twelve (12) weeks from the tender closing date.
C.2.19 Inspections, tests and analysis	Bidders will not be able to visit the site, with information to be shared at the compulsory tender 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.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

<p>C.3.8 Test for Responsiveness and Functionality Scoring</p>	<p>For Functionality Scoring bidders are required to achieve a minimum threshold of 70%. For Functionality Criteria refer Appendix A1.</p>																
<p>C.3.11 Evaluation of Tender Offers</p>	<p>The procedure for the evaluation of responsive tenders is Method 2 (Functionality, Price and Preference). The 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system:</p> <table border="1" data-bbox="501 685 1299 896"> <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</td> <td>10</td> </tr> <tr> <td>Total points</td> <td>100</td> </tr> </tbody> </table> <p>Formula of Scoring for Price</p> $P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$ <p>Where</p> <p>P_s = Points scored for price of tender under consideration;</p> <p>P_t = Price of tender under consideration; and</p> <p>P_{min} = Price of lowest acceptable tender.</p> <p>The 90:10 weighting applies for all contracts in excess of R50 million (VAT incl.)</p> <p>The allocation of tender adjudication points for Contracts shall be as follows:</p> <table border="1" data-bbox="501 1485 1203 1632"> <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>Empowerment Objectives (S_e)</td> <td>10</td> </tr> <tr> <td>Total Points (s)</td> <td>100</td> </tr> </tbody> </table> <p>In addition to price evaluation, CDC will evaluate contractors, services providers and professionals based on their B-BBEE status achieved in accordance with the DTI.</p> <p>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</p>	SCORING CRITERIA	WEIGHTING FOR 90:10	Price	90	Specific goals	10	Total points	100	Area of Adjudication	Maximum Points	Tendered Price (S _P)	90	Empowerment Objectives (S _e)	10	Total Points (s)	100
SCORING CRITERIA	WEIGHTING FOR 90:10																
Price	90																
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CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

	<p>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 case of a JV, a consolidated B-BBEE certificate must be submitted as well as individual B-BBEE Certificates/affidavit of their entities to confirm the type of enterprise.</p> <p>Note:</p> <ul style="list-style-type: none"> ❖ A Trust, Consortium or Joint venture will qualify for points for their B-BBEE Status Level as a legal entity, provided that the entity submits their B-BBEE Status certificate. ❖ A Trust, Consortium or Joint venture will qualify for points for their B-BBEE Status Level as an unincorporated entity provided that the entity submitted their consolidated B-BBEE Scorecard as if they were a group structure and that such a consolidated B-BBEE Scorecard is prepared for every separate tender. <p>Empowerment points shall be awarded to a bidder for attaining the B-BBEE status level of contributor in accordance with the table below.</p> <table border="1" data-bbox="501 1126 1040 1563"> <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> <p>The points scored by a Bidder in respect of Price (S_P) will be added to the points scored for the Empowerment (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 Preferential Procurement Policy Framework Act, 2000.</p>	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																				
<p>C.3.13 Acceptance of Tender Offers</p>	<p>Tender offer will only be accepted if the Bidder:</p> <p>is registered with the Construction Industry Development Board in an appropriate contractor grading designation, refer F.2.1;</p>																				



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

	<ul style="list-style-type: none">(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 achieved the minimum threshold score on Functionality; and(e) has not failed to perform on any previous contract.
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APPENDIX A: FUNCTIONALITY SCORING SCHEDULES

#	FUNCTIONAL CRITERIA	SUB-CRITERIA		REQUIREMENTS FROM BIDDERS
		DESCRIPTION	MAX POINTS	
1.0	Demonstrated experience and past performance in comparable/equivalent projects executed by the Bidder – Construction of water retaining reinforced concrete reservoirs, large, reinforced water retaining concrete structures (Civil Engineering – CE classification)	Experience with construction of water retaining reinforced concrete reservoirs of 10ML minimum size or large reinforced concrete water retaining structures of comparable/equivalent projects.	10	<p>This criterion covers the experience and knowledge that the Bidder has of previously completed construction projects that are comparable in terms of complexity, size, value, and construction durations. Bidders are to provide details on construction projects with the highest value that have completed in the past 10 years. The submitted projects MUST specifically involve the construction of water retaining reinforced concrete reservoirs of 10ML minimum size or large reinforced concrete water retaining structure of comparable/equivalent projects.</p> <p>Bidders MUST provide appointments letters, completion certificates and performance reports/reference letters (project scope, value, and completion date) as a PACK per completed project from the previous employer or consultants that they have worked with.</p> <p>Details of two (2) contactable reference for each project listed are to be included with your bid submission.</p>
		Value of single project completed entailing construction of water retaining reinforced concrete reservoirs or large reinforced concrete water retaining structures of comparable/equivalent projects.	10	
2.0	Proposed Construction Work Programme Completeness		10	<p>Bidders are to provide a Complete Construction Programme covering All key elements of the scope. The construction programme must align to the project duration, activities, project specifications, and project layout. The Basis of Schedule must consist of all assumptions made in delivering the schedule, time risk allowances and schedule opportunities.</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

#	FUNCTIONAL CRITERIA	SUB-CRITERIA		REQUIREMENTS FROM BIDDERS
		DESCRIPTION	MAX POINTS	
3.0	Demonstrate competency in providing a construction methodology for the proposed approach to the implementation of the project. The proposed Methodology must be project-specific (construction of a large water retaining reinforced concrete reservoir) and comprehensive.		10	<p>Bidders must provide a construction methodology for the proposed approach to the implementation of the project. The proposed Methodology must be project-specific (construction of a large water retaining reinforced concrete reservoir) and comprehensive. The following MUST be included in the methodology documentation:</p> <ol style="list-style-type: none"> (1) Project Specific Construction Approach (2) Project Specific Risk Management Approach (3) Project Specific Environmental Management Approach (4) Project Specific Organogram (5) Project-Specific Safety and Security Management Approach
4.0	Quality Control System and Procedures: which ensure compliance with the standards and specifications required for delivery of the project		10	<p>The bidders are to provide documentation indicating the availability of a quality management system or quality management plan that will be utilised for this project. The Bidders must demonstrate that the system is functional and is being utilised by the bidder, and that on this project it will adequately fulfil the required quality assurance standards specific to the project scope. For a 100% score, bidders must demonstrate ISO accreditation, such as ISO 9001:2015</p>
5.0	Locally based service providers from the targeted areas as follows		10	<p>The bidders must submit proof of office establishment as evidence to demonstrate locality. The evidence required should in the form of a Title Deed in the name of the Bidder or a Valid Lease Agreement or a Municipal account not older than 3 months in the name of the Bidder or a Municipal Billing Clearance Certificate.</p> <p>Letters from the Landlord need to be signed, and the landlords contact number and e-mail address visible. Failure to submit sufficient proof of occupancy will render the bid non-responsive.</p> <p>Please note: CSD, CIPC registration documents, Letterheads, Search engines, Statements, etc. will not be considered as proof of office space.</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

#	FUNCTIONAL CRITERIA	SUB-CRITERIA		REQUIREMENTS FROM BIDDERS
		DESCRIPTION	MAX POINTS	
6.0	Sub-contracting with QSEs/ EMES within the targeted areas		10	The bidders are to provide Form K2 – completed and signed – indicating their commitment to the Contract Participation Goal (in %) and rand-values for sub-contracting to EMEs/ QSEs.
7.0	Qualifications, competency	Contracts Manager	5	<p>The bidders are to provide information that covers the level of qualifications, and competency (Specific to the Contracts Manager, Site Agent). Please provide certified copies (must not be older than three (3) months from date of bid submission) of qualifications. If no copies of qualifications are supplied, no score will be allocated.</p> <p>Please note below:</p> <p>NQF 6: National Diploma and Advanced Certificate in the Built Environment</p> <p>NQF 7: Bachelor’s Degree, Advanced Diplomas, Post Graduate Certificates and Bachelor of Technology in the Built Environment</p> <p>NQF 8: Honour’s Degree, Post Graduate Diploma</p> <p>NQF 9: Master’s Degree in the Built Environment</p> <p>NQF 10: Doctor’s Degree in the Built Environment</p>
		Site Agent	5	
8.0	Experience of the Key Personnel ¹ that will be available to manage the execution of the project (as listed in the returnable sheet T2.11).	Contracts Manager	5	<p>The bidders are to provide information that covers the level of experience, and the positions held of the key staff /personnel (Specific to the Contracts Manager, Site Agent, Concrete Foreman, and Civils Lead Foreman)</p> <p>Please provide copies of CV’s. CVs to make specific reference to relevant experience and position held in the construction of large reinforced concrete reservoirs or comparable/equivalent large reinforced concrete structure projects.</p> <p>Please note: Only Candidates listed in the returnable sheet T2.11 documentation will be evaluated.</p>
		Site Agent	5	
		Concrete Foreman (Built Environment)	5	
		Civils Lead Foreman (Built Environment)	5	

¹See **IMPORTANT NOTES** below regarding Key Personnel.

A maximum of **100 evaluation points** will be awarded in respect of functionality scoring.

A **minimum of 70%** of the total number of points will be required in order to be considered further.

- **Key personnel** will be expected to be available for all site and other meetings (co-ordination and technical meetings) as the exigencies of this project require.
- Should it become necessary to replace or supplement any of the key personnel listed during 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.
- Details of the key personnel proposed for this project must be included in Form C: Proposed Key Personnel (**T2 Returnable Documents**).



T1.2.2 INDICATORS FOR THE SCORING OF FUNCTIONALITY CRITERIA A2

#	FUNCTIONALITY CRITERIA	EVALUATION INDICATORS				
		NO RESPONSE (0%)	POOR (25%)	SATISFACTORY (50%)	GOOD (75%)	VERY GOOD (100%)
1.0	Demonstrated experience and past performance in comparable/equivalent projects executed by the Bidder – Construction of water retaining reinforce concrete reservoirs, large reinforced concrete water retaining structures (Civil Engineering – CE classification)	Failed to provide information	1 Completed project Of minimum size: 10ML water retaining reinforced concrete reservoir or larger completed in the last 10 years.	2 Completed projects Of minimum size: 10ML water retaining reinforced concrete reservoir or larger completed in the last 10 years.	3 Completed projects Of minimum size: 10ML water retaining reinforced concrete reservoir or larger completed in the last 10 years.	More than 3 Completed projects Of minimum size: 10ML water retaining reinforced concrete reservoir or larger completed in the last 10 years.
		Failed to provide information	Value of single project completed in the last 10 years less than R45 million (incl. VAT)	Value of single project completed in the last 10 years of R45 million (incl. VAT) or more	Value of two (2) projects completed in the last 10 years of R45 million (incl. VAT) or more	More than two (2) projects completed in the last 10 years of R45 million (incl. VAT) or more
2.0	Proposed Construction Work Programme Completeness	Failed to provide information	Construction Works Programme is not complete, missing some key scope.	The whole project scope is covered on Construction Works Programme but missing key milestones, resources and a critical path.	The whole project scope is covered on Construction Works Programme including key milestones, resources are clearly listed and a clear critical path.	The whole project scope is covered on Construction Works Programme including completion within planned duration, key milestones including tests on completion, resources are clearly listed and a clear critical path.
3.0	Demonstrate Competency in providing a Construction Methodology for the proposed approach in the implementation of the project. The proposed Methodology must be project-specific and comprehensive.	Failed to provide information	Bidders must provide a Construction Methodology for the proposed approach	Bidders must provide a Construction Methodology for the proposed approach in	Bidders must provide a Construction Methodology for the proposed approach in	Bidders must provide a Construction Methodology for the proposed approach in



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

#	FUNCTIONALITY CRITERIA	EVALUATION INDICATORS				
		NO RESPONSE (0%)	POOR (25%)	SATISFACTORY (50%)	GOOD (75%)	VERY GOOD (100%)
			<p>in the implementation of the project. The proposed Methodology must be project-specific and comprehensive. The approach paper must include contingency planning and management covering various aspects including construction procedures, testing methods, excavation techniques, backfilling methods and installations of equipment.</p> <p>The Bidder ONLY included TWO of the following</p> <ul style="list-style-type: none"> (1) Project Specific Construction Approach (2) Project Specific Risk Management Plan (3) Project Specific Environmental Management Plan (4) Project Specific Organogram 	<p>the implementation of the project. The proposed Methodology must be project-specific and comprehensive. The approach paper must include contingency planning and management covering various aspects including construction procedures, testing methods, excavation techniques, backfilling methods and installations of equipment.</p> <p>The Bidder ONLY included THREE of the following</p> <ul style="list-style-type: none"> (1) Project Specific Construction Approach (2) Project Specific Risk Management Plan (3) Project Specific Environmental Management Plan (4) Project Specific Organogram 	<p>the implementation of the project. The proposed Methodology must be project-specific and comprehensive. The approach paper must include contingency planning and management covering various aspects including construction procedures, testing methods, excavation techniques, backfilling methods and installations of equipment.</p> <p>The Bidder ONLY included FOUR of the following:</p> <ul style="list-style-type: none"> (1) Project Specific Construction Approach (2) Project Specific Risk Management Plan (3) Project Specific Environmental Management Plan (4) Project Specific Organogram 	<p>the implementation of the project. The proposed Methodology must be project-specific and comprehensive. The approach paper must include contingency planning and management covering various aspects including construction procedures, testing methods, excavation techniques, backfilling methods and installations of equipment.</p> <p>The Bidder included ALL the following</p> <ul style="list-style-type: none"> (1) Project Specific Construction Approach (2) Project Specific Risk Management Plan (3) Project Specific Environmental Management Plan (4) Project Specific Organogram



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

#	FUNCTIONALITY CRITERIA	EVALUATION INDICATORS				
		NO RESPONSE (0%)	POOR (25%)	SATISFACTORY (50%)	GOOD (75%)	VERY GOOD (100%)
			(5) Project-Specific Safety and Security Management Plan	(5) Project-Specific Safety and Security Management Plan	(5) Project-Specific Safety and Security Management Plan	(5) Project-Specific Safety and Security Management Plan
4.0	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, utilized and not audited	Documented Quality Management System is available, utilized and audited internally. Proof of the audit is required.	Documented system / Quality Management Plan is available and proof to be supplied that the system is audited internally & externally, and quality control plan is specific to this project.	Documented Quality Management System is available, utilized and audited internally. Proof of the audit is required. The Contractor has attached his ISO 9001 accreditation
5.0	Locally based Service Providers.	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 Sarah Baartman District Municipality	The bidder is based within the Nelson Mandela Bay Municipality Metropolitan area.
6.0	Commitment to sub-contracting with QSEs/ EMEs within the targeted area.	No Commitment to sub-contracting to QSEs / EMEs or Failed to complete Form K2	Commitment to sub-contracting less than 33% to QSEs/ EMEs (Percentage confirmed on Form K2)	Commitment to sub-contracting 33% to QSEs / EMEs (Percentage confirmed on Form K2)	Commitment to sub-contracting more than 33% up to 35% QSEs/ EMEs (Percentage confirmed on Form K2)	Commitment to sub-contracting more than 35% but not more than 40% to QSEs / EMEs (Percentage confirmed on Form K2)



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

#	FUNCTIONALITY CRITERIA		EVALUATION INDICATORS				
			NO RESPONSE (0%)	POOR (25%)	SATISFACTORY (50%)	GOOD (75%)	VERY GOOD (100%)
7.0	<p>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 the application of the weighting factor.</p>	Contracts Manager	Failed to provide information	Artisan / relevant accredited certificates.	National Diploma/ NQF Level 6 Certificate in Built Environment and a registration with SACPCMP as Pr. CM/CPM or ECSA registration as a Pr. Technician.	BSc /B – Tech/NQF Level 7 Certificate in Built Environment and a registration with SACPCMP as Pr. CM/CPM or ECSA registration as a Pr. Eng or Pr. Tech.	Honours / NQF Level 8 in the Built Environment and a registration with SACPCMP as Pr. CM/CPM or ECSA registration as a Pr. Eng or Pr. Tech.
		Site Agent		Short courses in the Built Environment Field – Certificate of attendance	National Diploma/ NQF Level 6 Certificate in Built Environment and a registration with SACPCMP as Pr. CM/CPM or ECSA registration as a Pr. Technician	Diploma & Advanced Certificate/ NQF Level 6 Certificate in the Built Environment and a registration with SACPCMP as Pr. CM/CPM or ECSA registration as a Pr. Eng or Pr. Tech.	BSc / B-Tech/ NQF Level 7 in the Built Environment and a registration with SACPCMP as Pr. CM/CPM or ECSA registration as a Pr. Eng or Pr. Tech.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

#	FUNCTIONALITY CRITERIA		EVALUATION INDICATORS					
			NO RESPONSE (0%)	POOR (25%)	SATISFACTORY (50%)	GOOD (75%)	VERY GOOD (100%)	
	CONSENT							
8.0	Experience of the key staff personnel that will be available to manage the execution of the project – (Averaged score for the Contracts Manager, Site Agent, Concrete Foremen, Civils Lead Foreman)	Contracts Manager	Name & Surname: Signature:	Failed to provide information	Less than 5 years relevant experience in the position including at least 2 projects but less than 3 projects completed as stated in Section 1	5 to 10 years relevant experience in the position including 3 projects completed as stated in Section 1	10 years or more relevant experience in the position including 4 projects completed as stated in Section 1	10 years or more relevant experience in the position including more than 4 projects completed as stated in Section 1
		Site Agent	Name & Surname: Signature:		Less than 5 years relevant experience in the position including at least 2 projects but less than 3 projects completed as stated in Section 1	5 to 10 years relevant experience in the position including 3 projects completed as stated in Section 1	5 to 10 years relevant experience in the position including 4 projects completed as stated in Section	10 years or more relevant experience in the position including more than 4 projects completed as stated in Section 1
		Concrete Foremen (Built Environment)	Name & Surname: Signature:		Less than 5 years relevant experience in the position including at least 2 projects but less than 3 projects completed as stated in Section 1	5 to 10 years relevant experience in the position including 3 projects completed as stated in Section 1	5 to 10 years relevant experience in the position including 4 projects completed as stated in Section 1	10 years or more relevant experience in the position including more than 4 projects completed as stated in Section 1
		Civil Lead Foreman (Built Environment)	Name & Surname: Signature:		Less than 5 years relevant experience in the position including at least 2 projects but less than 3 projects completed as stated in Section 1	5 to 10 years relevant experience in the position including 3 projects completed as stated in Section 1	5 to 10 years relevant experience in the position including 4 projects completed as stated in Section 1	10 years or more relevant experience in the position including more than 4 projects completed as stated in Section 1

Note - Failure of bidders to reach a minimum score of 70.00 points the bidder will not be considered for further evaluation.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

EXPERIENCE OF KEY PERSONNEL

The experience of assigned staff member in relation to the Scope of Work will be evaluated from three different points of view:

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.

- 1) General experience (total duration of professional activity), level of education and training and positions held of each discipline specific team leader.
- 2) The education, training, skills and experience of the Assigned Staff in the specific sector, field, subject, etc which is directly linked to the scope of work.
- 3) The key staff members' / experts' knowledge of issues which the bidder considers pertinent to the project e.g. local conditions, affected communities, legislation, techniques etc.

Note to Bidder:

A CV shall be attached to this schedule of not more than 2 pages for the

- **Contracts Manager**
- **Site Agent**
- **Concrete Foreman**
- **Civil Lead Foreman**
- **SMME Construction Mentor**

Each CV shall be structured according to the following template. Failure to submit the CV in the requested format will result in the CV **NOT** being evaluated as part of the Bidder's submission.

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. Any inconsistency in the information provided will lead to the conclusion that the person nominated is not suitably qualified for the position or do not submit their CVs will be scored **ZERO** points.



EXPERIENCE AND QUALIFICATIONS OF CONTRACTS MANAGER

Personal Particulars				
Full Name and Surname:				
ID/ Passport No.				
Age				
Tendered Post:				
Name of Professional Institution/s Registered With:				
Professional Registration Number:				
Qualifications (Certified 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 (R.C Water Retaining Structure Capacity and Dimensions, i.e.: diameter & depth / length, width & depth)	Capacity (ML)	Client and Engineer Reference & Contact

NOTE:

Client Implies: Coega Development Corporation.

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



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Declaration by nominee for key staff position above:

I, the undersigned, declare that all the information provided above and in 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:



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

EXPERIENCE AND QUALIFICATIONS OF SITE AGENT

Personal Particulars				
Full Name and Surname:				
ID/ Passport No.				
Age				
Tendered Post:				
Name of Professional Institution/s Registered With:				
Professional Registration Number:				
Qualifications (Certified 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 ((R.C Water Retaining Structure Capacity and Dimensions, i.e.: diameter & depth / length, width & depth)	Capacity (ML)	Client and Engineer Reference & Contact

NOTE:

Client Implies: Coega Development Corporation.

