



CALL FOR BIDS

BID NO: ECDC ECDC/INFRA/28/012024

BID SUBJECT: COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAYS RIVER

Consisting Of:

- The Tender (Returnable) - This Document**
- The Bills of Quantities - This Document**
- Drawings**
- Specification Document**
- Construction Health and Safety Specification**

BIDDER NAME:

CSD No:

CRS No.:

CLOSING DATE:	23 February 2024
CLOSING TIME:	12h00

Head office: EAST LONDON T: (+27) 043 704 5600 • PORT ELIZABETH T: (+27) 041 373 8260 • QUEENSTOWN T: (+27) 045 838 1910
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SECTION A: ABBREVIATIONS AND ACRONYMS	
CIDB	Construction Industry Development Board
DTI	Department of Trade and Industry
ECDC	Eastern Cape Development Corporation
EME	Exempt Micro Enterprise
IRBA	Independent Regulatory Board of Auditors
PCCA	Prevention and Combating of Corrupt Activities Act 12 of 2004
PFMA	Public Finance Management Act (Act 1 of 1999)
PPPFA	Preferential Procurement Policy Framework Act (Act 5 of 2000)
QSE	Qualifying Small Enterprise
SABS	South African Bureau of Standards
SANAS	South African National Accreditation System
SARS	South African Revenue Service
SASAE	South African Standard on Assurance Engagements
SCM	Supply Chain Management
SMME	Small, Medium and Micro Enterprises
ToR	Terms of Reference
CSD	National Treasury Central Supplier Database for South African Government
B: DEFINITIONS	
Acceptable tender	Means any tender which, in all respects, complies with the specifications and conditions of tender set out in the tender document.
Accreditation Body	Means the South African National Accreditation System or any other entity appointed by the Minister from time to time whose function it is to: Accrediting verification agencies Developing, maintaining, and enforcing of Verification Standards.
Affordable	Means (in terms of a PPP-Agreement) that the financial commitments to be incurred can be met by funds: Designated within ECDC's existing budget for the function to which the agreement relates; and Destined for ECDC in accordance with the relevant Treasury's future budgetary projections.
All applicable taxes	Includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.
Bid	Means a written offer or proposal to supply goods and/or provide services, submitted in response to the ECDC's invitation to quote or submit proposals which includes advertised competitive bids, written price quotations or proposals.
Bid Specification	A specification that lays down the characteristics of goods to be procured or their related processes and production methods, or the characteristics of services to be procured or their related operating methods, including the applicable administrative provisions, and a detailed requirement relating to conformity assessment procedures that an entity prescribes and shall include TOR for specialised services.

Black People	Means 'African', 'Indian' and 'Coloured' people who are citizens of the Republic of South Africa by birth; or are citizens of the Republic of South Africa by naturalisation before the commencement date of the Constitution of South Africa Act (1993); or became citizens of the Republic of South Africa after the commencement of the Constitution of South Africa Act (1993), but who for the Apartheid policy that has been in place to that date, would have been entitled to acquire citizenship by naturalisation prior to that date.
Specific goal	<p>2.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table in SBD</p> <p>6.1 as may be supported by proof/ documentation stated in the conditions of this tender:</p> <p>2.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—</p> <p>(a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system: or</p> <p>(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system, then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.</p>
Close Family Member	Shall mean: - member of the same household, parent (including adoptive parent), parent-in-law, son (including adoptive son), son-in-law, daughter (including adoptive daughter), daughter-in-law, step-parent, step-son, step-daughter, brother, sister, grandparent, grandchild, uncle, aunt, nephew, niece, the spouse or unmarried partner with relation to any of the person's above.
Code of Ethics	Refer to the ECDC Code of Ethics for Management and Staff as may be amended from time to time.
Comparative Price	Means the price after the factors of a non-firm price and all the unconditional discounts that can be utilised have been taken into consideration.
Consortium or Joint Venture	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.
Contract	Means the agreement that results from the acceptance of a bid by ECDC.
Designated Sector	Means a sector, sub-sector or industry that has been designated by the DTI in line with national development and industrial policies for local production, where on local produced goods or locally manufactured goods meet the stipulated minimum threshold for local production and content.
Duly Signed	Means a document that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief

	Executive, or senior member / person with management responsibility (close corporation, partnership or individual).
Exempt Micro Enterprise (EME)	Means an enterprise with a specified total annual revenue as per Department of Trade and Industry Codes of Good Practice on Broad Based Black Economic Empowerment
Family Member	Means a husband or wife, any partner in a customary union according to indigenous law or any partner in a relationship where the parties live together in a manner resembling a marital partnership or a customary union; and any person related to either one or both persons referred above within the second degree through a marriage, a customary union, or a relationship or the third degree of consanguinity.
Firm Price	Means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract.
Fronting	Means a deliberate circumvention or attempted circumvention of the B-BBEE Act and the Codes. Fronting commonly involves reliance on data or claims of compliance based on misrepresentation of facts, whether made by the party claiming compliance or by any other person.
Functionality	Means the measurement according to predetermined norms, as set out in the tender documents, of a service or commodity that is designed to be practical or useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of the tenderer.
Imported Content	Means that portion of the tender price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the bidder or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour or intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African port of entry.
In the service of the state	Means: an employee of any municipality who has a performance contract with the municipality and is employed on a permanent, temporary, or short-term basis. an employee or public servant of any national or provincial government as defined in terms of Public Services Act. a member who – is a councillor of any municipal council as defined in the Local Government Municipal Structures Act (Act No 117 of 1998); is a politician serving in any provincial legislature; or is a politician serving in the National Assembly or the National Council of Provinces, a member of the board of directors of any municipal entity, an employee and a member of a government owned entity as defined in the Public Finance Management Act (Act No 1 of 1999);

	and / or such other meaning ascribed to it by National Legislation from time to time.
Local content	Means a portion of the tender price, which is not included in the imported content, provided that local manufacture does take place.
Non-firm prices	Means all prices other than "firm" prices
Person	Includes a juristic person.
Price Quotation	An estimate describing the product, stating its price, time of shipment, and specifies the terms of the sale and terms of the payment.
Property	Includes all movable and immovable property and intellectual property belonging to ECDC.
Public Private partnership	<p>Means a commercial transaction between ECDC and a private party in terms of which:</p> <p>the private party either performs a function o.b.o. ECDC for a specified or indefinite period or acquires the use of state property for its own commercial purposes for a specified or indefinite period.</p> <p>the private party receives a benefit for performing the function or by utilizing state property, either by way of:</p> <p>compensation from a revenue fund charges or fees collected by the private party from users or customers of a service provider to them; or a combination of such compensation and such charges or fees.</p>
Qualifying Small Entity	Means an enterprise with a specified total annual revenue as per Department of Trade and Industry Codes of Good Practice on Broad Based Black Economic Empowerment
Rand value	Means the total estimated value of a contract in South African currency, calculated at the time of bid invitations, and includes all applicable taxes and excise duties.
Related enterprise	Means an entity controlled by a measured entity whether directly or indirectly controlled by the natural persons who have direct or indirect control over that measured entity or the immediate family of those natural persons.
Service Level Agreement	Shall have the same meaning assigned as "Contract".
Shareholder	Means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.
State	<p>Means:</p> <p>any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the PFMA</p> <p>any municipality or municipal entity</p> <p>national Assembly or the national Council of Provinces; or parliament.</p>
Stipulated minimum threshold	Means that portion of local production and content as determined by the DTI.
Sub-Contract	Means the primary contractor's assigning, leasing, making out work to, or employing, another person to support such primary contractor in the execution of part of a project in terms of the contract.

Tender	The same meaning is assigned as 'Bid" above.
Threshold	Shall mean the financial limits on the value of goods or services to be procured as set and prescribed in this policy which shall determine the manner in which these goods and services will be procured.
Total revenue	Means the total income of an entity from its operations as determined under South African Generally Accepted Accounting Practice.
Trust	Means the arrangement through which the property of one person is made over or bequeathed to a trustee to administer such property for the benefit of another person.
Trustee	Means any person, including the founder of a trust, to whom property is bequeathed in order for such property to be administered for the benefit of another person.
Value for Money	Means that the item (public-private partnership agreement) results in a net benefit to ECDC defined in terms of cost, price, quality, quantity, or risk transfer, or a combination thereof.

Part T1: Tendering Procedures

T.1.1

TENDER NOTICE AND INVITATION TO BID

1. Invitation to Bid

Eastern Cape Development Corporation (ECDC) wishes to engage with a suitable contractor with a CIDB Grading of 7GB or Higher for the Completion of construction of the Zuurberg Peace Memorial Project – Sundays River.

The project is situated in Zuurberg, Eastern Cape, South Africa.

Zuurberg Peace Memorial: 33°21'06.2"S 25°44'36.4"E

A Detailed scope of services is described in Scope of Work Section below.

2. Eligibility to Bid

- a) Bidders should meet the Mandatory Requirements in order be evaluated T2.1
- b) **It is estimated that bidders should have a CIDB grading of 7GB or Higher.**
- c) Only those tenderers who are registered with the CIDB prior to submissions of bid with a contractor grading equal in accordance with the sum tendered, or a value determined in accordance with **Regulation 25 (1B) or 25 (7A) of the Construction Industry Development Regulations, for the above-mentioned grading classes of construction work, are eligible to have their tenders evaluated.**

3. Payment of Bid Document

No payment is due to obtain tender documents.

4. Collection /Availability of Documents

Documents will be available for downloading from the ECDC website at www.ecdc.co.za .

5. Queries on Bid Document

Queries relating to the issue of these documents may be addressed to Ms B Fukweni,
E- Mail at tenders@ecdc.co.za and cc bfukweni@ecdc.co.za

6. Estimated Timeline

Activity	Date	Time
1. Placing of Advert	Daily Dispatch, E-tender, CIDB, Load on ECDC Website for 21 Days. 02 February 2024	n/a
2. Compulsory Briefing Meeting	A compulsory briefing meeting to be held at the Zuurberg Peace Memorial (Sundays River) on the 13th of February 2024 starting at 11h00 . Co-ordinates: 33°21'06.2"S 25°44'36.4"E	
3. Last day of questions	5 days before closing date	16H00
4. Final date of submission of bids	23 February 2024	12h00
5. Bid Validity	90 days	

6.1. Briefing Session and Site Location

A compulsory briefing meeting to be held at Zuurberg Peace Memorial (Sundays River) on the 13th of February 2024 at 11h00AM.

For any enquiries relating to this Bid please email the procurement department at tenders@ecdc.co.za and cc bfukweni@ecdc.co.za, attention Ms B Fukweni.

Communication with the Bidders and any clarity on Queries Bid will be posted on the website at www.ecdc.co.za and will also be communicated to the bidders via email where the Bidder has indicated to ECDC that they are interested in submitting a bid.

Bidders must visit the site to ensure that their proper assessment of the site is done and that the Bill of Quantities is priced correctly.

Bidders must acquaint themselves of the current site conditions, works complexity and associated safety risks.

ECDC will only consider bidders that have attended the briefing meeting.

Telephonic, emailed, telexed, facsimile, and late tenders will not be accepted.

Tenders may only be submitted on the tender documentation that is issued.

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the **Tender Data**.

T1.2 Tender Data

The conditions of tender are the Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Construction Procurement (January 2019) as published in Government Gazette No 42622, Board Notice 423 of 2019 on the 8th of August 2019 (See www.cidb.org.za).

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.

Clause number	Tender Data
A.1.1	The employer is Eastern Cape Development Cooperation (ECDC)
A.1.2	<p>The Tender Documents issued by the Employer comprise the following documents:</p> <p>THE TENDER</p> <p>Part T1: Tendering procedures</p> <p>T1.1 - Tender notice and invitation to tender T1.2 - Tender data</p> <p>Part T2: Returnable documents</p> <p>T2.1 - List of returnable documents T2.2 - Returnable schedules</p> <p>THE CONTRACT</p> <p>Part C1: Agreements and Contract data</p> <p>C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Form of Guarantee</p> <p>Part C2: Pricing data</p> <p>C2.1 - Pricing Instructions C2.2 - Bill of Quantities</p> <p>Part C3: Scope of work</p> <p>C3 - Scope of work</p> <p>Part C4 : Site Information</p> <p>C4 - Drawings</p>

A.1.4	<p>During Tender stage all communication shall be through the Procurement Department for attention:</p> <p>Name: Ms. B Fukweni</p> <p>Address: ECDC Head Office at ECDC House Ocean Terrace Park Moore Street Quigney, East London</p> <p>Tel: 043 704 5600 E-mail: tenderes@ecdc.co.za bfukweni@ecdc.co.za</p>
A.2.1	<p>Only those tenderers who are registered with the CIDB or are capable of being so prior to the evaluation of submissions, in 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 CIDB Regulations are eligible to have their tenders evaluated.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> 1. every member of the joint venture is registered with the CIDB, 2. the lead partner has a contractor grading designation in the GB (General Building Works (GB) class of construction work; not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status. 3. 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 GB class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations.
A.2.1	<p>Not Applicable for this Bid</p> <p>The following tenderers 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> <ol style="list-style-type: none"> a) 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 Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, for an 7GB class of construction work; and b) contractors registered as potentially emerging enterprises with the CIDB who are registered in one contractor grading designation lower than that required in terms of a) above and who satisfy the following criteria **

A.2.7	<p>The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender.</p> <p>Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to, and tenders will be received only from those tendering entities appearing on the attendance list.</p>
A.2.12	<p>Not Applicable for this Bid</p> <p>Main tender offers are not required to be submitted together with alternative tenders.</p>
A.2.12	<p>No alternative tender offers will be considered.</p>
A.2.12	<p>Not Applicable for this Bid</p> <p>If a tenderer wishes to submit an alternative tender offer, the only criteria permitted for such alternative tender offer is that it demonstrably satisfies the Employer's standards and requirements, the details of which may be obtained from the Employer's Agent.</p> <p>Calculations, drawings and all other pertinent technical information and characteristics as well as modified or proposed Pricing Data must be submitted with the alternative tender offer to enable the Employer to evaluate the efficacy of the alternative and its principal elements, to take a view on the degree to which the alternative complies with the Employer's standards and requirements and to evaluate the acceptability of the pricing proposals. Calculations must be set out in a clear and logical sequence and must clearly reflect all design assumptions. Pricing Data must reflect all assumptions in the development of the pricing proposal.</p> <p>Acceptance of an alternative tender offer will mean acceptance in principle of the offer. It will be an obligation of the contract for the tenderer, in the event that the alternative is accepted, to accept full responsibility and liability that the alternative offer complies in all respects with the Employer's standards and requirements.</p> <p>The modified Pricing Data must include an amount equal to 5% of the amount tendered for the alternative offer to cover the Employer's costs in confirming the acceptability of the detailed design.</p>
A.2.13. 3	<p>One original duly signed (by authorised representative) and completed bid document (hardcopy) MUST be submitted inclusive of the terms and conditions of this bid document with any attachments/annexures /returnable required for this Bid.</p> <p>A PDF soft copy of the duly signed and completed original bid (e.g., PDF format in Flash drive/disc) should be submitted with the Original duly signed and completed hardcopy bid document however non-submission of a soft copy will not result in the Bid being disqualified.</p> <p>ECDC will not be responsible if your bid is not submitted on time. All bid documents are to be completed in permanent black ink.</p> <p>No alterations of the Bid Document will be allowed.</p> <p>No correction fluid will be allowed. Corrections should be initialled.</p>

A.2.13.5 A.2.15.1	<p>Valid originally firmly bound signed complete tender document (by authorized representative) must be placed in the Bid Box on or before the final date and time of submission.</p> <p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>a) Location of tender box:</p> <p>Bid Reference Number: ECDC/INFRA/28/012024</p> <p>Project Name: COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAYS RIVER</p> <p>Delivered at Physical Address: ECDC Head Office at ECDC House, Ocean Terrace Park, Moore Street, Quigney, East London.</p> <p>Bids/Tender offers must be submitted on or before the final date and time of submission of bids as indicated in the Tender Notice and invitation to Tender.</p> <p>It is the Bidders responsibility to ensure that all the documents are received on time. The bid box is open on weekdays between 08h00 and 16h30</p>
A.2.13.6 A.3.5	<p>Not Applicable for this Bid</p> <p>A two-envelope procedure is required.</p>
A.2.13.9	<p>Telephonic, email, telegraphic, telex, email, or facsimile tender offers will not be accepted.</p>
A.2.15	<p>The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.</p>
A.2.16	<p>The tender offer validity period is 90 days.</p>
A.2.18	<p>Not applicable to this bid</p> <p>The tenderer shall, when requested by the Employer to do so, submit the names of all management and supervisory staff that will be employed to supervise the Labour-Intensive portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements.</p> <p>Tenders to submit the associated names being part of the returnable documents failure to submit can result in the tender being eliminated.</p>
A.2.19	<p>Access shall be provided for the following inspections, tests, and analysis:</p> <p>The site is available for viewing the location of the works.</p>
A.2.20	<p>The tenderer is required to submit with his tender a letter of intent from an approved insurer undertaking to provide the Performance Bond to the format included in Contract Data/Contract of this procurement document.</p>

A.2.22

Not Applicable for this Bid

Return all retained tender documents within 28 days after the expiry of the validity period.

A.2.23	<p>The tenderer is required to submit with his tender:</p> <p>1) Tax Compliance</p> <p>Bidders must ensure compliance with their tax obligations.</p> <p>In Bids where Consortia/Joint venture/Sub-Contractors are involved; each party must submit a separate proof of Tax Compliance Status.</p> <p>The bidders' Tax status will be verified on the CSD prior to the bid award and where the preferredbidders is not compliant, 7 working days will be granted for remedy, failing which the bidder willbe disqualified.</p>
A.3.1.1	<p>The Employer will respond to requests for clarification received up to 5 working days before the tenderclosing time.</p>
A.3.4	<p>Opening of the Bids</p> <p>There will be NO PUBLIC OPENING of the Bids received; however, the list of bids received maybe published on the ECDC website and will be sent to the Bidders that have submitted bids via email.</p> <p>There will be no discussions with any Bidder/Interested Party that Submitted Proposals/ Bids until evaluations have been complete. Any subsequent discussions shall be at the discretion of ECDC.</p>
A.3.11.1	<p>The financial offer will be reduced to a comparative basis.</p>
A.3.11.2	<p>Not Applicable for this Bid</p> <p>The procedure for the evaluation of responsive tenders is Method 1.</p>

A.3.11.3 Evaluation Criteria

This bid is subject to the Preferential Procurement Policy Framework Act and the Preferential Procurement Regulations 2022 as applicable to provincial government business enterprises as listed under schedule 3(D) of the Public Finance Management Act and the ECDC Procurement Policy as amended from time to time.

The procedure for evaluation of tenders is as follows:

Stage 1	Service Providers are to meet all the Mandatory Requirements to be evaluated further. Failure to submit the Mandatory Requirements as required will result in the bid being disqualified. Involves a valuation of local production and content (goods) only. At this stage Bidders must meet the minimum threshold for local production and content as determined by the DTI for local content before they will be evaluated in terms of preferential procurement points. Bidders to complete the Declaration for Local Production and Content for Designated Sectors and Local Content Declaration: Summary Schedule (Annex C)
Stage 2	Functionality: Involves an evaluation of Functionality only – At this stage Bidders must score a minimum score of 70% (49/70) for functionality (services) to be evaluated for Stage 3 (Preferential procurement points).
Stage 3	Preferential Procurement points: Price: Points will be calculated for price on the relevant prices in accordance with the preference point system, 80/20.

Functionality Criteria	Maximum number of points
Completed Similar Projects	30
Experience and Qualifications of the Key Personnel	30
Assessment of Financial Capability	10
Maximum possible score for functionality (M_s)	70

A.3.11.3	<p>The evaluation criteria and maximum score in respect of each of the criteria are as follows: (Details on Functionality Evaluation are on T2.1)</p> <p>Functionality shall be scored by not less than three evaluators in accordance with the Functionality Criteria Evaluation below.</p> <p>The minimum percentage to be achieved for functionality is 70% (or 49/70 points).</p>
A.3.13	<p>Tender offers will only be accepted if:</p> <ul style="list-style-type: none"> a) the tenderer is Tax Compliant <ul style="list-style-type: none"> ✓ tenderers must ensure compliance with their tax obligations. ✓ in Bids where Consortia/Joint venture/Sub-Contractors are involved; each party must submit a separate proof of Tax Compliance Status. ✓ the tenderer Tax status will be verified on the CSD prior to the bid award and where the preferred bidder is not compliant, 7 working days will be granted for remedy, failing which the bidder will be disqualified. b) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation. c) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement. d) the tenderer has not: <ul style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect. e) the tenderer is able, in the opinion of the employer, to perform the contract free of conflicts. f) the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2003, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely. g) the tenderer can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise, and the personnel, to perform the contract. h) the tenderer has the legal capacity to enter the contract. i) the tenderer is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing; j) the tenderer complies with the legal requirements, if any, stated in the tender data; and

A.3.17	The number of paper copies of the signed contract to be provided by the employer is one (1).
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Part T2: Returnable documents

T2.1 - List of returnable documents

T2.2 - Returnable schedules

1. Evaluation Criteria

This bid is subject to the CIDB and Preferential Procurement Policy Framework Act and the Preferential Procurement Regulations 2022 as applicable to provincial government business enterprises as listed under schedule 3(d) of the Public Finance Management Act and the ECDC Procurement Policy as amended from time to time.

The procedure for evaluation of tenders is as follows:

Stage 1	Service Providers are to meet all the Mandatory Requirements in order to be evaluated further. Failure to submit the Mandatory Requirements as required will result in the bid being disqualified. Stage 1 involves a valuation of local production and content (goods) only. At this stage Bidders must meet the minimum threshold for local production and content as determined by the DTI for local content before they will be evaluated in terms of preferential procurement points. Bidders to complete the Declaration for Local Production and Content for Designated Sectors and Local Content Declaration: Summary Schedule (Annex C)
Stage 2	Functionality: Involves an evaluation of Functionality only – At this stage Bidders must score a minimum score of 70% (49/70) for functionality (services) in order to be evaluated for Stage 3 (Preferential procurement points).
Stage 3	Preferential Procurement points: Price: Points will be calculated for price on the relevant prices in accordance with the preference point system, 80/20 .

1.1. MANDATORY LIST OF TENDER RETURNABLES

Service Providers are to meet all the Mandatory Tender Requirements in order to be evaluated further for Stage 1. Failure to submit the Mandatory Requirements as required will result in this bid being disqualified.

Description	Disqualification if not submitted with Bid Document or Bidder is found to be Non- Compliant at the Time of Bid Close	Mandatory Requirement for Award
<p>1. Bidders must be registered on the National Treasury Central Supplier Database (CSD). The following information will be verified on the National Treasury Central Supplier Database:</p> <ul style="list-style-type: none"> Business Registration including details of directorship and membership, - The bidders' Business Registration Status will be verified on the CSD prior to the bid award and where the preferred bidder's status is under deregistration, 7 working days will be granted for remedy, failing which the bidder will be disqualified. ID Number, Government Employee Tender Defaulting and Restriction Status. Should the Tender be a restricted supplier or a defaulting supplier they will be disqualified. <p><u>Onus on the Service Provider</u> Onus is on the Service Provider to make sure that all these are active and compliant on the CSD at the time of bid closing and tender award. ECDC will verify if the Service Provider has been registered on CSD. Service Provider to submit CSD Number as required in the Cover Page. It is the responsibility of the Service Provider to ensure that the correct CSD Number is provided.</p>	Yes	Yes

	<p>If Service Provider is not registered on CSD by the time of closing of the bid, they will not be considered for evaluation.</p> <p><u>Directors in the Service of State</u></p> <p>Where a person within the Bidding Entity is an Employee of the State, Bidder should</p> <ol style="list-style-type: none"> a. submit a signed letter on a letter head from their Accounting Officer/Accounting Authority (AO/AA of the Government Institution where they are employed) stating that they are not prohibited from conducting business with the State in terms of Section 8 of the Public Administration Management Act, 2012 (Act No.11 of 2014- "The PFMA") b. submit a signed letter on a letter head from their AO/AA granting permission to perform other remunerative work outside of their employment where the PAMA does not apply to such an employee. <p>ECDC reserves the right to verify such information from their AO/AA.</p> <p><u>JV's and Consortium</u></p> <p>Where the Bidder is a JV/Consortium, each firm must be registered on the CSD.</p>		
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2.	<p>Tax Compliance Requirements:</p> <ul style="list-style-type: none"> • Bidders must ensure compliance with their tax obligations. • The bidders' Tax status will be verified on the CSD prior to the bid award and where the preferred bidders is not compliant, 7 working days will be granted for remedy, failing which the bidder will be disqualified. • In Bids where Consortia/Joint venture/sub-contractors are involved, each party must submit a separate proof of Tax Compliance Status Certificate/SARS Pin Number/CSD Number. 	No	Yes
3.	<p>CIDB Requirements:</p> <p>Only those tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in 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 Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, for a 7GB (General Building) or higher class of construction work, are eligible to have their tenders evaluated.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> 1. every member of the joint venture is registered with the CIDB; 2. the lead partner has a contractor grading designation in the GB (General Building) class of construction work; not lower than one level below the required grading designation in the class of works construction works under considerations and possess the required recognition status. 3. 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 GB class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations. <p>ECDC will verify whether the Bidders have an active and valid CIDB registration as required above</p>	Yes	Yes
4.	<p>Annexure C – Supplier Information (Completed and Signed by the Delegated Authority) Attach Delegation of Authority</p>	Yes	Yes

5.	Annexure L – C.1.1 Form of Offer and Acceptance Offer (Completed and Signed by the Delegated Authority) Attach Delegation of Authority.	Yes	Yes
6.	Annexure G - (SBD 4): Bidders disclosure. (Completed and Signed by the Delegated Authority) Attach Delegation of Authority.	Yes	Yes
7.	Annexure H: Compulsory Declaration (Completed and Signed by the Delegated Authority) Attach Delegation of Authority.	Yes	Yes
8	<p>Declaration with regards to Company /Firm Location</p> <p>Attach a proof of address to claim points for the Eastern Cape base locality as the specific goal as advised in the tender / quotation qualifies the company/firm for the PPR of 2022 preference points claim.</p> <p>Failure to submit the declaration and proof of address for each JV /Consortium member may result in awarding of 0 (zero) points preference points under Eastern Cape Locality.</p> <p>This information will be verified from the FICA documents (Physical Address, Utility Bill, Telephone, Tax Clearance, lease agreement submitted by the bidder).</p> <p>Failure to submit the declaration and proof of address may result in awarding of 0 (zero) points preference points under Eastern Cape locality.</p>	No	Yes
9	<p>Annexure I – (SBD 6.1.): Preferential Points Claim (Signed and Completed).</p> <p>CSD report will be used to confirm other specific goals listed in Table 1 of the SBD 6.1 document.</p> <p>Failure to submit the preference points claim and proof of address may result in awarding of 0 (zero) points preference points under Eastern Cape locality.</p>	No	No

10	<p>Duly signed Letter of Authority MUST be submitted authorising the individual to sign on behalf of the bidder if:</p> <p>a) If there are more than one Owner/ Director / Shareholder / Member / Trustee etc. OR</p> <p>b) If there is only one Director / Shareholder / Member / Trustee / Owner etc. and they are not the one completing the bid document.</p> <p>Note: The Letter of Authority MUST be signed by all directors of the Bidder (or a signed Board Resolution authorising the signatory will be accepted).</p>	Yes	Yes
11.	ANNEXURE J (which includes local content annexures C, D & E): Declaration of Local Content (SBD 6.2) (Completed and Signed by the Delegated Authority) Attach Delegation of Authority	Yes	Yes
12.	Priced Bills of Quantities completed in black ink.	Yes	Yes
The following will be applicable to Joint Ventures/Consortium			
	Consortium/Joint Venture Agreement to enter in a Consortium / Joint Venture signed by all Consortium Members who are Duly Authorized.	Yes	Yes
	Resolution of the Board of Directors to enter into a Consortium or Joint Venture from each member firm of the Consortium/Joint Venture for this Bid.	Yes	Yes
	Letter of Authority of Signatory(individual) authorizing the Signatory to sign on behalf of the Consortium/JV. The Letter of Authority should be from each member firm and must be signed by all directors of each member firm (or Board Resolution will be accepted).	Yes	Yes
	It must be noted that the scoring of joint ventures/consortia on a proportional basis applies to bids for both the acquisition of goods and services and income generating contracts.	Yes	Yes
Declaration with regards to Company /Firm Location			
	Attach a proof of address to claim points for the Eastern Cape base locality as the specific goal as advised in the tender / quotation qualifies the company/firm for the PPR of 2022 preference points claim. Failure to submit the declaration and proof of address for each JV /Consortium member may result in awarding of 0 (zero) points preference points under Eastern Cape Locality.	Yes	No

<p>This information will be verified from the FICA documents (Physical Address, Utility Bill, Telephone, Tax Clearance, lease agreement submitted by the bidder).</p> <p>Failure to submit the declaration and proof of address may result in awarding of 0 (zero) points preference points under Eastern Cape locality.</p>		
<p>Annexure I – (SBD 6.1.): Preferential Points Claim (Signed and Completed).</p> <p>CSD report will be used to confirm other specific goals listed in Table 1 of the SBD 6.1 document.</p> <p>Failure to submit the preference points claim and proof of address may result in awarding of 0 (zero) points preference points under Eastern Cape locality.</p>	No	No

KINDLY NOTE THAT, FAILURE TO SUBMIT THE REQUIRED MANDATORY DOCUMENTATION WITH THE BID WILL RESULT IN YOUR BID BEING DISQUALIFIED WITHOUT FURTHER CONSIDERATION.

Bidders shall take note of the following conditions:

1. The successful bidder will be required to submit a Letter of Good Standing from the Compensation Commission within 14 days after award and before the contract can be signed.
2. Performance Guarantee to be submitted within 14 days after award.
3. The Bid Validity period is 90 days.
4. An approved and project specific Health and Safety file within 14 days upon appointment.
5. A Proposed Project Execution Plan & Program to proceed with works with occupied buildings within 14 days upon appointment.
6. Submission of a Construction Works Insurance for all works upon appointment.
7. No correction fluid to be used and all errors to be initialled.

Queries relating to the issue of these documents may be addressed in writing to:

Ms B Fukweni
tenders@ecdc.co.za or bfukweni@ecdc.co.za

1.2. STAGE 1: EVALUATION OF LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS AND LOCAL CONTENT DECLARATION

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the ECDC Supply Chain Management Policy, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1 ECDC Supply Chain Management policy makes provision for the promotion of local production and content.
- 1.2 ECDC Supply Management Policy prescribes that in the case of designated sectors, tenders must be advertised with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3 Where necessary, for tenders referred to in paragraph 1.2 above, a three stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage functionality with a minimum threshold of 70% and third stage of price and specific goals.
- 1.4 A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5 The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:
$$LC = [1 - \frac{x}{y}] * 100$$
Where

x is the imported content in Rand 27

- 1.6 A bid may be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation.

y is the bid price in Rand excluding value added tax (VAT) Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on <http://www.thedti.gov.za/industrial> development/ip.jsp at no cost.

2. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid: Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in table 1 below.

Bidder that fails to meet the minimum stipulated threshold for local production and content will be unacceptable and will not proceed to stage 2.

.....

SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS:

.....
.....

WITNESSES:

1.

2.

**ANNEXURE J: SBD 6.2 – Declaration Certificate For Local Production And Content for Designated Sector Note:
Mandatory Requirement. Failure to complete and Sign this document will result in the bid being non responsive.**

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the ECDC Supply Chain Management Policy, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1** ECDC Supply Chain Management policy makes provision for the promotion of local production and content.
- 1.2** ECDC Supply Management Policy prescribes that in the case of designated sectors, tenders must be advertised with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3** Where necessary, for tenders referred to in paragraph 1.2 above, a three stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage functionality with a minimum threshold of 70% and third stage of price and specific goals.
- 1.4** A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5** The local content (LC) as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = \frac{x}{y} \times 100$$

Where

- x** imported content
- y** bid price excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date, one week (7 calendar days) prior to the closing date of the bid as indicated in paragraph 4.1 below.

**The SABS approved technical specification number SATS 1286:2011 is accessible on
<http://www.thedti/industrialdevelopment/ip.jsp> at no cost**

- 1.6** A bid will be disqualified if this Declaration Certificate and the Annex C (Local Content Declaration : Summary Schedule) are not submitted as part of the bid documentation;.

2. Definitions

2.1 “bid” includes advertised competitive bids, written price quotations or proposals

2.2 bid price” price offered by the bidder, excluding value added tax (VAT);

2.3 “contract” means the agreement that results from the acceptance of a bid by an organ of state;

2.4 “designated sector” means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production;

2.5 where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;

2.6 “duly sign” means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility (close corporation, partnership or individual).

2.7 “imported content” means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and

2.8 which costs are inclusive of the costs abroad, plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;

2.9 “Local content” means that portion of the bid price which is not included in the imported content, provided that local manufacture does take place;

2.10 “Stipulated minimum threshold” means that portion of local production and content as determined by the Department of Trade and Industry; and

2.11 “sub-contract” means the primary contractor’s assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contractor in the execution part of a project in terms of the contract

The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011 for this bid is/are as follows

Table 1

Designated Sector /Sub-sector/ Industries	Minimum threshold for local content
Steel Products	100%
Plastic Products	100%
Cement (All classes)	100%

3. Does any portion of the services, works or goods offered have any imported content?
(Tick Applicable Box)

YES	NO
-----	----

3.1. If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by SARB for the specific currency at 12:00 on the date, one week (7 calendar days) prior to the closing date of the bid.

The relevant rates of exchange information is accessible on www.reservebank.co.za.

Indicate the rate(s) of exchange against the appropriate currency in the table below:

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders must submit proof of the SARB rate (s) of exchange used.

4. Where , after the award of a Bid, challenges are experienced in the meeting the stipulated minimum threshold for local content, the DTI must be informed accordingly in order for the DTI to verify and consultation with the AO/AA provide directive in this regard.

**LOCAL CONTENT DECLARATION BY THE CHIEF FINANCIAL OFFICER OR OTHER
LEGALLY RESPONSIBLE PERSON NOMINATED IN WRITING BY THE CHIEF
EXECUTIVE OR SENIOR MEMBER/PERSON WITH MANAGEMENT RESPONSIBILITY
(CLOSE CORPORATION, PARTNERSHIP OR INDIVIDUAL)**

IN RESPECT OF BID No. ECDC/INFRA/28/012024

ISSUED BY: (Procurement Authority / Name of Institution):
.....

NB

The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp

Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C.

Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph C below.

Declaration D and E should be kept by the Bidder for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, (full names), do hereby declare, in my capacity as of (name of bidder entity), the following:

The facts contained herein are within my own personal knowledge.

I have satisfied myself that

- the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011 and

The local content percentage (%) indicated below has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 and information contained in Declaration D and E which has been consolidated in Declaration C above :

Bid price, excluding VAT (y)	R
Imported content (x)	R
Stipulated minimum threshold for Local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 1286:2011	

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E

(d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011

(e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 14 of the Preferential Procurement Regulations, 2017 promulgated under the Policy Framework Act (PPFA), 2000 (Act No. 5 of 2000).

NAME: _____

SIGNATURE: _____ **DATE:** _____

WITNESS No. 1 _____ **DATE:** _____

WITNESS No. 2 _____ **DATE:** _____

The below listed declarations are attached in the next three pages that follow;

- **Declaration C SATS 1286.2011**
 - Local Content Declaration – Summary Schedule
- **Declaration D SATS 1286.2011**
 - Imported Content Declaration – Supporting Schedule to declaration C
- **Declaration E SATS 1286.2011**
 - Local Content Declaration – Supporting Schedule to declaration C
- Bidders should first complete annexure D, after completing annexure D, bidders should complete annexure E and then consolidate the information on annexure C.
- Annexure C should be submitted with the bid documentation on the closing date in order to substantiate the declaration made on annexure J.
- The successful bidder is required to continuously update annexures C, D and E with the actual for the duration of the contract.
- Bidders should obtain copies of certificates of trading the subject materials from manufacturers/suppliers and attach them in the bid document in order to substantiate annexure J above.

NB: Tenderers to complete and sign annexures C, D and E even if they claim 100% of local content

Templates of Declarations C, D and E follow:

Annex C

(C1)	Tender No.:	ZCD/MT/14/35/2023		
(C2)	Tender description:	Completion of Construction of the Zuurberg Peace Memorial Project - Sundays River		
(C3)	Designated product(s)	Steel, Cement, Plastic Pipes		
(C4)	Tender Authority:	Eastern Cape Development Corporation		
(C5)	Tendering Entity name:			
(C6)	Tender Exchange Rate:	USF		EU
(C7)	Specified local content %			

Note: VAT to be excluded from all calculations

Tender item No's (BoQ reference)	List of items	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value	Local value	Local content % (per item)
(C8)	(C9)	(C10)	(C11)	(C12)	(C13)	(C14)	(C15)
STEEL PRODUCTS							
RENOVATIONS TO KITCHEN AND DINING							
3/22	Door stop as Dorma DDS-017-SS						100,00%
4/22	750 x 900mm Type 316 stainless steel kick plate counter						100,00%
6/22	Window size 0.80 x 0.80						100,00%
7/22	Ditto size 1.50 x 0.80mm						100,00%
1/23	Window size 0.60 x 1.80mm						100,00%
2/23	Ditto size 1.30 x 1.20mm						100,00%
3/23	Window size 1.50 x 1.20mm						100,00%
3/27	Stainless steel grease trap as Rofo GT700						100,00%
RENOVATION TO HALL							
7/32	Door stop as Dorma DDS-017-SS						100,00%
5/33	Window size 0.80 x 1.00mm						100,00%
RENOVATIONS TO ABLUTIONS AND LAUNDRY							
1/40	Door stop as Dorma DDS-017-SS						100,00%
2/40	19mm Chromium shower curtain rail 850mm long						100,00%
3/40	Ditto, 960mm long						100,00%
5/40	Paraplegic rail as Chairman Industries DL2						100,00%
6/40	Ditto, as Chairman Industries SR2						100,00%
2/41	450 x 450 x 1500mm long bench						100,00%
8/44	Stainless steel single bowl wash trough as Franke ET 101						100,00%
RENOVATIONS TO CLASSROOMS							
4/49	New 200mm girth prepainted flashing piece						100,00%
3/50	Door stop as Dorma DDS-017-SS						100,00%
4/50	Window size 1.20 x 1.20m						100,00%
5/50	Ditto, size 1.80 x 0.60m						100,00%
RENOVATIONS TO CLASSROOMS ABLUTIONS							
4/55	Door closer as Dorma TS83						100,00%
5/55	Paraplegic rail as Chairman Industries DL2						100,00%
6/55	Ditto, as Chairman Industries SR2						100,00%
7/55	Window size 0.50 x 0.65m						100,00%
RENOVATIONS TO GUARD HOUSE							
5/61	Door stop as Dorma DDS-017-SS						100,00%
7/61	Paraplegic rail as Chairman Industries DL2						100,00%
8/61	Ditto, as Chairman Industries SR2						100,00%
1/62	Window size 1.80 x 0.60m						100,00%
RENOVATIONS TO INTERPRETIVE CENTRE							
7/68	Type 193 fabric reinforcement						100,00%
8/70	Roof covering						100,00%

Tender Qty (C16)	Total tender value (C17)	Total exempted imported content (C18)	Total Imported content (C19)
no 13			
no 4			
no 18			
no 4			
no 5			
no 3			
no 1			
no 3			
no 5			
no 3			
no 3			
no 8			
no 10			
no 1			
no 1			
no 10			
no 8			
15 m			
no 5			
no 5			
no 5			
no 1			
no 1			
no 1			
no 11			
no 3			
no 1			
no 1			
no 3			
127 m2			
22 m2			

CONTINUES ON NEXT PAGE

Annex C

9/70	Circular cutting and waste to last					100,00%	19 m
1/71	Broad flute serrated closer					100,00%	8 m
2/71	Cover flashing 231mm girth					100,00%	8 m
3/71	Headwall flashing 46mm girth					100,00%	8 m
1/73	100 x 50 x 20 x 3mm cold formed lippws channel purlins					100,00%	0.20 t
2/73	200 x 100 x 22.4kg/m IPE beam					100,00%	0.35 t
3/73	Plates, angles, cleats, brackets, connections, bolts					100,00%	0.15 t
RENOVATIONS TO MEMORIAL SITE							
6/80	Mild steel rod bars of various diameter					100,00%	30 kg
7/80	High tensile rod bars of various diameters					100,00%	100 kg
8/80	Type 245 fabric reinforcement					100,00%	77 m ²
1/83	Roof covering					100,00%	112 m ²
2/83	Flashing 150mm girth					100,00%	51 m
3/83	Ditto, 900mm girth					100,00%	6 m
6/84	Pull handle as Dorma DPH210-BT-SS					100,00%	no 5
2/85	Door closer as Dorma TS73V PA DC-PAB-SL					100,00%	no 1
3/85	Door stop as Dorma DDS-017-SS					100,00%	no 6
1/86	Frame for door size 717 x 2032mm					100,00%	no 4
2/86	Frame for door size 912 x 2032mm					100,00%	no 1
4/86	Window size 1370 x 475mm(W1)					100,00%	no 1
5/86	Window size 1730 x 475mm(W3)					100,00%	no 1
6/86	Window size 3090 x 375(W2)					100,00%	no 1
2/87	Burglar bars to suite 740mm wide window					100,00%	no 3
3/87	Ditto to suit 770mm wide window					100,00%	no 6
4/87	Xpanda Roladoor size					100,00%	no 1
DORINGNEK EXTERNAL WORKS							
8/106	Type 193 fabric reinforcement					100,00%	100 m ²
7/109	Type 193 fabric reinforcement					100,00%	163 m ²
MEMORIAL SITE EXTERNAL WORKS							
11/135	Type 193 fabric reinforcement					100,00%	26 m ²
1/136	150mm brick mesh reinforcement					100,00%	160 m ²
7/137	Fencing formed of 50 x 50 x 2.50mm galv 'Secumesh'					100,00%	602 m
8/137	500mm high flat wrap razor coils					100,00%	602 m
1/136	4.00mm galv straining wire					100,00%	4214 m
2/136	Galvanised straining eye bolt					100,00%	no 250
3/136	Single pedestrian gate size 1200 x 1800mm					100,00%	no 1
4/136	Single vehicular gate size 5427 x 1600mm					100,00%	no 1
PLASTIC PRODUCTS							
RENOVATIONS TO KITCHEN AND DINING							
4/25	110mm diameter rainwater pipes					100,00%	10 m
5/25	Extra for shoe/bend					100,00%	no 6
6/26	50mm pipes					100,00%	3 m
7/26	50mm straight reducer					100,00%	no 3
8/26	50mm bend					100,00%	no 2
9/26	50mm junction					100,00%	no 1
RENOVATIONS TO ABLUTIONS AND LAUNDRY							
4/42	5000 litre Jojo water storage tank					100,00%	no 1
5/42	10000 litre ditto					100,00%	no 1
5/43	50mm pipes					100,00%	12 m
6/43	50mm straight reducer					100,00%	no 8
7/43	50mm bend					100,00%	no 4
8/43	50mm inspection eye bend					100,00%	no 4

CONTINUES ON NEXT PAGE

Annex C

9/43	50mm junction					100,00%
10/43	50mm inspection eye junction					100,00%
RENOVATIONS TO CLASSROOMS						
1/51	110mm diameter rainwater pipes					100,00%
2/51	Extra for shoe/bend					100,00%
RENOVATIONS TO MEMORIAL SITE						
6/89	110mm pipe fixed to walls					100,00%
7/89	Extra for shoe/bend					100,00%
7/90	110mm pipe laid in					
8/90	110mm bend					
9/90	110mm inspection eye bend					100,00%
1/91	110mm junction					100,00%
2/91	110mm inspection eye junction					100,00%
3/91	110mm inspection eye reducing junction					100,00%
2/92	40mm pipes					100,00%
3/92	50mm pipes					100,00%
4/92	110mm pipes					100,00%
9/92	50mm straight reducer					100,00%
1/93	110mm ditto					100,00%
2/93	40mm bend					100,00%
3/93	50mm bend					100,00%
4/93	110mm bend					100,00%
5/93	40mm inspection eye bend					100,00%
6/93	50mm ditto					100,00%
7/93	110mm ditto					100,00%
8/93	40mm junction					100,00%
9/93	50mm ditto					100,00%
10/93	110mm ditto					100,00%
11/93	40mm inspection eye junction					100,00%
12/93	50mm ditto					100,00%
13/93	110mm ditto					100,00%
14/93	50mm inspection eye reducing junction					100,00%
15/93	110mm ditto					100,00%
DORINGNEK EXTERNAL WORKS						
7/113	110mm pipe laid in					100,00%
8/113	160mm ditto					100,00%
1/114	200mm ditto					100,00%
5/114	110mm bend					100,00%
6/114	160mm ditto					100,00%
7/114	200mm ditto					100,00%
8/114	110mm inspection eye bend					100,00%
9/114	160mm ditto					100,00%
10/114	200mm ditto					100,00%
11/113	110mm junction					100,00%
12/114	160mm ditto					100,00%
13/114	200mm ditto					100,00%
14/114	110mm inspection eye junction					100,00%
15/114	160mm ditto					100,00%
1/115	200mm ditto					100,00%
3/117	50mm pipe laid in					
5/118	110mm pipe laid in					100,00%
6/118	110mm straight reducer					100,00%
7/118	110mm bend					100,00%
8/118	110mm tee					100,00%

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no 2			
no 2			
16 m			
8 m			
10 m			
no 6			
5 m			
no 2			
no 1			
no 1			
no 2			
no 1			
8 m			
8 m			
4 m			
no 2			
no 2			
no 2			
no 3			
no 2			
no 2			
no 1			
60 m			
30 m			
550 m			
no 6			
no 6			
no 50			
no 6			
no 6			
no 50			
no 3			
200 m			
280 m			
no 2			
no 10			
no 2			