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



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Declaration by nominee for key staff position above:

I, the undersigned, declare that all the information provided above and in 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:



EXPERIENCE OF CONCRETE LEAD FOREMAN

Personal Particulars				
Full Name and Surname:				
ID/ Passport No.				
Age				
Tendered Post:				
Overview of Experience				
Date	Organisation		Position Held	
Outline of Relevant Experience				
Start (MM/YYYY)	End (MM/YYYY)	Client, Contract Title & Detailed Description of Contract (R.C Water Retaining Structure Capacity and Dimensions, i.e.: diameter & depth / length, width & depth)	Capacity (ML)	Client and Engineer Reference & Contact

NOTE:
Client Implies: Coega Development Corporation.
Make additional copies of this form if required for additional projects.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Declaration by nominee for key staff position above:

I, the undersigned, declare that all the information provided above and in 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:



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

EXPERIENCE OF CIVIL LEAD FOREMAN

Personal Particulars				
Full Name and Surname:				
ID/ Passport No.				
Age				
Tendered Post:				
Overview of Experience				
Date	Organisation		Position Held	
Outline of Relevant Experience				
Start (MM/YYYY)	End (MM/YYYY)	Client, Contract Title & Detailed Description of Contract (R.C Water Retaining Structure Capacity and Dimensions, i.e.: diameter & depth / length, width & depth)	Capacity (Diameter)	Client and Engineer Reference & Contact

NOTE:

Client Implies: Coega Development Corporation.

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



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Declaration by nominee for key staff position above:

I, the undersigned, declare that all the information provided above and in 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:



COEGA DEVELOPMENT CORPORATION (PTY) LTD

CONTRACT No. CDC/488/24

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

PART T2: RETURNABLE DOCUMENTS



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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/488/24** 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/488/24 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.

C. Certificate for Joint Venture

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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/488/24** 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 to sign all documents in connection with this tender for **Contract No CDC/488/24** 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.

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ
T2.1.3 FORM C: PROPOSED KEY PERSONNEL

The Bidder shall list below the key personnel, whom he proposes to employ on the contract should his offer be accepted, both at his 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.

LOCATION	DESIGNATION	NAME AND NATIONALITY OF: (i) NOMINEE	SUMMARY OF QUALIFICATIONS, EXPERIENCE AND PRESENT OCCUPATION
HEAD OFFICE	Partner/Director		
	Project manager		
	Other key staff (Give designation)		
SITE OFFICE	Contracts Manager (Civil)		
	Site Agent (Civil)		
	Concrete Foreman (Civil)		
	Civils Lead Foreman (Civil)		
	Health and Safety Officer		
	Operators		
	Other key staff (Give designation)		

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

**** CV's 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:
(of person authorised to sign on behalf of the Bidder)

DATE:



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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

DESCRIPTION, SIZE, CAPACITY	NUMBER

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

DATE:

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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

DATE:.....



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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	VALUE *
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
TOTAL	R

SIGNATURE:

DATE:

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



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.]



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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

DATE:.....

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ
T2.1.9 FORM J: OCCUPATIONAL HEALTH AND SAFETY ACT SPECIFICATIONS
OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION FOR CONSTRUCTION
ANNEXURE A

The Contractor shall submit Annexure A with the additional information on Tender Document upon appointment.

Item No.	OHSS Requirement	OHSA Requirement	Submission Date
2.3.1	A copy of construction work permit certificate issued by the Client/Agent from Department of Labour	CR 3 - Completed Annexure 1 of Construction Regulations 2014	Before commencement on site.
2.3.2	A copy of acknowledgement certificate of construction work notification issued by the Department of Labour.	CR 4 - Completed Annexure 2 of Construction Regulations 2014	Before commencement on site.
2.3.3	Assignment of competent persons to manage and supervise construction work	All relevant appointment letters, as per OHSA and Regulations.	Before commencement on site.
2.3.4	Competency for Responsible Persons	Proof of training records	Before commencement on site.
2.3.5	Compensation of Occupational Injuries and Diseases Act (COIDA) 130 OF 1993	Valid letter of good standing	Before commencement on site.
2.3.6	Occupational Health and Safety Policy	Health, Safety and Environmental policies	Before Commencement on site
2.3.7	Health and Safety Organogram.	Site organogram	Before commencement on site.
2.3.8	Health, Safety and Environmental File	Specifications, Risk Assessment, Plans, Method Statements, Appointments, Certificates, Registers, Records, other documents	Within prescribed period of receipt of letter of acceptance by CDC
2.3.9	Health & Safety Representative.	Section 17	Submit as soon as there are more than 20 employees on site

Abbreviations:
CDC: Coega Development Corporation

CR: Construction Regulations

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

Acknowledgement:

I, _____ representing

_____ Contractor / Agent have satisfied myself with the content of the Occupational Health and Safety Specification (OHSS) and shall ensure that the Contractor and his / her personnel comply with all relevant obligations in respect thereof. I furthermore 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 OHSA for the duration of the construction and defects repair period.

Signature of Contractor

Date

Signature of Agent

Date



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T2.1.10 FORM K2: CONTRACT PARTICIPATION GOAL: EME / QSE TARGET FORM

The CIDB Standard for Indirect Targeting is incorporated into this Contract. A minimum Contract Participation Goal (CPG) of 33% (by value, excluding contingencies, escalation, VAT, Socio-economic deliverables, and EPWP allowances (if applicable)) is stipulated in this contract.

The Bidder is obliged to commit to targeted works that can be performed by EME's/ QSE's 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. No Functionality Points will be scored for a commitment that is less than 33%.

The overall percentage in the table below will be utilised for 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 stated 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 : _____

BIDDER/S NAME : _____

I/We tender the following targets of:

Exempted Micro Enterprises (EME's) / SMME's Participation		
Participation	% Goal Tendered	Estimated RAND Value (R)
SMME Packages in Tender	%	R
Own EME/SMME sub-contractors (If applicable)	%	R
Other (Specify)	%	R
Overall % Contract Participation Goal (Not less than 33%)	%	R

Details of own EME/ QSE subcontractors (if applicable)



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Subcontractor	Construction Element	Estimated Value (R)
		R
		R
		R
		R
		R
		R
		R
		R

I/We commit to achieving the above-mentioned Contract Participation Goal and to respond promptly to points of clarification regarding my/our CPG's, 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.

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

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

Signature	:	

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



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T2.1.12 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	<input type="checkbox"/>
NO	<input type="checkbox"/>

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

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

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	<input type="checkbox"/>
NO	<input type="checkbox"/>

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

1 ID NO:

2 ID NO:



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T2.1.13 FORM N: JOINT VENTURE DISCLOSURE FORM

EMPLOYER: COEGA DEVELOPMENT CORPORATION

CONTRACT DESCRIPTION: CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

CONTRACT NUMBER: CDC/488/24

Note:

- 1) This form needs 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. In order 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 to restrictions/limits regarding ownership and control.
- 5) Each enterprise partners must complete an Enterprise Declaration Affidavits



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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 : _____



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

**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



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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 :



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T2.1.14 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 a 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 a case of Joint Ventures (JV) each JV partner must submit their CIDB Registration Certificate.

Copy attached

Yes	No

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

DATE:



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T2.1.15 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 indicative method statements shall cover the Contractor's proposed methodology and technical approach detailing the execution of the project which is consistent with the construction programme, listing the risk factors for scoring of functionality.

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).



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

T2.1.16 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 and 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 (QCP’s) that will outline how works will be staged and where Employer’s Agent’s approvals will be required to sign off any work, whether in full or in stages. 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 scoring of functionality.

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

DATE:

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 interest¹ 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 proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in 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:

¹ the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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 I 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 consortium² 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 of 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

² 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.

Preference Points Claim Form in Terms of The Preferential Procurement Regulations 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B- BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

1.1. The following preference point systems are applicable to all bids:

- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included)

1.2.

- a) The value of this bid is estimated to **exceed** R50 000 000 (all applicable taxes included)
- b) The 90/10 preference point system will be applicable to this tender

1.3. Points for this bid shall be awarded for:

- a) Price; and
- b) B-BBEE Status Level of Contributor.

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

	POINTS
PRICE	90
B-BBEE STATUS LEVEL OF CONTRIBUTOR	10
Total points for Price and B-BBEE must not exceed	100

1.5. Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

2. DEFINITIONS

- 2.1. **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act.
- 2.2. **“B-BBEE status level of contributor”** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act.
- 2.3. **“Bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals.
- 2.4. **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003).
- 2.5. **“EME”** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad- Based Black Economic Empowerment Act.
- 2.6. **“Functionality”** means the ability of a bidder to provide goods or services in accordance with specifications as set out in the tender documents.
- 2.7. **“Prices”** includes all applicable taxes less all unconditional discounts.
- 2.8. **“Proof of B-BBEE status level of contributor”** means:
- a) B-BBEE Status level certificate issued by an authorized body or person.
 - b) sworn affidavit as prescribed by the B-BBEE Codes of Good Practice.
 - c) Any other requirement prescribed in terms of the B-BBEE Act.
- 2.9. **“QSE”** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act.
- 2.10. **“Rand value”** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes.

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

3. POINTS AWARDED FOR PRICE

3.1. THE 90/10 PREFERENCE POINT SYSTEMS

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

90/10

$$P_s = 90 \left(1 - \frac{P_t - P_{min}}{P_{min}} \right)$$

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.

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

4.1. In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)
1	10
2	9
3	6
4	5
5	4
6	3
7	2
8	1
Non-compliant contributor	0

5. BID DECLARATION

5.1. Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

6.1. B-BBEE Status Level of Contributor: = (maximum of 10 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

7.1. Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

7.1.1. If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub- contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017

Designated Group: An EME or QSE which is at last 51% owned by:	EME	QSE
	√	√
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. DECLARATION WITH REGARD TO COMPANY/FIRM

8.1. Name of company/firm:.....

8.2. VAT registration number:.....

8.3. Company registration number:.....



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

8.4. TYPE OF COMPANY/ FIRM [TICK APPLICABLE BOX]

- Partnership/Joint Venture / Consortium
- One-person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

8.5. DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

8.6. COMPANY CLASSIFICATION [TICK APPLICABLE BOX]

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

8.7. Total number of years the company/firm has been in business:.....

8.8. I/we, the undersigned, who is / are duly authorized to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we 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 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct.
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - a) disqualify the person from the bidding 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 bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the audit alteram partem (hear the other side) rule has been applied; and



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

e) forward the matter for criminal prosecution

WITNESS
1.
2.

.....
SIGNATURE(S) OF BIDDER(S)
DATE
ADDRESS
.....
.....
.....

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) in accordance with 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 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 fulfillment 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:

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 number dated..... 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 in accordance with 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.

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**FORM H: 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 for the purpose of evaluating and subsequently awarding/appointing a successful Bidder.

In order 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 which 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 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 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.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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, unauthorized 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



COEGA DEVELOPMENT CORPORATION (PTY) LTD

CONTRACT No. CDC/488/24

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

PART C1: AGREEMENTS AND CONTRACT DATA



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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/488/24

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ. 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 in accordance with 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 _____ Date _____
witness

CIDB
Registration No: _____

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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 in accordance with 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 in accordance with 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 _____



C1.2 CONTRACT DATA

1.2.1 GENERAL CONDITIONS OF CONTRACT

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

The Conditions of Contract for Construction for Building and Engineering Works Designed by the Employer, Second Edition 2017, (FIDIC “Red Book”) issued by the International Federation of Consulting Engineers (FIDIC).

Copies of these Conditions of Contract (Red Book) may be obtained from:

The South African Institution of Civil Engineering (SAICE), Private Bag X200, Halfway House 1685,

Tel: +27 011 805 5947, Fax: +27 11 805 5971,

E-mail: civilinfo@saice.org.za.

or

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 (Red Book) 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 FIDIC Red Book to which it mainly applies.

CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ
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.:

FIDIC Clause	Description	Data
1.1.31	Employer	The Employer is: Name: Coega Development Corporation (Pty) Ltd The address of the Employer is: Corner Alcyon and Zibuko Street Coega SEZ Zone 1 Gqeberha 6001
1.1.35	Engineer	The Engineer is: Name: Naidu Consulting (Pty) Ltd. The address of the Engineer is: 10 St Helena Road Beacon Bay East London 5241
1.1.84	Time for Completion	Time for Completion is 15 months including all the builders shut down periods
1.1.27	Defects Notification Period or DPN	Defects Notification Period is 12 months
1.3	Notices and Other Communications	Electronic Transmission Systems permitted are telefax and email
1.4	Law and Language	Governing Law is that of the Republic of South Africa Ruling Language is English Language for Communications is English

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

FIDIC Clause	Description	Data
2.1	Right of Access to the Site	Access of Access to the Site is to be given immediately after the Commencement Date, subject to the Contractor's compliance with the OHS Act Construction Regulations and Environmental Requirements as specified in the relevant Annexures to this Contract.
4.2	Performance Security	Amount of Performance Security is 10% of the Accepted Contract Amount, in South African Rands, valid until the issue of the Performance Certificate. The period for submission of Performance Security is within 14 days of Commencement Date.
6.5	Working Hours	Normal Working Hours shall be from Monday to Friday between the hours 08h00 and 17h00 and shall exclude all gazetted public holidays
8.8& 14.15 c	Delay Damages & Currencies of Payment	Delay damages for the works are 4cents per R100 of the tender amount
13.4 (b) (ii)	Provisional Sums	Percentage for adjustment of Provisional Sums is 5%
13.7	Adjustment for Changes in Cost	The amounts payable to the Contractor shall not be adjusted
14.2	Advance Payment	Advance Payment by the Employer is not permitted for this Contract
14.3 (c) (iii)	Application for Interim Payment	Percentage of Retention Money is 10% Limit of Retention Money is 5% of the Accepted Contract Amount
14.15	Currencies of Payment	The currency for all payments in terms of the Contract shall be the South African Rand
19.1	General Requirements	The Contractor shall produce all required insurances in terms of the Contract within 14 working days of the date of the Letter of Acceptance
19.2.4	Insurance against injury to Persons and Damage to Property	Supplementary/special insurance to be effected by: Contractor For sum of: Public Liability Insurance Limit of Liability of R10 million
21.1	Constitution of the DAAB	Date by which DAAB should be appointed: within 14 working days from date of receipt of written notice by one party from the other party requiring the appointment of a DAAB The DAAB shall comprise of: 1 member
21.2	Failure to Appoint DAAB Member(s)	Appointing entity: Association of Arbitrators (Southern Africa)

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ****Particular Conditions**

The Particular Conditions are:

Clause No	Description
Sub-Clause 1.1	Sub-Clause 1.1 – Definitions
1.1.10	Delete and Replace Sub-Clause 1.1.10 with the following: “Contract” means the Form of Offer and Acceptance, Contract Data, these Conditions, the Specifications, the Drawings, the Schedules and the further documents (if any), which are listed in the Form of Offer and Acceptance, and further includes drawings and documents or parts thereof, which any of the aforesaid documents incorporate by reference.
1.1.11	Delete and Replace Sub-Clause 1.1.11 with the following: “Contract Agreement” means the document titled Form of Offer and Acceptance.
1.1.50	Delete and Replace Sub-Clause 1.1.50 with the following: “Letter of Acceptance” means that section of the Form of Offer and Acceptance called Acceptance.
1.1.51	Delete and Replace Sub-Clause 1.1.51 with the following: “Letter of Tender” means that section of the Form of Offer and Acceptance called Offer.
1.1.71	Delete and Replace Sub-Clause 1.1.71 with the following: “Schedules” means the document(s) entitled Tender Schedules, completed by the Contractor and submitted with his tender offer, as included in the Contract. Such document(s) may include data, lists and schedules of payments and/or rates and prices, and guarantees..
1.1.81	Delete and Replace Sub-Clause 1.1.81 with the following: “Tender” means that section of the Form of Offer and Acceptance called Offer and all other documents which the Contractor submitted as Returnable Documents, as included in the Contract.
1.1.31	Add the following to Sub Clause 1.1.2.2: “Employer” and “Client” shall be used interchangeably and shall be the Coega Development Corporation (Pty) Ltd
1.1.89	Add the following new definition “SMME” means small, medium and micro enterprises as defined in the Specifications.
1.1.90	Add the following new definition “The Mediator means the person or a three persons tribunal named in the Contract, or other person(s) appointed under Sub-Clause 21.5 (Appointment of the Mediator) or Sub-Clause 20.3 (Failure to agree on the Mediator)”
1.1.86	Add the following to Sub-Clause 1.1.86 – Variation: “Work executed in terms of a Supplementary Agreement as defined in Sub-Clause 1.1.6.10 shall not be taken to be a variation under Clause 13, but to be a separate contract with an agreed new Scope of Works.”
1.1.91	Add the following new Sub-Clause 1.1.91 – “Supplementary Agreement” “Supplementary Agreement” means a new contract between the Client and the Contractor for executing work, supplemental to the original Contract, which was not contemplated in the original Contract and is also not required for the proper completion of the original Contract.”
Sub-Clause 1.2	Sub-Clause 1.2 – Interpretation Replace 1.2(d) and replace with: “(d) The expressions ‘written’, ‘in writing’, ‘the giving of notice’, ‘giving consent’, ‘as instructed’ or ‘at the request of ‘means that hand-written, type-written, printed or electronically made communications have been given by one Party to the other so that a permanent record results. However, such notices, instructions, consents or requests are not

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

Clause No	Description
	<p>deemed to have been delivered by virtue of their appearance in the minutes of meetings unless such minutes have been signed as a true record of the proceedings of the meeting. Verbal communications will not be legally binding unless reduced to or confirmed in writing. All additional works deemed to be variations in terms of the Contract must be given in writing and no work to be executed if not duly approved by the Employer in terms of clause 3.1(c)”</p> <p>Add the following sub-sub-clause: “(k) definitions, as contained in the Occupational Health and Safety Act (Act 85 of 1993) and the Construction Regulations, 2014, have been applied to Volume 1 and Volume 2 of the Contract. These definitions have been applied for consistency, but are interchangeable on an ad-hoc basis. In particular, the following definitions are applicable:</p>
(i) (ii) (iii)	<p>“Principal Contractor” and “the Principal Contractor” means an employer appointed by the client to perform construction work. “Client” shall mean any person for whom construction work is performed. “Contractor” shall mean a person who performs construction work.</p>
Sub-Clause 1.5	<p>Sub-Clause 1.5 – Priority of Documents Delete and Replace Sub-Clause 1.5 with the following: “The documents forming the Contract are to be taken as mutually explanatory of one another. For the purpose of interpretation, the priority of the documents shall be in accordance with the following sequence:</p> <ul style="list-style-type: none"> (a) Letter of Offer of Acceptance (b) Appendix to Tender within the Contract Data (what Contractor Specified in his tender during the tender phase) (c) Particular Conditions of Contract (d) General Conditional of Contract (e) Scope of Works (f) Project Drawings (g) Project Specifications (Specials) (h) Standard Specifications (i) Standard Drawings (j) Schedule and any other documents forming part of the Contract (SoQ’s) <p>If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.”</p>
Sub-Clause 1.6	<p>Sub-Clause 1.6 – Contract Agreement Delete “within 35 days after the Contractor receives the Letter of Acceptance” in the first line and replace with “on the date of issue of the Letter of Acceptance”.</p>
Sub-Clause 1.8	<p>Sub-Clause 1.8 – Care and Supply of Documents <i>(i)</i> In the second line of the first paragraph, replace “two copies” with “a single copy”. <i>(ii)</i> In the third line of the second paragraph, replace “six copies” with “shall supply to the Engineer one paper-original, one electronic copy (in the form as stated in the Specification or, if not stated, a form acceptable to the Engineer)”.</p>
Sub-Clause 2.4	<p>Sub-Clause 2.4 – Employer’s Financial Arrangements Add the following subclause: “The Employer will provide such financial arrangements in the form of a written confirmation letter that funding is available for this Contract”.</p>