Annex C

9/118	110mm end cap					100,00%
1/121	5000 litre water storage tank					100,00%
4/121	50mm pipe laid in					100,00%
5/121	50mm reducer					100,00%
6/121	50mm bend					100,00%
7/121	50mm tee					100,00%
8/121	50mm end cap					100,00%
MEMORIAL SITE EXTERNAL WORKS						
1/131	110mm pipe laid in					100,00%
2/131	Ditto, exc 1 n.e 2m deep					100,00%
3/131	110mm bend					100,00%
4/131	110mm inspection eye bend					100,00%
5/131	110mm junction					100,00%
6/131	110mm inspection eye junction					100,00%
7/131	110mm inspection eye reducing junction					100,00%
CEMENT PRODUCTS						
RENOVATIONS TO KITCHEN AND DINING						
8/23	30mm thick screeds on floors					100,00%
9/23	Internal plaster on walls in patches					100,00%
1/24	External plaster on walls in patches					100,00%
RENOVATIONS TO HALL						
1/34	30mm thick screed on floors					100,00%
2/34	Internal plaster on walls					100,00%
3/34	External plaster on walls					100,00%
RENOVATIONS TO ABLUTIONS AND LAUNDRY						
3/41	Internal plaster on walls in patches					100,00%
4/41	External plaster on walls in patches					100,00%
REMOVALS TO CLASSROOM ABLUTIONS						
1/56	Internal plaster on walls in patches					100,00%
2/56	External plaster on walls in patches					100,00%
RENOVATIONS TO GUARD HOUSE						
4/62	30mm thick screeds on floors					100,00%
5/62	External plaster on walls					100,00%
RENOVATIONS TO INTERPRETIVE CENTRE						
4/74	30mm thick screeds on floors					100,00%
5/125	Internal plaster on concrete ceilings in patches					100,00%
6/125	External plaster on concrete ceilings in patches					100,00%
RENOVATIONS TO MEMORIAL SITE						
2/79	30MPa/19mm stone in vanity slabs					100,00%
3/79	Extra on last for forming shaped sinking					100,00%
4/79	Extra on last for stopped end					100,00%
1/80	Ditto, corner					100,00%
2/80	Ditto, T-junction					100,00%
7/87	Internal plaster on walls					100,00%
8/87	Ditto in walls in patches					100,00%
1/88	Ditto on edges and profiled top of concrete vanity slabs					100,00%
2/88	External plaster on walls					100,00%
3/88	Ditto in walls in patches					100,00%
4/88	Ditto in narrow widths					100,00%
DORINGNEK EXTERNAL WORKS						
1/109	Reinforced concrete 25MPa in walkways					100,00%
2/115	Cement concrete 15MPa in encasing					100,00%
MEMORIAL SITE EXTERNAL WORKS						
5/135	Concrete 25 Mpa in footings					100,00%

CONTINUES ON NEXT PAGE

no 2			
no 4			
600 m			
no 8			
no 40			
no 24			
no 2			
10 m			
10 m			
no 1			
5 m2			
5 m2			
25 m2			
15 m2			
5 m2			
5 m2			
3 m2			
20 m2			
2 m2			
5 m2			
5 m2			
127 m2			
15 m2			
5 m2			
1 m3			
4 m2			
no 4			
no 3			
no 3			
2 m2			
17 m2			
3 m2			
5 m2			
10 m2			
2 m2			
16 m3			
18 m			
6 m3			

Annex C

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Signature of Tenderer from Annex B

Date: _____

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(C20) Total tender value R

(C21) Total Exempt imported content R

(C22) Total Tender value net of exempt imported content R

(C23) Total Imported content R

(C24) Total local content R

(C25) Average local content % of tender _____

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1)	Tender No.	ECDC/INFRA/09/022023	0	0	0	
(D2)	Tender description:	Completion of Construction of the Zuurberg Peace Memorial Project - Sundays River	0	0	0	
(D3)	Designated Products:	As before (Annex C)				
(D4)	Tender Authority:	ECDC				
(D5)	Tendering Entity name:					
(D6)	Tender Exchange Rate:	Pula		EU		GBP

A. Exempted imported content

(D19) Total exempt imported va

This total must correspond with
Annex C - C 21

B. Imported directly by the Tenderer

(D32) Total imported value by tender

10 of 10

C. Imported by a 3rd party and supplied to the Tenderer

(D45) Total imported value by 3rd party

D. Other foreign currency payments

Type of payment	Local supplier making the payment	Overseas beneficiary	payments		Local value of payments
			Foreign currency value paid	Tender Rate of Exchange	
[D46]	[D47]	[D48]	[D49]	[D50]	[D51]

Signature of Tenderer from Annex B

(D52) Total of foreign currency payments declared by Tenderer and/or 3rd party

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above

This total must correspond with
Annex C - C.23

Date:

Annex E

Local Content Declaration - Supporting Schedule to Annex C

(E1) Tender No.	ECDC/INFRA/09/022023	Note: VAT to be excluded from all calculations
(E2) Tender description:	Completion of Construction of the Zuurberg Peace Memorial Project - Sundays River	
(E3) Designated products:	As before (Annex C)	
(E4) Tender Authority:	ECDC	
(E5) Tendering Entity name:		

Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Value
	(E6)	(E7)	(E8)
STEEL PRODUCTS			
RENOVATIONS TO KITCHEN AND DINING			
Door stop as Dorma DDS-017-SS			
750 x 900mm Type 316 stainless steel kick plate counter			
Window size 0.80 x 0.80			
Ditto size 1.50 x 0.80mm			
Window size 0.60 x 1.80mm			
Ditto size 1.30 x 1.20mm			
Window size 1.50 x 1.20mm			
Stainless steel grease trap as Rofo GT700			
RENOVATION TO HALL			
Door stop as Dorma DDS-017-SS			
Window size 0.80 x 1.00mm			
RENOVATIONS TO ABLUTIONS AND LAUNDRY			
Door stop as Dorma DDS-017-SS			
19mm Chromium shower curtain rail 850mm long			
Ditto, 960mm long			
Paraplegic rail as Chairman Industries DL2			
Ditto, as Chairman Industries SR2			
450 x 450 x 1500mm long bench			
Stainless steel single bowl wash trough as Franke ET 101			
RENOVATIONS TO CLASSROOMS			
New 200mm girth prepainted flashing piece			
Door stop as Dorma DDS-017-SS			
Window size 1.20 x 1.20m			
Ditto, size 1.80 x 0.60m			
RENOVATIONS TO CLASSROOMS ABLUTIONS			
Door closer as Dorma TS83			
Paraplegic rail as Chairman Industries DL2			
Ditto, as Chairman Industries SR2			
Window size 0.50 x 0.65m			
RENOVATIONS TO GUARD HOUSE			
Door stop as Dorma DDS-017-SS			
Paraplegic rail as Chairman Industries DL2			
Ditto, as Chairman Industries SR2			
Window size 1.80 x 0.60m			
RENOVATIONS TO INTERPRETIVE CENTRE			
Type 193 fabric reinforcement			
Roof covering			
Circular cutting and waste to last			
Broad flute serrated closer			
Cover flashing 231mm girth			
Headwall flashing 46mm girth			
100 x 50 x 20 x 3mm cold formed lippws channel purlins			
200 x 100 x 22.4kg/m IPE beam			
Plates, angles, cleats, brackets, connections, bolts			
RENOVATIONS TO MEMORIAL SITE			
Mild steel rod bars of various diameter			
High tensile rod bars of various diameters			
Type 245 fabric reinforcement			
Roof covering			
Flashing 150mm girth			
Ditto, 900mm girth			
Pull handle as Dorma DPH210-BT-SS			
Door closer as Dorma TS73V PA DC-PAB-SL			
Door stop as Dorma DDS-017-SS			
Frame for door size 717 x 2032mm			
Frame for door size 912 x 2032mm			
Window size 1370 x 475mm(W1)			
Window size 1730 x 475mm(W3)			
Window size 3090 x 375(W2)			
Burglar bars to suite 740mm wide window			
Ditto to suit 770mm wide window			
Xpanda Roladoor size			
DORINGNEK EXTERNAL WORKS			
Type 193 fabric reinforcement			
Type 193 fabric reinforcement			
MEMORIAL SITE EXTERNAL WORKS			
Type 193 fabric reinforcement			
150mm brick mesh reinforcement			
Fencing formed of 50 x 50 x 2.50mm galv 'Secumesh'		Continues on next page	

Annex E

500mm high flat wrap razor coils		
4.00mm galv straining wire		
Galvanised straining eye bolt		
Single pedestrian gate size 1200 x 1800mm		
Single vehicular gate size 5427 x 1600mm		
PLASTIC PRODUCTS		
RENOVATIONS TO KITCHEN AND DINING		
110mm diameter rainwater pipes		
Extra for shoe/bend		
50mm pipes		
50mm straight reducer		
50mm bend		
50mm junction		
RENOVATIONS TO ABLUTIONS AND LAUNDRY		
5000 litre Jojo water storage tank		
10000 litre ditto		
50mm pipes		
50mm straight reducer		
50mm bend		
50mm inspection eye bend		
50mm junction		
50mm inspection eye junction		
RENOVATIONS TO CLASSROOMS		
110mm diameter rainwater pipes		
Extra for shoe/bend		
RENOVATIONS TO MEMORIAL SITE		
110mm pipe fixed to willas		
Extra for shoe/bend		
110mm pipe laid in		
110mm bend		
110mm inspection eye bend		
110mm junction		
110mm inspection eye junction		
110mm inspection eye reducing junction		
40mm pipes		
50mm pipes		
110mm pipes		
50mm straight reducer		
110mm ditto		
40mm bend		
50mm bend		
110mm bend		
40mm inspection eye bend		
50mm ditto		
110mm ditto		
40mm junction		
50mm ditto		
110mm ditto		
50mm inspection eye reducing junction		
110mm ditto		
DORINGNEK EXTERNAL WORKS		
110mm pipe laid in		
160mm ditto		
200mm ditto		
110mm bend		
160mm ditto		
200mm ditto		
110mm inspection eye bend		
160mm ditto		
200mm ditto		
110mm junction		
160mm ditto		
200mm ditto		
110mm inspection eye junction		
160mm ditto		
200mm ditto		
50mm pipe laid in		
110mm pipe laid in		
110mm straight reducer		
110mm bend		
110mm tee		
110mm end cap		
5000 litre water storage tank		
50mm pipe laid in		
50mm reducer		
50mm bend		
50mm tee		
50mm end cap		
MEMORIAL SITE EXTERNAL WORKS		
110mm pipe laid in		
Ditto, exc 1 n.e 2m deep		
110mm bend		
110mm inspection eye bend		
110mm junction		
110mm inspection eye junction		Continues on next page

Annex E

Annex E

(E9) Total local products (Goods, Services and Works) (E10) **Manpower costs** (Tenderer's manpower cost) (E11) **Factory overheads** (Rental, depreciation & amortisation, utility costs, consumables, etc.) (E12) **Administration overheads and mark-up** (Marketing, insurance, financing, interest, etc.) (E13) Total local content

This total must correspond with Annex C - C24

Signature of Tenderer from Annex B

Date: _____

2.1. STAGE 2 - FUNCTIONALITY

Involves an evaluation of Functionality only – At this stage Bidders must score a minimum score of **70%** for functionality (services) to be evaluated for stage 3 (Preferential procurement points).

Bidder to note the following for Functionality Evaluation:

- a) Adequate proof supporting the points claimed must be provided. (e.g., documents, agreements, qualifications, previous experience, certifications, etc.)
- b) Failure to submit relevant information with supporting document and adequate proof may result in ECDC not being able to allocate points for the Evaluation Criteria outlined below.

Table 1: Functionality Evaluation Criteria – Stage 2

EXPERIENCE (Read with Schedule T.2.2.2(a) requirements)	Allocated Points
(Bidder to submit a reference letter for each project completed.)	
5 or more acceptable reference letters	30
4 or less than 5 acceptable reference letters	20
3 or less than 4 reference letters	15
2 or less than 3 acceptable reference letters	10
Less than 2 acceptable reference letters	0
Document to be submitted for points allocation The Bidder must demonstrate that they have the relevant experience in general building works by submitting completed T.2.2.2 (a) reference forms or reference letters of completed Building Works (Read with Schedule T.2.2.2(a) requirements)	
Reference letter should indicate the following:	
<ul style="list-style-type: none"> • Signature of the client or Client's Letter head or Client Stamp • Company name, contact person, contact details (telephone number and email address) • Value of the project • Description Works carried out • Works have been completed on time /within the stipulated contract period • Good or better quality of workmanship • Assessment of the quality of work performed 	
EXPERTISE (CV's & Certified Copies of Qualifications of Key Personnel to be included in Returnable)	
Construction Manager with relevant tertiary qualifications from a Built Environment Faculty (National Diploma or Higher)	
10 years or more experience on building contracts	15
5 years but less than 10 years' experience on building contracts	10
3 years but less than 5 years on building contracts	5
Less than 3 years' experience on building projects	0
Construction Supervisor with relevant Built Environment qualifications (N6 or higher)	
10 years or more experience on building projects	10
5 years but less than 10 years' experience on building projects	5
3 years but less than 5 years on building projects	3
Less than 3 years' experience on building projects	0

Safety Officer with valid SACPCMP registration as a Construction Health and Safety Officer	
5 years or more post registration experience on building projects	5
3 years but less than 5 years' post registration experience on building projects	3
1 years but less than 3 years' post registration experience on building projects	2
Less than 1 years' post registration experience on building projects	0
<u>BANK RATING/LETTER OF INTENT FROM FINANCIAL INSTITUTION</u>	
Submission of a letter of intent from a financial institution or Bank Rating of Code A or Code B	10
Submission of a Bank Rating of Code C or Code D	5
No letter or Bank Rating submitted from a financial institution.	0
TOTAL MAXIMUM ACHIEVABLE POINTS	70
MINIMUM POINTS REQUIRED	49

- a) Only bids that have achieved the minimum qualifying score for functionality will be evaluated further in terms of preferential procurement points (Stage 3).
- b) All bids that fail to achieve the minimum score will be disqualified.
- c) The minimum qualifying score (in a percentage) for functionality shall be calculated as follows:

$$Ps = \frac{So}{Ms} \times 100 \quad \text{Where:}$$

Ps = percentage scored for functionality by bid under consideration

So = Total score for bid under consideration

Ms = Maximum possible score

The percentages of each panel member shall be added and divided by the number of panel members to establish the average percentage obtained by each bidder for functionality.

3.1 Stage 3 – Preference Procurement Point - Evaluation Criteria

Preference points for this bid shall be awarded for price and the specific goal. The maximum points for this bid are allocated as follows:

CRITERIA	POINTS
Price	80
Specific Goal	20
TOTAL POINTS	100

- c) Points awarded for price based will be based on the 80/20 Preference point systems
- d) The points scored by the tenderer/bidder for Price will be added to the points scored for ECDC specific goal to obtain the bidder's total points scored out of 100 points.
- e) In the event that two or more bids have scored equal total points, the successful bid will be the one scoring the highest number of preference points for ECDC specific goal.
- f) However, when functionality is part of the evaluation process and two or more bids have scored equal points including equal preference points for specific goal, the successful bid must be the one scoring the highest score for functionality.
- g) Should two or more bidders/tenderers be equal in all respects, the award shall be decided by the drawing of lots.
- h) The bidder obtaining the highest number of total points will be awarded the contract.
- i) Points scored will be rounded off to the nearest 2 decimal places.

j) Price

- (i) The lowest acceptable bid will score 80 points for price.
- (ii) The following formula will be used to calculate the points out of 80 for price in respect of the bid/tender.
- (iii) Preference points for price shall be calculated after prices have been brought to a comparative basis taking into account all factors of non-firm prices and all unconditional discounts.

DETAILS	80/20 PREFERENCE POINT SYSTEM
Rand value (competitive bids or quotations) all applicable taxes included.	<ul style="list-style-type: none"> • Equal and above R30 000 to R50 million, inclusive of all applicable taxes. Below R30 000 if and when considered to be appropriate
Formulae	$Ps = 80 \left(1 - \frac{Pt - P_{\min}}{P_{\min}} \right)$ <p>Ps = Points scored for comparative price of bid / offer under consideration</p> <p>Pt = Comparative price of bid / offer under consideration</p> <p>Pmin = Comparative price of lowest acceptable bid / offer</p>

Annex A

Standard Conditions of Tender

The conditions of tender are the Standard Conditions of Tender as contained in Annex C of the CIDB Standard for Uniformity in Construction Procurement (January 2019) as published in Government Gazette No 42622, Board Notice 423 of 2019 on the 8th of August 2019 (See www.cidb.org.za).

A.1 General

A.1.1 Actions

A.1.1.1 The employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in A.2 and A.3, timeously and with integrity, and behave equitably, honestly, and transparently, comply with all legal obligations and not engage in anticompetitive practices.

A.1.1.2 The employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note: 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.

2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance, or loyalty which would in any way affect any decisions taken.

A.1.1.3 The employer shall not seek, and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

A.1.2 Tender Documents

The documents issued by the employer for the purpose of a tender offer are listed in the tender data.

A.1.3 Interpretation

A.1.3.1 The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.

A.1.3.2 These conditions of tender, the tender data and tender schedules which are required for tender evaluation purposes, shall form part of any contract arising from the invitation to tender.

A.1.3.3 For the purposes of these conditions of tender, the following definitions apply:

a) **conflict of interest** means any situation in which:

- i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially.
- ii) an individual or tenderer is in a position to exploit a professional or official capacity in some way for their personal or corporate benefit; or
- iii) incompatibility or contradictory interests exist between an employee and the tenderer who employs that employee.

b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration.

c) **corrupt practice** means the offering, giving, receiving, or soliciting of anything of value to influence the action of the employer or his staff or agents in the tender process.

d) **fraudulent practice** means the misrepresentation of the facts to influence the tender process or the award of a contract arising from a tender offer to the detriment of the employer, including collusive practices intended to establish prices at artificial levels.

A.1.4 Communication and employer's agent

Each communication between the employer and a tenderer shall be to or from the employer's agent only, and in a form that can be readily read, copied, and recorded. Communications shall be in the English language. The employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the employer's agent are stated in the tender data.

A.1.5 Cancellation and Re-Invitation of Tenders

A.1.5.1 An employer may, prior to the award of the tender, cancel a tender if-

- a) due to changed circumstances, there is no longer a need for the engineering and construction works specified in the invitation.
- b) funds are no longer available to cover the total envisaged expenditure; or
- c) no acceptable tenders are received.
- d) there is a material irregularity in the tender process.

A.1.5.2 The decision to cancel a tender invitation must be published in the same manner in which the original tender invitation was advertised

A.1.5.3 An employer may only with the prior approval of the relevant treasury cancel a tender invitation for the second time.

A.1.6 Procurement procedures

A.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to A.3.13, be concluded with the tenderer who in terms of A.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

A.1.6.2 Competitive negotiation procedure

A.1.6.2.1 Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of A.3.4, the employer shall announce only the names of the tenderers who make a submission. The requirements of A.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.

A.1.6.2.2 All responsive tenderers or at least a minimum of not less than three responsive tenderers that are highest ranked in terms of the evaluation criteria stated in the tender data shall be invited to enter into competitive negotiations based on the principle of equal treatment, keeping confidential the proposed solutions and associated information.

Notwithstanding the provisions of A.2.17, the employer may request that tenders be clarified, specified and fine-tuned in order to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

A.1.6.2.3 At the conclusion of each round of negotiations, tenderers shall be invited by the employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.

A.1.6.2.4 The contract shall be awarded in accordance with the provisions of A.3.11 and A.3.13 after tenderers have been requested to submit their best and final offer.

A.2 Tenderer's obligations

A.2.1 Eligibility

A.2.1.1 Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with employer.

A.2.1.2 Notify the employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the employer's written approval to do so prior to the closing time for tenders.

A.2.2 Cost of tendering

A.2.2.1 Accept that, unless otherwise stated in the tender data, the employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer comply with requirements.

A.2.2.2 The cost of the tender documents charged by the employer shall be limited to the actual cost incurred by the employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

A.2.3 Check documents

Check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.

A.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

A.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

A.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the employer may issue, and if necessary apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

A.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

A.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the employer at least five (5) working days before the closing time stated in the tender data.

A.2.9 Insurance

Be aware that the extent of insurance to be provided by the employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

A.2.10 Pricing the tender offer

A.2.10.1 Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable fourteen (14) days before the closing time stated in the tender data.

A.2.10.2 Show VAT payable by the employer separately as an addition to the tendered total of the prices.

A.2.10.3 Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.

A.2.10.4 State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

A.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

A.2.12 Alternative tender offers

A.2.12.1 Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.

A.2.12.2 Accept that an alternative tender offer must be based only on the criteria stated in the tender data or criteria otherwise acceptable to the employer.

A.2.12.3 An alternative tender offer must only be considered if the main tender offer is the winning tender.

A.2.13 Submitting a tender offer

Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.

A.2.13.1 Return all returnable documents to the employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.

A.2.13.2 Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the employer.

A.2.13.3 Sign (Signature by authorized personnel) the original and all copies of the tender offer where required in terms of the tender data. The employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer.

A.2.13.4 Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

A.2.13.5 Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.

A.2.13.6 Seal the original tender offer and copy packages together in an outer package that states on the outside only the employer's address and identification details as stated in the tender data.

A.2.13.7 Accept that the employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.

A.2.13.8 Accept that tender offers submitted by facsimile or e-mail will be rejected by the employer, unless stated otherwise in the tender data.

A.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and, in the form required, may be regarded by the employer as non-responsive.

A.2.15 Closing time

A.2.15.1 Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.

A.2.15.2 Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.

A.2.16 Tender offer validity

A.2.16.1 Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.

A.2.16.2 If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.

A.2.16.3 Accept that a tender submission that has been submitted to the employer may only be withdrawn or substituted by giving the employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the employer evaluating tender, the contractor reserves the right to review the price based on Consumer Price Index (CPI).

A.2.16.4 Where a tender submission is to be substituted, a tenderer must submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".

A.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

Note: Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

A.2.18 Provide other material

A.2.18.1 Provide, on request by the employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the employer for the purpose of a full and fair risk assessment.

Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the employer's request, the employer may regard the tender offer as non-responsive.

A.2.18.2 Dispose of samples of materials provided for evaluation by the employer, where required.

A.2.19 Inspections, tests and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

A.2.20 Submit securities, bonds and policies

If requested, submit for the employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies and certificates of insurance required in terms of the conditions of contract identified in the contract data.

A.2.21 Check final draft

Check the final draft of the contract provided by the employer within the time available for the employer to issue the contract.

A.2.22 Return of other tender documents

If so, instructed by the employer, return all retained tender documents within twenty-eight (28) days after the expiry of the validity period stated in the tender data.

A.2.23 Certificates

Include in the tender submission or provide the employer with any certificates as stated in the tender data.