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

Clause No	Description
Sub-Clause 3.2	<p>Sub-Clause 3.2 – Engineer’s Duties and Authority Add the following at the end of paragraph three and delete paragraph 4: “The Engineer shall obtain the specific approval of the Employer for the execution of the following functions or duties and the Contractor shall not proceed with any such additional works until the Employer has duly approved and physically signed a variation order, the Contractor should insist on such a signed copy of such a variation order before commencement of any additional works.</p> <ol style="list-style-type: none"> a. The issuing of a Supplementary Agreement in terms of Sub-Clause 1.1.91 b. The award of claims in respect of extensions of time Sub-Clause 8.5 c. The issuing of Variation Orders, in terms of Sub-Clause 13.3. d. The award of claims in respect of additional costs.
Sub-Clause 3.5	<p>Sub-Clause 3.5 – Engineer’s Instructions Add to the following paragraph to Sub-Clause 3.5: “Where the Engineer issues a written instruction that determines a reasonable date for the performance of a contractual obligation in terms of the Contract, and where the Engineer fails to demonstrate compliance with the instruction, the following penalties will be imposed:</p> <ul style="list-style-type: none"> • If compliance is outstanding on the fifth day after the due date, an amount of R 5 000.00 is to be deducted from any amounts due to the Contractor at the next payment date. • If compliance remains outstanding there-after, a penalty amount equal to double the previous amount is to be imposed for every five days that elapse. • The maximum penalty deduction for any outstanding instruction shall be R 150 000.00 and a suspension of the Works for 48 hours. <p>The imposition of a penalty for non-compliance shall not prejudice the rights of the Client to other remedies, or relieve either party of any rights or obligations they may have in terms of the Contract.”</p> <p>Non-compliance to the following Environmental requirements will result in the application of the penalty, following an Engineer’s Instruction for corrective action as described above:</p> <ol style="list-style-type: none"> 1. Commencement of activities without submission or approval of Environmental Method statements. 2. Material failure to abide by the approved Method Statements. 3. Occupation of a no-go area, or areas within the IDZ but outside of the designated site by the Contractor, Contractor’s plant, materials, waste or spoil. 4. Uncontrolled waste material or litter on site. 5. Uncontrolled dust, noise, effluent or other nuisance from the site that materially affects other properties or persons. 6. Non-compliance to the following Environmental requirements will result in the application of the penalty, without a specific Engineer’s Instruction, as described above: <ol style="list-style-type: none"> 1. Bush clearing of an area outside of the site or the areas demarcated within the approved Method Statements.
Sub-Clause 3.7	<p>Sub-Clause 3.7 – Agreement or Determination Delete the first paragraph under 3.71 and replace with: “The Engineer shall obtain the Employer’s specific approval to give notice to both Parties of each agreement and determination, with supporting particulars. Each party shall give effect to each agreement</p>

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

Clause No	Description
	and determination unless and until revised under Clause 20 & 21 [Claims, Disputes and Arbitration]"
Sub-Clause 4.2	<p>Sub-Clause 4.2 – Performance Security Replace paragraph one of 4.2.1 with the following: “The Contractor shall deliver the Performance Security to the Client within 21 working days of the date of issue of the Letter of Acceptance, with a copy to the Engineer. The Performance Security shall be issued by a Bank or Insurance Company registered or licensed to do business in the Republic of South Africa and having an Office or Banking Facility in the Republic of South Africa and shall be subject to approval by the Client and shall be in the form prescribed in the project documents or in another form approved by the Client.”</p> <p>Add the following to the end of Sub-Clause 4.2: “The above shall apply in respect of portions of work carried out by SMME’s, except that the Principal Contractor shall assume the role of Employer in respect of requiring a Performance Security from the respective SMME’s.</p> <p>The conditions of reduction and return of the Performance Guarantee shall apply as detailed on Pro-Forma 1.3.”</p>
Sub-Clause 4.3	<p>Sub-Clause 4.3 – Contractor’s Representative Add the following to the end of Sub-Clause 4.3: SMME SUB-CONTRACTORS “The Contractor shall provide a SMME construction manager for the full duration of the project.”</p>
Sub-Clause 5.1	<p>Sub-Clause 5.1 – Subcontractors Add the following to the end of Sub-Clause 5.1: “Provide for Contractor's overheads, handling charges, attendance and profit on SMME Sub-Contractors.</p>
Sub-Clause 4.8	<p>Sub-Clause 4.8 – Health and Safety Obligations Add the following to the end of Sub-Clause 4.8: ")h) The Client and the Contractor hereby agree, in terms of the provisions of Section 37(2) of the Occupational Health and Safety Amendment Act, 1993 (Act 85 of 1993), hereinafter referred to as the Act, that the following arrangements and procedures shall apply between them to ensure compliance by the Contractor with the provisions of the Act:</p> <ul style="list-style-type: none"> (i) The “Principal” Contractor undertakes to acquaint the appropriate officials and employees of the Contractor with all relevant provisions of the Act and the Regulations promulgated in terms of the Act. (ii) The Contractor undertakes that all relevant duties, obligations and prohibitions imposed in terms of the Act and Regulations on the Contractor will be fully complied with. <p>Sub-Clause 4.8 – Health and Safety Obligations (Continued) (iii) The Contractor accepts sole liability for such due compliance with the relevant duties, obligations and prohibitions imposed by the Act and Regulations and expressly absolves the Client from himself being obliged to comply with any of the aforesaid duties,</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>obligations and prohibitions, with the exception of such duties, obligations and prohibitions expressly assigned to the Client in terms of the Act and its associated Regulations.</p> <p>(iv) The Contractor agrees that any duly authorised officials of the Client shall be entitled, although not obliged, to take such steps as may be necessary to monitor that the Contractor has conformed to his undertakings as described in paragraphs (i) and (ii) above, which steps may include, but will not be limited to, the right to inspect any appropriate site or premises occupied by the Contractor, or any appropriate records or safety plans held by the Contractor.</p> <p>(v) The Contractor shall be obliged to report forthwith to the Client and Engineer any investigation, complaint or criminal charge which may arise as a consequence of the provisions of the Act and Regulations, pursuant to work performed in terms of this Contract, and shall, on written demand, provide full details in writing, to the Client and Engineer, of such investigation, complaint or criminal charge.</p> <p>(j) The Contractor shall furthermore, in compliance with Constructional Regulations 2014 to the Act:</p> <p>(i) Acquaint himself with the requirements of the Client's health and safety specification as laid down in regulation 5 (1)(b) of the Construction Regulation 2014, and prepare a suitable and sufficiently documented and coherent site specific health and safety plan as contemplated in regulation 7(1)(a) of the Construction Regulation 2014 for approval by the Client or his assigned agent. The Contractor's health and safety manual and risk assessment shall be submitted to the Client for approval within the time as stated in the Contract Data - Appendix to Tender and shall reviewed and updated by the Contractor as work progresses.</p> <p>The Client, or his assigned agent, reserves the right to conduct periodic audits, as contemplated in the Construction Regulations 2014, to ensure that the Contractor is compliant in respect of his obligations. Failure by the Contractor to comply with the requirements of these Regulations shall entitle the Engineer, at the request of the Client or his agent, to suspend all or any part of the Works, with no recourse whatsoever by the Contractor for any damages incurred as a result of such suspension, until such time that the Client or his agents are satisfied that the issues in which the Contractor has been in default have been rectified."</p>
Sub-Clause 4.9	<p>Sub-Clause 4.9 – Quality Management and Compliance Verification Systems Add the following to the end of Sub-Clause 4.9: "Where quality assurance testing is carried out by the nominated accredited testing laboratory, this testing may at the discretion of the Engineer also be taken as acceptable for Acceptance Testing."</p>
Sub-Clause 4.16	<p>Sub-Clause 4.16 – Transport of Goods Delete item 4.16(a)</p>
Sub-Clause 4.17	<p>Sub-Clause 4.17 – Contractor's Equipment Add the following to the end of Sub-Clause 4.17:</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>"The Contractor shall notify the Engineer, in writing, of the names and addresses of the owners of all major items of equipment not owned by the Contractor"</p>
<p>Sub-Clause 4.18</p>	<p>Sub-Clause 4.18 – Protection of the Environment <i>In the second paragraph delete the full stop and add</i> "and shall ensure compliance with all the environmental requirements indicated in the Standard Environmental Specification for Construction contained in the Scope of Works.</p> <p>Environmental method statements shall be submitted to the Engineer for approval within 14 working days of the Letter of Acceptance by the Contractor as specified in the Specifications."</p> <p>Add the following new Sub-Clause: 4.18.1 'THE CONTRACTOR SHALL FURTHERMORE IN COMPLIANCE WITH ENVIROMENTAL LEGISLATION AND SPECIFICATIONS, INCLUDING SUB-CONTRACTOR AND SMME SUB-CONTRACTORS PROVIDE FOR:</p> <ul style="list-style-type: none"> • An Environmental Officer or Responsible person to prepare and update Method Statements, conduct regular inspections, maintain records, and report to the engineer. • Compliance with Environmental Legislation and specifications. • Compliance with Environmental Legislation and specifications contractor. • Compliance with Environmental Legislation and specifications SMME sub-contractors. • Compliance with Environmental Legislation and specifications sub-contractors. • Site Occupation, Health, Safety and Environmental awareness signage. • Provision of venue and staff attendance at the environmental awareness training course. • Provide for adequate handling and storage of materials so as to minimize contamination of ground, air or water. • Provide for adequate and safe collection and disposal of waste material and effluent from site by an approved method. • Provide for safe temporary drainage of the site and works during construction. • Provide for firefighting equipment and siren. • Provide for adequate transport, handling and storage of hazardous chemical substances, flammable materials and explosives, where used and protective equipment and training for the explosive powered tools. <p>Sub-Clause 4.18.1 – Protection of the Environment (Continued)</p> <ul style="list-style-type: none"> • Provide for adequate dust control measures, including regular watering of access routes. • Eating areas. • Provide for demarcation and safety of the works and temporary access by public, including other Contractors. • Provide for the rehabilitation on completion of site areas and



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>temporary access routes not covered by construction or landscaping specifications.</p> <ul style="list-style-type: none">• Provide for plant and equipment maintenance area, if required, with adequate bunded and contained wet work area.• Provision of Environmental Method Statements.• Contractor's overheads, charges, and profit on last.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
<p>Sub-Clause 4.20</p>	<p>Sub-Clause 4.20 – Progress Reports Add the following to the end of Sub-Clause 4.20: “The Contractor is to update the programme in the following manner: Each activity on the current schedule is to be progressed by recording the actual start date and the remaining duration for the activity. The remaining duration is to be assessed and adjusted in the light of expected progress slippage or gain. The entire current barchart is to be rescheduled according to the current date of reporting such that all uncompleted activities are scheduled forward from the current date. The Contractor must fairly represent the duration of outstanding activities to calculate the current expected completion date. No shortening of outstanding durations in order to project a favorable completion date will be permitted, unless the Contractor has justified this by measures to expedite the work.</p> <p>Extension of time or other agreed changes are to be represented on the baseline barchart such that the end date is adjusted accordingly. Comparison between the baseline and current barchart will represent the status of the project. The difference in end dates and the gain or loss of time will be reported.</p> <p>The updated project programme, together with a written report is to be submitted to the Engineer 1 full day prior to the regular progress meetings. The Contractor must state in the written report what his expected completion date is, and what measures are being taken in order to meet the contractual completion date. The Contractor is also to report any delays that occur that are not critical, but which contribute to an erosion of float, and may therefore contribute to future delays. Failure to notify in this manner may lead to a discounting of these factors if insufficient documentation is subsequently found to exist.</p> <p>The impact of all delays suffered, from any source, must be incorporated into the current activity bars of the programme at each reporting period, either by a re- assessment of the remaining duration of the affected activity or by the insertion of any activity to represent the delay. The impact of delays suffered from which the Engineer has authorized an extension of time must be incorporated into the baseline programme by the insertion of an activity linked to the affected activities.</p> <p>The updated project programme, together with a written report is to be submitted to the Engineer 1 full day prior to the regular progress meetings. The Contractor must state in the written report what his expected completion date is, and what measures are being taken in order to meet the contractual completion date. The Contractor is also to report any delays that occur that are not critical, but which contribute to an erosion of float, and may therefore contribute to future delays. Failure to notify in this manner may lead to a discounting of these factors if insufficient documentation is subsequently found to exist.</p> <p>The impact of all delays suffered, from any source, must be incorporated into the current activity bars of the programme at each reporting period, either by a re- assessment of the remaining duration of the affected activity or by the insertion of any activity to represent the delay.</p> <p>The impact of delays suffered from which the Engineer has authorized an extension of time must be incorporated into the baseline programme by the insertion of an activity linked to the affected activities.”</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
<p>Sub-Clause 4.24</p>	<p>Add new Sub-Clause 4.24 – Attendance on Nominated And / Or Other Contractors</p> <p>“Sub-Clause 4.24 – Attendance on Nominated And / Or Other Contractors</p> <p>The Principal Contractor shall provide General Attendance on nominated Contractors and other direct Contractors appointed by the Client including the Principal Contractor’s domestic Contractors to carry out work on or adjacent to the site during the construction period. General Attendance shall, without in any way limiting the meaning and interpretation thereof, include the following services to be rendered by the Principal Contractor:</p> <ol style="list-style-type: none"> 1) Access to the site and to places where the work is to be carried out. 2) The provision of an area for office accommodation, temporary workshops and for the storage of plant and materials. The Nominated Sub-contractor or Direct Contractor shall, at his own expense, provide and remove office accommodation, all temporary workshops, sheds or other structures required for his workmen at reasonable places on the site as the Contractor shall indicate and under the supervision of the Main Contractor. 3) The use of the site temporary services such as telephone, water and power, subject to the payment by the Contractor or Direct Contractor for all his usage and his specific reticulation. 4) Co-ordination of the work of the Contractor including the Principal Contractor’s domestic Contractors or Direct Contractor within the programme, including any intermittent work required by the Principal Contractor to allow the Contractor or Direct Contractor access to carry out his work. 5) Use of erected scaffolding <p>Special attendance, such as unloading, storing, hoisting, placing in position, providing special power supplies, specific scaffolding requirements, provision of temporary casing and/or other specific protection of the works, special security and removal of rubbish will be detailed separately in each case where required.”</p>
<p>5</p>	<p>Add new Sub-Clause 4.25 Early Warning</p> <p>The Contractor must give to the Employer an early warning by notifying the Employer as soon as the Contractor becomes aware of any matter which could increase the Contract Price, delay completion, change the accepted programme, delay the Time for Completion, impair the usefulness of the Works to the Employer or affect the work of any Subcontractor.</p> <p>The Contractor must attend a risk reduction meeting with the Engineer to discuss the early warning and to co-operate in finding a means to reduce the risk of the matter in respect of which the early warning has been given.</p> <p>At the risk reduction meeting the Contractor must co-operate in:</p> <ol style="list-style-type: none"> a. making and considering proposals for how the effect of the matter in respect of which the early warning has been given can be avoided or reduced; b. seeking solutions that will bring advantage to those who will be affected;



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>c. decide on the actions that will be taken and who will take them;</p> <p>Add new Sub-Clause 4.25 Early Warning (Continued)</p> <p>d. co-operate with the Engineer to find a reasonable solution to any difficulties that arise from working on the Site with other contractors to achieve the aim of the Employer to complete the Project on budget and in accordance with the Project programme.</p>
Sub-Clause 5.2.4	<p>Sub-Clause 5.2.4 – Evidence of Payments</p> <p>Add the following new paragraph:</p> <p>“Before issuing a Payment Certificate which includes an amount payable to a Small, Medium and Micro Enterprise (SMME) that is contracted to the Principal Contractor in a Domestic Contractor Relationship, the Engineer may request the Principal Contractor to supply evidence that such SMME has received all amounts due in accordance with previous payment certificates.”</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
<p>Sub-Clause 6.1</p>	<p>Sub-Clause 6.1 – Engagement of Staff and Labour</p> <p>Add the following new paragraph: “The Principal Contractor shall engage all “non-core” labour from the Client’s database of labour and via the Labour Management Services Processes as contained in the contract tender documentation.”</p> <p>Add the following new Sub-clauses: COMPLIANCE WITH LABOUR MANAGEMENT REGULATIONS AND INDUSTRIAL RELATIONS POLICY</p> <p>6.1.1 'The Contractor shall provide for the appointment of an Industrial Relations Co-ordinator for the full duration of the contract and for involvement in Zone IR Co-ordinating Committee as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.2 'The Contractor shall provide for the daily appropriate transport of workers from pickup points near public transport drop off zones, and from Construction Village and return for the full duration of the contract as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.3 'The Contractor shall provide for return bus transport for long weekends for qualifying seconded hourly paid employees for the full duration of the contract as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.4 'The Contractor shall provide for bus transport for qualifying seconded hourly paid employees for the full duration of the contract as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.5 'The Contractor shall provide for accommodation and full board for qualifying seconded employees in the Construction Village as described in Annexure H attached to these Bills of Quantities.</p> <p>6.1.6 'The Contractor shall provide site transport on request of shop stewards, during normal working hours as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.7 'The Contractor shall provide for lost time and transport for scheduled long weekends as described in Annexures H attached to these Bills of Quantities</p> <p>6.1.8 'The Contractor shall provide for lost time for worker attendance at IDZ induction, Environmental Awareness Course, Learnerships, Skills Training and HIV/AIDS programs as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.9 'The Contractor shall provide venues and facilities for Environmental Awareness Course attendance by workers and staff as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.10 'The Contractor shall provide for the implementation of an approved HIV/AIDS program, including STI and TB awareness as described in Annexures H attached to these Bills of Quantities.</p> <p>6.1.11 'The Contractor shall provide R 0,33 per man hour worked for the contracts IR Co-ordinator costs, which will be billed through the Wage Bureau.</p> <p>6.1.12 'The Contractor shall provide all associated costs in respect of Coega HCS Labour Management Procedural requirements.</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
<p>Sub-Clause 6.2</p>	<p>Sub-Clause 6.2 Rates of Wages and Conditions of Labour Add the following new sub clauses: COMPLIANCE WITH LABOUR MANAGEMENT REGULATIONS AND INDUSTRIAL RELATIONS POLICY</p> <p>6.2.1 'The Contractor shall provide for the payment of wages for the full duration of the contract via the CDC contracted Wage Bureau as described in Annexures H attached to these Bills of Quantities.</p> <p>6.2.2 'The contractor shall provide for the administration of payment to seconded hourly paid employees for the full duration of the contract via the CDC contracted Wage Bureau as described in Annexures H attached to these Bills of Quantities.</p> <p>6.2.3 'The Contractor shall provide for tool allowances for shutter hands Grades 1, 2 & 3 every 6 months for the full duration of the contract as described in Annexures attached to these Bills of Quantities.</p> <p>6.2.4 'The Contractor shall provide for a Zone Bonus upon demobilization, for all hourly paid employees employed on the Site as described in Annexures H attached to these Bills of Quantities.</p> <p>6.2.5 'The Contractor shall provide for a Limited Duration Contract Employee's Completion Benefit upon operational requirement demobilization, for all hourly paid employees employed on the Site as described in Annexures H attached to these Bills of Quantities.</p> <p>6.2.6 'The Contractor shall provide for learnerships and training.'</p> <p>6.2.7 'The Contractor shall provide for annual leave, annual bonus and sick leave payments for workers.'</p> <p>6.2.8 'The Contractor shall provide for IDZ attendance bonus.</p>
<p>Sub-Clause 6.11</p>	<p>Sub-Clause 6.11 – Disorderly Conduct Delete the full stop and add the following: “and shall indemnify and hold the Client and Engineer harmless against and from all damage, losses and expenses (including legal fees and expenses) resulting from any unlawful, riotous or disorderly conduct by or amongst the Contractor’s Personnel”.</p>
<p>Sub-Clause 8.1</p>	<p>Sub-Clause 8.1 – Commencement of Work</p> <p>(i) Replace paragraph one with “The Commencement of Works shall be the lesser of 28 days after approval by the Client of the Contractor's health and safety manual and environmental method statements, or 42 days after the date of delivery of the Letter of Acceptance.”</p> <p>(ii) In the second line, of the second paragraph, between 'Date', and 'and', insert 'but within the period stated in the Appendix to Tender subject to the Contractor having an approved project specific health and safety plan in terms of the Occupational Health and Safety Act 1993: Construction Regulations 2014 and complied with the initial requirements thereof and environmental method statements.”</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
<p>Sub-Clause 8.3</p>	<p>Sub-Clause 8.3 – Programme Add the following after Sub-Clause 8.3 (k) (v)</p> <ul style="list-style-type: none"> (l) “A baseline or target bar representing the initial agreed construction programme. The baseline will be frozen for the duration of the construction period, subject to agreed amendments, and will indicate the contractual completion date. (m) A current bar equivalent to the baseline upon commencement, but which will be subject to adjustment due to progress and other factors. (n) All milestone activities for all major events in the programme, including dependencies on factors external to the project, or which are to be arranged by the Engineer or Client. (o) All linkages between activities, to fairly represent the logic of construction. Start dates of activities should be determined by preceding activities as far as possible. Where start dates are determined by factors external to the project these are to be shown as milestones with imposed start dates and the source and reasons are to be documented. (p) Resourcing of major activities, where resourcing is critical to the duration. (q) A logical and reasonable Work Breakdown Structure for the grouping of activities. (r) The critical path of the programme. The critical path must be demonstrable in terms of good planning practice, and is not to be manipulated by constraints imposed on activities. (s) An earned value table and graph, derived from the programme, representing the projected value of work to be completed in each payment period”. (t) Production rates for all items. Any other information as specified in the document to be provided by the Contractor.”
<p>Sub-Clause 8.5</p>	<p>Sub-Clause 8.5 – Extension of Time for Completion Add the following to Sub-Clause 8.5:</p> <p>To provide for these normal weather conditions the allowance to be made by the Contractor in his programme for actual and consequential weather delays will be given in the relevant table in the specifications.</p> <p>If the Contractor has been prevented by these weather conditions from working on the critical path items of the Works, he shall notify the Engineer in writing. The submission shall be made within two calendar days of the resumption of work.</p> <p>Sub-Clause 8.5 – Extension of Time for Completion (Continued) The Engineer shall upon considering all the relevant factors determine the extension of time to be granted on the basis that an extension of time to the Contract will only be granted if the total number of days (over the full contract period) upon which work on the critical path items was prevented, exceeds the total number of days calculated in terms of the above allowance and considering the Time for Completion of the Works.</p> <p>Delays over and above these allowed for (the allowance being the sum of the days allowed for over the Time for Completion of the phase in question), whether actual or consequential due to such abnormal weather which may occur, will not automatically entitle the Contractor to an extension of time for the completion of the affected phase/s.</p>