A.3 The employer's undertakings

A.3.1 Respond to requests from the tenderer

A.3.1.1 Unless otherwise stated in the tender Data, respond to a request for clarification received up to five (5) working days before the tender closing time stated in the Tender Data and notify all tenderers who collected tender documents.

A.3.1.2 Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if as a consequence:

- a) an individual firm, or a joint venture as a whole, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements.
- b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
- c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

A.3.2 Issue Addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) working days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who collected tender documents.

A.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

A.3.4 Opening of tender submissions N/A

A.3.4.1 Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.

A.3.4.2 Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points ECDC specific goal and time for completion for the main tender offer only.

A.3.4.3 Make available the record outlined in A.3.4.2 to all interested persons upon request.

A.3.5 Two-envelope system

A.3.5.1 Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.

A.3.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when

the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

A.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

A.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

A.3.8 Test for responsiveness

A.3.8.1 Determine, after opening and before detailed evaluation, whether each tender offer properly received:

- a) complies with the requirements of these Conditions of Tender,
- b) has been properly and fully completed and signed, and
- c) is responsive to the other requirements of the tender documents.

A.3.8.2 A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:

- a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
- b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
- c) affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

A.3.9 Arithmetical errors, omissions and discrepancies

A.3.9.1 Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.

A.3.9.2 Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with A.3.11 for:

- a) the gross misplacement of the decimal point in any unit rate.
- b) omissions made in completing the pricing schedule or bills of quantities; or
- c) arithmetic errors in:
 - (i) line-item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
 - (ii) the summation of the prices.

A.3.9.3 Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.

A.3.9.4 Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:

- a) If bills of quantities or pricing schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the line item total shall govern, and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line-item total as quoted shall govern, and the unit rate shall be corrected.
- b) Where there is an error in the total of the prices either as a result of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

A.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

A.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are by definition the document that establishes a tenderer's obligations in submitting a tender and the employer's undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require employers to conduct the process of offer and acceptance in terms of a set of standard procedures.

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:

Requirement	Qualitative interpretation of goal
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.

The activities associated with evaluating tender offers are as follows:

- Open and record tender offers received.
- Determine whether or not tender offers are complete.
- Determine whether or not tender offers are responsive.
- Evaluate tender offers
- Determine if there are any grounds for disqualification.
- Determine acceptability of preferred tenderer
- Prepare a tender evaluation report.
- Confirm the recommendation contained in the tender evaluation report.

A.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

A.3.12 Insurance provided by the employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the employer to provide.

A.3.13 Acceptance of tender offer

Accept the tender offer; if in the opinion of the employer, it does not present any risk and only

if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the employer's procurement;
- b) can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses the professional and technical qualifications, professional and technical competence, financial resources, equipment and other physical facilities, managerial capability, reliability, experience and reputation, expertise and the personnel, to perform the contract.
- c) has the legal capacity to enter into the contract.
- d) is not; insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act No. 2008, bankrupt or being wound up, has his/her affairs administered by a court or a judicial officer, has suspended his/her business activities or is subject to legal proceedings in respect of any of the foregoing;
- e) complies with the legal requirements, if any, stated in the tender data; and
- f) is able, in the opinion of the employer, to perform the contract free of conflicts of interest.

A.3.14 Prepare contract documents

A.3.14.1 If necessary, revise documents that shall form part of the contract and that were issued by the employer as part of the tender documents to take account of:

- a) addenda issued during the tender period,
- b) inclusion of some of the returnable documents and other revisions agreed between the employer and the successful tenderer.

A.3.14.2 Complete the schedule of deviations attached to the form of offer and acceptance, if any.

A.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

A.3.16 Registration of the award

An employer must, within twenty-one (21) working days from the date on which a contractor's offer to perform a construction works contract is accepted in writing by the employer, register and publish the award on the CIDB Register of Projects.

A.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the Tender Data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

A.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

ANNEXURE B

ADDITIONAL CONDITIONS OF TENDER OF ECDC

Where the CIDB standard condition of tender does not address the following, clauses on the ECDC standard conditions of tender, the ECDC Standard condition of tender will be additional.

1.1 **Alteration or withdrawal of Proposals**

Bidders may withdraw their proposal by written notification on or before the date Specified for the evaluation of Bids.

1.2 **Alternative Bid**

Alternative Bids will not be accepted.

1.3 **Costs for preparation of Proposals/presentations**

The costs incurred by Bidders in respect of the attendance of any briefing or presentation meetings if necessary or costs incurred in preparing any proposal will be borne by the Bidder and the ECDC shall in no way be liable to reimburse such costs incurred.

1.4 **Ownership of Proposals and presentations**

The ECDC shall on receipt of any proposal relating to this request and submitted in accordance with the procedures set out herein, shall become the owner thereof and the ECDC shall not be obliged to return any proposal.

1.5 **Tax Clearance Certificate requirement**

It is a condition of all bids inclusive of foreign bidders / individuals) that the South African taxes of the successful bidder must be in order.

The bidders' Tax status will be verified on the CSD prior to the bid award and where the preferred bidders is not compliant, **7 working days** will be granted for remedy, failing which the bidder will be disqualified.

In Bids where Consortia/Joint venture/Sub-Contractors are involved, each party will be verified separately for proof of Tax Compliance Status.

In bids where Consortia / Joint Ventures / Sub-contractors are involved, each party must submit a separate Tax Clearance Certificate. Applications for the Tax Clearance Certificates may also be made via eFiling. In order to use this provision, taxpayers will need to register with SARS as eFilers through the website www.sars.gov.za

1.6 **Confidentiality**

The entire process of calling for Bids was initiated by the ECDC in terms of its procurement policy and is confidential. All deliberations in respect of the acceptability or otherwise of the

proposals shall be conducted in closed sessions and members of the Evaluation and Procurement Committee and prospective service providers are bound to treat all discussions as highly confidential.

The service provider shall not divulge directly or indirectly to any other person than a person employed by ECDC, make copies or extracts of any of the information obtained during this assignment, while they may have access to ECDC's trade secrets, confidential information which may include, specifications, plans, drawings, pattern, samples, written instructions, notes, memoranda, technical information, know-how or process or method or any other records of whatsoever nature without the written consent of ECDC and shall surrender all these items to ECDC on termination of the assignment or on demand of ECDC.

The service provider shall not be entitled to make use of the information whether for its own benefit or that of others, to make available or derive any profit from any of the information or knowledge specifically related to the business or affairs of ECDC.

Any document shall remain the property of ECDC and shall be returned (all copies) to ECDC on completion of the contract if so required by ECDC.

1.7 Inventions Patent and Copy-Rights

The service provider cedes, assigns and transfers to ECDC all rights, title and interest in and to any and all copyright in all works and inventions which relate to the business of ECDC (which includes, but is not limited to, methodologies and products) which arises within the course and scope of this service will be assigned to ECDC.

The Service Provider shall Provide ECDC the sole and exclusive right to alter and adapt the work.

The service provider shall indemnify ECDC against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by ECDC.

1.8 Ethics

Any attempt by an interested Bidder to obtain confidential information, or enter into unlawful agreements with competitors or influence the various ECDC Procurement Committee's or the ECDC during the process of examining, evaluating and comparing Bids/Proposals or Proposals will lead to the rejection of its bid/quotation/proposal in its entirety.

The Bidder must declare any business or other interests it has with the ECDC or any employee of the ECDC, as per the declaration of interest form annexed hereto marked in Section D; failing which the Bidder shall be automatically disqualified from further participation in the Bid or call for proposals. The disqualification will be applicable at any stage of the bidding and / or engagement process.

1.9 Competition

Bidders and their respective officers, employees and agents are prohibited from engaging in

any collusive action with respect to the bidding process which serves to limit competition amongst bidders.

In general, the attention of bidders is drawn to Section 4(1) (b) (iii) of the Competition Act 1998 (Act No. 89 of 1998) (the Competition Act) that prohibits collusive bidding.

An agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder/s is / are or a contractor(s) was / were involved in collusive bidding.

If bidders have reason to believe that competition issues may arise from any submission of a response to this bid invitation they may make, they are encouraged to discuss their position with the competition authorities before submitting response.

Any correspondence or process of any kind between bidders and the competition authorities must be documented in the responses to this invitation to bid.

In this regard bidders are required to complete the Certificate of Independence Bid Determination, failing which the Bidder shall be automatically disqualified from further participation in the Bid or call for proposals. The disqualification will be applicable at any stage of the bidding and / or engagement process.

If a bidder (s) or contractor (s), based on reasonable grounds or evidence obtained by ECDC, has /have engaged in the restrictive practice referred to above, ECDC may refer the matter to the Competition Commission for investigation and possible imposition of an administrative penalty as contemplated in Section 59 of the Competition Act 89 of 1998.

If a bidder(s) or contractor(s) has / have been found guilty by the Competition Commission of the restrictive practice referred to above, ECDC may in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such an item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) for conducting business with the public sector for a period of not exceeding 10 (ten) years and / or claim damages from the bidder(s) / contractor(s) concerned.

1.10 Cancellation of Bid Process

The ECDC shall be entitled, within its sole and entire discretion, to cancel this Bid/Call for Proposals and/or Quotations at any time and shall notify the interested service providers accordingly. The ECDC shall in no way be liable for any damages whatsoever, including, without limitation, damages for loss of profit, in any way connected with the cancellation of this bid. The publication of the bid does not commit the ECDC to appoint any of the qualifying Bidders.

1.11 Interviews

In terms of the bid evaluation process short listed bidders may be interviewed. This will entail the bidder being invited to a venue as determined by the bid committee. All transport and accommodation costs incurred by the bidder will be for the bidders account and will not be reimbursed in any way. Failure to attend a scheduled interview

will lead to immediate disqualification from the bid process. The ECDC reserves the right to appoint bidder without conducting interviews.

1.12 Contract award

The successful bidder will be notified of the bid award in writing by the Procurement Department.

The acceptance of any proposal shall only be confirmed with the conclusion of a final written signed service level agreement or any other appropriate agreement between the ECDC and the successful Bidder, in terms of which the rights and duties of the parties are recorded, which agreement shall regulate the relationship between the ECDC and the Successful Bidder.

As a guideline regarding the content of the service level agreement, the bidder is referred to the **JBBC Series 2000 Principal Building Agreement Edition 6.2 prepared by the Joint Building Contracts Committee, May 2018**

Until such time that an appropriate agreement has been concluded in writing between the ECDC and the successful Bidder, no rights shall be conferred nor shall any legitimate expectations be conferred to the successful Bidder to carry out the works or services provided for in this Bid.

The ECDC, the Accounting Officer and the Bid Committee (as the case may be) does not bind itself to accept either the lowest (price), highest (points) or any other bid and reserves the right to accept the bid which it deems to be in the best interest of the Institution even if it implies a waiver by the ECDC, the Accounting Officer, or the Bid Committee, (as the case may be) of certain requirements which the ECDC, the Accounting Officer, the Bid Committee, (as the case may be) considers to be of minor importance and not complied with by the bidder.

The ECDC will not entertain any request of feedback before the final awarding of the contract.

1.13 Supplier Due Diligence

ECDC reserves the right to conduct supplier due diligence prior to final award or at any time during the contract period. This may include site visits and requests for additional information.

1.14 Disclaimer

This Bid document has been prepared for the purpose of providing information to interested Bidders. The provision of any additional information about the organization to Bidders, are disclosed and will be made available to enable the prospective Bidders to submit comprehensive proposals.

Interested Bidders are accordingly required to conduct their own due diligence in respect of the ECDC and its business operations and the nature and scope of the services required.

**HOTLINE DETAILS** Ethics & Fraud Hotline

HOTLINE DETAILS	
Hotline Name:	ECDC Ethics & Fraud Hotline
Contact Number:	0800 116 665
WhatsApp Number:	0860 004 004
Dedicated Email Address:	ecdc@behonest.co.za aidc@behonest.co.za
SMS Number:	48691
Free Post	BNT165, Advance Call Pty (Ltd), Brooklyn Square, 0075
Website Link	www.behonest.co.za
Chat	www.behonest.co.za

Whilst all due care has been taken in connection with the preparation of this bid, ECDC makes no representations or warranties that the content of the bid or any information communicated to or provided to Bidder(s) during the bidding process is, or will be, accurate, current or complete. ECDC, and its employees and advisors will not be liable with respect to any information communicated which may not be accurate, current or complete.

If Bidder(s) finds or reasonably believes it has found any discrepancy, ambiguity, error or inconsistency in this bid or any other information provided by ECDC (other than minor clerical matters), the Bidder(s) must promptly notify ECDC in writing of such discrepancy, ambiguity, error or inconsistency in order to give ECDC an opportunity to consider what corrective action is necessary (if any).

Any actual discrepancy, ambiguity, error or inconsistency in the bid or any other information provided by ECDC will, if possible, be corrected and provided to all Bidder(s) without attribution to the Bidder(s) who provided the written notice.

All persons (including Bidder(s)) obtaining or receiving the bid and any other information in connection with the Bid or the Tendering process must keep the contents of the Bid and other such information confidential, and not disclose or use the information except as required for the purpose of developing a proposal in response to this Bid. All persons (including Bidder(s)) obtaining or receiving the bid and any other information in connection with the Bid or the Tendering process must keep the contents of the Bid and other such information confidential, and not disclose or use the information except as required for the purpose of developing a proposal in response to this Bid.

T2.2. - Returnable schedules

T2.2.1 – Declarations

T2.2.2 – Functionality Evaluation Schedules

ANNEXURE C: SUPPLIER INFORMATION/COMPANY ENTERPRISE QUESTIONNAIRE

Note: Mandatory Requirement. Failure to complete and Sign this document will result in the bid being nonresponsive.

Important Note: The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Legal Name of Bidder: (Same as CSD)	
Trading Name of Bidder: (Same as CSD)	
Registration Number (Same as CSD)	
Physical Address	
Postal Address	
Contact Person (of the JV if the Bidder is a JV)	
Title/Position in the Firm	
Mobile Number (of the JV if the Bidder is a JV)	
Bidder Telephone Number (of the JV if the Bidder is a JV)	
Facsimile Number	
Email Address of Contact Person (of the JV if the Bidder is a JV)	
Email Address of Bidder (of the JV if the Bidder is a JV)	
VAT Registration Number (Same as CSD)	

Central Supplier Database Number		MAAA	
CIDB Registration Number (CRS Number)			
Are 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
(RSA) 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

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 (SARS) and if not register

VERY IMPORTANT

Where a person within the Bidding Entity is an Employee of the State, Bidder should

- submit a signed letter on a letter head from their Accounting Officer/Accounting Authority (AO/AA of the Government Institution where they are employed) stating that they are not prohibited from conducting business with the State in terms of Section 8 of the Public Administration Management Act, 2012 (Act No.11 of 2014- “The PFMA”)
- submit a signed letter on a letter from their AO/AA granting permission to perform other remunerative work outside of their employment where the PAMA does not apply to such an employee

ECDC reserves the right to verify such information from their AO/AA

SERVICE PROVIDER ACKNOWLEDGEMENT OF REQUEST AND TERMS AND CONDITIONS:

I(NAME) HEREBY ACCEPT THE TERMS OF THIS REQUEST FOR BID AND ACKNOWLEDGE THAT I AM APPROPRIATELY DELEGATED TO RESPOND ON BEHALF OF (ATTACH DELEGATION OF AUTHORITY)

.....
(NAME OF BIDDER).

Print Name

Date

Designation

Signature

Annexure D: Location

1	Where is the Bidder's main office?	
	Other offices:	

Annexure G: BIDDER'S DISCLOSURE (SBD4)

Note: Mandatory Requirement. Failure to complete and Sign this document will result in the bid being non responsive.

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:

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 everyrespect:

- 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 completein 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 orconsortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitorregarding 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 anyofficial of the procuring institution in relation to this procurement process prior to and during the bidding processexcept 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 practicesrelated 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 PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6

OFPFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE

SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....
Signature

.....
Date

.....
Position

.....
Name of bidder

SIGNATURE OF BIDDER OR DELEGATED AUTHORITY		DATE	
---	--	-------------	--

ANNEXURE H: STATEMENT OF CONSENT TO DATA PROCESSING

In terms of the provisions of the Protection of Personal Information Act, 2013 (Act No. 4 of 2013)

1. I, _____ (full names of the **client/applicant**),
Identity number _____ ("the applicant")
do hereby grant my consent to the Eastern Cape Development Corporation ("the ECDC") and its appointed processor to process my personal data for the purpose of any or all of the undermentioned actions, being the legitimate reasons for processing and/or using my personal data.

2. I accept that my personal information will only be utilized for the purposes it was collected, that the information will only be retained for as long as is necessary and required by law, and that I have the right to view such information at any time, as well as requested correction or deletion of my personal information held by the ECDC.

3. I am aware that I may withdraw my consent at any time by using the relevant Data Subject Consent Withdrawal Form.

4. I herewith consent to the ECDC official / staff member / employee or agent collecting and having access to my personal information.

5. I expressly consent to the ECDC official / staff member / employee or agent to collect and process this information for the purpose of **considering my application for funding / leasing / employment alternatively for considering our bid document**.

6. I expressly consent to the ECDC or its official / staff member / employee or agent having access to my personal information contained in my application for lease, employment, funding, my bid document or any other administrative document required by the ECDC for processing.

7. I expressly consent to the ECDC or its official / staff member / employee or agent using my personal information to communicate with me in person / via telephone / email / video call / fax / WhatsApp / any form of social media.

8. I expressly consent that the ECDC or its official / staff member / employee or agent may discuss any of my personal information with any of its officials / staff members / employees or agents that may at any stage of my application be involved in considering same and forward any such information to any ECDC relevant committee or forum.

9. I expressly consent to the ECDC or its official / staff member / employee or agent **handing over any outstanding accounts to debt collection third parties (applicable to properties/development finance and business support unit)**.

10. I expressly consent to the ECDC or its official / staff member / employee or agent handing over my personal information for purposes of verification of my credit profile or record, references or any purpose required in terms of the law.

SIGNATURE of the DELEGATED AUTHORITY		DATE

SBD 6.1

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

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

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

1. GENERAL CONDITIONS

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

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 **Principle applicable for this tender /quotation is:**

a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the applicable preference point system for this tender is the **80/20** preference point system.

1.3 Points for this tender shall be awarded for:

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

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

	POINTS
PRICE	80
SPECIFIC GOALS	
51% and above black owned enterprise	10
Eastern Cape Based Supplier	05
51 % and above woman owned enterprises.	03
51 % and above youth owned enterprises	02
Total points for Price and SPECIFIC GOALS	100

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this

tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

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

2. DEFINITIONS

“tender” means a written offer in the form determined by an organ of state in response to an invitation to

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

2.3. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20	or	90/10
-------	----	-------

$$Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}}\right) \quad \text{or} \quad Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}}\right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

2.4. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

2.4.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20

or

90/10

$$\frac{Ps}{max} = 80 \left(1 + \frac{Pt - P}{P max} \right) \quad \text{or} \quad Ps = 90 \left(1 + \frac{Pt - P max}{P max} \right)$$

Where:

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

3. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

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

The specific goals allocated points in terms of this tender	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
SPECIFIC GOALS				
51% and above black owned enterprises		10		
Eastern Cape Based Supplier		05		
51 % and above woman owned enterprises.		03		
51 % and above youth owned enterprises		02		

DECLARATION WITH REGARD TO COMPANY/FIRM

3.3. Name of company/firm.....

3.4. Company registration number:
.....

3.5. TYPE OF COMPANY/ FIRM

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

Company[TICK

APPLICABLE BOX]

3.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown andl 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 ofthis form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that theclaims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contracthave not been fulfilled, the organ of state may, in addition to any other remedy it may have —
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary

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

SURNAME AND NAME:

DATE:

ADDRESS:

T2.2 .2- Functionality Evaluation Schedules

T2.2.2a: SIMILAR PROJECTS COMPLETED SUCCESSFULLY WITH REFERENCE LETTERS

Note: Mandatory Returnable Schedule. Failure to submit as required will result in the bid being nonresponsive.

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Bidders are required to provide a schedule of similar work in complexity that was successfully completed with contactable references as per the attached forms below.

OR

Submit a reference letter that indicates the following

Signature of the Client

On Clients Letter Head or Client Stamp

Company Name, contact person, contact details (telephone number and email etc)

Value of the Project

Scope of works carried out

Works have been completed on time/within stipulated contract period

Good or better workmanship



Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Sir/Madam,

We are in the process of evaluating _____ for the above project.

Tenderers Company Name

They have listed you as a reference. Please evaluate the contractor's performance on the criteria listed below by ticking the appropriate boxes. This form to be submitted with the bid. If you have any questions, please do not hesitate to contact us.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD	VALUE OF WORK

1. KNOWLEDGEABLE IN THE FIELD IN WHICH THIS BID RELATES TO

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

2. TIME PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

3. FINANCIAL PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

4. WAS THE WORKS COMPLETED SATISFACTORY?

YES / NO (please circle)

If no, please provide details below:

Project Manager/Principal Agent: _____ Place company stamp below:

Tel: _____

E-mail Address: _____

Signature: _____ Date: _____



Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Sir/Madam,

We are in the process of evaluating _____ for the above project.

Tenderers Company Name

They have listed you as a reference. Please evaluate the contractor's performance on the criteria listed below by ticking the appropriate boxes. This form to be submitted with the bid. If you have any questions, please do not hesitate to contact us.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD	VALUE OF WORK

1. KNOWLEDGEABLE IN THE FIELD IN WHICH THIS BID RELATES TO

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

2. TIME PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

3. FINANCIAL PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

4. WAS THE WORKS COMPLETED SATISFACTORY?

YES / NO (please circle)

If no, please provide details below:

Project Manager/Principal Agent: _____ Place company stamp below:

Tel: _____

E-mail Address: _____

Signature: _____ Date: _____

Reference No 3



Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Sir/Madam,

We are in the process of evaluating _____ for the above project.

Tenderers Company Name

They have listed you as a reference. Please evaluate the contractor's performance on the criteria listed below by ticking the appropriate boxes. This form to be submitted with the bid. If you have any questions, please do not hesitate to contact us.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD	VALUE OF WORK

1. KNOWLEDGEABLE IN THE FIELD IN WHICH THIS BID RELATES TO

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

2. TIME PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

3. FINANCIAL PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

4. WAS THE WORKS COMPLETED SATISFACTORY?

YES / NO (please circle)

If no, please provide details below:

Project Manager/Principal Agent: _____ **Place company stamp below:**

Tel: _____

E-mail Address: _____

Signature: _____ Date: _____



Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Sir/Madam,

We are in the process of evaluating _____ for the above project.

Tenderers Company Name

They have listed you as a reference. Please evaluate the contractor's performance on the criteria listed below by ticking the appropriate boxes. This form to be submitted with the bid. If you have any questions, please do not hesitate to contact us.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD	VALUE OF WORK

1. KNOWLEDGEABLE IN THE FIELD IN WHICH THIS BID RELATES TO

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

2. TIME PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

3. FINANCIAL PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

4. WAS THE WORKS COMPLETED SATISFACTORY?

YES / NO (please circle)

If no, please provide details below:

Project Manager/Principal Agent: _____ Place company stamp below:

Tel: _____

E-mail Address: _____

Signature: _____ Date: _____

**Reference No 5**

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Sir/Madam,

We are in the process of evaluating _____ for the above project.

Tenderers Company Name

They have listed you as a reference. Please evaluate the contractor's performance on the criteria listed below by ticking the appropriate boxes. This form to be submitted with the bid. If you have any questions, please do not hesitate to contact us.

NAME OF EMPLOYER	NAME OF PROJECT	CONTRACT PERIOD	VALUE OF WORK

1. KNOWLEDGEABLE IN THE FIELD IN WHICH THIS BID RELATES TO

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

2. TIME PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

3. FINANCIAL PERFORMANCE

EXCELLENT	VERY GOOD	GOOD	FAIR	POOR
5	4	3	2	1

4. WAS THE WORKS COMPLETED SATISFACTORY?

YES / NO (please circle)

If no, please provide details below:

Project Manager/Principal Agent: _____ Place company stamp below:

Tel: _____

E-mail Address: _____

Signature: _____ Date: _____

T2.2.2 b – Construction Method Statement

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Work Organization Program and Scheduling

Bidder to provide a Detailed Gantt Chart (Works Breakdown Structure Program) Showing:

- Summary tasks**
- Indicating a Critical Path**
- Time-lines within the project period**

Work organization program and scheduling to be attached here

T2.2.2 c – Key Personnel Qualifications

(Construction Manager)

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Attach documents & Certified Copies of Qualifications here

**T2.2.2 f – Key Personnel Qualifications
(Construction Supervisor)**

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Attach documents & Certified Copies of Qualifications here

T2.2.2 f – Key Personnel Qualifications

(Construction Health and Safety Officer)

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Attach documents & Certified Copies of Qualifications here

T2.2.2 f – Key Personnel Qualifications

(Artisan)

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Attach documents & Certified Copies of Qualifications here

T2.2.2 g – Key Personnel

(Skilled Staff)

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Attach documents & Certified Copies of Qualifications here

T2.2.2 h – Key Personnel Experience

(Semi-Skilled Support Staff)

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Attach documents & Certified Copies of Qualifications here

T2.2.2 i – Company Experience

(1) Practical Completion Certificate (completed projects)

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Supply and Installation of related projects with similar scope of works and complexity will be considered for evaluation purposes.

Projects with no-related scope of works will score no points for functionality.

Attach document here

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Provide a Letter of intent from a financial institution and Bank Rating Certificate

Attach document here

Note: Mandatory Returnable Schedule. Failure to submit as required will result in the bid being non-responsive.

Project title:	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAY RIVER
Bid No:	ECDC/INFRA/28/012024

Tenderer herewith confirms by signing below that he has read and understands the full scope of works and associated detailed specifications of this contract.

The client will not entertain any additional amount claimed due to a lack of understanding the full spectrum of the works.

Company Name:

.....
.....

Tenderer
Name:.....Signature.....Date.....

Company Authorised/

Accountable Person
Name:.....Signature.....Date.....

Company Stamp:

THE CONTRACT

Part C1: Agreements and Contract data

- C1.1 - Form of Offer and Acceptance
- C1.2 - Contract Data
- C1.3 - Form of Guarantee

C1.1 - Form of offer and acceptance

Annexure L:

C.1.1 FORM OF OFFER AND ACCEPTANCE OFFER

Note:

Mandatory Requirement. Failure to complete and Sign this document will result in the bid being nonresponsive.

OFFER

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

PROJECT: COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT

Bid No: ECDC/INFRA/28/012024

The Tenderer, identified in the Offer signature block below, has examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorized, signing this part of this Form of Offer and Acceptance, the Tenderer 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 OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

R (in figures)

.....
.....

Rand (in words)

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 tenderer before the end of the period of validity stated in the Tender data, whereupon the tenderer becomes the party named as the Service Provider in the conditions of Contract identified in the Contract Data.

THIS OFFER IS MADE BY THE FOLLOWING LEGAL ENTITY: (cross out block which is not applicable)

Company or close corporation:

.....
..... And:
whose registration number is:

.....
.....
And: whose income tax reference number
is:.....

Trading under the name and style of:

.....
.....

AND WHO IS:

Represented herein, and who is duly authorized to do so, by:

Mr/Mrs/Ms:

.....
.....
In his/her capacity as:
.....
.....

Note:

A resolution/power of attorney, signed by all the directors/ members/ partners of the legal entity must accompany this offer, authorizing the representative to make this offer.

SIGNED FOR THE TENDERER:

--	--	--

Name of Representative

Signature

Date

SIGNED BY WITNESS:

--	--	--

Name of Representative

Signature

Date

The tenderer elects as its *domicilium citandi et executandi* in the Republic of South Africa, where any and all legal notices may be served, as (physical address)

.....
.....
.....
.....

Other contact details of the tenderer are:

Telephone no

.....
.....
.....

Cellular phone no

.....
.....
.....

Fax no

.....
.....
.....

Postal address

.....
.....
.....

Banker

.....
.....
.....

Branch

.....
.....
.....

ACCEPTANCE

By signing this part of this form of offer and acceptance, ECDC accepts the bidder's offer. Acceptance of the bidder's offer shall form an agreement between the ECDC 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 the contract to be concluded.

- Agreements and Contract Data, (which includes this Agreement)
- Pricing data
- Scope of work.
- Site information and drawings and documents or parts thereof, which may be incorporated by reference into the volumes above.

Deviations from and amendments to the documents listed in the bid data and any addenda thereto as listed in the bid schedules as well as any changes to the terms of the offer agreed by the bidder and ECDC 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 agreed by both parties.

The bidder shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the ECDC's Legal Department to arrange documentation to be provided in terms of the conditions of contract identified in the contract. 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 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.

Signed for the ECDC:

Name of representative	Capacity	Date
.....		
Address	Signature	

Witnessed by:

Name of witness	Signature	Date

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 Tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid becomes 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 document 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 document arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1	Subject	
	Details	
2	Subject	
	Details	
3	Subject	
	Details	

By the duly authorised representative 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 bid data and addenda thereto as listed in the bid 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 acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the bid 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.

Signed for the ECDC

Name of Representative	Capacity	Signature

Signed by Bidder:

Name of Representative	Capacity	Signature

C1.2 - Contract data

C.1.2 Contract Data

The Conditions of Contract are the **JBCC Series 2000 Principal Building Agreement (Edition 6.2, May 2018)**, published by the Joint Building Contracts Committee Inc. Copies of these documents may be obtained from the **Association of South African Quantity Surveyors (011) 315 4140, the Master Builders Association (011)205 9000, the South African Association of Consulting Engineers (011) 463 2022 or the South African Institute of Architects (011) 486 0684.**

Each item of data given below is cross-referenced to the clause in the JBCC Principal Agreement to which it mainly applies.

Part 1: Data provided by the Employer

JBCC Clause	Data	
A 1.0 [1.1]	Works :	
	Project Name :	COMPLETION OF CONSTRUCTION OF THE ZUURBERG PEACE MEMORIAL PROJECT – SUNDAYS RIVER
	Reference Number:	ECDC/INFRA/28/012024
	Works Description :	Renovations to the following buildings; Kitchen and Dining Hall, Ablutions and Laundry, Classrooms, Classroom Ablutions, Guard House, Interpretive Centre, Tuck Shop, Reception Building and Memorial Site, completion of six partially built Cabins, and External Works.
A 2.0 [1.1]	Site :	
	Erf/ Stand Number	Portion 5 of Farm No.73
	Township/ Suburb	Sundays River Valley
	Site Address	Coordinates: 32°21'05.0"S and 25°44'33.0"E
	Local Authority	Sundays River Valley Local Municipality
A 3.0 [1.1]	Employer :	
	Official Name of Organ of State /Public Sector Body	Eastern Cape Development Corporation (ECDC)
	Business registration number	Co.Act 2 of 1997
	VAT/GST number	446 018 0955
	Country	South Africa
	Employer's representative Name	Mr. Kurt Groom
	Telephone number	043 704 5600
	E-mail	kgroom@ecdc.co.za
	Mobile number	083 555 6429
	Postal address	P.O Box 11197, Southernwood, 5213
	Physical address	ECDC, Ocean Terrace Park, Moore Street, Quigney, East London, 5201

A 4.0 [1.1]	Principal Agent :	
	Name	Brinkman Ndayi McAll (Pty) Ltd
	Legal entity of above	Brinkman Ndayi McAll (Pty) Ltd
	Practice number	PB 0111
	Country	South Africa
	Contract Person	Andrew Pritchard
	Telephone number	041 585 2125
	Mobile Number	082 901 1147
	E-mail	andrewp@bnm.co.za
	Postal address	P.O Box 12376, Central Hill, Gqeberha
	Physical address	Suite 1, Lyndon, 114 Park Drive, Gqeberha
A 5.0 [1.1]	Agent (1) :	Discipline : Quantity Surveyor
	Name	Pulana Baxter & Associates CC
	Legal entity of above	Pulana Baxter and Associates CC
	Practice number	151 656 42
	Country	South Africa
	Contract Person	Inga Jakavula
	Telephone number	043 721 0984
	Mobile Number	073 019 1810
	E-mail	inga@pba.co.za
	Postal address	Postnet Suite 32, P.O Box 432, East London, 5200
	Physical address	30 Chamberlain Road, Berea, East London, 5241
A 6.0 [1.1]	Agent (2) :	Discipline : Civil Engineer
	Name	SMEC South Africa (Pty) Ltd
	Legal entity of above	SMEC South Africa (Pty) Ltd
	Practice number	
	Country	South Africa
	Contract Person	Juan Kampman
	Telephone number	041 363 6777
	Mobile Number	082 628 2871
	E-mail	Juan.Kampman@smecc.co.za
	Postal address	P.O Box 35089, Newton Park, Gqeberha, 6055
	Physical address	7 Mangold Street, Newtown Park, Gqeberha, 6045

A 7.0 [1.1]	Agent (3) :	Discipline : Structural Engineer
	Name	ZNM Consulting Engineers (Pty) Ltd
	Legal entity of above	ZNM Consulting Engineers (Pty) Ltd
	Practice number	1090
	Country	South Africa
	Contract Person	Mzukisi Mashaba
	Telephone number	087 350 4035
	Mobile Number	079 895 0558
	E-mail	mzukisi@znmeng.co.za
	Postal address	8a Bonza Bay Road, Beacon Bay, East London
	Physical address	8a Bonza Bay Road, Beacon Bay, East London
A 8.0 [1.1]	Agent (4) :	Discipline : Mechanical Engineer
	Name	RNA Consulting Engineers
	Legal entity of above	RNA Consulting Engineers (Pty) Ltd
	Practice number	
	Country	South Africa
	Contract Person	Travis Warne
	Telephone number	043 742 0041
	Mobile Number	083 381 8985
	E-mail	travisw@rnaconsulteng.co.za
	Postal address	Postnet Suite: 136, Private Bag X3, Beacon Bay, East London
	Physical address	11 Bonza Bay Road, Beacon Bay, East London, 5241
A 9.0 [1.1]	Agent (5) :	Discipline : Electrical Engineer
	Name	RNA Consulting Engineers
	Legal entity of above	RNA Consulting Engineers (Pty) Ltd
	Practice number	
	Country	South Africa
	Contract Person	Eric Ceba
	Telephone number	041 581 2807
	Mobile Number	084 799 6027
	E-mail	ericc@rnaconsulteng.co.za
	Postal address	Postnet Suite: 41, Private Bag X 40106, Walmer, Gqeberha, 6055
	Physical address	87 Heugh Road, Walmer, Gqeberha, 6055

A 10.0 [1.1]	Agent (6) :	Discipline :	Health & Safety Agent
	Name	Lumcus Training & Consulting (Pty) Ltd	
	Legal entity of above	Lumcus Training & Consulting (Pty) Ltd	
	Practice number		
	Country	South Africa	
	Contract Person	Liza White	
	Telephone number	043 110 0198	
	Mobile Number	082 307 2592	
	E-mail	liza@lumcus.co.za	
	Postal address	242 Canary Place, Kayser's Beach, 5264	
	Physical address	242 Canary Place, Kayser's Beach, 5264	

PART B - CONTRACT INFORMATION

JBCC Clause	Data								
B 1.0 [1.1]	Definitions : Bills of quantities: System/Method of measurement								
B 2.0 [2.1]	Law, regulations and notices : Law applicable to the works, state country [2.1]		The governing law is the law of the Republic of South Africa The parties consent to the jurisdiction of the Port Elizabeth High Court Office for the purposes of this clause.						
B 3.0 [3.2]	Offer and Acceptance : Currency applicable to this agreement [3.2]								
B 4.0 [5.0] [5.2]	Documents : The original signed agreement is to be held by the principal agent [5.2], if not, indicate by whom								
[5.6]	Number of copies of construction information issued to the contractor at no cost [5.6]								
	Documents comprising the agreement The documents forming the agreement are to be taken as mutually explanatory of one another and for the purpose of interpretation, the priority of the documents shall be in accordance with the following sequence: the Form of Offer and Acceptance (a) The Schedule of Deviations (b) This Contract Data; (c) The standard JBCC building agreement Ed 6.2 May 2018 (d) The Drawings (e) The Specifications (f) The Bills of Quantities. If an ambiguity or discrepancy is found in the documents, the Principal Agent shall issue any necessary clarification or instruction								
	Contract drawings Contract drawings are contained in Part C3.2 (Book 1).								
B 5.0 [6.0] [6.2]	Employer's Agent : Authority is delegated to the following agents to issue contract instructions and perform duties for specific aspects of the works [6.2]								
[6.3]	Principal agent's and agents' interest or involvement in the works other than a professional interest [6.3]								
B6.0 [10.0]	INSURANCES : <table border="1"> <tr> <td>Insurances by Contractor</td> <td>Amount including tax</td> <td>Deductible amount including tax</td> </tr> <tr> <td>Yes/No? <input type="checkbox"/> Yes</td> <td></td> <td></td> </tr> </table>			Insurances by Contractor	Amount including tax	Deductible amount including tax	Yes/No? <input type="checkbox"/> Yes		
Insurances by Contractor	Amount including tax	Deductible amount including tax							
Yes/No? <input type="checkbox"/> Yes									
[10.1.1]	Contracts works insurance to be effected by: CONTRACTOR								
[10.1.2]	Supplementary/special insurance to be effected by: CONTRACTOR								
[10.1.3]	Public liability insurance to be effected by: CONTRACTOR								
[10.1.4]	Removal of lateral support insurance to be effected by: Not applicable								
[10.1.5]	Other insurances to be effected by: Not applicable								
B7.0	Obligations of the employer:								

[12.1] [12.1.2]	Existing premises will be in use and occupied [12.1.2]			Yes/No?	No
	If Yes, description	N/A			
[12.1.2]	Restriction of working hours [12.1.2]			Yes/No?	No
	If Yes, description	N/A			
[12.1.3]	Natural features and known services to be preserved by the contractor [12.1.3]			Yes/No?	Yes
	If Yes, description	Natural habitat			
[12.1.4]	Restrictions to the site or areas that the contractor may not occupy [12.1.4]			Yes/No?	No
	If Yes, description	N/A			
[12.1.10]	Supply of free issue [12.1.10]			Yes/No?	No
	If Yes, description	N/A			
B8.0 [14.0]	Nominated Subcontractor's:				
	Yes/no?	No	If yes, description of specialisation		
	Specialisation 1		N/A		
B9.0 [15.0]	Selected Subcontractor's:				
	Yes/no?	Yes	If yes, description of specialisation		
	Specialisation 1		Electrical Installation and Mechanical Installation		
B10.0 [16.0]	Direct Subcontractor's:				
	Yes/no?	No	If yes, description of extent of works		
[12.1.11]	Extent of works [12.1.11]		N/A		
B11.0 [20.1]	Description of sections:				
	Sectional work completion?		No	If yes, description of sections	
	Section No.1		N/A		
	Section No.2		N/A		
	Section No.3		N/A		
	Section No.4		N/A		
B12.0 [12.1.5]	Possession of site:				
	Intended date of possession of the site Refer B17.0 [12.1.5; 12.2.22]		Possession of site shall be given to the Contractor after submission by the Contractor of the documents indicated in the Form of Offer and Acceptance and approval of the Contractor's Safety, Health and Environmental Plan.		
[19.0]	Practical Completion (Works as a whole):				
[19.3]	Yes/No?		Yes		
[12.2.7]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]		12 (Twelve) Calendar months from possession of site (excluding annual builders' holiday)		

[24.0]	Penalty:		
	Penalty for late completion [24.1]	2,75 Cents per R100 of Contract Sum excl. VAT per calendar day	
[19.0]	Practical Completion (Sectional):		
	Yes/No?	No	
[19.3]	Period for inspection by the principal agent [19.3]	N/A:	
[12.2.7]	The date for practical completion shall be the period as indicated below from the date of possession of the site by the contractor [12.2.7; 24.1]	N/A	
[24.0]	Penalty:		
	Penalty for late completion [24.1]	N/A	
[24.1]			
[12.2.7]	Criteria to achieve practical completion not covered in the definition of practical completion	N/A	
B13.0 [21.0]	Defects liability period:		
	Extended defects liability period: Refer B17.0 [21.13]		Yes/No
	If yes, description of applicable elements	13.1 13.2 13.3 13.4 13.5	
B14.0 [25.0] [25.2]	Payments:		
	Date of month for issue of regular payment certificates [25.2]	The interim payment certificate is to be issued by the 25th day of each month	
[25.3.4;26.9.5]	Contract price adjustment / Cost fluctuations [25.3.4; 26.9.5]	Yes, the contract value shall be adjusted according to CPAP. The base month for the application of CPAP is the month of closing of the tender.	
	If yes, method to calculate	Haylett Formula	
	Employer shall pay the contractor within: [25.10]	Thirty (30) Calendar days	
B15.0 [30.0] [30.3.1;30.10]	Dispute resolution:		
	Adjudication [30.6.1; 30.10] Name of nominating body	N/A	
	Applicable rules for adjudication [30.6.2]	N/A	

[30.7.4;30.10]	Arbitration [30.7.4; 30.10] If Yes, name of nominating body * If No, then dispute will be referred to litigation	Yes/No?	Yes	The dispute resolution body shall be the Association of Arbitrators (Southern Africa).
[30.7.5]	Applicable rules for arbitration [30.7.5]	N/A		
B16.0	JBCC® General Preliminaries - Selections:			
[P2.2]	Provisional bills of quantities [P2.2]	Yes/No?	No	
[P2.3]	Availability of construction information [P2.3]	Yes/No?	Yes	
[P3.1]	Previous work - dimensional accuracy - details of previous contract(s) [P3.1]	N/A		
[P3.2]	Previous work - defects - details of previous contract(s) [P3.2]	N/A		
[P3.3]	Inspection of adjoining properties - details [P3.3]	N/A		
[P4.1]	Handover of site in stages - specific requirements [P4.1]	N/A		
[P4.2]	Enclosure of the works - specific requirements [P4.2]	Hoardings must be priced for under this clause in the Preliminaries Bill and no claims for additional hoardings will be entertained.		
[P4.3]	Geotechnical and other investigations - specific requirements [P4.3]	YES		
[P4.5]	Existing premises occupied - details [P4.5]	NO		
[P4.6]	Services - known - specific requirements [P4.6]	N/A		
[P8.1]	Water [8.1]	By Contractor	Yes/No?	Yes
		By Employer	Yes/No?	No
		By Employer - metered	Yes/No?	No
[P8.2]	Electricity [8.2]	By Contractor	Yes/No?	Yes
		By Employer	Yes/No?	No
		By Employer - metered	Yes/No?	No
[P8.3]	Ablution and welfare facilities [8.3]	By Contractor	Yes/No?	Yes
		By Employer	Yes/No?	No
[P8.4]	Communication facilities - specific requirements [P8.4]	N/A		
[P11.1]	Protection of the works - specific requirements [P11.1]	N/A		
[P11.2]	Protection / isolation of existing works and works occupied in sections - specific requirements [P11.2]	N/A		
[P11.5]	Disturbance - specific requirements [P11.5]	N/A		
[P11.6]	Environmental disturbance - specific requirements [P11.6]	N/A		

B17.0	Changes made to JBCC® documentation
1.1	<p>Definitions</p> <p>AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and JBCC® contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representatives of the parties</p> <p>CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion</p> <p>CONTRACT DATA FOR ORGANS OF STATE AND OTHER PUBLIC SECTOR BODIES: The document listing the Organs of State and other Public Sector Bodies' requirements and the project specific information</p> <p>INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999), calculated as simple interest, in respect of debts owing to the State, and will be the rate as determined by the Minister of Justice and Constitutional Development from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975), calculated as simple interest, in respect of debts owing by the State</p> <p>PRINCIPAL AGENT: The person or entity appointed by the employer and named in the contract data for organs of state and other public sector bodies. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by the employer's representative as named in the contract data for organs of state and other public sector bodies</p>
3.0	<p>Offer and Acceptance</p> <p>Amend 3.3 to read as follows: This agreement shall come into force on the date as stated on the Form of Offer and Acceptance and continue to be of force and effect until the end of the latent defects liability period [22.0] notwithstanding termination [29.0] or the certification of final completion [21.0] and final payment [25.0]</p>
6.0	<p>Employer's Agents</p> <p>Add the following as 6.7: In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent. The employer shall sign all documents in relation to clauses 4.2, 14.1.2, 14.1.4, 14.4.1, 14.6, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12 and 28.4</p>
9.0	<p>Indemnities</p> <p>9.2.7: Add the following to the end of the first sentence: "... due to no fault of the contractor"</p>
10.0	<p>Insurances</p> <p>Add the following as 10.1.5.1:</p> <p>Hi Risk Insurance In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p> <p>10.1.5.1.1 Damage to the works The contractor shall, from the date of possession of the site until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs</p> <p>10.1.5.1.2 Injury to persons or loss of or damage to property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</p> <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.1.5.1.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the date of possession of the site, but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.1.5.1.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under</p>

	this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole
11.0	Securities Amend 11.10 to read as follows: There shall be no lien or right of retention held by any contractor in respect of the works executed on site
12.0	Obligations of the Parties Amend 12.1.5 to read as follows: Give possession of the site to the contractor within ten (10) working days of the contractor complying with the terms of 12.2.22 12.2.2: Not applicable Add the following as 12.2.22: Within fifteen (15) working days of the date of the agreement submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)
19.0	Practical Completion 19.5: Delete the words "subject to the contractor 's lien or right of continuing possession of the works where this has not been waived"
21.0	Defects Liability Period and Final Completion Add the following as 21.13: The ninety (90) calendar days defects liability period for the works [21.1] is replaced with a period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements
25.0	Payment 25.7.5: Not applicable 25.10: Delete the words "and/or compensatory interest " 25.14.2: Not applicable
27.0	Recovery of Expense and/or Loss 27.1.5: Not applicable
29.0	Termination Add the following after 29.1.3: or where ... 29.1.4: The contractor 's estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 29.1.5: The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract
NEW	The contractor shall achieve in the performance of the contract the Contract Skills Development Goals (CSDG) established in the CIDB Standard for Developing Skills through Infrastructure Contracts (published in GN 43495 of 3 July 2020)
NEW	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)