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

Clause No	Description
	<p>Only under justifiable circumstances will such extension of time be granted. Such extension will be granted at the discretion of the Engineer who shall obtain the approval of the Client.</p> <p>Application for such extension of time shall be made in writing by the Contractor to the Engineer. The application shall set out in detail the particulars of such delays”.</p>
Sub-Clause 8.8	<p>Sub-Clause 8.8 – Delay Damages <i>After the second paragraph add the following new paragraph:</i> “If a Taking Over Certificate has been issued for a part of the Works (other than a Section), the delay damages thereafter for completion of the remainder of the Works shall be reduced in accordance with the provisions of Sub-Clause 10.2”.</p>
Sub-Clause 11.3	<p>Sub-Clause 11.3 – Extension of Defects Notification Period <i>Add the following new Sub-Clause:</i> Extension of Defects Notification Period “The latent defects liability period shall commence at the Commencement of the Works and end five (5) years from the date of Time for Completion where Time for Completion in terms of 8.2 or 8.5 is achieved. Defects that appear up to the date of Time for Completion or Extended Time for Completion shall be addressed in terms of 10.1, 10.2, 8.2 and 8.5.”</p>
Sub-Clause 12.2	<p>Sub-Clause 12.2 – Method of Measurement <i>In Sub-Clause a, between the words 'Works' and 'and' add the words:</i> 'built into its final position in the Works'</p>
Sub-Clause 12.3	<p>Sub-Clause 12.3 – Valuation of the Works <i>Replace Sub-Clause 12.3(b)(i):</i> "(b)(i) the measured quantity of the item is changed by more than 25% from the quantity of this item in the bill of quantities or other schedule" <i>Replace Sub-Clause 12.3(b)(ii):</i> “(b)(ii) this change in quantity multiplied by such specified rate for this item exceeds 0,1% of the Accepted Contract Amount.”</p>
Sub-Clause 13.1	<p>Sub-Clause 13.1 – Right to Vary <i>Replace the following: “Each variation will include”:</i> <i>In Sub-Clause 13.1(i) delete the words in parenthesis and replace with</i> “No change in the quantity of any work scheduled, where such change is not the result of a Variation Order in terms of this Sub-Clause but is the result of changes to the quantities stated in the Bill of Quantities, shall be deemed to be a Variation to which this Sub-Clause applies.”</p> <p><i>Add the following after Sub-Clause 13.1(vii):</i> “(viii) an estimated cost for the variation”.</p>
Sub-Clause 13.3	<p>Sub-Clause 13.3 – Variation Procedure</p> <p>Under 13.3.1</p> <p><i>Delete “28 days” in the second paragraph and replace with “within a period of 14 days or such extended time as agreed by the Parties”.</i></p> <p><i>Add the following new sub-clause: 13.3.1</i> 'The Engineer shall obtain the Employer's approval before issuing an instruction to execute a Variation (herein referred to as a Variation Order) if so required by the Employers Change Control Procedure.</p> <p><i>Add the following new sub-clause: 13.3.2</i></p>

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

Clause No	Description
	'No expenditure shall be incurred under a Contingency Allowance without the written approval on the Employer.'
Sub-Clause 13.4	Sub-Clause 13.4 – Provisional Sums Amend 13.4 (b) as follow, In the third line, delete the semi-colon between the words "otherwise" and "and" and insert "and including items for which a Prime Cost Sum has been provided in the Bill of Quantities".
Sub-Clause 13.5	Sub-Clause 13.5 – Day work Delete the second sentence in the second paragraph and replace with: "The following procedure shall apply" Add the following after the last paragraph of this Sub-Clause: "The work shall be valued in accordance with the Day work Schedule included in the Contract or, in the absence of a Day work Schedule or for items not included in the Day work Schedule the Contractor shall be paid the aggregate of (i) the gross remuneration of the workmen and any of the foremen for the time they are actually engaged on the work concerned, (ii) the net cost of the materials actually used, (iii) the percentage allowances stated in the Appendix, which allowance shall be held to cover all charges for the Contractor's and Subcontractor's profits, timekeeping, clerical work, insurance, establishment, superintendence and the use of hand tools, and an amount in respect of Constructional Plant which shall be charged on a time basis at the rates stated in the Tender, failing which at rates to be agreed between the Contractor and the Engineer or, failing agreement, to be determined by the Engineer on the basis of ruling plant hire rates."
Sub-Clause 13.7	Sub-Clause 13.7 – Adjustments for Change of Cost Delete this Sub-Clause and replace with the following: "The value of certificates issued in terms of Sub-Clause 14.6 (excluding the value of those special materials specified in the Forms to be Completed by Bidders) shall be increased or decreased by applying a "Contract Price Adjustment Factor" calculated according to the formula and the conditions set out in the Contract Price Adjustment Schedule appended to these Particular Conditions (Appendix B). Price adjustments for variations in the costs of special materials specified in the Appendix to Tender shall be in the manner set out in the Contract Price Adjustment Schedule".
Sub-Clause 14.3	Sub-Clause 14.3 – Application for Interim Payment Certificates (i) In the first line of the first paragraph replace "in six copies" with "two copies" (ii) In 14.3(c) delete the fourth and fifth lines "which shall include the report on the progress during the month in accordance with Sub-Clause 4.20 (Progress Reports)" Sub-Clause 14.3 – Application for Interim Payment Certificates (Continued) (iii) Add the following to paragraph (iii) of this Sub-Clause: "If, as stated in the Appendix to Tender, a Retention Money Guarantee is permitted and the Contractor elects to furnish it, the guarantee shall, at the cost of the Contractor, be executed by an Insurance Company or Bank in the form approved by the Client. The said Company or Bank shall be registered or licensed to do business in the Republic of South Africa and shall have an Office and Banking Facility in the Republic of South Africa and shall be

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

Clause No	Description
	<p>subject to approval by the Client.</p> <p>The aggregate liability under the guarantee shall be the maximum amount of retention monies to be retained by the Client, which amount shall be as stated in the Appendix to Tender.</p> <p>Other conditions, if any, additional to the above standard conditions shall be as stated in the Appendix to Tender.</p> <p>The guarantee shall expire 28 days after the date on which the last of the retention monies (which, but for the guarantee, would have been retained by the Client) becomes payable to the Contractor.</p> <p>The guarantee shall be returned upon final payment of the aggregate liability or on the date of expiry, whichever is the earlier."</p>
Sub-Clause 14.7	<p>Sub-Clause 14.7 – Payment Delete paragraphs (a), (b), (c) and the final paragraph and replace with: (a) "The amount certified in each interim Payment Certificate within 30 days after the Employer receives this Payment Certificate."; and (b) The amount certified in the Final Payment Certificate within 30 days after the Employer receives this Payment Certificate."</p>
Sub-Clause 14.8	<p>Sub-Clause 14.8 – Delayed Payment Delete the second paragraph and replace with: "These financing charges shall be at the rate as prescribed in terms of the Prescribed Rate of Interest Act No 55 of 1975."</p>
Sub-Clause 14.10	<p>Sub-Clause 14.10 – Statement at Completion In the first line of the first paragraph change "84 days" to "30 days"</p>
Sub-Clause 14.11	<p>Sub-Clause 14.11 – Final Statement 14.11.1 Change "56 days" to "30 days"</p>
Sub-Clause 16.1	<p>Sub-Clause 16.1 – Suspension by Contractor</p> <p>In the first paragraph of this sub-clause change "21 days" to "14 days".</p>
Sub-Clause 18.1	<p>Sub-Clause 18.1 – Exceptional Events Under (c), add the following: "unless these risks are insurable with the South African Special Risk Insurance Association at the time of tendering and it is stipulated in the Appendix to Tender that the Contractor is to effect insurance against these risks".</p>
Sub-Clause 19.1	<p>Sub-Clause 19.1 – General Requirements Replace the above clause with the following: "19.1.1 Insurance Effected by the Client. 19.1.1.1 Without limiting the obligations liabilities or responsibilities of the Contractor in any way whatsoever (including but not limited to any requirement for the provision by the Contractor of any other insurances) the Client shall effect and maintain as appropriate the following insurances which are subject to the terms limits exceptions and conditions of the Policy: a) CONTRACT WORKS Insurance - which will provide cover against accidental physical loss of or damage to the Works, Temporary Works and materials intended for incorporation in the Works. b) SASRIA SPECIAL RISKS Insurance - in respect of riot</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>and associated risks of damage to the Works, Temporary Works and materials intended for incorporation in the Works.</p> <p>c) PUBLIC LIABILITY Insurance - which will provide indemnity against legal liability of the Client or the Contractor in the event of accidental death of or injury to third party persons and/or accidental loss of or damage to third party property arising directly from the execution of the contract and occurring during the period of insurance with a limit of indemnity of not less than the amount specified in the Appendix in respect of all claims arising from any one occurrence or series of occurrences consequent on or attributable to one source or original cause.</p> <p>19.1.1.2 The Client shall pay any premium due in connection with the insurance effected by the Client.</p> <p>19.1.1.3 The Contractor shall not include any premium charges for this insurance except to the extent that he may deem necessary in his own interests to effect supplementary insurance to the insurance effected by the Client. The Client reserves the right to call for full information regarding insurance costs included by the Contractor.</p> <p>19.1.1.4 Any further clarification of the scope of cover provided by the Policies arranged by the Client should be obtained from the Client.</p> <p>19.1.1.5 In the event of any occurrence which is likely to or could give rise to a claim under the insurances arranged by the Client the Contractor shall:</p> <p>a) in addition to any statutory requirement or other requirements contained in the Contract within 24 hours notify the Client by telephone followed by written notification or telefax giving the circumstances, nature and an estimate of the loss or damage or liability complete a Claims Advice Form available from the Client to whom the form must be returned within 7 days.</p> <p>b) negotiate the settlement of claims with the Insurers through the Client's Insurance Brokers and shall when required to do so obtain the Clients approval of such settlement.</p> <p>The Client and Insurers shall have the right to make all and any enquiries on the site of the Works or elsewhere as to the cause and results of any such occurrence and the Contractor shall co-operate in the carrying out of such enquiries.</p> <p>Sub-Clause 19.1 – General Requirements for Insurances (Continued)</p> <p>19.1.1.6 The Contractor will be liable for the amount of the Deductible (First Amount Payable) in respect of any claim made by or against the Contractor or Subcontractors under the insurances effected by the Client.</p> <p>Where more than one Contractor is involved in the same claim the Deductible will be borne in pro-rata amounts by each Contractor in proportion to the extent of each Contractor's admitted claim.</p> <p>The maximum Deductibles (First Amount Payable) for open trenches</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>and road layer works claims for which Contractors are responsible and which are applicable in respect of each and every occurrence or series of occurrences attributable to one source or original cause giving rise to loss or damage or liability indemnifiable shall be as follows:</p> <p>CONTRACT WORKS (OPEN TRENCH LIMITATION) In respect of loss or damage arising in the event of a 1,000 meter long trench limitation being exceeded in respect of any one contract then the deductible shall be as follows:</p> <p>Exposed length exceeding 1,000 meters but not exceeding 2,500 meters - additional deductible 15.00% of loss; minimum R25,000.00</p> <p>Exposed length exceeding 2,500 meters but not exceeding 5,000 meters - additional deductible 15.00% of loss; minimum R50,000.00</p> <p>In respect of loss or damage to trench exposed by the Insured exceeding 5,000 meters in length the Insurers shall only be liable for amounts associated with a maximum of 5,000 meters of such exposed trench</p> <p>CONTRACT WORKS (OPEN BASE COURSE SUB-BASE COURSE OR LAYER WORKS LIMITATION)</p> <p>In respect of loss or damage arising in the event of a 10,000 square meters open base course sub-base course or layer works limitation being exceeded in respect of any one contract then the deductible shall be as follows:</p> <p>Exposed base course sub-base course or layer works exceeding 10,000 meters but not exceeding 25,000 square meters -additional deductible 15.00% of loss; minimum R25,000.00.</p> <p>Exposed base course sub-base course or layer works exceeding 25,000 square meters but not exceeding 50,000 square meters - additional deductible 15.00% of loss; minimum R50,000.00</p> <p>In respect of loss or damage to base course sub-base course or layer works exposed by the Insured exceeding 50,000 square meters the Insurers shall only be liable for amounts associated with a maximum of 50,000 square meters of such exposed base course sub-base course or layer works</p> <p>Sub-Clause 19.1 – General Requirements for Insurances (Continued) 19.1.1.7 Any amount which becomes payable to the Contractor or any of his Subcontractors as a result of a claim under the Contract Works Insurance shall if required by the Client be paid net of the Deductible to the Client who shall pay the Contractor from the proceeds of such payment upon rectification repair or reinstatement of the loss or damage but this provision shall not in any way affect the Contractor's obligations liabilities or responsibilities in terms of the Contract.</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>In respect of any amount which becomes payable as a result of a claim under the Public Liability Insurances the Contractor or his Subcontractors shall be required to pay the amount of the Deductible to the Insurer to facilitate settlement of such claim.</p> <p>19.1.2 Insurance Effected by the Contractor.</p> <p>19.1.2.1 The Contractor and Subcontractor shall where applicable provide as a minimum the following:</p> <ul style="list-style-type: none"> a) Insurance of Contractor's and Engineer's equipment (including tools offices and other temporary structures and contents) and other things (except those intended for incorporation into the Works) brought onto the site for a sum sufficient to provide for their replacement. b) Insurance in terms of the provisions of the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 as may be amended. c) Where the Contract involves manufacturing and/or fabrication of the Works or parts thereof at premises other than at the Contract Site the Contractor shall satisfy the Client that all materials and equipment for incorporation in the Works are adequately insured during manufacture and/or fabrication. In the event of the Client having an insurable interest in such Works during manufacture or fabrication then such interest shall be noted by endorsement to the relevant Policies of Insurance. d) Where design work is undertaken by or on behalf of the Contractor the Contractor shall satisfy the Client that Professional Indemnity Insurance in respect of liability arising from any act omission or neglect in such design work has been arranged. The limit of indemnity under this insurance shall be two times the professional fee. This insurance shall remain in force after completion of this Contract for a period of three years. <p>19.1.2.2 The insurances to be provided by the Contractor and his Subcontractor shall be effected with Insurers and on terms approved by the Client (which approval shall not be unreasonably withheld) and shall be maintained in force for the duration required (including any period of maintenance). The Contractor shall within fourteen (14) days of commencement of the contract produce to the Client the relevant Policy or Policies of Insurance.</p> <p>19.1.2.3 In the event that the Contractor or his Subcontractor receives any notice of cancellation or restrictive modification to the insurance provided to them they shall immediately notify the Client in writing of such cancellation or restriction and shall advise what action the Contractor or his Subcontractor will take to remedy such action.</p> <p>Sub-Clause 19.1 – General Requirements for Insurances (Continued)</p> <p>If the Contractor fails to effect and keep in force the insurances referred to then the Client may effect and keep in force any such insurances and pay such premium or premiums as may be necessary for that purpose and from time to time deduct the amount paid by the Client from any monies due or which may become due to the Contractor or recover same as a debt from the Contractor.</p>

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ**

Clause No	Description
	<p>19.1.3 Sub-Contractors The Contractor shall:</p> <p>a) ensure that all potential and appointed Subcontractors are aware of the whole contents of clause 19.1.2, and enforce the compliance by Subcontractors with this clause where applicable.”</p>
Sub-Clause 19.2.4	<p>Sub-Clause 19.2.4 –Injury to Persons and Damage to Property Amend the third paragraph as follows: (i) In the last line, after the word “amount”, insert “(if any)” Delete the last sentence.</p>
Sub-Clause 19.2.6	<p>Sub-Clause 19.2.6 – Other insurances required by Laws and by local practice Add the following paragraph: “The Contractor shall provide proof that he has paid all contributions required in terms of the Compensation for Occupational Injuries and Diseases Act (Act No 130 of 1993)”.</p>
Sub-Clause 19.5	<p>Sub-Clause 19.5 – Force Majeure Affecting Subcontractors Amend this Sub-Clause as follows: (i) Amend the title to read “19.5 Force Majeure Affecting Subcontractors and Suppliers” (ii) Add the following paragraph: “In the event that a Contractor is prevented from performing any of his obligations under the Contract as a result of Force Majeure which prevented a Supplier from meeting its obligations to supply the Contractor or his Subcontractors the Contractor shall not be entitled to any relief under this Clause.”</p>
Sub-Clause 21.1	<p>Sub-Clause 21.1 – Constitution of the DAAB <i>Replace Sub-Clause 21.1 heading with:</i> “Sub-Clause 21.1 Appointment of Mediator” Delete the entire Sub-Clause 21.1 and substitute with the following: “Disputes shall be mediated by a Mediator in accordance with Sub-Clause 20.4 (Obtaining the Mediator’s Opinion). The Parties shall jointly appoint a Mediator to resolve any dispute. If the Parties do not agree otherwise, the Mediator shall comprise of three persons. Where the dispute is submitted to Mediation, the following shall apply: 21.1.1The Parties shall agree on and appoint the Mediator within ten (10) working days of the date on which the dispute was declared. Whether or not the mediation resolves the dispute, the Parties shall bear their own costs concerning the mediation and share the costs of the Mediator and related cost equally. 21.1.2The Mediator shall agree the procedures, representation and dates for the mediation process with the Parties. The Mediator may meet the Parties together or individually to help reach a settlement. Where the Parties reach settlement of the dispute or any part thereof, the Mediator shall record such agreement and on signing thereof by the Parties, the agreement shall be final and binding.”</p>
Sub-Clause 21.2	<p>Sub-Clause 21.2 – Failure to Appoint DAAB Member(s) <i>Replace Sub-Clause 21.2 heading with:</i> “Sub-Clause 21.2 Failure to Agree on the Mediator” Delete the entire Sub-Clause 21.2 and substitute with the following: Should the Parties fail to agree on the appointment of the mediator, the Chairman of the Association of Arbitrators (South Africa) shall appoint the Mediator on request of any of the Parties”</p>
Sub-Clause 21.4	<p>Sub-Clause 20.4 – Obtaining DAAB’s Decision <i>Replace Sub-Clause 21.4 heading with:</i> “Sub-Clause 20.4 Obtaining the Mediator’s Opinion”</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Clause No	Description
	<p>Amend Sub-Clause 20.4 as follows: “In the first paragraph, 4th line, replace reference to “DAB for its decision” to read “Mediator for its opinion”.</p> <p>Delete the second paragraph and replace with “For a 3 person mediation tribunal, the Mediator shall be deemed to have received such reference on the date when it is received by the chairman of the mediation tribunal.</p> <p>Amend the third paragraph first and second sentence by replacing the references to “DAB” with references to “Mediator” and first sentence reference to “decision” to read “opinion”.</p> <p>Amend the fourth paragraph first sentence by replacing the references to “DAB” with references to “Mediator” and first and second sentence references to “decision” to read “opinion”.</p> <p>Amend the fifth paragraph first and second sentences by replacing the references to “DAB’s” with a references to “Mediator’s” and references to “decision” to read “opinion” and in the second sentence by replacing the reference to “DAB” with reference to “Mediator”.</p> <p>Amend the sixth paragraph second sentence by replacing the reference to “Dispute Adjudication Board’s Decision” with the reference to “Mediator’s Opinion” and reference to “Dispute Adjudication Board’s” with the reference to “Mediator’s”.</p> <p>Amend the seventh paragraph first sentence by replacing the references to “DAB” with references to “Mediator” and references to “decision” to read “opinion”.</p>
Sub-Clause 21.7	<p>Sub-Clause 21.7 – Failure to Comply with DAAB’s Decision Replace Sub-Clause 21.7 heading with: “Sub-Clause 21.7 Failure to Comply with the Mediator’s Opinion”</p> <p>Amend Sub-Clause 21.7 as follows: Amend the first paragraph (a) sentence by replacing the reference to “Dispute Adjudication Board’s” with the reference to “Mediator’s”. Amend the first paragraph (b) sentence by replacing the reference to “DAB’s” with reference to “Mediator’s”. Amend the second paragraph by replacing the reference to “Dispute Adjudication Board’s” with the reference to “Mediator’s”.</p>
Sub-Clause 21.8	<p>Sub-Clause 21.8 – No DAAB In Place Delete this Sub-Clause.</p>
New Sub-Clause 22.0	<p>Sub-Clause 22.0 – Labour-Intensive Methods and Requirements Add the following new Sub-Clause: The Contractor's attention is drawn that this is a labour intensive contract and the contractor is to utilise Labour - Intensive Methods were ever possible. All requirements of the aforementioned are to be priced hereunder and no additional claims in this regard will be entertained.</p>



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

C 1.3.1 PERFORMANCE GUARANTEE

Brief description of Contract CONSTRUCTION OF A 15 ML REINFORCED CONCRETE RETURN EFFLUENT RESERVOIR AT COEGAKOP

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)



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

C1.3.2 AGREEMENT IN TERMS OF THE OCCUPATIONAL HEALTH AND SAFETY 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/488/24 – CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ"** 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 in order 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 in accordance with 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



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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:
 - (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 to all his 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 in accordance with the Act.
5. The Mandatory is responsible for the 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.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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

(INCAPITALS)

SIGNED FOR AND ON BEHALF OF THE MANDATORY:

WITNESS 1..... 2

NAME 1 2

(INCAPITALS)



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

C1.3.3 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.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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 _____

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.