C TENDERER'S SELECTIONS

C 1.0 Securities [11.0]

Guarantee for construction: Select Option A or B

Option A	Guarantee for construction (variable) by contractor [11.1.1]
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Option B	Guarantee for construction (fixed) by contractor [11.1.2]
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Guarantee for payment by employer [11.5.1; 11.10]	Not applicable
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Advance payment, subject to a guarantee for advance payment [11.2.2; 11.3]	Not applicable
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C 2.0 Contractor's annual holiday periods during the construction period

Year 1 contractor's annual holiday period	start date	13 December 2024	end date	05 January 2025
Year 2 contractor's annual holiday period	start date		end date	
Year 3 contractor's annual holiday period	start date		end date	

C 3.0 Payment of preliminaries [25.0]

Contractor's selection

Select Option A or B

Where the contractor does not select an option, Option A shall apply

Payment methods

Option A	The preliminaries shall be paid in accordance with an amount prorated to the value of the works executed in the same ratio as the amount of the preliminaries to the contract sum, which contract sum shall exclude the amount of preliminaries. Contingency sum(s) and any provision for cost fluctuations shall be excluded for the calculation of the aforesaid ratio
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Option B	The preliminaries shall be paid in accordance with an amount agreed by the principal agent and the contractor in terms of the priced document to identify an initial establishment charge, a time-related charge and a final dis-establishment charge. Payment of the time-related charge shall be assessed by the principal agent and adjusted from time to time as may be necessary to take into account the rate of progress of the works
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Lump sum contract

Where the amount of preliminaries is not provided it shall be taken as 7.5% (seven and a half per cent) of the contract sum, excluding contingency sum(s) and any provision for cost fluctuations

C 4.0 Adjustment of preliminaries [26.9.4]

Contractor's selection

Select Option A or B

Where the contractor does not select an option, Option A shall apply

Provision of particulars

The contractor shall provide the particulars for the purpose of the adjustment of preliminaries in terms of his selection. Where completion in sections is required, the contractor shall provide an apportionment of preliminaries per section

Option A	An allocation of the preliminaries amounts into Fixed, Value-related and Time-related amounts as defined for adjustment method Option A below, within fifteen (15) working days of the date of acceptance of the tender
Option B	A detailed breakdown of the preliminaries amounts within fifteen (15) working days of possession of the site . Such breakdown shall include, inter alia, the administrative and supervisory staff, the use of construction equipment , establishment and dis-establishment charges, insurances and guarantees, all in terms of the programme

Adjustment methods

The amount of **preliminaries** shall be adjusted to take account of the effect which changes in time and/or value have on **preliminaries**. Such adjustment shall be based on the particulars provided by the **contractor** for this purpose in terms of Options A or B, shall preclude any further adjustment of the amount of **preliminaries** and shall apply notwithstanding the actual employment of resources by the **contractor** in the execution of the **works**

Option A	The preliminaries shall be adjusted in accordance with the allocation of preliminaries amounts provided by the contractor , apportioned to sections where completion in sections is required
	Fixed - An amount which shall not be varied
	Value-related - An amount varied in proportion to the contract value as compared to the contract sum . Both the contract sum and the contract value shall exclude the amount of preliminaries , contingency sum(s) and any provision for cost fluctuations
	Time-related - An amount varied in proportion to the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4]
Option B	The adjustment of preliminaries shall be based on the number of calendar days extension to the date of practical completion to which the contractor is entitled with an adjustment of the contract value [23.2; 23.3] as compared to the number of calendar days in the initial construction period [26.9.4]
	The adjustment shall take into account the resources as set out in the detailed breakdown of the preliminaries for the period of construction during which the delay occurred

Failure to provide particulars within the period stated

Option A	Where the allocation of preliminaries amounts for Option A is not provided, the following allocation of preliminaries amounts shall apply:
	Fixed - Ten per cent (10%) Value-related - Fifteen per cent (15%) Time-related - Seventy-five per cent (75%)
	Where the apportionment of the preliminaries per section is not provided, the categorised amounts shall be prorated to the cost of each section within the contract sum as determined by the principal agent
Option B	Where the detailed breakdown of preliminaries amounts for Option B is not provided, Option A shall apply

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations.

C1.3 – Form of Guarantee

Part C2: Pricing data

C2.1 - Pricing instructions

C2.1 - Pricing instructions

C2.1.1 **PREAMBLE TO THE SCHEDULE OF PRICES**

C2.1.1.1 **All** prices shall be quoted in the currency of the Republic of South Africa and will be held to be firm unless otherwise stated, in which case sufficient information must be afforded at the time of tendering to indicate the basis on which payment shall be adjusted.

C2.1.1.2 The Tenderer shall enter a price against each item in the schedule of prices. If the Tenderer fails to enter a price against any item in the schedule of prices the relevant cost for such item shall be regarded as being covered by other prices in the schedule of prices. **Should an item specifically be excluded from the offer submitted, such tender will be regarded as non-responsive and not be considered.**

C2.1.1.3 The prices quoted against each item of these schedules shall cover the full inclusive cost of everything required for the execution of the work under the item plus an apportionment of any cost involved in meeting the obligations and liabilities imposed by the conditions of contract and in complying with the specifications.

C2.1.1.4 The prices quoted for the supply of plant and equipment shall include for all handling, loading, transporting and of-loading required for the delivery of the plant and equipment to the site, including in the case of of-site storage for double handling at the store.

C2.1.1.5 The prices quoted for erection and installation shall include for all handling, loading, transporting and of-loading, to take plant and equipment to place on site where required, erection, installation, painting, commissioning, operating, testing, adjusting, handing over in proper working order and upholding for a period of 12 months, all as specified.

C2.1.1.6 Any additional charges in connection with of-site storage which there may be over and above the prices quoted in the various sections of these schedules of prices shall be set out in detail by the Tenderer.

C2.1.1.7 The tendered rates and amounts must exclude Value Added Tax (VAT) but must include all levies, other taxes and duties on items to which they apply. Separate provision has been made in the Tender Summary for the purpose of VAT.

C2.1.1.8 Amounts allowed for contingencies will be spent in part or as a whole at the sole discretion of the Principal Agent.

C2.1.1.9 Schedule of Prices shall be completed and signed in **black ink**. Corrections must be done by deleting, rewriting and initialling next to the amendment.

C2.1.1.10 **The Bills of Quantities are not to be used for the purpose of ordering materials**

C2.2 - Bill of Quantities

(See Attached)

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
	The JBCC Principal Building Agreement For Organs Of State (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described			
	The JBCC Principal Building Agreement contract data form an integral part of this agreement			
	The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described			
	The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause			
	The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only			
	Where any item is not relevant to this agreement such item is marked N/A signifying 'not applicable'			
	Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents			
	Carried to Collection			
Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

PREAMBLES FOR TRADES

The General Preambles for Trades 2008 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications

STRUCTURE OF THIS PRELIMINARIES BILLSection A:

A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement

Section B:

A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries

Section C:

Any special clauses to meet the particular circumstances of the project

PRICING OF PRELIMINARIES

Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)

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COMPLETION OF ZUURBERG PEACE MEMORIAL

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SECTION A: PRINCIPAL BUILDING AGREEMENTInterpretation (A1-A7)

1 Clause 1.0 - Definitions and interpretation

Bills of quantities

The Bill of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended published and issued by the Association of South African Quantity Surveyors - Seventh Edition, 2015

Pricing of bills of quantities

The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities

Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained

Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary

Abbreviated descriptions

The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear,

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	the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice Legal status of contractor		
	If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:		
1	1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer	Item	
1	Clause 2.0 - Law, regulations and notices Law applicable to the works: Republic of South Africa	Item	
2	Clause 3.0 - Offer and acceptance Currency applicable to this agreement: ZAR	Item	
3	Clause 4.0 - Cession and assignment	Item	
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1	<p>Clause 5.0 - Documents</p> <p>The original signed agreement is to be held by the East Cape Development Corporation</p> <p>The number of copies of construction information to be issued to the contractor at no cost: 3</p> <p>Documents comprising the agreement:</p> <p>The JBCC® Principal Building Agreement For Organs Of State, Edition 6.2 May 2018</p> <p>The JBCC® General Preliminaries for use with the JBCC® Principal Building Agreement, Edition 6.2 May 2018</p> <p>Contract drawings</p> <p>Bills of Quantities (balanced)</p>	Item	
2	<p>Clause 6.0 - Employer's agents</p> <p>The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]</p> <p>Principal Agent and delegated authority</p> <p>Principal agent's and agents interest of involvement in the works other than a professional interest</p> <p>N/A</p>	Item	
3	Clause 7.0 - Design responsibility	Item	
	<u>Insurances and securities (A8-A11)</u>		
4	Clause 8.0 - Works risk	Item	
5	Clause 9.0 - Indemnities	Item	
6	Clause 10.0 - Insurances	Item	
	Carried to Collection		R
	Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL		

1	<p>Clause 11.0 - Securities</p> <p>Waiver of lien</p> <p>It is expected of the contractor to waive his lien in terms of clause 11.10</p> <p>Extension of waiver of lien</p> <p>The contractor shall ensure that a waiver of lien is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [11.10]</p>	Item	
	<p>Carried to Collection</p> <p>Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL</p>	R	

	<u>Execution (A12 - A17) }</u>		
1	<p>Clause 12.0 - Obligations of the parties</p> <p>Office accommodation</p> <p>The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site. Such offices shall be kept clean and fit for use at all times [12.2.18]</p> <p>Notice board</p> <p>The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]</p> <p>Statutory and other notices</p> <p>The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard. It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto</p>		Item
2	Clause 13.0 - Setting out		Item
3	Clause 14.0 - Nominated subcontractors		Item
4	Clause 15.0 - Selected subcontractors		Item
	As listed in the Contract Data		
		Carried to Collection	
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1	<p>Clause 16.0 - Direct contractors</p> <p>Attendance on direct contractors</p> <p>In respect of direct contractors the contractor shall:</p> <ol style="list-style-type: none"> 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the user of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [16.1] 	Item	
2	<p>Clause 17.0 - Contract instructions</p> <p>Site instructions</p> <p>Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor</p> <p><u>Completion (A18 - A24) }</u></p>	Item	
3	Clause 18.0 - Interim completion	Item	
4	Clause 19.0 - Practical completion	Item	
5	Clause 20.0 - Completion in sections	Item	
6	Clause 21.0 - Defects liability period and final completion	Item	
7	Clause 22.0 - Latent defects liability period	Item	
	Carried to Collection		R
<p>Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL</p>			

1	<p>Clause 23.0 - Revision of the date for practical completion</p> <p>Substitution of materials and goods</p> <p>The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [17.1.8; 23.1 & 2]</p>	Item	
2	Clause 24.0 - Penalty for late or non-completion	Item	
	<u>Payment (A25 - A27) }</u>		
3	<p>Clause 25.0 - Payment</p> <p>Prices submitted</p> <p>Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing</p>	Item	
	Carried to Collection		R
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<u>Amendments, modifications, corrections or supplements to the General Preliminaries in Section B are recorded in the contract data</u>			
<u>Definitions and interpretation (B1)</u>			
1	Clause 1.1 - Definitions	Item	
2	Clause 1.2 - Interpretation	Item	
<u>Documents (B2)</u>			
3	Clause 2.1 - Checking of documents	Item	
4	Clause 2.2 - Provisional bills of quantities	Item	
5	Clause 2.3 - Availability of construction information	Item	
6	Clause 2.4 - Ordering of materials and goods	Item	
<u>Previous work and adjoining properties (B3)</u>			
7	Clause 3.1 - Previous work - dimensional accuracy	Item	
8	Clause 3.2 - Previous work - defects	Item	
9	Clause 3.3 - Inspection of adjoining properties	Item	
<u>The site (B4)</u>			
10	Clause 4.1 - Handover of site in stages	Item	
11	Clause 4.2 - Enclosure of the works	Item	
12	Clause 4.3 - Geotechnical and other investigations	Item	
13	Clause 4.4 - Encroachments	Item	
14	Clause 4.5 - Existing premises occupied	Item	
15	Clause 4.6 - Services - known	Item	
<u>Management of contract (B5)</u>			
16	Clause 5.1 - Management of the works	Item	
		Carried to Collection	
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1	Clause 5.2 - Progress meetings	Item	
2	Clause 5.3 - Technical meetings	Item	
	<u>Samples, shop drawings and manufacturer's instructions (B6)</u>		
3	Clause 6.1 - Samples of materials	Item	
4	Clause 6.2 - Workmanship samples	Item	
5	Clause 6.3 - Shop drawings	Item	
6	Clause 6.4 - Compliance with manufacturer's instructions	Item	
	<u>Deposits and fees (B7)</u>		
7	Clause 7.1 - Deposits and fees	Item	
	<u>Temporary services (B8)</u>		
8	Clause 8.1 - Water	Item	
9	Clause 8.2 - Electricity	Item	
10	Clause 8.3 - Ablution and welfare facilities	Item	
11	Clause 8.4 - Communication facilities	Item	
	<u>Prime cost amounts (B9)</u>		
12	Clause 9.1 - Responsibility for prime cost amounts	Item	
	<u>Attendance on subcontractors (B10)</u>		
13	Clause 10.1 - General attendance	Item	
14	Clause 10.2 - Special attendance	Item	
	<u>General (B11)</u>		
15	Clause 11.1 - Protection of the works	Item	
16	Clause 11.2 - Protection/isolation of existing works and works occupied in sections	Item	
	Carried to Collection		
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1	Clause 11.3 - Security of the works	Item	
2	Clause 11.4 - Notice before covering work	Item	
3	Clause 11.5 - Disturbance	Item	
4	Clause 11.6 - Environmental disturbance Controlling all forms of pollution The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc.	Item	
5	Clause 11.7 - Works cleaning and clearing	Item	
6	Clause 11.8 - Vermin	Item	
7	Clause 11.9 - Overhand work	Item	
8	Clause 11.10 - Tenant installations	Item	
9	Clause 11.11 - Advertising	Item	

SECTION C: SPECIFIC PRELIMINARIES

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Bill No. 1
PRELIMINARIES
COMPLETION OF ZUURBERG PEACE MEMORIAL

R

	<u>Specific Preliminaries</u>		
1	<p>Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice</p> <p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p>	Item	
2	Overtime	Item	
	Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer	Item	
3	Cooperation of the contractor for cost management	Item	
	It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget	Item	
	Carried to Collection	R	
	Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL		

1	Overloading			
	The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense	Item		
2	Propping of floors below		Item	
	The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor			
3	Testing of flat roof waterproofing for watertightness		Item	
	Flat roof waterproof areas shall be flooded and kept 'ponded' for at least forty eight hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing			
	Carried to Collection		R	
Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL				

1	<p>The principal contractor shall comply with all the requirement of mandatory subcontracting of SMMEs for a minimum of 30% of their contract value (Including VAT) as stipulated under the SMME subcontracting requirements. The Principal Contractor shall on a fulltime basis closely mentor, manage and supervise all SMMEs and shall manage, guide, and assist each SMMEs in all aspects of management, execution and completion of his/her subcontract. This shall typically include the on-site productivity planning and management of materials, cost management, contract management, Health and Safety management, quality management, communication management and close-out documentation.</p> <p>Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p>	Item	
2	<p>Health and safety</p> <p>Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification [2.1]</p>	Item	

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Bill No. 1
PRELIMINARIES
 COMPLETION OF ZUURBERG PEACE MEMORIAL

1	<p>The contractor shall</p> <ol style="list-style-type: none"> 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Cooperate with the health and safety consultant in all respects 4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the employer's health and safety specification 	Item	
2	<p>Broad based black economic empowerment (BBBEE)</p> <p>Tenders submitted will be evaluated taking into account their empowerment rating</p> <p>The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works</p> <p>The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating</p>	Item	
3	<p>Advertising rights</p> <p>The may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement</p>	Item	
	<p>Carried to Collection</p> <p>Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL</p>	R	

1	Confidentiality			
	The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works			
	No information regarding this project shall be published or disclosed without the prior written consent of the employer	Item		
2	Media releases			
	All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer. The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media	Item		
<u>SUMMARY OF CATEGORIES</u>				
	<u>Category : Fixed R.....</u>			
	<u>Category : Value R.....</u>			
	<u>Category : Time R.....</u>			
Carried to Collection				
Bill No. 1 PRELIMINARIES COMPLETION OF ZUURBERG PEACE MEMORIAL			R	

Bill No. 1

PRELIMINARIES

COLLECTION

Total Brought Forward from Page No.

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Amount

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Bill No. 1

PRELIMINARIES

COMPLETION OF ZUURBERG PEACE MEMORIAL

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>RENOVATIONS TO KITCHEN AND DINING</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc including washing down to a clean surface	m ²	483	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Sundries</u>			
2	Remove existing Jointex blocking piece between building and existing concrete paving and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant (Provisional)	m	129	
3	700 x 700 x 100mm Thick precast concrete purpose made chimney capping finished smooth from the mould on all surfaces and fixed on top of existing chimney stack	No	2	
	<u>WATERPROOFING</u>			
	<u>JOINT SEALANTS</u>			
4	"Secomastic" or other approved mastic sealer in neatly pointing and sealing at junction of steel/timber/aluminium windows or door frames with brickwork	m	10	
	<u>CARPENTRY AND JOINERY</u>			
	Carried to Collection			
Bill No. 2	RENOVATIONS TO KITCHEN AND DINING	R		
	COMPLETION OF ZUURBERG PEACE MEMORIAL			

<u>EAVES, VERGES, ETC</u>			
1	Refix in position existing loose 19mm timber quadrant bead at eaves covering (Provisional)	m	15
<u>SKIRTINGS</u>			
<u>Wrot Meranti</u>			
2	22 x 100mm Skirting including 19mm quadrant bead	m	32
3	Ditto, to treads and risers of stairs	m	6
<u>DOORS</u>			
4	Service/repair where necessary existing timber single door size 0.81 x 2.03m including steel frame and lockset to ensure that it is in proper working order	No	5
5	Ditto, size 1.53 x 2.03m	No	1
6	Ditto, but double door size 1.53 x 2.03m hung to swing in both directions	No	1
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>Sundries</u>			
7	Form hinged trap door in gypsumboard ceiling complete size 600 x 600mm complete with framework, hinges, etc and fixing in existing opening in ceiling	No	1
<u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u>			
<u>FLOOR COVERINGS</u>			
Carried to Collection			
Bill No. 2			
RENOVATIONS TO KITCHEN AND DINING			
COMPLETION OF ZUURBERG PEACE MEMORIAL			

Carried to Collection

Bill No. 2
RENOVATIONS TO KITCHEN AND DINING
COMPLETION OF ZUURBERG PEACE MEMORIAL

	<u>300 x 300 x 2.5mm Thick "Floorworx Floorflex" Semi Flexible Vinyl Floor Tiles With Colours To Match Existing Fixed To Screeding Floors With Adhesive In Strict Accordance With The Manufacturers Instructions</u>			
1	On floors	m2	12	
	<u>Sundries</u>			
2	Strip and seal existing, part new vinyl tiles with an approved product all in strict accordance with the manufacturers instructions	m2	369	
	<u>IRONMONGERY</u>			
3	Door stop as Dorma DDS-017-SS	No	13	
4	750 x 900mm Type 316 stainless steel kick plate counter screwed around perimeter to existing door	No	4	
	<u>METALWORK</u>			
	<u>EXISTING BALUSTRADING</u>			
5	Grout into existing recess steel post of existing balustrading with non-shrink grout and make good	No	4	
	<u>ALUMINIUM WINDOWS AND DOORS</u>			
	<u>Service/Repair Where Necessary Existing Aluminium Windows And Doors Including Ironmongery to Ensure That They Are In Proper Working Order Including Cleaning Down Surfaces, Removing Bird Droppings, Dirt, Etc</u>			
6	Window size 0.80 x 0.80m with one opening section	No	18	
7	Ditto, size 1.50 x 0.80m	No	4	
	Carried to Collection			R
Bill No. 2	RENOVATIONS TO KITCHEN AND DINING			
	COMPLETION OF ZUURBERG PEACE MEMORIAL			

1	Window size 0.60 x 1.80m with two opening sections	No	5	
2	Ditto, size 1.30 x 1.20m	No	3	
3	Window size 1.50 x 1.20m with two sliding sections	No	1	
4	Single door size 0.90 x 2.10m	No	3	
5	Double door size 1.80 x 2.30m	No	2	
6	Stack door in five panels size 3.80 x 2.30m	No	3	
<u>ROLLER SHUTTER DOORS</u>				
7	Service/repair where necessary existing steel roller shutter door size 4.80 x 1.10m to ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	1	
<u>PLASTERING</u>				
<u>SCREEDS</u>				
<u>Cement Screeds On Concrete</u>				
8	30mm Thick on floors in patches (Provisional)	m ²	5	
<u>INTERNAL PLASTER</u>				
<u>Cement Plaster On:</u>				
9	Walls in patches (Provisional)	m ²	5	
<u>EXTERNAL PLASTER</u>				
Carried to Collection				
Bill No. 2 RENOVATIONS TO KITCHEN AND DINING COMPLETION OF ZUURBERG PEACE MEMORIAL				

<u>Cement Plaster On:</u>			
1	Walls in patches (Provisional)	m2	25
	<u>Sundries</u>		
2	Break up and remove from site existing 30mm thick defective screed in patches and prepare to receive new screed (elsewhere measured) (Provisional)	m2	5
3	Break up and remove from site existing defective internal plaster to walls in patches and prepare to receive new plaster (elsewhere measured) (Provisional)	m2	5
4	Ditto, but external plaster (Provisional)	m2	25
5	Provide the budgetary allowance of R 3 000-00 (three thousand rand) for repairs to floor cracks to be adjusted as required	Item	3,000.00
<u>TILING</u>			
<u>WALL TILING</u>			
<u>300 x 600mm White Glazed Porcelain Tiles To Match Existing (Allow The Prime Cost Sum Of R 250.00/M2 Nett For Supply To Be Adjusted As Required) Fixed With Adhesive To Plaster (Plaster elsewhere measured) And Flush Pointed With Tal Tinted Epoxy Grout</u>			
6	On walls in patches (Provisional)	m2	10
	<u>Sundries</u>		
7	Clean down existing porcelain tiled walls of all bird droppings, dirt, etc including washing down to a clean surface	m2	81
Carried to Collection			
Bill No. 2 RENOVATIONS TO KITCHEN AND DINING COMPLETION OF ZUURBERG PEACE MEMORIAL			
R			

1	Apply tinted grout to porcelain tiles where grout is missing (Provisional)	m2	10	
2	Break up and remove from site existing defective porcelain tiles to walls and prepare to receive new tiles (elsewhere measured) (Provisional)	m2	10	
<u>FLOOR TILING</u>				
<u>Provide The Prime Cost Sum Of R 300.00/m2 Nett</u> <u>Supply Only For 500 x 500mm Porcelain Floor Tiles -</u> <u>Prices Are To Include For Laying On Screeded Floors,</u> <u>Tal Goldstar Adhesive, Pointing With Tal Tinted Epoxy</u> <u>Grout, Waste And Profit (Screeds Elsewhere Measured)</u>				
3	On floors	m2	8	
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
<u>RAINWATER GOODS</u>				
<u>PVC Gutters And Downpipes</u>				
4	110mm Diameter rainwater pipes fixed to walls including brackets	m	10	
5	Extra for shoe/bend	No	6	
<u>Watertite Or Other Approved Prepainted Aluminium</u> <u>Continuously Rolled Gutters, Downpipes And</u> <u>Accessories With Colour To Match Existing</u>				
6	Extra for stopped end to existing gutter	No	4	
7	Ditto, outlet for 110mm diameter PVC rainwater pipe	No	2	
Carried to Collection				
Bill No. 2 RENOVATIONS TO KITCHEN AND DINING COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

	<u>Sundries</u>			
1	Flush out internal of existing 5000 litre Jojo water tank of all dirt, mud, leaves, etc and re-secure in position with hoop iron straps fixed to tank and concrete tank base	No	4	
2	Jojo Tanks First Flush diverter set comprising T-junction, sealing valve and flow control valve with cap including fixing in position	No	2	
3	Jojo Rainhead leaf eater including fixing in position	No	2	
<u>SOIL AND WASTE WATER DRAINAGE</u>				
4	Allow for rodding and cleaning out all existing sewer lines under and around the building up to the external main line/manhole	Item		
<u>SANITARY PLUMBING</u>				
5	Allow for rodding and cleaning out all existing waste water lines in walls, under floors, etc from the building to external drain point	Item		
<u>UPVC Pipes And Fittings</u>				
6	50mm Pipes	m	3	
<u>Extra For:</u>				
7	50mm Straight reducer	No	3	
8	50mm Bend	No	2	
9	50mm Junction	No	1	
Carried to Collection				
Bill No. 2 RENOVATIONS TO KITCHEN AND DINING COMPLETION OF ZUURBERG PEACE MEMORIAL				

	<u>Sundries</u>			
1	50mm Chromium plated sink waste to match existing including plug and chain	No	3	
2	40 x 40mm Chromium plated bottle trap as Cobra COB-365/40 including joint to pipe and outlet of fitting	No	3	
3	Stainless steel grease trap as Rofo GT700 or other approved size 700 x 400 x 400mm including fixing in position and connecting to pipes	No	3	
	<u>SANITARY FITTINGS</u>			
4	Service existing stainless steel wash hand basin including two pillar taps and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	1	
5	Service existing stainless steel double bowl pot wash sink including sink mixer and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	2	
	<u>WATER SUPPLY</u>			
6	Connect up existing 15mm Flexi hose to existing sink mixer	No	2	
	<u>FIRE SERVICE</u>			
7	4.5 Kg DCP fire extinguisher fixed to wall with and including mounting bracket and 19 x 250 x 500mm painted meranti backing board with arris rounded edges	No	6	
	<u>PAINTING</u>			
	<u>PAINTING, ETC TO NEW WORK</u>			
	<u>ON PLASTER, ETC</u>			
	Carried to Collection			
Bill No. 2 RENOVATIONS TO KITCHEN AND DINING COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

<u>Prepare Surface And Apply One Coat Sabre Enviro Plaster Primer And Two Coats Sabre Poly Acrylic Paint On:</u>				
1	Internal plastered walls in patches (Provisional)	m2	5	
2	External plastered walls in patches (Provisional)	m2	25	
<u>ON METAL</u>				
<u>Prepare Surface And Apply One Coat Sabre Metal Primer And Two Coats Sabre Satin Non drip Acrylic Paint On:</u>				
3	Galvanised balustrading	m2	9	
<u>ON WOOD</u>				
<u>Prepare Surface And Apply One Coat Sabre Wood Primer On:</u>				
4	Backs of skirtings not exceeding 300mm girth	m	38	
<u>Prepare Surface And Apply One Coat Sabre Wood Primer And Two Coats Sabre Satin non Drip Acrylic On:</u>				
5	Skirting, rail, etc not exceeding 300mm girth	m	38	
<u>PAINTING, ETC ON EXISTING SURFACES</u>				
<u>ON FLOORS</u>				
<u>Prepare Concrete Surface By Means Of Mechanically Grinding To Expose Aggregates, Remove Dust And Apply One Coat Flowprime Primer And One Coat Flowfresh HF Self Levelling Polyurethane Screed All Applied In Strict Accordance With The Manufacturer's Instructions (Colour To Match Existing)</u>				
6	6mm Thick average to surface beds	m2	15	
Carried to Collection				
Bill No. 2 RENOVATIONS TO KITCHEN AND DINING COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

1	Ditto, in 100 x 100mm coved skirting to match existing	m	15	
2	Extra for saw cutting through epoxy screed size 10 x 30mm deep, insert backing cord into saw cut and seal cavity with approved sealant all in strict accordance with the manufacturers instructions	m	8	
<u>Sundries</u>				
3	Take up and remove from site existing 6mm thick epoxy screed and prepare surface to receive new screed (elsewhere measured)	m2	15	
4	Ditto, but existing 100 x 100mm epoxy skirting (ditto)	m	15	
5	Remove existing cement mix spilt on existing epoxy screed and make good	m2	1	
<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>GABION WALLS AND RETAINING STRUCTURES</u>				
6	500mm Thick retaining walls formed of 2mm galvanised wire baskets laced together, size 500 x 500mm x 1000mm long, filled with broken stone, stepped and bonded including placing on top of existing gabion	m3	3	
Carried to Collection				
Bill No. 2 RENOVATIONS TO KITCHEN AND DINING COMPLETION OF ZUURBERG PEACE MEMORIAL				

Bill No. 2			
RENOVATIONS TO KITCHEN AND DINING			
<u>COLLECTION</u>			
Total Brought Forward from Page No.	Page No		Amount
	20		
	21		
	22		
	23		
	24		
	25		
	26		
	27		
	28		
	29		
Carried to Summary			
Bill No. 2	R		
RENOVATIONS TO KITCHEN AND DINING			
COMPLETION OF ZUURBERG PEACE MEMORIAL			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>RENOVATIONS TO HALL</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc including washing down to a clean surface	m ²	354	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Sundries</u>			
2	Remove existing Jointex blocking piece between building and existing concrete paving and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant (Provisional)	m	94	
	<u>WATERPROOFING</u>			
	<u>JOINT SEALANTS</u>			
3	"Secomastic" or other approved mastic sealer in neatly pointing and sealing at junction of steel/timber/aluminium windows or door frames with brickwork	m	96	
	<u>ROOF COVERINGS, ETC</u>			
	Carried to Collection			
Bill No. 3 RENOVATIONS TO HALL COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

	<u>Sundries</u>			
1	Provide the budgetary allowance of R 2 000-00 (two thousand rand) for bird proofing to be adjusted as required		Item	2,000.00
<u>CARPENTRY AND JOINERY</u>				
<u>SKIRTINGS</u>				
<u>Wrot Meranti</u>				
2	22 x 100mm Skirting including 19mm quadrant bead	m	37	
3	Ditto, to treads and risers of stairs	m	2	
<u>DOORS</u>				
4	Service/repair where necessary existing timber single door size 0.81 x 2.03m including timber frame and lockset to ensure that it is in proper working order	No	1	
5	Ditto, but double door size 1.68 x 2.03m	No	2	
<u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u>				
<u>FLOOR COVERINGS</u>				
<u>Sundries</u>				
6	Strip and seal existing, part new vinyl tiles with an approved product all in strict accordance with the manufacturers instructions	m2	128	
<u>IRONMONGERY</u>				
7	Door stop as Dorma DDS-017-SS	No	5	
<u>METALWORK</u>				
Carried to Collection				
Bill No. 3 RENOVATIONS TO HALL COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

<u>EXISTING STEEL BOLTS TO COLUMNS</u>			
1	Re-tighten existing nut on top of existing 20mm diameter holding down bolt	No	72
2	Extra on last for trimming and cutting of excessive top of 20mm diameter holding down bolt	No	6
3	Ditto, including providing missing nut and washer	No	6
<u>BALUSTRADING</u>			
4	Provide the budgetary allowance of R 9 000-00 (nine thousand rand) for balustrading to be adjusted as required	Item	9,000.00
<u>STEEL WINDOWS</u>			
<u>Service/Repair Where Necessary Existing Steel Windows Including Ironmongery to Ensure That They Are In Proper Working Order Including Cleaning Down Surfaces, Removing Bird Droppings, Dirt, Etc</u>			
5	Window size 0.80 x 1.00m with two opening sections	No	3
<u>ALUMINIUM WINDOWS AND DOORS</u>			
<u>Service/Repair Where Necessary Existing Aluminium Windows And Doors Including Ironmongery to Ensure That They Are In Proper Working Order Including Cleaning Down Surfaces, Removing Bird Droppings, Dirt, Etc</u>			
6	Stack door in four panels size 3.10 x 2.50m	No	2
7	Ditto, in six panels size 4.50 x 2.50m	No	2
<u>PLASTERING</u>			
<u>SCREEDS</u>			
Carried to Collection			
Bill No. 3 RENOVATIONS TO HALL COMPLETION OF ZUURBERG PEACE MEMORIAL			
R			

<u>Cement Screeds On Concrete</u>			
1	30mm Thick on floors in patches (Provisional)	m2	15
<u>INTERNAL PLASTER</u>			
<u>Cement Plaster On:</u>			
2	Walls in patches (Provisional)	m2	5
<u>EXTERNAL PLASTER</u>			
<u>Cement Plaster On:</u>			
3	Walls in patches (Provisional)	m2	5
<u>Sundries</u>			
4	Break up and remove from site existing 30mm thick defective screed in patches and prepare to receive new screed (elsewhere measured) (Provisional)	m2	15
5	Break up and remove from site existing defective internal plaster to walls in patches and prepare to receive new plaster (elsewhere measured) (Provisional)	m2	5
6	Ditto, but external plaster (Provisional)	m2	5
7	Provide the budgetary allowance of R 6 000-00 (six thousand rand) for repairs to floor cracks to be adjusted as required	Item	6,000.00
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
<u>RAINWATER GOODS</u>			
Carried to Collection			
R			

Carried to Collection

Bill No. 3
RENOVATIONS TO HALL
COMPLETION OF ZUURBERG PEACE MEMORIAL

	<u>Sundries</u>			
1	Flush out internal of existing 5000 litre Jojo water tank of all dirt, mud, leaves, etc and re-secure in position with hoop iron straps fixed to tank and concrete tank base	No	4	
2	Jojo Tanks First Flush diverter set comprising T-junction, sealing valve and flow control valve with cap including fixing in position	No	4	
3	Jojo Rainhead leaf eater including fixing in position	No	4	
4	Clean down outer face of existing 150 x 125mm aluminium gutter	m	76	
5	Clean out internal of existing 150 x 125mm aluminium gutter of debris, mud, etc	m	76	
	<u>FIRE SERVICE</u>			
6	4.5 Kg DCP fire extinguisher fixed to wall with and including mounting bracket and 19 x 250 x 500mm painted meranti backing board with arris rounded edges	No	2	
	<u>GLAZING</u>			
	<u>GLAZING TO WOOD WITH BEADS</u>			
7	6.35mm Clear laminated safety glass pane size 800 x 1000mm including refixing existing timber glazing bead elsewhere removed around perimeter	No	1	
	<u>Sundries</u>			
8	Carefully take off existing timber glazing bead, set aside for later re-use (elsewhere measured) and remove from site broken glass pane size 800 x 1000mm	No	1	
	<u>PAINTING</u>			
	Carried to Collection			
Bill No. 3 RENOVATIONS TO HALL COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

<u>PAINTING, ETC TO NEW WORK</u>			
<u>ON PLASTER, ETC</u>			
<u>Prepare Surface And Apply One Coat Sabre Enviro</u>			
<u>Plaster Primer And Two Coats Sabre Poly Acrylic Paint</u>			
<u>On:</u>			
1 Internal plastered walls in patches (Provisional)	m2	5	
2 External plastered walls in patches (Provisional)	m2	5	
<u>ON WOOD</u>			
<u>Prepare Surface And Apply One Coat Sabre Wood</u>			
<u>Primer On:</u>			
3 Backs of skirtings not exceeding 300mm girth	m	37	
<u>Prepare Surface And Apply One Coat Sabre Wood</u>			
<u>Primer And Two Coats Sabre Satin non Drip Acrylic On:</u>			
4 Skirting, rail, etc not exceeding 300mm girth	m	37	
Carried to Collection			
Bill No. 3	R		
RENOVATIONS TO HALL			
COMPLETION OF ZUURBERG PEACE MEMORIAL			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>RENOVATIONS TO ABLUTIONS AND LAUNDRY</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc including washing down to a clean surface	m2	192	
	<u>EARTHWORKS</u>			
2	Digging up and removing from site all rubbish, debris, vegetable matter, shrubs, small trees, etc inside the service duct	m2	12	
3	Earth filling using imported G7 material in filling to service duct and compacted in layers not exceeding 150mm thick to 95% Mod AASHTO density	m3	8	
4	100mm Thick layer of 19mm stone laid inside the service duct	m2	12	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Sundries</u>			
5	Remove existing Jointex blocking piece between building and existing concrete paving and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant (Provisional)	m	103	
	Carried to Collection			
Bill No. 4	RENOVATIONS TO ABLUTIONS AND LAUNDRY			
	COMPLETION OF ZUURBERG PEACE MEMORIAL			
			R	

1	Clean out joints in existing precast concrete coping 300mm wide and regroot	m	7		
<u>MASONRY</u>					
<u>Sundries</u>					
2	Make good to holes in facebrick walls where plumbing pipes protrude through (Provisional)	No	30		
<u>WATERPROOFING</u>					
<u>JOINT SEALANTS</u>					
3	"Secomastic" or other approved mastic sealer in neatly pointing and sealing at junction of steel/timber/aluminium windows or door frames with brickwork	m	32		
4	Ditto, at junction of sanitary fitting and wall	m	27		
<u>ROOF COVERINGS, ETC</u>					
<u>Sundries</u>					
5	Provide the budgetary allowance of R 18 000-00 (eighteen thousand rand) for bird proofing to side cladding and gates to be adjusted as required	Item		18,000.00	
<u>CARPENTRY AND JOINERY</u>					
<u>DOORS</u>					
6	Service/repair where necessary existing timber single door size 1.15 x 2.03m including steel frame and lockset to ensure that it is in proper working order	No	3		
7	Ditto, but toilet door size 0.81 x 1.90m	No	16		
Carried to Collection					
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

<u>IRONMONGERY</u>			
1	Door stop as Dorma DDS-017-SS	No	3
2	19mm Chromium shower curtain rail 850mm long including end brackets fixed to wall	No	8
3	Ditto, 960mm long	No	10
4	Shower curtain as Dejay Standard drip dry or other approved size 1300 x 2000mm complete with hooks, etc	No	18
5	Paraplegic rail as Chairman Industries DL2	No	1
6	Ditto, as Chairman Industries SR2	No	1
7	Soap rack as Franke Dominus V107b fixed to wall (Provisional)	No	7
8	Provide the budgetary allowance of R 60 000-00 (sixty thousand rand) for toilet accessories supplied and fixed complete to be adjusted as required	Item	
9	150 x 150mm Sign as Dorma DSS-130M	No	2
10	150 x 150mm Sign as Dorma DSS-131F	No	2
11	150 x 150mm Sign as Dorma DSS-133P	No	1
<u>METALWORK</u>			
	Carried to Collection		
Bill No. 4	RENOVATIONS TO ABLUTIONS AND LAUNDRY		
	COMPLETION OF ZUURBERG PEACE MEMORIAL		
		R	

	<u>STEEL SLIDING GATES</u>			
1	Service/repair where necessary existing steel sliding gate size 1.25 x 2.10m to ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	2	
	<u>BENCHES</u>			
2	450 x 450 x 1500mm long bench as Supplywise Slimline with Silver powder coated steel frame, Castle Brown timber slats and adjustable feet including fixing in position	No	10	
	<u>PLASTERING</u>			
	<u>INTERNAL PLASTER</u>			
	<u>Cement Plaster On:</u>			
3	Walls in patches (Provisional)	m2	3	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement Plaster On:</u>			
4	Walls in patches (Provisional)	m2	20	
	<u>Sundries</u>			
5	Break up and remove from site existing defective internal plaster in patches to walls and prepare to receive new plaster (elsewhere measured) (Provisional)	m2	3	
6	Ditto, but external plaster (Provisional)	m2	20	
	<u>TILING</u>			
	<u>WALL TILING</u>			
	Carried to Collection			
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

<u>120 x 240mm White Glazed Porcelain Tiles To Match Existing (Allow The Prime Cost Sum Of R 250.00/M2 Nett For Supply To Be Adjusted As Required) Fixed With Adhesive To Plaster (Plaster elsewhere measured) And Flush Pointed With Tal Tinted Epoxy Grout</u>				
1	On walls in patches (Provisional)	m2	5	
	<u>Sundries</u>			
2	Clean down existing porcelain tiled walls of all bird droppings, dirt, etc including washing down to a clean surface	m2	405	
3	Break up and remove from site existing defective porcelain tiles to walls and prepare to receive new tiles (elsewhere measured) (Provisional)	m2	5	
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>RAINWATER GOODS</u>			
	<u>Sundries</u>			
4	5000 Litre Jojo water storage tank fixed in position on top of existing concrete roof slab including all necessary fixations	No	1	
5	10000 Litre Ditto	No	1	
6	Flush out internal of existing 5000 litre Jojo water tank of all dirt, mud, leaves, etc and re-secure in position with hoop iron straps fixed to tank and concrete tank base	No	2	
7	Jojo Tanks First Flush diverter set comprising T-junction, sealing valve and flow control valve with cap including fixing in position	No	1	
8	Jojo Rainhead leaf eater including fixing in position	No	1	
Carried to Collection				
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

1	Clean down outer face of existing 150 x 125mm aluminium gutter	m	14		
2	Clean out internal of existing 150 x 125mm aluminium gutter of debris, mud, etc	m	14		
<u>SOIL AND WASTE WATER DRAINAGE</u>					
3	Allow for rodding and cleaning out all existing sewer lines under and around the building up to the external main line/manhole	Item			
<u>SANITARY PLUMBING</u>					
4	Allow for rodding and cleaning out all existing waste water lines in walls, under floors, etc from the building to external drain point	Item			
<u>UPVC Pipes And Fittings</u>					
5	50mm Pipes	m	12		
<u>Extra For:</u>					
6	50mm Straight reducer	No	8		
7	50mm Bend	No	4		
8	50mm Inspection eye bend	No	4		
9	50mm Junction	No	2		
10	50mm Inspection eye junction	No	2		
Carried to Collection					
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL					

	<u>Sundries</u>			
1	40 x 40mm Chromium plated bottle trap as Cobra COB-365/40 including joint to pipe and outlet of fitting	No	8	
2	Chop out existing floor trap that is not level with the floor and refit flush with floor finish including making good to surrounding epoxy finish	No	1	
	<u>SANITARY FITTINGS</u>			
3	Service existing ceramic wash hand basin including basin mixer and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	17	
4	Service existing ceramic WC pan including Geberit flushing cistern and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	17	
5	Non-shrink grout packed into gap between underside of WC pan and floor	No	17	
6	Toilet seat and cover as Duravit 002019 complete with stainless steel hinges, etc and fixing to existing WC pan	No	17	
7	Service existing ceramic wall urinal and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	8	
8	Stainless steel single bowl wash trough as Franke ET101 complete with waste union, plug chain, concealed fixing brackets, etc and fixing to wall	No	8	
	<u>WATER SUPPLY</u>			
		Carried to Collection		
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL			R	

	<u>Class II Copper Pipes</u>			
1	15mm Pipes	m	15	
2	22mm pipes	m	15	
3	28mm Pipes	m	36	
	<u>Extra For Approved Capillary Fittings</u>			
4	15mm Fittings	No	10	
5	22mm Fittings	No	10	
6	28mm Fittings	No	20	
	<u>Extra For Approved Brass Compression Fittings</u>			
7	15mm Fittings	No	4	
8	22mm Fittings	No	4	
9	28mm Fittings	No	10	
	<u>Sundries</u>			
10	15mm Chromium plated angle regulating valve with 350mm flexi tube as Cobra 832-10 including joints to pipes	No	8	
11	15mm Brass wheel valve including joints to pipes	No	2	
12	22mm Ditto	No	2	
	Carried to Collection			
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

1	28mm Ditto	No	4		
2	Service existing chromium plated shower mixer and ensure that it is in proper working order including fitting chromium plated cap where shower hand set was to be attached and cleaning surfaces, removing bird droppings, dirt, etc	No	18		
3	15mm Chromium plated bib tap as Cobra Star 206 including joint to pipe	No	16		
4	15mm Chromium plated extension piece as Cobra P-059 including joint to pipe	No	16		
5	15mm Chromium plated medical pillar tap as Cobra 503-21 including joint to pipe	No	2		
<u>FIRE SERVICE</u>					
6	4,5 Kg DCP fire extinguisher fixed to wall with and including mounting bracket and 19 x 250 x 500mm painted meranti backing board with arris rounded edges	No	2		
<u>GLAZING</u>					
<u>MIRRORS</u>					
7	6mm Float glass silvered back mirror size 450 x 750mm with polished edged, four times holed for and screwed to plugs in wall with chromium plated dome headed screws and cork washers at back (Provisional)	No	8		
<u>PAINTING</u>					
<u>PAINTING, ETC TO NEW WORK</u>					
<u>ON PLASTER, ETC</u>					
Carried to Collection					
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL					

<u>Prepare Surface And Apply One Coat Sabre Enviro Plaster Primer And Two Coats Sabre Poly Acrylic Paint On:</u>				
1	Internal plastered walls in patches (Provisional)	m2	3	
2	External plastered walls in patches (Provisional)	m2	20	
<u>EXTERNAL WORKS (PROVISIONAL)</u>				
<u>GABION WALLS AND RETAINING STRUCTURES</u>				
3	500mm Thick retaining walls formed of 2mm galvanised wire baskets laced together, size 500 x 500mm x 1000mm long, filled with broken stone, stepped and bonded including placing on top of existing gabion	m3	6	
Carried to Collection				
Bill No. 4 RENOVATIONS TO ABLUTIONS AND LAUNDRY COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

Bill No. 4

RENOVATIONS TO ABLUTIONS AND LAUNDRY

COLLECTION

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Carried to Summary

Bill No. 4

RENOVATIONS TO ABLUTIONS AND LAUNDRY
COMPLETION OF ZUURBERG PEACE MEMORIAL

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>RENOVATIONS TO CLASSROOMS</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc including washing down to a clean surface	m ²	271	
2	Clean down existing timber walkway and steps of dirt, grime, etc	m ²	177	
	<u>WATERPROOFING</u>			
	<u>JOINT SEALANTS</u>			
3	"Secomastic" or other approved mastic sealer in neatly pointing and sealing at junction of steel/timber/aluminium windows or door frames with brickwork	m	147	
	<u>ROOF COVERINGS, ETC</u>			
	<u>Sundries</u>			
4	New 200mm girth prepainted flashing piece secured around existing aluminium window with fixing screws at 300mm centres	m	15	
	<u>CARPENTRY AND JOINERY</u>			
	Carried to Collection			
Bill No. 5	RENOVATIONS TO CLASSROOMS	R		
	COMPLETION OF ZUURBERG PEACE MEMORIAL			