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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.....



COEGA DEVELOPMENT CORPORATION (PTY) LTD
CONTRACT No. CDC/488/24

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE
5 OF THE COEGA SEZ**

PART C2: PRICING DATA



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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 in accordance with 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 in 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.

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ****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, with the exception of 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" appears 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 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 in 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 of 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



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

Note to Quantity Surveyor

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 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 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 Quantity Surveyor

After pricing of 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 & Environmental Specifications.** Failure, by the Bidder, to sign the Certificate of Acquaintance may result in the Tender being deemed non-responsive.



C2.2 PRICING SCHEDULE

See Schedule of Quantities:

- **Schedule 1: Preliminary and General**
- **Schedule 2: Provisional Sums, Dayworks & Temporary Works**
- **Schedule 3: Occupational Health & Safety & Environmental Management**
- **Schedule 4: 15ML Return Effluent Reservoir**
- **Schedule 5: Lightning Protection & Earthing Installation**
- **Schedule 6: Cathodic Protection**
- **Summary of Schedules**



CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE 5 OF THE COEGA SEZ

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

Contractors Signature

I.D of Signatory



COEGA DEVELOPMENT CORPORATION (PTY) LTD

CONTRACT No. CDC/488/24

**CONSTRUCTION OF A 15ML RETURN EFFLUENT REINFORCED CONCRETE RESERVOIR AT COEGAKOP IN ZONE
5 OF THE COEGA SEZ**

SCHEDULE OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.1	SABS 1200 A, PSA.	PRELIMINARY AND GENERAL FIXED CHARGED ITEMS				
1.1.1		CONTRACTUAL REQUIREMENTS				
1.1.1.1	8.3.1	Contractual Requirements for the duration of the Contract	Sum	1.00		
1.1.2	8.3.2.1	ESTABLISH FACILITIES ON THE SITE (SABS 1200 AB):				
1.1.2.1	8.3.2.1 (a), PSAB 3.2	Furnished office building for Engineer including parking	Sum	1.00		
1.1.2.2	8.3.2.1 (b), PSAB 4.1	Airtime and wireless internet facilities for Engineer and Employer	Sum	1.00		
1.1.2.3	PSAB 3.2, C3.4.11	Furnished office building for the Employer including parking	Sum	1.00		
1.1.2.4	PSAB 3.2	Meeting room facilities	Sum	1.00		
1.1.2.5	PSAB 5.5	Survey assistants and equipment	Sum	1.00		
1.1.2.6	C3.4.11	Project name board (2 No.) as per CDC Requirements	Sum	2.00		
1.1.2.7	C3.4.11	Ablution facilities for Engineer and Employer	Sum	1.00		
1.1.3	8.3.2.2	ESTABLISH FACILITIES ON THE SITE FOR CONTRACTOR:				
1.1.3.1	8.3.2.2 (a)	Offices & storage sheds	Sum	1.00		
1.1.3.2	8.3.2.2 (b)	Workshops	Sum	1.00		
1.1.3.3	8.3.2.2 (c)	Laboratories, materials, testing equipment and facilities	Sum	1.00		
1.1.3.4	8.3.2.2 (e)	Ablution & latrine facilities	Sum	1.00		
1.1.3.5	8.3.2.2 (f)	Tools & equipment	Sum	1.00		
1.1.3.6	C3.1.4, C3.4.10, C3.4.17, 8.3.2.2 (g)	Water supplies, electric power and communications	Sum	1.00		
1.1.3.7	C3.1.4, 8.3.2.2 (h), PSA 8.8.7 PSD 5.1.3	Dealing with water, inclusive of stormwater management plan for construction purposes	Sum	1.00		
1.1.3.8	8.3.2.2 (i)	Access	Sum	1.00		
1.1.3.9	8.3.2.2 (j)	Plant	Sum	1.00		
1.1.3.10	8.3.4	Removal of site establishment	Sum	1.00		
1.1.3.11	PSA 8.3.5	De-establishment of site (provisional quantity)	Sum	1.00		
1.1.3.12	PSA 8.3.6	Re-establishment on site (provisional quantity)	Sum	1.00		
1.1.3.13	C3.1.4 C3.5.9	Site security for the duration of the contract	Sum	1.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 1: Preliminary & General

Section 1.1: Fixed Charge Items

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
1.1.4		OTHER FIXED-CHARGE OBLIGATIONS:				
1.1.4.1	C3.1.4, C3.4.8, C3.5.1, 3.5.10, COEGA-SBU-SPE C-202-24 COEGA-SBU-SPE C-202-24	Contractors responsibility in terms of the Environmental Management Plan for the duration of the Contract	Sum	1.00		
1.1.4.2	C3.5.1	Contractor's responsibility in terms of Quality Assurance, Construction Records, method statements and Construction Dossier	Sum	1.00		
1.1.4.3	SANS 1921 Vol2	Contractor's responsibility in terms of 24 hour Response Teams	Sum	1.00		
1.1.4.4	SANS 1921 Volume 2 C3.1.4, C3.4.12, C3.5.1, C3.5.6, C3.5.7	Contractor's responsibility in terms of Traffic Safety Officers, Traffic management, safety and security	Sum	1.00		
1.1.4.5	Coega/HR/IRIDZ/0 01 Rev F. 11.06.02	Contractor's responsibility in terms of their obligations for the implementation of the Industrial Relations Steering Committee (IRSC).	Sum	1.00		
1.1.4.6	Coega/HR/IRIDZ/0 01 Rev F. 11.06.02	Contractor's responsibility in terms of their obligations for the implementation of the Industrial Relations Co-ordinating Committee (IRCC).	Sum	1.00		
1.1.4.7	C5.9 SMME S pecification	Contractor's responsibility in terms of management and coordination of SMME contractors	Sum	1.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 1: Preliminary & General

Section 1.2: Time Related Items

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.2	SABS 1200 A, PSA	PRELIMINARY AND GENERAL TIME RELATED ITEMS				
		<i>Operation and maintenance of facilities on site, for duration of construction, except where otherwise stated:</i>				
1.2.1		CONTRACTUAL REQUIREMENTS				
1.2.1.1	8.4.1	Contractual Requirements for the duration of the Contract	Sum	1.00		
1.2.2	8.4.2.1	FACILITIES FOR ENGINEER FOR DURATION OF CONSTRUCTION (SABS 1200 AB):				
1.2.2.1	8.4.2.1 (a), PSAB 3.2	Furnished offices for Engineer and Employer including parking	Sum	1.00		
1.2.2.2	8.4.2.1 (b), PSAB 4.1	Airtime and wireless internet for Engineer and Employer	Sum	1.00		
1.2.2.3	PSAB 3.2	Meeting room facilities	Sum	1.00		
1.2.2.4	PSAB 5.5	Survey assistants and equipment	Sum	1.00		
1.2.2.5	C3.4.11	Ablution facilities for Engineer and Employer	Sum	1.00		
1.2.3	8.4.2.2	FACILITIES FOR CONTRACTOR FOR DURATION OF CONSTRUCTION:				
1.2.3.1	8.4.2.2 (a)	Offices & storage sheds	Sum	1.00		
1.2.3.2	8.4.2.2 (b)	Workshops	Sum	1.00		
1.2.3.3	8.4.2.2 (c)	Laboratories, materials, testing equipment and facilities	Sum	1.00		
1.2.3.4	8.4.2.2 (e)	Ablution & latrine facilities	Sum	1.00		
1.2.3.5	8.4.2.2 (f)	Tools & equipment	Sum	1.00		
1.2.3.6	C3.1.4, C3.4.10, C3.4.17, 8.4.2.2 (g)	Water supplies, electric power and communications	Sum	1.00		
1.2.3.7	C3.1.4, 8.4.2.2 (h), PSA 8.8.7	Dealing with water, inclusive of stormwater management plan for construction purposes	Sum	1.00		
1.2.3.8	8.4.2.2 (i)	Access	Sum	1.00		
1.2.3.9	8.4.2.2 (j)	Plant	Sum	1.00		
1.2.3.10	8.4.3, COEGA-SBU-SPE C-201-24 4.1.1	Supervision for the duration of the Contract	Sum	1.00		
1.2.3.11	PSA 8.4.4	Company and head office overhead costs for the duration of the Contract	Sum	1.00		
1.2.3.12	C3.1.4 C3.5.9	Site security for the duration of the contract	Sum	1.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 1: Preliminary & General

Section 1.2: Time Related Items

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
1.2.3.13	C3.4.11	Transportation for local labor from the Motherwell area to the reservoir site for the full construction period.	Sum	1.00		
1.2.4	8.4.5	OTHER TIME RELATED OBLIGATIONS:				
1.2.4.1	CR 8(5), COEGA-SBU-SPE C-201-24 4.1.2	Contractor's responsibilities and provision of a full-time SACPCMP registered independant Construction Health and Safety Officer. This item is to include for the appointment and payment of an Health & Safety Officer(s) for the duration of the Contract. The Employer's approval is required prior to the apointment of the Health &Safety Officer.	Sum	1.00		
1.2.4.2	C3.1.4, C3.4.8, C3.5.1, C3.5.10, COEGA-SBU-SPE C-202-24 CDC-OP-SPC-003 -14 Rev 4	Contractors responsibility in terms of the Environmental Management Plan for the duration of the Contract	Sum	1.00		
1.2.4.3	C3.5.1	Contractor's responsibility in terms of Quality Assurance, Construction Records, method statements and Construction Dossier	Sum	1.00		
1.2.4.4	SANS1921 Vol2	Contractor's responsibility in terms of 24 hour Response Teams	Sum	1.00		
1.2.4.5	C3.1.4, C3.4.12, C3.5.1, C3.5.6, C3.5.7, SANS 1921 Volume 2	Contractor's responsibility in terms of Traffic Safety Officers, Traffic management, safety and security	Sum	1.00		
1.2.4.6	C3.1.4 C3.4.8 C3.5.1 C3.5.10 COEGA-SBU-SPE C-202-24 CDC-OP-SPC-003 -14 Rev 4	Contractor's responsibilites and provision of Environmental Control Officer(s). This item is to include for the appointment and payment of the Environmental Control Officer(s) for the duration of the Contract. The Employer's approval is required prior to the apointment of the ECO.	Sum	1.00		
1.2.4.7	CDC-SBU-SPC-20 2-24 5.14 C3.1.4 PSA 8.8.7 PSD 5.1.3	Contractor's responsibility in terms of the Storm Water Management Plan and dealing with water	Sum	1.00		
1.2.4.8	SANS 1921, C3.4.9	Protection of known Services	Sum	1.00		
1.2.4.9	C3.4.9	Location of all services and proving of same as well as updating of existing records of services.	Sum	1.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 1: Preliminary & General

Section 1.3: Other Preliminary & General Items

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.3		OTHER PRELIMINARY AND GENERAL ITEMS				
1.3.1		Allowance for fully furnished and serviced accommodation for the Engineer and the Engineers assistant for the duration of the Contract. Allow a minimum sum of R 600 000.00.	Sum	1.00		
		FACTORY ACCEPTANCE TESTING AND INSPECTIONS				
1.3.2		FACTORY INSPECTIONS OF PIPEWORK AND VALVES				
		The Contractor shall allow for and co-ordinate the following factory witness inspections by the Engineer and Employer, including travel and accomodation:				
1.3.2.1		Factory witness inspections and acceptance of pipework specials for the entire Contract including test reports	Sum	1.00		
1.3.2.2		Factory witness inspections and acceptance of flow meters for the entire Contract including test reports	Sum	1.00		
1.3.2.3		Factory witness inspections and acceptance of gate valves for the entire Contract including test reports	Sum	1.00		
1.3.2.4		Factory witness inspections and acceptance of hydraulic control valves for the entire Contract including test reports	Sum	1.00		
1.3.2.5		Factory witness inspections and acceptance of air valves for the entire Contract including test reports	Sum	1.00		
1.3.2.6		Inspection of couplings and flange adaptors for compliance to specifications	Sum	1.00		
1.3.3		AS-BUILTS AND DOCUMENTATION				
1.3.4	PS 5.12.5	AS-BUILTS				
		Site As-Built Survey for:				
1.3.4.1	PS 5.12.5	Reservoir including cables, conduits, pipework, stormwater pipes, manholes and other electrical equipment installed under the Contract.	Sum	1.00		
1.3.5		DOCUMENTATION				
1.3.5.1		Provision of full set of dimensioned marked up Record Drawings in A0 Hardcopy and Electronic PDF format	Sum	1.00		
1.3.5.2		Provide as-built drawings and wiring diagrams of the complete lightning protection and earthing installation	Sum	1.00		
1.3.5.3		Provide as-built drawings and wiring diagrams of all electronic flow meters	Sum	1.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 1: Preliminary & General

Section 1.3: Other Preliminary & General Items

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
	PS 5.26	Prepare and submit Operation and Maintenance Manuals to the Employer's Agent's satisfaction, for:				
1.3.5.4		Providing 2 draft copies of the Installation, Operation and Maintenance Manual complete with instrumentation system to the Engineer's acceptance prior to commissioning of the Works; until acceptance	Sum	1.00		
1.3.5.5		Providing 5 final copies of the Installation, Operation and Maintenance Manual complete with instrumentation system to the Engineer's approval after commissioning prior to Issuing of Practical Completion Certificate (hard copy + Electronic PDF format)	Sum	1.00		
1.3.6		TESTS AND COMMISSIONING				
1.3.7		ELECTRICAL				
1.3.7.1	PS MEI 12, LPE 9.0	Guarantee and full maintenance of the Electrical Installation system for 12 months after Practical Completion and handover to the Client.	Sum	1.00		
1.3.7.2	PS MEI 12.26	Test the entire installation including issue of the Certificate of Compliance certificates in accordance with SANS 10142	Sum	1.00		
1.3.8		MECHANICAL				
1.3.8.1		Guarantee and Maintenance of complete mechanical installation for 12 months after Practical Completion and handover to the Client.	Sum	1.00		
1.3.8.2		Test and commission the entire mechanical installation.	Sum	1.00		
1.3.9		INSTRUMENTATION				
1.3.9.1	LPE 4.0	Guarantee and full maintenance of the Instrumentation Installation system for 12 months after Practical Completion and handover to the Client.	Sum	1.00		
1.3.9.2	LPE 4.0	Test and commission complete instrumentation installation as specified comprising the following:	Sum	1.00		
		a) Develop Site Acceptance Test (SAT) Schedule				
		b) Draft submission to Engineer				
		c) Revisions as required				
		d) Contractor's testing (labour and special test requirements)				
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.1	SABS 1200 A	PROVISIONAL SUMS				
2.1.1		GENERAL				
2.1.1.1		Provisional sum for Concrete cube strength and durability tests ordered by the Engineer	Prov Sum	1.00	75 000.00	75 000.00
2.1.1.2		Overheads, charges and profit on above item	%	75 000.00		
2.1.1.3	PSD 8.3.7	Provisional sum for Additional lateral support where ordered by the Engineer (provisional)	Prov Sum	1.00	200 000.00	200 000.00
2.1.1.4		Overheads, charges and profit on above item	%	200 000.00		
2.1.1.5	COEGA-SBU-SPE C-201-24	Provisional sum for Occupational Hygiene AIA survey of noise, light, ventilation and ergonomic stressors	Prov Sum	1.00	100 000.00	100 000.00
2.1.1.6		Overheads, charges and profit on above item	%	100 000.00		
2.1.2		EQUIPMENT FOR THE ENGINEER AND EMPLOYER				
2.1.2.1		Provisional sum for Computer equipment (Software and Hardware) for the Engineer	Prov Sum	1.00	100 000.00	100 000.00
2.1.2.2		Overheads, charges and profit on above item	%	100 000.00		
2.1.2.3		Provisional sum for Photography equipment (Software and Hardware) for aerial drone photos and videos	Prov Sum	1.00	50 000.00	50 000.00
2.1.2.4		Overheads, charges and profit on above item	%	50 000.00		
2.1.2.5		Provisional sum for Additional Quality Control Equipment for use by the Engineer	Prov Sum	1.00	50 000.00	50 000.00
2.1.2.6		Overheads, charges and profit on above item	%	50 000.00		
2.1.2.7		Provisional sum for Insurance of all equipment supplied under this Contract for the Engineer and Employer	Sum	1.00	60 000.00	60 000.00
2.1.2.8		Overheads, charges and profit on above item	%	60 000.00		
2.1.3		FOR WORK TO BE DONE BY A SELECTED SUB-CONTRACTOR (OR THE EMPLOYER)				
2.1.3.1		Provisional sum for the appointment of an Independent Third Party Inspection Authority	Prov Sum	1.00	150 000.00	150 000.00
2.1.3.2		Overheads, charges and profit on above item	%	150 000.00		
2.1.3.3		Provisional sum for Additional Testing of steel pipework, coatings, linings, welds and valves including non-destructive testing, hydraulic testing where ordered by the Engineer	Prov Sum	1.00	75 000.00	75 000.00
2.1.3.4		Overheads, charges and profit on above item	%	75 000.00		
2.1.3.5	C3.4.9, SANS 1921	Provisional sum for Relocation of existing services, where ordered by the Engineer	Prov Sum	1.00	75 000.00	75 000.00
2.1.3.6		Overheads, charges and profit on above item	%	75 000.00		
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
2.1.3.7	C3.4.9, SANS 1921	Provisional sum for Repairs to damaged unknown telecommunications, electrical, water, sewer, stormwater or other services which could not have been reasonably foreseen or prevented by the Contractor	Prov Sum	1.00	50 000.00	50 000.00
2.1.3.8		Overheads, charges and profit on above item	%	50 000.00		
2.1.3.9		Provisional sum for Reinstatement of Road markings and Traffic signs where ordered by the Engineer	Prov Sum	1.00	15 000.00	15 000.00
2.1.3.10		Overheads, charges and profit on above item	%	15 000.00		
2.1.3.11		Provisional sum for Additional Survey where ordered by the Engineer	Prov Sum	1.00	75 000.00	75 000.00
2.1.3.12		Overheads, charges and profit on above item	%	75 000.00		
2.1.3.13		Provisional sum for Additional Geotechnical Investigation where ordered by the Engineer	Prov Sum	1.00	75 000.00	75 000.00
2.1.3.14		Overheads, charges and profit on above item	%	75 000.00		
2.1.3.15		Provisional sum for the additional specialist Engineering Services	Prov Sum	1.00	150 000.00	150 000.00
2.1.3.16		Overheads, charges and profit on above item	%	150 000.00		
2.1.3.17		Provisional sum for assessment and refurbishment of existing Reservoir and Chambers and pipeline ancillaries, including water tightness testing of existing 15ML reservoir.	Prov Sum	1.00	1 750 000.00	1 750 000.00
2.1.3.18		Overheads, charges and profit on above item	%	1 750 000.00		
2.1.3.19		Overheads, charges and profit on above item	%	500 000.00		
2.1.3.20	Gazette, CIDB Build	Allowance for mentorship of 4 student technicians for the duration of the Contract	Prov Sum	1.00	2 000 000.00	2 000 000.00
2.1.3.21		Overheads, charges and profit on above item	%	2 000 000.00		
2.1.3.22		Allowance for CDC Overhead costs	Prov Sum	1.00	1 200 000.00	1 200 000.00
2.1.3.23		Overheads, charges and profit on above item	%	1 200 000.00		
2.1.3.24		Allowance for rehabilitation of existing gravel access road	Prov Sum	1.00	500 000.00	500 000.00
2.1.3.25		Overheads, charges and profit on above item	%	500 000.00		
Total Carried Forward To Summary						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.2	SABS 1200 A, PSA	DAYWORKS				
2.2.1	8.7, PSA 8.7	LABOUR				
2.2.1.1		Foreman	hr	100.00		
2.2.1.2		Semi-skilled	hr	630.00		
2.2.1.3		Unskilled	hr	2 275.00		
2.2.1.4		Surveyor with transport, instruments and labour	hr	100.00		
2.2.2	8.7, PSA 8.7	PLANT				
2.2.2.1		CAT 930 (75kW) or similar	hr	150.00		
2.2.2.2		Other (Contractor to specify)	hr	150.00		
		Bulldozer with ripper:				
2.2.2.3		CAT D6 or similar	hr	150.00		
2.2.2.4		CAT D7 or similar	hr	150.00		
2.2.2.5		CAT D8 or similar	hr	150.00		
2.2.2.6		CAT D8 or similar with Sideboom	hr	150.00		
		Motor Grader:				
2.2.2.7		110 kW	hr	300.00		
2.2.2.8		Other (Contractor to specify)	hr	150.00		
		Tip Truck:				
2.2.2.9		10m ³	hr	250.00		
2.2.2.10		6m ³	hr	350.00		
2.2.2.11		Other (Contractor to specify)	hr	300.00		
		Backactor:				
2.2.2.12		100kW, 23 ton	hr	150.00		
2.2.2.13		30 ton	hr	150.00		
2.2.3		TLB	hr	150.00		
2.2.3.1		Other (Contractor to specify)	hr	150.00		
		Compactors:				
2.2.3.2		Self propelled vibrating roller, 9 ton	hr	150.00		
2.2.3.3		Bomag 60 or similar	hr	300.00		
2.2.3.4		Plate compactor	hr	300.00		
2.2.3.5		Other (Contractor to specify)	hr	150.00		
2.2.3.6		Pneumatic Roller	hr	150.00		
		Water Tankers:				
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
2.2.3.7		Water Tanker 12000 litres	hr	150.00		
2.2.3.8		Water Tanker 9000 litres	hr	150.00		
Self propelled Crane:						
2.2.3.9		20 Tonne	hr	150.00		
2.2.3.10		40 Tonne	hr	150.00		
2.2.3.11		Generator and Breaker 5KVA	hr	100.00		
2.2.3.12		Water/Sludge Pump 50mm	hr	100.00		
Welding Equipment:						
2.2.3.13		Heavy duty, self powered welding machine 400A	hr	150.00		
2.2.3.14		Welder (Coded) with assistant	hr	150.00		
Various Other:						
2.2.3.15		Compressor 400 cuft/min - with 2 breakers	hr	150.00		
2.2.3.16		Horse and Trailer with crane, with driver/operator capable of transporting 12m lengths of pipe including all permits required	hr	80.00		
2.2.3.17		Electric breaker - single phase	day	5.00		
2.2.3.18		Angle Grinder - 230mm	day	5.00		
2.2.3.19		Pneumatic Hammer Drill - 1500Watt	day	5.00		
2.2.3.20		Concrete mixer - 360l capacity	day	5.00		
2.2.3.21		7 Tonne flat bed with mounted crane and driver	hr	85.00		
2.2.3.22		1 Tonne LDV with driver	km	200.00		
2.2.3.23		Tractor 30 kW or similar	hr	10.00		
2.2.3.24		3 Disk Plow	hr	10.00		
2.2.4	8.7, PSA 8.7	MATERIALS				
2.2.4.1		Sand (building)	m ³	100.00		
2.2.4.2		Sand (river)	m ³	50.00		
2.2.4.3		50kg pocket of Cement	No.	30.00		
2.2.4.4		Dump Rock 150mm	m ³	10.00		
2.2.4.5		Crusher Run 28mm	m ³	20.00		
2.2.4.6		G5 material	m ³	20.00		
2.2.4.7		G2 material	m ³	20.00		
2.2.4.8		Provisional sum for cost of materials not included above	Prov Sum	1.00	250 000.00	250 000.00
Total Carried Forward To Summary						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2.3	SABS 1200 A, PSA	TEMPORARY AND PERMANENT WORKS				
2.3.1		TEMPORARY WORKS				
2.3.1.1	8.8.4 (c)	Excavation by hand in soft material to expose suspected but unknown existing services.	m ³	100.00		
2.3.1.2	8.8.1	Re-establish and maintain existing access roads and parking at existing reservoir	Sum	1.00		
2.3.1.3	8.8.2, SANS1921	Deal with traffic and maintain existing roads (also refer to SANS 1921)	Sum	1.00		
	PSA 8.8.2.1	Accommodation of Traffic Temporary Traffic-Control Facilities				
2.3.1.4	PSA 8.8.2.1 (a)	Flagmen	man-day	750.00		
2.3.1.5	PSA 8.8.2.1 (b)	Portable STOP and GO-RY signs	No	10.00		
2.3.1.6	PSA 8.8.2.1 (c)	Amber Flicker Lights	No	10.00		
2.3.1.7	PSA 8.8.2.1 (d)	Road Signs, R & TR series	No	20.00		
	PSA 8.8.2.1 (e)	Road Signs, TW series				
2.3.1.8	(i)	1200 sides	No	4.00		
2.3.1.9	(ii)	1800 x 300mm	No	4.00		
2.3.1.10	(ii)	2400 x 400mm	No	4.00		
2.3.1.11	PSA 8.8.2.1 (f)	Movable Barriers (Plastic Barriers)	m	50.00		
	PSA 8.8.2.1 (g)	Delineators (DTG50J) (800 x 200mm reflector size)				
2.3.1.12	(i)	Single	No	150.00		
2.3.1.13	(ii)	Double	No	50.00		
2.3.1.14	PSA 8.8.2.1 (h)	Traffic Cones (450)	No	50.00		
2.3.2		MISCELLANEOUS				
	PSMM 8.9.1	Blading by road grader of:				
2.3.2.1	PSMM 8.9.1 (a)	Temporary deviations	km-pas	1.00		
2.3.2.2	PSMM 8.9.1 (b)	Existing gravel roads and shoulders	km-pas	1.00		
2.3.3		PERMANENT WORKS				
2.3.3.1	C3.4.18	Establishment of permanent control points after construction. Tendered rate to include for all work required to survey pinpoint location, excavation of hole, supply and install concrete and steel rod	No.	10.00		
Total Carried Forward To Summary						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.1	COEGA-SBU-SPE C-201-24	OCCUPATIONAL HEALTH & SAFETY				
3.1.1		Preparation of the Contractor's site specific Health and Safety Plan in accordance to CDC requirements	Sum	1.0		
3.1.2		Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act / Construction Regulations	Sum	1.0		
3.1.3		Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	Sum	1.0		
3.1.1		PROVISION OF PERSONAL PROTECTIVE EQUIPMENT (PPE)				
3.1.1.1		a) Reflective vests	Sum	1.0		
3.1.1.2		b) Hard hats	Sum	1.0		
3.1.1.3		c) Protective foot wear	Sum	1.0		
3.1.1.4		d) Earplugs	Sum	1.0		
3.1.1.5		e) Dust masks	Sum	1.0		
3.1.1.6		f) Gloves	Sum	1.0		
3.1.1.7		g) High visibility overalls to SARTSM Chapter 13 Level 3	Sum	1.0		
3.1.1.8		h) Ear Defenders SABS approved	Sum	1.0		
3.1.1.9		i) Overalls	Sum	1.0		
3.1.2		CONSTRUCTION HEALTH & SAFETY OFFICER				
3.1.2.1		Provision of a full-time Construction Health and Safety Officer registered with SACPCMP	Sum	1.0		
3.1.3		COST OF MEDICAL CERTIFICATES & MEDICAL SURVEILLANCE				
3.1.3.1		a) Initial (baseline) medical examinations	Sum	1.0		
3.1.3.2		b) Periodic and exit examinations	Sum	1.0		
3.1.3.3		Contractor's charges to allow for handling costs and profit in respect of sub items 3.1.3 (a) and 3.1.3 (b)	%			
3.1.4		FIRST AID BOXES				
3.1.4.1		Provision of First Aid Boxes to GSR requirements	Sum	1.0		
3.1.5		NOISE MONITORING				
3.1.5.1		a) Establishment of noise zones (plant)	Sum	1.0		
3.1.5.2		b) Audiograms (personnel)	Sum	1.0		
3.1.6		HEALTH AND SAFETY EDUCATION				
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
3.2	CDC-SBU-SPC-20 2-24 CDC-OP-SPC-003 -14 Rev 4	ENVIRONMENT MANAGEMENT				
3.2.1		a) Compliance with the requirements of the CDC Standard Environmental Specification for Construction	Month	15.00		
3.2.2		b) Compliance with the requirements of the CDC Standard Vegetation Specification for Construction	Sum	1.00		
		i) Removal of topsoil				
		ii) Removal of rare, endemic or endangered species				
		iii) Slope stabilisation				
		iv) Removal of alien vegetation				
		v) Post construction Rehabilitation (topsoiling, hydroseeding etc.)				
3.2.3		c) An effective electronic leak detection device must be used for early detection of leaks (as per Condition 3.4.6 of EA (NMBM ROD, 2012)	Sum	1.00		
3.2.4		d) Pegging/demarcating of no-go areas/Open Space Areas (Gum poles, fencing, signage)	Sum	1.00		
3.2.5		e) External Specialist Fees (Archaeological, Palaeontological, Search and (Gum poles, fencing, signage)	Prov Sum	1.00		
3.2.6		f) Search and rescue (labour day rates if applicable)	Sum	1.00		
Total Carried Forward To Summary						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.1	SABS 1200 C, PSC	SITE CLEARANCE				
4.1.1		CLEAR SITE				
	8.2.1, PSC 8.2.1	Clear and grub:				
4.1.1.1		Reservoir site, access, parking, fill embankments, designated areas, including trees up to 250mm girth or up to 2.5m high	m ²	2 150.00		
	8.2.4	Reclear surfaces where directed by Engineer (Provisional):				
4.1.1.2		Reservoir site, access, parking, fill embankments, and designated areas	m ²	500.00		
4.1.2		REMOVE TOPSOIL AND OTHER SURFACES				
	8.2.10, PSC 8.2.10	Remove topsoil, stockpile, maintain and dispose of surplus to nominal depth of 150mm, for:				
4.1.2.1		Reservoir site, access, parking, fill embankments, and designated areas	m ³	250.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.2: Earthworks

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.2	SABS 1200 D, PSD	EARTHWORKS				
4.2.1	PSD 3.1.4, PSD 8.3.5.1, PSD 8.3.7, C3.5	BULK EXCAVATION				
	8.3.2 (a), PSD 8.3.2(a), PSD 5.2.5.1	Excavate in all materials and dispose of surplus/unsuitable material to an approved spoil site to be determined by the contractor, for:				
4.2.1.1		Excavate in all materials to remove weathered and loose material (approx. 500mm depth) as directed by Engineer and dispose of surplus materials at an approved spoil site to be determined by the contractor.	m ³	2 000.00		
4.2.1.2		Excavate in all materials to underside of Engineered fill and dispose of surplus materials at an approved spoil site to be determined by the contractor.	m ³	3 000.00		
4.2.1.3		Excavate in all materials, stockpile and use for embankment or backfill	m ³	200.00		
	8.3.2(b), PSD 8.3.2(b), PSD 3.1	Extra-over Item 4.2.1.1 to 4.2.1.3 for excavation in:				
4.2.1.4		1) Hard material excavation	m ³	500.00		
4.2.1.5		2) Rock excavation	m ³	5 000.00		
4.2.1.6		3) Boulder excavation, Class A (Provisional)	m ³	30.00		
4.2.1.7		4) Boulder excavation, Class B (Provisional)	m ³	10.00		
4.2.1.8		Extra-over Item 4.2.1.1 to 4.2.1.3 for allowance of 100mm over break of Rock Material across reservoir platform from Invert of Blinding Layer Level up to payline. Over break to be filled with 20MPa mass concrete (billed elsewhere)	m ³	150.00		
4.2.2	PSD 3.1.4, PSD 8.3.5.2, PSD 8.3.7, C3.4.14	RESTRICTED EXCAVATION				
	8.3.3(a), PSD 8.3.3(a), PSD 5.2.5.1	Restricted excavation in all materials, stockpile and dispose of surplus/unsuitable material to an approved spoil site to be determined by the contractor, for:				
4.2.2.1		Pipe Block	m ³	100.00		
4.2.2.2		Inlet, Outlet and Scour chambers for reservoir	m ³	500.00		
4.2.2.3		Other chambers/ Building works	m ³	100.00		
4.2.2.4		Stormwater manholes and headwalls, french drains and other ancillary works	m ³	100.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.2: Earthworks

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
	8.3.3(b), PSD 8.3.3(b), PSD 3.1	Extra-over Item 4.2.2.1 to 4.2.2.4 for excavation in:				
4.2.2.5		1) Hard material excavation	m ³	100.00		
4.2.2.6		2) Rock excavation	m ³	200.00		
4.2.3		BACKFILL OR FILL				
	8.3.4 a) PSD 8.3.4	Import selected materials from commercial sources or from borrow pits, including delivery to site, placing, forming or shaping, and compacting to the given specification				
4.2.3.1		G5 material, to be approved by Engineer, 2m deep compacted to 95% MOD AASHTO in 150mm layers including testing	m ³	4 210.00		
4.2.3.2		Extra-over items 4.2.3.3 for backfilling against structures	m ³	50.00		
	8.3.4, PSD 8.3.4.1	Selected backfill or fill material obtained from stockpile and compacted in 150mm layers to 95% MOD AASHTO, for:				
4.2.3.3		Fill embankments around reservoir site, including around access roads, parking, and chambers	m ³	500.00		
	8.3.4, PSD 8.3.4.2	Import selected backfill or fill material obtained from other excavations on site and compacted in 150mm layers to 95% Mod, for:				
4.2.3.4		Fill embankments around reservoir site, including around access roads, parking, and chambers	m ³	500.00		
	8.3.4, PSD 8.3.4.3	Imported G6 material obtained from a commercial source compacted in 150mm layers to 95% Mod AASHTO, for:				
4.2.3.5		Fill embankments around reservoir site, including around access roads, parking, and chambers	m ³	2 000.00		
4.2.3.6	8.3.9, PSD 8.3.9	Extra Over Item 4.2.3.5 for backfilling against structures	m ³	500.00		
		Allow for geofabric under reservoir and chambers for seismic dampening, based on Geotechnical Engineer's recommendations				
4.2.4		FOUNDATION PREPARATION				
4.2.4.1		Preparation and cleaning by compressed air and broom to Engineer's approval of excavated rock surface prior to casting of Reservoir blinding layer	m ²	2 500.00		
4.2.4.2		Preparation and cleaning by compressed air and broom to Engineer's approval of mass concrete surface prior to casting of Reservoir blinding layer	m ²	2 500.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.2: Earthworks

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.2.4.3		Rip and re-compact 250mm layer of in-situ material beneath chambers and reservoir to 95% mod. AASHTO in 250mm layers	m ²	2 400.00		
4.2.5		EXCAVATION ANCILLARIES				
4.2.5.1	C3.5.7	Excavate and dispose of unsuitable material from bottom of exavation to an approved spoil site to be determined by the Contractor as directed by the Employer's Agent (provisional)	m ³	1 000.00		
4.2.6		FINISHING				
4.2.6.1	PSD 8.3.10 CDC-SBU-SPC-20 2-24 CDC-OP-SPC-003 -14 Rev 4	Surface preparation and spreading of stockpiled topsoil including shaping and spreading of topsoil	m ²	3 000.00		
4.2.6.2	PSD 8.3.14	Import from a commercial source, stockpile, maintain and place topsoil to nominal depth of 150mm as directed by the Engineer (Provisional Quantity)	m ³	400.00		
4.2.6.3	PSD 8.3.15	Machine trimming of backfill, embankments and ground level to final finished level (provisional quantity)	m ²	200.00		
4.2.6.4	PSD 8.3.16	Hand trimming of backfill, embankments and ground level to final finished level	m ²	1 500.00		
4.2.7	PSD 8.3.17, PSD 5.1.1.1	BARRICADING				
4.2.7.1	PSD 5.1.1.1 (1a)	Barrier Fence	m	500.00		
4.2.7.2	PSD 5.1.1.1 (4)	Rigid Barricades for preventing access and visibility	m	200.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.3: Pipe Trenches

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.3	SABS 1200 DB, PSDB	EARTHWORKS PIPE TRENCHES				
4.3.1	PSDB 5.2	EXCAVATION FOR PIPELINES				
	8.3.2 (a), PSDB 8.3.2 (a)	Excavate in all materials for pipe trenches, backfill, compact to specification and dispose of surplus/unsuitable material,				
4.3.1.1		Up to 4.0m	m ³	30.00		
	8.3.2 (b), PSDB 8.3.2 (b), PSD 3.1	Extra-over Item 4.3.1.1 for excavation in (All provisional):				
4.3.1.2		1) Hard material excavation	m ³	500.00		
4.3.1.3		2) Rock excavation	m ³	500.00		
4.3.1.4	PSDB 8.3.2(b) (3)	Hand excavation and backfill where ordered by the Engineer (Provisional Quantity)	m ³	50.00		
4.3.1.5	8.3.2 (c)	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m ³	250.00		
4.3.1.6	C3.4.9 PSDB 8.3.5	Hand excavation to prove existing services (Provisional)	m ³	100.00		
4.3.2	PSDB 5.2	EXCAVATION FOR STORMWATER PIPELINES				
	8.3.2 (a), PSDB 8.3.2 (a)	Excavate in all materials for stormwater/ scour pipe trenches, backfill, compact and dispose of surplus material, for:				
		<u>110mm uPVC slotted pipe for reservoir under floor drains for total trench depth:</u>				
4.3.2.1		Up to 1m	m	500.00		
	8.3.2 (a), PSDB 8.3.2 (a)	<u>110mm uPVC solid pipe from reservoir floor drain to stormwater manhole for total trench depth:</u>				
4.3.2.2		Up to 2m	m	50.00		
4.3.2.3		2m to 4m	m	50.00		
	8.3.2 (a), PSDB 8.3.2 (a)	<u>160mm solid pipe for chamber drainage to stormwater manhole/ headwall for total trench depth:</u>				
4.3.2.4		Up to 2m	m	150.00		
4.3.2.5		2m to 4m	m	150.00		
	8.3.2 (b), PSDB 8.3.2 (b)	Extra-over Item 3.3.2.1 to 3.3.2.8 for excavation in (All provisional):				
4.3.2.6		1) Hard material excavation	m ³	120.00		
4.3.2.7		2) Rock excavation	m ³	350.00		
4.3.2.8	8.3.2 (c)	Excavate and dispose of unsuitable material from trench bottom (Provisional)	m ³	50.00		
4.3.3		SELECTED BACKFILL				
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.3: Pipe Trenches

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.3.3.1	PSDB 8.3.8	Backfill stabilized with minimum 5% cement batched on site where ordered by the Engineer (Soil Crete)	m ³	50.00		
4.3.3.2	PSDB 8.3.8	Backfill stabilized with minimum 5% cement from ready mix supplier where space is restricted for batching on site as ordered by the Engineer (Soil Crete) (Provisional Quantity)	m ³	50.00		
4.3.4	8.3.3	EXCAVATION ANCILLARIES				
	8.3.3.1	Make up deficiency in backfill material (Provisional):				
4.3.4.1	8.3.3.1 (a)	a) from other necessary excavations on site with G8 material	m ³	600.00		
4.3.4.2	8.3.3.1 (c)	b) by importation from commercial sources with G8 material	m ³	1 250.00		
4.3.5		EXISTING SERVICES				
	8.3.5 (a), PSDB 8.3.5, C3.4.9	Protect, maintain, repair services that intersect a trench:				
4.3.5.1		Water/Sewer (AC, PVC, HDPE) pipe up to 500mm dia.	No.	5.00		
4.3.5.2		Steel Pipe up to 600mm dia.	No.	5.00		
4.3.5.3		Concrete pipe up to 1200mm dia.	No.	2.00		
4.3.5.4		Telkom U/G cables	No.	2.00		
4.3.5.5		Telkom O/H cables	No.	2.00		
4.3.5.6		Electrical U/G cables	No.	2.00		
4.3.5.7		Electrical O/H cables	No.	2.00		
	8.3.5 (b), C3.4.9	Protect, maintain, repair services that adjoin a trench:				
4.3.5.8		Water/Sewer (AC, PVC, HDPE) pipe up to 500mm dia.	m	50.00		
4.3.5.9		Steel Pipe up to 600mm dia.	m	50.00		
4.3.5.10		Concrete pipe up to 1200mm dia.	m	20.00		
4.3.5.11		Telkom U/G cables	m	20.00		
4.3.5.12		Telkom O/H cables	m	20.00		
4.3.5.13		Electrical U/G cables	m	20.00		
4.3.5.14		Electrical O/H cables	m	20.00		
4.3.6		FINISHING				
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.3: Pipe Trenches

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.3.6.1	PSDB 8.3.10, CDC-SBU-SPC-20 2-24 CDC-OP-SPC-003 -14 Rev 4	Surface preparation and spreading of stockpiled topsoil including shaping and spreading of topsoil for pipeline working corridor	m ²	3 500.00		
4.3.6.2	PSDB 8.3.11	Import topsoil from commercial source, surface preparation and spreading of topsoil including shaping and spreading of topsoil (Provisional Quantity)	m ²	1 000.00		
	PSDB 5.1.2.3	Erosion Control				
4.3.6.3	PSDB 8.3.12	Construct Contour/ Diversion Berm as specified (Provisional Quantity)	m	100.00		
4.3.6.4	PSDB 8.3.13.1	Woven 100% Natural Jute Fibre as "Kaytech Soilsaver 292" or similar approved product (Provisional Quantity)	m ²	500.00		
4.3.6.5	PSDB 8.3.13.2	Woven 100% Natural Jute Fibre such as "Kaytech ECC-2B double net blanket, Biomac-C" or similar approved product (Provisional Quantity)	m ²	250.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.4: Gabions & Pitching

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.4	SANS 1200 DK, PSDK	GABIONS AND PITCHING				
4.4.1	8.2.1	SURFACE PREPARATION				
		Surface preparation for bedding:				
4.4.1.1	8.2.1 (a)	Cavities filled with approved excavated material or rock (Provisional Quantity)	m ²	20.00		
4.4.2		EXCAVATION				
	PSDK 8.2.8	Excavate in all materials, backfill, compact, and dispose of surplus/unsuitable material:				
4.4.2.1		For gabions and reno mattress baskets	m ³	20.00		
4.4.3	PSDK 3.1.2	GABIONS				
	8.2.2, PSDK 8.2.2	Supply and Construct reno mattresses complete with hand rock using double twisted hexagonal mesh type 60 with 2.7mm OD frame wire and 2.2mm OD mesh wire to SANS 1580:2005 coated in Galfan and PVC Coating, for:				
4.4.3.1		Reno Mattresses of depth 0,3 m with diaphragms providing 3,0 m x 1,0 m cells	m ³	10.00		
	8.2.2, PSDK 8.2.2	Supply and Construct gabions complete with hand rock using double twisted hexagonal mesh type 80 with 3.4mm OD frame wire and 2.7mm OD mesh wire to SANS 1580:2005 coated in Galfan and PVC Coating, for:				
4.4.3.2		Gabions of section 1,0 m wide x 0,5m high x length to suit site conditions	m ³	10.00		
4.4.3.3		Gabions of section 1,0 m wide x 1,0m high x length to suit site conditions	m ³	10.00		
4.4.3.4		Gabions of section 2,0 m x 1,0 m x 1,0m high with 4m long tails (Provisional Quantity)	m ³	10.00		
4.4.4	PSDK 3.1.3	GEOTEXTILE (GRADE A4)				
4.4.4.1	8.2.4, PSDK 8.2.4	Supply and install below gabions and reno mattress baskets	m ²	20.00		

4.4.5	8.2.5	STONE PITCHING				
4.4.5.1		Stone pitching with 150mm dump rock, grouted, where directed by the Engineer	m ²	20.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.5: Concrete

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.5	SABS 1200 G, PSG	CONCRETE (STRUCTURAL)				
4.5.1	8.2	ROUGH FORMWORK				
	8.2.1	Rough Vertical Plane to:				
4.5.1.1		Mass Concrete Infill	m ²	2 105.00		
	8.2.5	Narrow Widths, rough vertical plane, for:				
4.5.1.2		100mm high, vertical face for 100mm over break allowance across reservoir platform up to payline	m	100.00		
4.5.2	8.2, PSG8.2.2	SMOOTH FORMWORK				
		Rates to be inclusive of 25mm chamfers on all exposed edges.				
	8.2.2	Smooth Vertical Plane to:				
		<u>Reservoir:</u>				
4.5.2.1		Side of pipe block (inside face of outlets and scour chambers)	m ²	100.00		
4.5.2.2		Rear of reservoir wall bases (0.5m high)	m ²	500.00		
4.5.2.3		Reservoir Walls - Inside face	m ²	1 800.00		
4.5.2.4		Reservoir Walls - Outside face to top of wall (batter angle not exceeding 10 deg)	m ²	1 800.00		
4.5.2.5		Columns (450mm dia)	No.	36.00		
4.5.2.6		Column heads for Ø450mm (1300mm x 1300mm x 150mm deep)	No.	36.00		
4.5.2.7		Reservoir roof side including upstand beam (450mm maximum height on outer face)	m ²	200.00		
		<u>Chambers:</u>				
4.5.2.8		Inlet chamber walls	m ²	300.00		
4.5.2.9		Outlet, overflow, scour chamber walls	m ²	300.00		
4.5.2.10		Flow meter chamber walls	m ²	150.00		
4.5.2.11		Pipe/ valve supports	m ²	500.00		
	8.2.2	Smooth Horizontal Plane to:				
		<u>Reservoir and Chambers:</u>				
4.5.2.12		Roof slab of reservoir	m ²	3 700.00		
4.5.2.13		Cast in situ removable roof slab of chambers	m ²	500.00		
4.5.2.14		V-drain	m ²	85.00		
	8.2.5	Narrow widths, smooth vertical plane				
4.5.2.15		75mm high, vertical face to chamber wall kicker	m	50.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.5: Concrete

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.5.2.16		100mm high, vertical face to reservoir wall kicker	m	200.00		
4.5.2.17		100mm high, vertical face to 450mm dia column kicker	No.	50.00		
4.5.2.18		100mm high, vertical face for chamber sump	m	10.00		
4.5.2.19		200mm high, vertical face for cast in situ chamber roof slabs.	m	200.00		
4.5.2.20		200mm high, vertical side for opening for chamber access lids	m	150.00		
4.5.2.21		200mm high, vertical face for inside face of chamber upstand beams	m	200.00		
4.5.2.22		200mm wide, vertical face to chamber roof beams	m	50.00		
4.5.2.23		200mm high, vertical side for telemetry cable protection encasement	m	20.00		
4.5.2.24		200mm side for telemetry cable protection encasement (vertical upwards reservoir outside wall)	m	20.00		
4.5.2.25		250mm high, vertical face to chamber bases	m	50.00		
4.5.2.26		300mm high, vertical face to chamber bases	m	50.00		
4.5.2.27		300mm high, vertical face to square 1.3m x 1.3m column pedestals	No.	36.00		
4.5.2.28		300mm to 150mm high, vertical face for inside face of reservoir upstand beam	m	200.00		
	8.2.5	Narrow Widths, smooth horizontal:				
4.5.2.29		200mm wide, horizontal face to chamber roof beams	m	10.00		
4.5.2.30		400mm wide, horizontal face to chamber roof beams	m	10.00		
4.5.3	8.2.3	SMOOTH RUBBED FORMWORK				
4.5.3.1		Extra over smooth formwork to achieve a Class 2 finish for all visible external surfaces of reservoir and above ground unpainted chamber	m ²	1 000.00		
4.5.4		FORMWORK SUNDRIES				
	8.2.6	Box out holes or form voids in:				
	8.2.6 (c)	<u>Thickness up to and including for large, circular diameters from 350mm to 700mm:</u>				
4.5.4.1		0m - 0,5m thick	No.	20.00		
	8.2.6 (d)	<u>Thickness up to and including for large, other shapes, area 0,1 - 0,5 m²:</u>				
4.5.4.2		0m - 0,5m thick	No.	10.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.5: Concrete

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.5.5	8.3	REINFORCEMENT				
4.5.5.1	8.3.1	Mild steel bars	t	80.00		
4.5.5.2	8.3.1	High-tensile steel bars	t	800.00		
4.5.5.3		High tensile steel bars for supply and installation of bond breakers	No.	1 000.00		
4.5.5.4	PSG 8.15	Pressure Grouting of 15MPa grout for rock fissures including all work and wastage/ spillage (provisional qty)	kg	1 000.00		
4.5.6	8.4	CONCRETE				
4.5.6.1	PSG 5.5.3.2	Concrete mix design	Sum	2.00		
4.5.6.2	8.4.1, PSG 5.5.1.11	No-fines concrete-19mm stone (1:9 mix) to under floor drains including all formwork	m ³	1 500.00		
	8.4.2	Grade Concrete (15 MPa/19mm):				
4.5.6.3	PSG 5.5.5.10	Blinding layer minimum 75mm thick for below reservoir and chambers to include for fill for overbreak	m ²	2 500.00		
	8.4.3, PSG 5.5	Strength Concrete:				
		<u>Grade Concrete (20 MPa/19mm):</u>				
4.5.6.4		Mass Concrete Infill to underside of blinding layer up to payline for reservoir (Provisional Quantity)	m ³	500.00		
4.5.6.5		Concrete infill for 100 mm over break allowance across reservoir platform up to payline including levelling	m ³	100.00		
		<u>Grade Concrete (25 MPa/19mm):</u>				
4.5.6.6		Pipe block encasing outlet and scour pipes	m ³	100.00		
4.5.6.7		Chamber floors	m ³	150.00		
4.5.6.8		Chamber walls	m ³	1 000.00		
4.5.6.9		Chamber cast in-situ removable roof	m ³	100.00		
4.5.6.10		Chamber roof beams	m ³	100.00		
4.5.6.11		Pipe and Valve supports	m ³	100.00		
4.5.6.12		V-drain	m ³	9.00		
	PSG 8.4.8	<u>Grade Concrete (25 MPa/19mm) complete, for:</u>				
4.5.6.13		Removable chamber lids	m ³	12.00		
4.5.6.14		Construct concrete thrust blocks	m ³	5.00		
	8.4.3, PSG 5.5	<u>Grade Concrete (35 MPa/19mm) in Reservoir:</u>				
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.5: Concrete

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.5.6.15		Wall bases up to kicker	m ³	1 500.00		
4.5.6.16		Floor panels	m ³	400.00		
4.5.6.17		Walls	m ³	2 000.00		
4.5.6.18		Column pedestals	m ³	100.00		
4.5.6.19		Columns	m ³	100.00		
4.5.6.20		Column heads	m ³	50.00		
4.5.6.21		Roof slab	m ³	500.00		
4.5.6.22		Upstand beam to roof slab	m ³	50.00		
4.5.6.23		Upstand beams to roof slab, reservoir access and telemetry lids	m ³	50.00		
4.5.6.24		Concrete base for chamber B	m ³	15.00		
4.5.7	8.4.4	UNFORMED SURFACE FINISHES				
	8.4.4 (a)	Wood-floated finish to:				
4.5.7.1		Screed to under floor drain	m ²	250.00		
4.5.7.2		Blinding	m ²	2 110.00		
4.5.7.3		Pipe block	m ²	50.00		
	8.4.4 (b)	Steel-floated finish to:				
4.5.7.4		Chamber floors	m ²	200.00		
4.5.7.5		Top of reservoir walls	m ²	200.00		
4.5.7.6		Reservoir floor	m ²	1 800.00		
4.5.7.7		Reservoir roof	m ²	2 000.00		
4.5.7.8		Top of upstand beams to roof slab, reservoir access and telemetry lids	m ²	200.00		
4.5.7.9		Top of column bases	m ²	100.00		
4.5.7.10		Chamber roof slabs	m ²	200.00		
4.5.7.11		Top of chamber walls	m ²	100.00		
4.5.8	8.5, PSG 5.5.7	JOINTS				
		<i>The unit rate shall cover the cost of all materials and labour for the construction of each joint as shown on the drawings, including the cost of formwork, bandaging, waterstops etc, testing and making good.</i>				
		Refer to Dwg 08601-00_S_RTE_T_023_A for Details, for:				
4.5.8.1		Detail 1: Horizontal construction joint in base to wall construction joint	m	400.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.5: Concrete

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.5.8.2		Detail 3: Vertical construction joint: Reservoir floor slab 500mm high	m	350.00		
4.5.8.3		Detail 6: Vertical construction joint: Reservoir floor panels	m	300.00		
4.5.8.4		Detail 7: Vertical construction joint: wall panel construction joint	m	750.00		
4.5.8.5		Detail 2 & 7: Vertical and horizontal construction joint in roof slab upstand beam for reservoir external walls	m	400.00		
4.5.8.6		Detail 5: Provide 2 coats of 'Vandex Super' 100mm wide at joints between floor and column pedestal as per detail	m	250.00		
4.5.8.7		Detail 5: Provide 2 coats of 'Vandex Super' 100mm wide at joints between column kicker and column	m	100.00		
Miscellaneous						
4.5.8.8		Seal between concrete roof slabs and walls of chamber with approved Bitumen seal putty or Polysulphide elastic joint seal	m	150.00		
4.5.8.9		Seal chamber base to wall construction joint on external face with approved 100 mm wide bitumen waterproof bandage	m	200.00		
4.5.8.10		Horizontal construction joint complete: Base to wall construction joint with continuous reinforcing as per Detail C on Concrete drawings for all chambers	m	150.00		
4.5.8.11		Drill holes 200mm deep at 200mm centres and epoxy Y12 starter bars for concrete pipe supports including exposing coarse aggregate	No.	50.00		
4.5.8.12		Form 1.4m x 1.4m x 50mm deep scour depression in concrete floor slab for scour pipe.	No.	1.00		
4.5.8.13		Sikaswell S-2 or similar approved joint sealer to puddle flanges in reservoir as per detail on dwg 08601-00_S_RTE_T_024.	No.	3.00		
4.5.9	8.6	PRECAST CHAMBERS (PROVISIONAL) <i>The following rates are to include for the supply and installation of sealing joints, water proof bandaging joints, air vents, access manholes & frames, lifting sockets, interlocking joints. In-situ concrete works measured elsewhere:</i>				
4.5.9.1		Small Chambers: Precast concrete manhole rings, (Ø1.8m) 150mm thick	No.	2.00		
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.5.9.2		Ø1800 precast concrete manhole cover with type 2A Polymer Concrete access cover with locking mechanism for Ø600mm opening	No.	1.00		
		Chamber C. Refer to dwg 08601-00_S_RTE_T_026:				
4.5.9.3		4420 x 2423 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications.	No.	1.00		
4.5.9.4		4420 x 2423 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications. Including Type 10A Polymer Concrete access cover and frame cast into concrete with locking mechanism for 845 x 845 opening.	No.	1.00		
4.5.9.5		4420 x 2423 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications. Including Type 2A Polymer Concrete access cover and frame cast into concrete with locking mechanism for Ø600 opening.	No.	1.00		
		Chamber E. Refer to dwg 08601-00_S_RTE_T_027:				
4.5.9.6		4420 x 2423 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications.	No.	1.00		
4.5.9.7		4420 x 2423 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications. Including Type 10A Polymer Concrete access cover and frame cast into concrete with locking mechanism for 845 x 845 opening.	No.	1.00		
4.5.9.8		4420 x 2423 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications. Including Type 2A Polymer Concrete access cover and frame cast into concrete with locking mechanism for Ø600 opening.	No.	1.00		
		Chamber G. Refer to dwg 08601-00_S_RTE_T_028:				
4.5.9.9		4620 x 2490 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications.	No.	1.00		
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.5.9.10		4620 x 2490 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications. Including Type 10A Polymer Concrete access cover and frame cast into concrete with locking mechanism for 845 x 845 opening.	No.	1.00		
4.5.9.11		4620 x 2490 x 225mm thk RC roof slab with Halfen HD plate anchor 6370 lifting sockets or similar approved to supplier specifications. Including Type 2A Polymer Concrete access cover and frame cast into concrete with locking mechanism for Ø600 opening.	No.	1.00		
4.5.10		SCREED				
4.5.10.1		Screed to falls 75mm to 25mm on chamber floors (provisional quantity)	m ²	200.00		
4.5.10.2		6mm layer of 1:8 dry mix cement sand mortar over no fines concrete for reservoir drains	m ²	1 000.00		
4.5.10.3		Screed to falls 75mm to 25mm on roof (provisional quantity)	m ²	2 200.00		
4.5.11	PSG 5.5.8, PSG 8.4.7	CURING AND PROTECTION				
4.5.11.1		Reservoir floor slab	m ²	500.00		
4.5.11.2		Reservoir Walls	m ²	2 000.00		
4.5.11.3		Top surface of the reservoir roof slab	m ²	500.00		
4.5.11.4		Soffit of the reservoir roof slab	m ²	500.00		
4.5.11.5		Reservoir columns (Including column heads and bases)	No.	36.00		
4.5.12	PSG 7.3.9	WATER TIGHTNESS TESTING				
	PSG 7.3.9.1	Clean, disinfect, and sterilise reservoir and before water tightness test.				
4.5.12.1		15ML Coega Reservoir	Sum	1.00		
	PSG 7.3.9.1	Reservoir Water tightness testing, for:				
4.5.12.2		15ML Coega Reservoir	Sum	1.00		
	PSG 7.3.9.2	Ponding of reservoir roof for water tightness test, for:				
4.5.12.3		15ML Coega Reservoir	Sum	1.00		
	PSG 7.3.9.3	Chamber Water tightness testing, for:				
4.5.12.4		Inlet and meter chambers	No.	2.00		
4.5.12.5		Outlet, Overflow and Scour chambers	No.	1.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.5: Concrete

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.5.13	PSG 8.10	CASTING IN				
		Casting in of fabricated pipe specials in walls or slabs, for:				
		<i>Rate shall include all labour, plant and materials for casting of fabricated pipe specials into concrete walls inclusive for forming formwork around pipes and fixing pipes to the designated lines and levels, for:</i>				
4.5.14		DN500	No.	10.00		
4.5.15		DN600	No.	10.00		
		Casting in fabricated pipe specials into reservoir mass concrete pipe block, for:				
		<i>Supply all labour, plant and materials for casting in, inclusive of forming formwork around items and fixing to the designated lines and level (concrete measured elsewhere)</i>				
4.5.15.1		DN600 Outlet & Overflow Pipe	No.	2.00		
4.5.15.2		DN500 scour pipe	No.	1.00		
	PSG 8.10	Casting in of Other Items, for:				
		<i>Supply all labour, plant and materials for casting in, inclusive of forming formwork around items and fixing to the designated lines and levels.</i>				
4.5.15.3		900 x 600 Lockable access covers and frames for reservoir roof as per Detail on Dwg 08601-00_S_RTE_T_022_A	No.	2.00		
4.5.15.4		2000 x 1600 Lockable access covers and frames for reservoir roof as per Detail on Dwg 08601-00_S_RTE_T_022_A	No.	1.00		
4.5.15.5		Type 2A Polymer Concrete access cover and frame cast into concrete with locking mechanism for Ø600 opening	No.	3.00		
4.5.15.6		Type 10A Polymer Concrete access cover and frame cast into concrete with locking mechanism for 845 x 845 opening	No.	3.00		
	PSG 8.10	Cast in PVC cable ducts into roof slab, wall panels and telemetry cable protection encasement complete with support brackets (cable ducts measured elsewhere), for:				
4.5.15.7		110mm dia	m	20.00		
4.5.16		MISCELLANEOUS				
Total Carried Forward						

Total Carried Forward To Summary						
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ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.6	SABS 1200 HA, PSHA, PACP	STRUCTURAL STEELWORK (SUNDRY ITEMS) AND GRP				
4.6.1	PSHA 8.3.3	ACCESS LADDERS AND LANDINGS				
		Supply all labour, plant, and materials and install UV stable GRP ladders complete including stringers and rungs, chemical anchors, bolts, nuts, and washers. To be supplied to suit required length and bolted in place as shown on DWG 08601-00_C_RTE_T_003_A:				
4.6.1.1		Chambers	m	20.00		
4.6.1.2		Internal reservoir access ladder complete with 316 Stainless Steel chemical anchors, bolts, washers and nuts	m	20.00		
		Supply all labour, plant and materials and install UV stable GRP SAFETY CAGE for access ladder complete, to be supplied to suit required length and bolted in place as shown on DWG 08601-00_C_RTE_T_003_A, for:				
4.6.1.3		Chambers	m	20.00		
4.6.1.4		Internal reservoir access ladder complete with 316 Stainless Steel bolts, washers and nuts	m	20.00		
4.6.2		RESERVOIR INTERNAL ACCESS PLATFORMS				
4.6.2.1		Prefabricate, supply and fix in position inside new reservoir, 3305mm x 1200mm GRP 316 platform complete with all structural sections, bolts, gratings, handrails, refer to dwg 08601-00_C_RTE_T_003 sheet 2 of 2.	No.	2.00		
		Fabricate, supply all labour, plant and materials and install the following:				
4.6.2.2		Supply and install engraved brass plaque as per Bench Mark for new Reservoir	No.	3.00		
4.6.2.3		Hot Dipped Galvanised mild steel lockable for opening 2000x1600 access manhole lid for roof of reservoir complete including manhole cover and frame, hinges, padlock cover, lifting handles, fishtails, angles, hilti anchors, holes, etc as shown on DWG 08601-00_S_RTE_T_024_A	No.	1.00		
4.6.2.4		Hot Dipped Galvanised mild steel lockable for opening 900x600 access manhole lid for roof of reservoir complete including manhole cover and frame, hinges, padlock cover, lifting handles, fishtails, angles, hilti anchors, holes, etc as shown on DWG 08601-00_S_RTE_T_024_A	No.	2.00		
4.6.2.5		Air vent including all required brackets, DN160 PVC pipe and fabricated lobster bend complete as per Air Vent Detail on Dwg 08601-00_S_RTE_T_024_A	No.	12.00		

Total Carried Forward	
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ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.7	SABS 1200 L, PSL, PAC	MEDIUM PRESSURE PIPELINES <i>Rate is inclusive NDT testing of joints and reinstatement at the joint for external coating and internal lining damage in accordance with the project specification.</i>				
4.7.1		DN500, 6.0mm thick	m	150.00		
4.7.2		DN600, 6.0mm thick	m	150.00		
4.7.1	PSL 3.9	REPAIR: External Coating: <u>Repair, as result of damage inflicted by pipe supplier, external coating complete inclusive of labour, materials, plant, supervision and QA/QC for defects:</u>				
4.7.1.1		up to 500mm ² in area	No.	10.00		
4.7.1.2		from 501mm ² to 750mm ² in area	No.	10.00		
4.7.1.3		from 751m ² to 1000mm ² in area	No.	10.00		
4.7.1.4		from 1001mm ² to 1400mm ² in area	No.	10.00		
		Internal Lining: <u>Repair, as a result of damage inflicted by pipe supplier, internal lining, complete inclusive of labour, plant, materials, supervision and QA/QC for defects for:</u>				
4.7.1.5		up to 200mm ² in area	No.	10.00		
4.7.1.6		from 201mm ² to 400mm ² in area	No.	10.00		
4.7.1.7		from 401mm ² to 600mm ² in area	No.	10.00		
4.7.1.8		from 600mm ² to 800mm ² in area	No.	10.00		
4.7.1.9		from 800mm ² to 1000mm ² in area	No.	10.00		
4.7.1.10		Internal cement mortar lining and external "Signaline 885 Epoxy" coating	Prov No.	50.00		
4.7.1.11		Internal "Signaline 523 epoxy" lining and external "Signaline 885 Epoxy" coating	Prov No.	50.00		
4.7.2	PSL 7.3	HYDRAULIC TESTING				
	PSL 8.2.21	End cap, filling, testing and disinfection of pipelines inclusive of specials in chambers within sections as per specification, for:				
4.7.2.1		DN500 scour	m	200.00		
4.7.2.2		DN600 Inlet	m	200.00		
4.7.2.3		DN600 Outlet	m	200.00		
4.7.2.4		DN600 Overflow	m	200.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.8: Pipework Assemblies

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.8		PIPEWORK ASSEMBLIES <i>Fabricate, supply and install valves, spool pieces, fittings and bends complete inclusive of all collar/ crotch plate reinforcing with internal and external coating as per specifications. Rates to include for all bolts, nuts, gaskets and jointing material, testing, preparation for welding where required and the repair and making good of all linings and coatings.</i> All flanges to be supplied and as per SANS 1123 Table 1000/3 unless otherwise shown or specified				
	8.2.5, PSL 8.2.5	Air valve chamber assembly complete (1 Ooff) as per dwg 08601-11_C_RTE_T_031				
4.8.1		Item A1	No.	1.00		
4.8.2		Item A2	No.	1.00		
4.8.3		Item A3	No.	1.00		
4.8.4		Item A4	No.	1.00		
		<u>Compulsory Requirement for Tender</u> Contractor to provide for item above: Make: _____ Supplier: _____ Data Sheet must be provided with Tender				
	8.2.5, PSL 8.2.5	Inlet pipework assembly as per dwg 08601-11_C_RTE_T_031				
4.8.5		Item I1	No.	1.00		
4.8.6		Item I2	No.	2.00		
		<u>Compulsory Requirement for Tender</u> Contractor to provide for item above: Make: _____ Supplier: _____ Data Sheet must be provided with Tender				
4.8.7		Item I3	No.	1.00		
4.8.8	PA WM	Item I4	No.	1.00		
		<u>Compulsory Requirement for Tender</u> Contractor to provide for item above: Make: _____ Supplier: _____ Data Sheet must be provided with Tender				
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.8: Pipework Assemblies

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.8.9		Item I5	No.	1.00		
4.8.10		Item I6	No.	2.00		
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
		Supplier: _____				
		Data Sheet must be provided with Tender				
4.8.11		Item I7	No.	1.00		
4.8.12		Item I8	No.	6.00		
4.8.13		Item I9	No.	2.00		
4.8.14		Item I10	No.	2.00		
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
		Supplier: _____				
		Data Sheet must be provided with Tender				
4.8.15		Item I11	No.	2.00		
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
		Supplier: _____				
		Data Sheet must be provided with Tender				
4.8.16		Item I12	No.	1.00		
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
		Supplier: _____				
		Data Sheet must be provided with Tender				
4.8.17		Item I13	No.	2.00		
4.8.18		Item I14	No.	2.00		
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.8: Pipework Assemblies

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
		Supplier: _____				
		Data Sheet must be provided with Tender				
4.8.19		Item I15	No.	1.00		
4.8.20		Item I16	No.	1.00		
4.8.21		Item I17	No.	1.00		
4.8.22		Item I18	No.	1.00		
4.8.23		Item I19	No.	1.00		
4.8.24		Item I20	No.	1.00		
4.8.25		Item I21	No.	1.00		
4.8.26		Item I22	No.	1.00		
4.8.27		Item I23	No.	1.00		
4.8.28		Item I24	No.	6.00		
4.8.29		Item I25	No.	1.00		
4.8.30		Item I26	No.	1.00		
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
		Supplier: _____				
		Data Sheet must be provided with Tender				
	8.2.5, PSL 8.2.5	Overflow pipe assembly as per dwg 08601-11_C_RTE_T_032				
4.8.31		Item O1	No.	1.00		
4.8.32		Item O2	No.	1.00		
4.8.33		Item O3	No.	1.00		
4.8.34		Item O4	No.	1.00		
4.8.35		Item O5	No.	1.00		
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
		Supplier: _____				
		Data Sheet must be provided with Tender				
4.8.36		Item O6	No.	1.00		
4.8.37		Item O7	No.	1.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.8: Pipework Assemblies

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
		Compulsory Requirement for Tender				
		Contractor to provide for item above:				
		Make: _____				
		Supplier: _____				
		Data Sheet must be provided with Tender				
4.8.38		Item O8	No.	1.00		
4.8.39		Item O9	No.	1.00		
4.8.40		Item O10	No.	1.00		
4.8.41		Item O11	No.	2.00		
4.8.42		Item O12	No.	1.00		
	8.2.5, PSL 8.2.5	Outlet pipe assembly as per dwg 08601-11_C_RTE_T_032_A				
4.8.43		Item D1	No.	1.00		
4.8.44		Item D2	No.	1.00		
4.8.45		Item D3	No.	1.00		
4.8.1		MISCELLANEOUS				
4.8.1.1		Signage Instructions for Chamber and Pipework use on 800 x 600 Heavy Duty PVC Sign Board fixed to the inside of each chamber with stainless steel chemical anchors	No.	4.00		
		Supply and install insulation gasket complete with sleeves, washers, nuts etc, for:				
4.8.2		DN600	No.	6.00		
4.8.3		DN500	No.	10.00		
4.8.4		TIE INS				
	C3.1.2	Undertake the following tie-ins including the removal of sufficient existing pipe to make way for new pipework, arranging shut-downs with CDC operations staff, cleaning and preparing the pipes for cutting, dealing with all water (including that from leaking valves), preparing the pipe ends for jointing, re-commissioning the pipeline and making good on site including all temporary supports. The whole installation is to be completed within a maximum of 6 hours (All new pipes, valves and fittings that are required are measured elsewhere), for:				
4.8.4.1		a) Tie-in DN560 Inlet pipework	Sum	1.00		
4.8.4.2		b) Tie-in DN700 outlet pipework assembly into existing DN710 bulk supply to Neptune	Sum	1.00		
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.8: Pipework Assemblies

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
4.8.4.3		c) Tie-in DN600 Overflow pipework assembly into existing DN710 existing scour pipe	Sum	1.00		
4.8.4.4		d) Tie-in DN600 Inlet pipework	Sum	1.00		
4.8.5		SHUTDOWNS				
		Undertake the following shut-downs with CDC operations staff, including arranging shut-down for installation of new pipework, cleaning and scouring of the reservoir and re-commissioning. The whole installation is to be completed within a maximum of 6 hours (All new pipes, valves and fittings that are required are measured elsewhere), for:				
4.8.5.1		a) Existing Reservoir	Sum	1.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.9: Bedding

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.9	SABS 1200 LB, PSLB	BEDDING (PIPES)				
4.9.1		BEDDING FOR PIPES				
	PSLB 8.2.1	Provision of bedding from trench excavations:				
4.9.1.1		Selected granular material for 200mm to 300mm bedding cradle below pipe invert	m ³	10.00		
4.9.1.2		Selected granular material for fill blanket to 300mm above pipe crown	m ³	50.00		
4.9.1.3	PSLB 8.2.1.1	Extra Over for screening of material from the trench excavation, to achieve grading suitable to comply with the bedding and blanket material specification (Provisional Quantity)	m ³	60.00		
	PSLB 8.2.2	Supply only of bedding by importation:				
	PSLB 8.2.2.1	<u>From other necessary excavations (provisional):</u>				
4.9.1.4		a) Selected granular material for bedding cradle below pipe invert	m ³	10.00		
4.9.1.5		b) Selected granular material for fill blanket to 300mm above pipe crown	m ³	50.00		
	PSLB 8.2.2.3	<u>From commercial sources:</u>				
4.9.1.6		a) Selected granular material for bedding cradle below pipe invert	m ³	10.00		
4.9.1.7		b) Selected granular material for fill blanket to 300mm above pipe crown	m ³	50.00		
4.9.1.8	PSLB 8.2.6 (a)	Import from commercial sources and place 19mm crushed stone in trenches for bedding, or the replacement of unsuitable material (Provisional)	m ³	10.00		
4.9.1.9	PSLB 8.2.6 (a)	Import from commercial sources and place dump rock in trenches for bedding, or the replacement of unsuitable material (Provisional)	m ³	10.00		
4.9.1.10	PSLB 8.2.6 (b)	Supply and install geotextile, grade A4, where directed by the Engineer	m ²	100.00		
	PSLB 8.3.8	Cement stabilised selected fill bedding (provisional):				
4.9.1.11		Cement stabilised bedding batched on site (Soilcrete Bedding - minimum 5% CEMENT).	m ³	30.00		
4.9.1.12		Cement stabilised bedding from ready mix supplier where space is restricted for batching on site (Soilcrete Bedding - minimum 5% CEMENT).	m ³	10.00		
4.9.2		BEDDING FOR STORMWATER PIPES				
Total Carried Forward						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.9: Bedding

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
	PSLB 8.2.1	Provision of bedding from trench excavations:				
4.9.2.1		a) Selected granular bedding material	m ³	30.00		
4.9.2.2		b) Selected granular fill material	m ³	50.00		
	PSLB 8.2.2	Supply only of bedding by importation:				
	PSLB 8.2.2.1	<u>From other necessary excavations (provisional):</u>				
4.9.2.3		a) Selected granular bedding material	m ³	30.00		
4.9.2.4		b) Selected granular fill material	m ³	50.00		
	PSLB 8.2.2.3	<u>From commercial sources:</u>				
4.9.2.5		a) Selected granular bedding material	m ³	30.00		
4.9.2.6		b) Selected granular fill material	m ³	50.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

Section 4.10: Stormwater

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4.10	SABS 1200 LE, PSLE	STORMWATER DRAINAGE				
4.10.1	8.2.1, PSLE 8.2.1	PIPES				
		Supply, lay, joint, bed, and test subsoil drainage pipes to detail:				
4.10.1.1		110mm NB rigid uPVC (heavy duty) slotted drainage pipes complete with couplings and end caps to under floor drains (Cordrain - Pushfit or similar approved) wrapped in Polythene Sheeting 250 micron 'Gunplas' or similar approved laid to fall in no-fines concrete (measured elsewhere)	m	500.00		
4.10.1.2		160mm NB rigid uPVC (heavy duty) slotted drainage pipes (including bends) laid to fall (Cordrain-Pushfit or similar approved) complete with couplings and end caps to heel of wall complete with no fines concrete including formwork and concrete bedding cradle	m	100.00		
		Supply, lay, joint, bed, and test stormwater drainage pipes on flexible bedding for the following:				
4.10.1.3		160mm NB heavy duty solid uPVC pipes laid to fall complete with couplings, bends and tees.	m	200.00		
4.10.1.4		375mm NB 100D precast concrete spigot and socket laid to fall.	m	200.00		
4.10.2	8.2.8 PSLE 8.2.8	MANHOLES				
		Supply and install 1.00m dia SW manhole, complete with concrete base, precast roof slab ,GRP access ladder for depths:				
4.10.2.1		Up to and including 5.0m	No.	10.00		
4.10.3	8.2.10	ACCESSORIES				
4.10.3.1		Type 2A Polymer Concrete access cover with locking mechanism for Ø600mm opening	No.	10.00		
4.10.3.2	PSLE 8.2.15	Stormwater head wall for chamber drainage sumps as per Detail 1 on Dwg 08601-00_C_RTE_T_020	No.	1.00		
4.10.3.3		DN110 HDPE rainwater downpipe, inclusive of straight pipe, wall straps, bends, and discharge ends.	m	110.00		
Total Carried Forward To Summary						

Contract No: CDC/488/24
Schedule 4: 15 ML Return Effluent Reservoir

SUMMARY OF SECTIONS

SECTION	DESCRIPTION	AMOUNT
4.1	Section 4.1: Site Clearance	
4.2	Section 4.2: Earthworks	
4.3	Section 4.3: Pipe Trenches	
4.4	Section 4.4: Gabions & Pitching	
4.5	Section 4.5: Concrete	
4.6	Section 4.6: Structural Steel & GRP	
4.7	Section 4.7: Medium Pressure Pipelines	
4.8	Section 4.8: Pipework Assemblies	
4.9	Section 4.9: Bedding	
4.10	Section 4.10: Stormwater	
Total Carried Forward To Summary Of Schedules		

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5.1	LPE	LIGHTNING PROTECTION AND EARTHING INSTALLATION				
		Design where required , supply all materials, plant etc. manufacture, deliver to site, draw ex stores, supply scaffolding and all supporting material, install, test and commission, guarantee and maintain the plant for 12 months and submit operating / maintenance manuals for the lightning protection and earthing installation in the following areas all to SANS Standards , and the Local Authority and Coega Development Corp requirements and approval and as specified and shown on drawings for the New Coegakop Reservoir.				
5.1.2		Supply ,install ,test and commission the following: (Note all items are re-measurable. Do not order from the bill, but meaur on site)				
5.1.1.1	LPE 11 LPE 12	Carry out the earth resisitivy survey and provide test results and earthing recommendations and number of electrodes required	Sum	1.00		
5.1.1.2		Supply and install 70mm ² PVC insulated ground earth ring main (buried 600mm deep)	m	240.00		
5.1.1.3		Supply and install 70mm ² PVC insulated earth bonding conductor for bonding from earth mat to earth bushers on concrete walls or columns	m	40.00		
5.1.1.4		Supply and install 70mm ² PVC insulated earth bonding conductor for bonding from earth mat to steel columns or steel structures (rate only)	m	1.00		
5.1.1.5		Supply and install 70mm ² PVC insulated earth bonding conductor for bonding from earth mat or bushes in conduit to upper level or roof terminal conductor or re-inforcing steel in roof slab	m	160.00		
5.1.1.6		Supply and install 70mm ² PVC insulated earth bonding conductor for bonding from earth mat or bushes to steel catladders, staircases , handrailing , tanks, vessels , pumps, motors etc	m	20.00		
5.1.1.7		Supply and install 70mm ² PVC insulated earth bonding conductor for bonding from roof termial conductor to re-inforcing steel in slabs , roof slabs etc	m	16.00		
5.1.1.8		Supply and install the pilcap to column connection as per pilcap earthing detail on	No.	1.00		
5.1.1.9		Supply and install 70mm ² terminations	No.	32.00		
5.1.1.10		Supply and install 70/70mm exothermic welded connections	No.	45.00		
5.1.1.11		Supply and install 2m long copper clad earth electrodes with driver and pointed tip	No.	22.00		
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
5.1.1.12		Supply and install earth inspection wells as per detail set in concrete	No.	1.00		
5.1.1.13		Denso wrap all exothermic and other underground connections	No.	40.00		
5.1.1.14		Supply and install 25 dia PVC conduit for installation in concrete walls, columns or floors etc	m	160.00		
5.1.1.15		Cut existing concrete or tarred surfaces and patching thereafter for installation of earth ring main or bonding conductors	m	5.00		
5.1.1.16		Allow for trenching in intermediate to hard ground surfaces to install earth ring main	m	220.00		
5.1.1.17		Allow for backfilling of trenches using selected backfill material from trench excavations	m	220.00		
5.1.1.18		Supply and install earth bushes installed flush with concrete walls , columns, plinths etc	m	22.00		
5.1.1.19		Supply and install earth test points on all down conductors (including 100x100 junction boxes cast flush in concrete columns and brickwork etc)	No.	22.00		
5.1.1.20		Tap and drill steel structures and other steel members to receive 70mm ² terminations	No.	4.00		
5.1.1.21		Supply and install 300- 500mm long standard earth bar with stand-off insulators	No.	1.00		
5.1.1.22		Supply and install 10dia solid aluminium roof earth terminal conductor on concrete roof or upstand	m	180.00		
5.1.1.23		Supply and install 25mm dia stainless steel conduit for protection and support of earth conductors	m	1.00		
5.1.1.24		Allow an amount to label all test points to general standards or Client or supply authority standards	Sum	1.00		
5.1.1.25		Supply and install Ponte Choke to industry standards	Sum	1.00		
5.1.1.26	LPE 16	Test and commission the entire installation in the New Coegakop Reservoir and hand-over completed work (include to provide all test and commissioning equipment)	Sum	1.00		
5.1.1.27		Supply the earthing test certificates and compliance certificates for the New Coegakop Reservoir	Sum	1.00		
5.1.1.28		Locate existing earth mat or earth point on existing reservoir or earth mat etc and connect to new earth ring main	Sum	1.00		
Total Carried Forward						

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward						
5.1.1.29	LPE 16	Test continuity from concrete roof air termination system to earth mat or earth ring main	Sum	1.00		
5.1.1.30		Supply operating instructions , including providing 4 hard and soft copies or sets of the O & M manuals, test and compliance certificates, hand over data packs, as built layouts etc for the complete lightning protection and earthing installation	Sum	1.00		
5.1.1.31	LPE 16	Allow a provisional amount of R 30 000,00 for the Engineer to witness the contractor to carry out resistivity and earth tests on site	Sum	1.00		
5.1.1.32		Allow for profit and attendance on item 5.1.1.31	%	30 000.00		
5.1.1.33		Allow a provisional sum of R 20 000,00 for any un-foreseen work. This amount to be used entirely at the discretion of the Client and Engineer (Add 10% mark up as profit and attendance)	Sum	1.00		
5.1.1.34		Any other item the tenderer considers has been omitted and which requires pricing as separate items as follows :	Sum	1.00		
		a)				
		b)				
		c)				
Total Carried Forward To Summary						