	<u>DOORS</u>				
1	Service/repair where necessary existing timber single door size 0.81 x 2.03m including steel frame and lockset to ensure that it is in proper working order	No	5		
	<u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u>				
	<u>FLOOR COVERINGS</u>				
	<u>Sundries</u>				
2	Strip and seal existing, part new vinyl tiles with an approved product all in strict accordance with the manufacturers instructions	m2	271		
	<u>IRONMONGERY</u>				
3	Door stop as Dorma DDS-017-SS	No	5		
	<u>METALWORK</u>				
	<u>ALUMINIUM WINDOWS AND DOORS</u>				
	<u>Service/Repair Where Necessary Existing Aluminium Windows And Doors Including Ironmongery to Ensure That They Are In Proper Working Order Including Cleaning Down Surfaces, Removing Bird Droppings, Dirt, Etc</u>				
4	Window size 1.20 x 1.20m with two opening sections	No	5		
5	Ditto, size 1.80 x 0.60m	No	5		
	<u>BALUSTRADING</u>				
6	Provide the budgetary allowance of R 15 000-00 (fifteen thousand rand) for balustrading to be adjusted as required	Item		15,000.00	
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
		Carried to Collection			
	Bill No. 5 RENOVATIONS TO CLASSROOMS COMPLETION OF ZUURBERG PEACE MEMORIAL			R	

<u>RAINWATER GOODS</u>			
<u>PVC Gutters And Downpipes</u>			
1	110mm Diameter rainwater pipes fixed to walls including brackets	m	16
2	Extra for shoe/bend	No	8
<u>Watertite Or Other Approved Prepainted Aluminium Continuously Rolled Gutters, Downpipes And Accessories With Colour To Match Existing</u>			
3	Extra for stopped end to existing gutter	No	2
4	Ditto, outlet for 110mm diameter PVC rainwater pipe	No	4
<u>Sundries</u>			
5	Flush out internal of existing 5000 litre Jojo water tank of all dirt, mud, leaves, etc and re-secure in position with hoop iron straps fixed to tank and concrete tank base	No	4
6	Jojo Tanks First Flush diverter set comprising T-junction, sealing valve and flow control valve with cap including fixing in position	No	4
7	Jojo Rainhead leaf eater including fixing in position	No	4
8	Clean down outer face of existing 150 x 125mm aluminium gutter	m	39
9	Clean out internal of existing 150 x 125mm aluminium gutter of debris, mud, etc	m	39
Carried to Collection			
Bill No. 5 RENOVATIONS TO CLASSROOMS COMPLETION OF ZUURBERG PEACE MEMORIAL			

<u>FIRE SERVICE</u>			
1	4,5 Kg DCP fire extinguisher fixed to wall with and including mounting bracket and 19 x 250 x 500mm painted meranti backing board with arris rounded edges	No	5
Carried to Collection			R
Bill No. 5 RENOVATIONS TO CLASSROOMS COMPLETION OF ZUURBERG PEACE MEMORIAL			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>RENOVATIONS TO CLASSROOM ABLUTIONS</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc including washing down to a clean surface	m ²	51	
2	Clean existing loose pebbles to service duct of all grass, weeds, etc and re-level where required	m ²	5	
3	Ditto, to yard area	m ²	70	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Sundries</u>			
4	Remove existing Jointex blocking piece between building and existing concrete paving and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant (Provisional)	m	30	
	<u>JOINT SEALANTS</u>			
5	"Secomastic" or other approved mastic sealer in neatly pointing and sealing at junction of steel/timber/aluminium windows or door frames with brickwork	m	83	
6	Ditto, at junction of sanitary fitting and wall	m	12	
	Carried to Collection			
Bill No. 6	RENOVATIONS TO CLASSROOM ABLUTIONS	R		
	COMPLETION OF ZUURBERG PEACE MEMORIAL			

<u>ROOF COVERINGS, ETC</u>		
<u>Sundries</u>		
1	Provide the budgetary allowance of R 2 500-00 (two thousand five hundred rand) for bird proofing to grille block walls to be adjusted as required	Item 2,500.00
<u>CARPENTRY AND JOINERY</u>		
<u>DOORS</u>		
2	Service/repair where necessary existing timber single door size 1.15 x 2.03m including steel frame and lockset to ensure that it is in proper working order	No 3
3	Ditto, but toilet door size 0.81 x 1.90m	No 11
<u>IRONMONGERY</u>		
4	Door closer as Dorma TS83	No 1
5	Paraplegic rail as Chairman Industries DL2	No 1
6	Ditto, as Chairman Industries SR2	No 1
<u>METALWORK</u>		
<u>STEEL WINDOWS</u>		
<u>Service/Repair Where Necessary Existing Steel Windows Including Ironmongery to Ensure That They Are In Proper Working Order Including Cleaning Down Surfaces, Removing Bird Droppings, Dirt, Etc</u>		
7	Window size 0.50 x 0.65m with one opening section	No 11
<u>PLASTERING</u>		
<u>INTERNAL PLASTER</u>		
Carried to Collection		
Bill No. 6 RENOVATIONS TO CLASSROOM ABLUTIONS COMPLETION OF ZUURBERG PEACE MEMORIAL		
R		

	<u>Cement Plaster On:</u>			
1	Walls in patches (Provisional)	m2	2	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement Plaster On:</u>			
2	Walls in patches (Provisional)	m2	5	
	<u>Sundries</u>			
3	Break up and remove from site existing defective internal plaster to walls in patches and prepare to receive new plaster (elsewhere measured) (Provisional)	m2	2	
4	Ditto, but external plaster (Provisional)	m2	5	
	<u>WALL TILING</u>			
	<u>120 x 240mm White Glazed Porcelain Tiles To Match Existing (Allow The Prime Cost Sum Of R 250.00/M2 Nett For Supply To Be Adjusted As Required) Fixed With Adhesive To Plaster (Plaster elsewhere measured) And Flush Pointed With Tal Tinted Epoxy Grout</u>			
5	On walls in patches (Provisional)	m2	2	
	<u>Sundries</u>			
6	Clean down existing porcelain tiled walls of all bird droppings, dirt, etc including washing down to a clean surface	m2	188	
7	Break up and remove from site existing defective porcelain tiles to walls and prepare to receive new tiles (elsewhere measured) (Provisional)	m2	2	
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	Carried to Collection			
Bill No. 6	RENOVATIONS TO CLASSROOM ABLUTIONS			
	COMPLETION OF ZUURBERG PEACE MEMORIAL			
			R	

<u>RAINWATER GOODS</u>			
<u>Sundries</u>			
1	Flush out internal of existing 5000 litre Jojo water tank of all dirt, mud, leaves, etc and re-secure in position with hoop iron straps fixed to tank and concrete tank base	No	1
2	Jojo Tanks First Flush diverter set comprising T-junction, sealing valve and flow control valve with cap including fixing in position	No	1
3	Jojo Rainhead leaf eater including fixing in position	No	1
4	Clean down outer face of existing 150 x 125mm aluminium gutter	m	11
5	Clean out internal of existing 150 x 125mm aluminium gutter of debris, mud, etc	m	11
<u>SOIL AND WASTE WATER DRAINAGE</u>			
6	Allow for rodding and cleaning out all existing sewer lines under and around the building up to the external main line/manhole	Item	
<u>SANITARY PLUMBING</u>			
7	Allow for rodding and cleaning out all existing waste water lines in walls, under floors, etc from the building to external drain point	Item	
<u>SANITARY FITTINGS</u>			
8	Service existing ceramic wash hand basin including pillar tap and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	7
Carried to Collection			
Bill No. 6 RENOVATIONS TO CLASSROOM ABLUTIONS COMPLETION OF ZUURBERG PEACE MEMORIAL			

1	Service existing ceramic WC pan including Geberit flushing cistern and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	12		
2	Toilet seat and cover as Duravit 002019 complete with stainless steel hinges, etc and fixing to existing WC pan	No	12		
3	Service existing ceramic wall urinal and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	3		
<u>PAINTING</u>					
<u>PAINTING, ETC TO NEW WORK</u>					
<u>ON PLASTER, ETC</u>					
<u>Prepare Surface And Apply One Coat Sabre Enviro Plaster Primer And Two Coats Sabre Poly Acrylic Paint On:</u>					
4	Internal plastered walls in patches (Provisional)	m2	2		
5	External plastered walls in patches (Provisional)	m2	5		
Carried to Collection					
Bill No. 6 RENOVATIONS TO CLASSROOM ABLUTIONS COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

Bill No. 6	Page No	Amount
RENOVATIONS TO CLASSROOM ABLUTIONS		
<u>COLLECTION</u>		
Total Brought Forward from Page No.	54	
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Bill No. 6	R	
RENOVATIONS TO CLASSROOM ABLUTIONS		
COMPLETION OF ZUURBERG PEACE MEMORIAL		

Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>RENOVATIONS TO GUARD HOUSE</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc including washing down to a clean surface	m ²	48	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Sundries</u>			
2	Remove existing Jointex blocking piece between building and existing concrete paving and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant (Provisional)	m	37	
	<u>WATERPROOFING</u>			
	<u>JOINT SEALANTS</u>			
3	"Secomastic" or other approved mastic sealer in neatly pointing and sealing at junction of steel/timber/aluminium windows or door frames with brickwork	m	114	
4	Ditto, at junction of sanitary fitting and wall	m	6	
	<u>CARPENTRY AND JOINERY</u>			
	<u>SKIRTINGS</u>			
	Carried to Collection			
	Bill No. 7 RENOVATIONS TO GUARD HOUSE COMPLETION OF ZUURBERG PEACE MEMORIAL	R		

	<u>Wrot Meranti</u>			
1	22 x 100mm Skirting including 19mm quadrant bead	m	2	
2	Ditto, but circular on plan	m	6	
<u>DOORS</u>				
3	Service/repair where necessary existing timber single door size 1.15 x 2.03m including steel frame and lockset to ensure that it is in proper working order	No	3	
4	Ditto, but toilet door size 0.81 x 1.90m	No	5	
<u>IRONMONGERY</u>				
5	Door stop as Dorma DDS-017-SS	No	3	
6	Bathroom WC indicator as Dorma DWC-005-SS	No	1	
7	Paraplegic rail as Chairman Industries DL2	No	1	
8	Ditto, as Chairman Industries SR2	No	1	
9	Provide the budgetary allowance of R 16 000-00 (sixteen thousand rand) for toilet accessories supplied and fixed complete to be adjusted as required			Item
<u>METALWORK</u>				
<u>ALUMINIUM WINDOWS AND DOORS</u>				
Carried to Collection				
Bill No. 7 RENOVATIONS TO GUARD HOUSE COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

<u>Service/Repair Where Necessary Existing Aluminium Windows And Doors Including Ironmongery to Ensure That They Are In Proper Working Order Including Cleaning Down Surfaces, Removing Bird Droppings, Dirt, Etc</u>			
1	Window size 1.80 x 0.60m with two opening sections	No	3
2	Shop front size 3.75 x 2.60m with three opening sections	No	1
3	Sliding door size 2.20 x 2.60m	No	2
<u>PLASTERING</u>			
<u>SCREEDS</u>			
<u>Cement Screeds On Concrete</u>			
4	30mm Thick on floors in patches (Provisional)	m2	5
<u>EXTERNAL PLASTER</u>			
<u>Cement Plaster On:</u>			
5	Walls in patches (Provisional)	m2	5
<u>Sundries</u>			
6	Break up and remove from site existing 30mm thick defective screed in patches and prepare to receive new screed (elsewhere measured) (Provisional)	m2	5
7	Break up and remove from site existing defective external plaster to walls in patches and prepare to receive new plaster (elsewhere measured) (Provisional)	m2	5
<u>TILING</u>			
<u>WALL TILING</u>			
Carried to Collection			
Bill No. 7 RENOVATIONS TO GUARD HOUSE COMPLETION OF ZUURBERG PEACE MEMORIAL			
R			

<u>120 x 240mm White Glazed Porcelain Tiles To Match Existing (Allow The Prime Cost Sum Of R 250.00/M2 Nett For Supply To Be Adjusted As Required) Fixed With Adhesive To Plaster (Plaster elsewhere measured) And Flush Pointed With Tal Tinted Epoxy Grout</u>			
1	On walls in patches (Provisional)	m2	3
<u>Sundries</u>			
2	Clean down existing porcelain tiled walls of all bird droppings, dirt, etc including washing down to a clean surface	m2	105
3	Break up and remove from site existing defective porcelain tiles to walls and prepare to receive new tiles (elsewhere measured) (Provisional)	m2	3
4	Provide the budgetary allowance of R 3 500-00 (three thousand five hundred rand) for mosaic tiles to concrete basins to be adjusted as required	Item	
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
<u>RAINWATER GOODS</u>			
<u>Sundries</u>			
5	Flush out internal of existing 5000 litre Jojo water tank of all dirt, mud, leaves, etc and re-secure in position with hoop iron straps fixed to tank and concrete tank base	No	4
6	Jojo Tanks First Flush diverter set comprising T-junction, sealing valve and flow control valve with cap including fixing in position	No	4
7	Jojo Rainhead leaf eater including fixing in position	No	4
Carried to Collection			
Bill No. 7 RENOVATIONS TO GUARD HOUSE COMPLETION OF ZUURBERG PEACE MEMORIAL			

1	Clean down outer face of existing 150 x 125mm aluminium gutter	m	62		
2	Clean out internal of existing 150 x 125mm aluminium gutter of debris, mud, etc	m	62		
<u>SOIL AND WASTE WATER DRAINAGE</u>					
3	Allow for rodding and cleaning out all existing sewer lines under and around the building up to the external main line/manhole	Item			
<u>SANITARY PLUMBING</u>					
4	Allow for rodding and cleaning out all existing waste water lines in walls, under floors, etc from the building to external drain point	Item			
<u>SANITARY FITTINGS</u>					
5	Service existing ceramic wash hand basin including pillar tap and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	1		
6	Ditto, but existing concrete dished wash hand basin 2.50m long including three push button stopcocks	No	2		
7	Service existing ceramic WC pan including Geberit flushing cistern and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	6		
8	Toilet seat and cover as Duravit 002019 complete with stainless steel hinges, etc and fixing to existing WC pan	No	6		
9	Service existing ceramic wall urinal and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	2		
Carried to Collection					
Bill No. 7 RENOVATIONS TO GUARD HOUSE COMPLETION OF ZUURBERG PEACE MEMORIAL					

	<u>FIRE SERVICE</u>				
1	4,5 Kg DCP fire extinguisher fixed to wall with and including mounting bracket and 19 x 250 x 500mm painted meranti backing board with arris rounded edges	No	1		
	<u>PAINTING</u>				
	<u>PAINTING, ETC TO NEW WORK</u>				
	<u>ON PLASTER, ETC</u>				
	<u>Prepare Surface And Apply One Coat Sabre Enviro Plaster Primer And Two Coats Sabre Poly Acrylic Paint On:</u>				
2	External plastered walls in patches (Provisional)	m ²	5		
	<u>ON METAL</u>				
	<u>Prepare Surface And Apply One Coat Sabre Metal Primer And Two Coats Sabre Satin Non drip Acrylic Paint On:</u>				
3	Galvanised rail, etc not exceeding 300mm girth	m	70		
	<u>ON WOOD</u>				
	<u>Prepare Surface And Apply One Coat Sabre Wood Primer On:</u>				
4	Backs of skirtings not exceeding 300mm girth	m	8		
	<u>Prepare Surface And Apply One Coat Sabre Wood Primer And Two Coats Sabre Satin non Drip Acrylic On:</u>				
5	Skirting, rail, etc not exceeding 300mm girth	m	8		
	Carried to Collection			R	
Bill No. 7 RENOVATIONS TO GUARD HOUSE COMPLETION OF ZUURBERG PEACE MEMORIAL					

Bill No. 7

RENOVATIONS TO GUARD HOUSE

COLLECTION

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Bill No. 7
 RENOVATIONS TO GUARD HOUSE
 COMPLETION OF ZUURBERG PEACE MEMORIAL

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>RENOVATIONS TO INTERPRETIVE CENTRE</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc including washing down to a clean surface	m2	262	
2	Clean down existing corrugated iron side cladding of all bird droppings, dirt, etc including washing down to a clean surface	m2	49	
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>EARTHWORKS</u>			
3	Trim and restore to original level, scarify in-situ material to a depth of 150mm and compact to 90% Mod AASHTO density	m2	127	
4	50mm Layer of approved river sand supplied by the contractor under floors	m2	127	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>CONCRETE</u>			
	Carried to Collection			
Bill No. 8	RENOVATIONS TO INTERPRETIVE CENTRE	R		
	COMPLETION OF ZUURBERG PEACE MEMORIAL			

	<u>Testing</u>			
1	Allow for preparing and curing set of three concrete test cubes, each size 150 x 150 x 150mm and pay all cost of transport to an approved mechanical laboratory and all testing charges	No	2	
	<u>Reinforced Cement Concrete 25MPa/19mm Stone In:</u>			
2	Surface beds cast in panels including temporary formwork	m3	17	
	<u>Sundries</u>			
3	4 x 45mm Saw cut joint in top of concrete surface bed reamed to 10 x 30mm	m	44	
4	Sikaflex Pro-3WF sealant in filling to the above saw cut joint including backing cord and priming sides all in strict accordance with the Manufacturers instructions	m	44	
	<u>Contraction And Expansion Joints</u>			
5	10mm Closed cell polyethelene pre-formed joint filler not exceeding 300mm wide and circular on plan with 10 x 10mm hinged blocking piece between concrete, brick or steel surfaces	m	94	
6	Remove blocking piece and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant	m	94	
	<u>REINFORCEMENT (PROVISIONAL)</u>			
	<u>Fabric Reinforcement</u>			
7	Type 193 fabric reinforcement in concrete surface beds	m2	127	
8	Circular cutting and waste to last	m	89	
	Carried to Collection			R
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL				

<u>MASONRY</u>			
<u>STONE WALL LININGS</u>			
<u>Approved Locally Sourced Cladding Stone To Match Existing Comprising 10 Square Meters Of Non Repeat Cladding, Including All Necessary Corner Pieces, Dry Packed And Bedded To Rough Brickwork Surface Using Class 11 Mortar, All In Strict Accordance With The Architects Specifications And Approval</u>			
90-140mm Thick in rectangular stones not exceeding 0,50m ² on face in patches	m ²	20	
<u>Sundries</u>			
Take off existing stonework for an average height of 200mm and later reinstate once the roof waterproofing (elsewhere measured) has been inserted	m	27	
Take off existing stonework for an average height of 200mm and later reinstate once the roof flashing (elsewhere measured) has been inserted	m	8	
<u>WATERPROOFING</u>			
<u>DAMPROOFING OF FLOORS AND WALLS</u>			
<u>One Layer Of 250 Micron USB Green Waterproof Sheeting Sealed At Laps With Pressure Sensitive Tape</u>			
Under surface beds	m ²	127	
Circular cutting and waste to last	m	89	
<u>WATERPROOFING</u>			
<u>WATERPROOFING TO ROOFS, ETC (PROVISIONAL)</u>			
Carried to Collection			R
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL			

Carried to Collection

Bill No. 8
RENOVATIONS TO INTERPRETIVE CENTRE
COMPLETION OF ZUURBERG PEACE MEMORIAL

<u>Prime Surfaces And Apply One Layer Derbigum SP4 Torch-On Waterproofing Membrane With 75mm Side Laps And 100mm End Laps Applied All In Strict Accordance With The Manufacturers Instructions And Installed By An Approved Derbigum Contractor Under A Ten Year Guarantee</u>			
1	On flat roofs including tops and sides of parapet walls	m2	255
2	Circular cutting and waste to last	m	116
3	Sealing edges to brickwork or concrete	m	11
4	Ditto, circular on plan	m	116
5	Dress waterproofing into Fulbore outlets and seal	No	13
<u>Sundries</u>			
6	Prepare surface and apply two coats ABE Silvakote to waterproofing	m2	255
7	Take up and remove from site existing torch-on waterproofing to flat roofs and prepare screed below to receive new waterproofing (elsewhere measured)	m2	255
<u>ROOF COVERINGS, ETC</u>			
<u>1.2mm Thick Modek Or Other Approved Polycarbonate sheeting (Colour Opal 50) to IBR Profile , Fixed To Purlins In Single Lengths All In Strict Accordance With The Manufacturer's Instructions</u>			
8	Roof covering with pitch not exceeding 50 degrees	m2	22
9	Circular cutting and waste to last	m	19
<u>Sundries</u>			
Carried to Collection			
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL			

	<u>0.55mm AZ200 ColorPlus C1S Flashings, Etc</u>			
1	Broad flute serrated closer circular on plan including polybutton	m	8	
2	Cover flashing 231mm girth circular on plan including raking out grooves in brickwork and wedging, pointing and sealing in epoxy mortar	m	8	
3	Headwall flashing 462mm girth circular on plan	m	8	
<u>CARPENTRY AND JOINERY</u>				
	<u>CUPOLA</u>			
	<u>Creosote And CCA Treated Gumpoles</u>			
4	100mm Diameter posts of various lengths fixed with brackets, etc (elsewhere measured)	m	58	
5	Fix bottom end of post to concrete beam with and including galvanised mild steel brackets consisting of two 100 x 65 x 8mm angle irons 300mm long three times bolted to post and three times rawl bolted to concrete beam with M12 bolts	No	16	
<u>DOORS</u>				
6	Service/repair where necessary existing timber single door size 0.81 x 2.03m including steel frame and lockset to ensure that it is in proper working order	No	1	
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
	<u>Wrot Saligna</u>			
7	20 x 20mm Moulded cornice plugged to wall	m	5	
8	Ditto, circular on plan	m	4	
Carried to Collection				
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL				

<u>IRONMONGERY</u>			
1	Lever handle on rose with cylinder escutcheon as Dorma TH125-Cyl-SS	Sets	1
2	Take off and remove from site existing defective handle set	Sets	1
<u>STRUCTURAL STEELWORK (PROVISIONAL)</u>			
<u>NOTE</u>			
All structural steelwork to be fabricated and erected in accordance with SANS 10162, SANS 10167, SANS 10044, SANS 2001-CS1 and SANS 1921-3.			
Dimensions and levels to be verified on site prior to manufacture.			
Any discrepancies found during site measure to be reported to and resolved by the Engineer prior to manufacture.			
All structural steel elements must be inspected by the Engineer prior to transporting to site.			
All bolts must be grade 5.8 unless otherwise specified by the Engineer.			
All welds to be with E700XX electrodes, according to AWS or similar approved by the Engineer.			
All welds must be 6mm fillet welds unless otherwise indicated.			
All steelwork to be abrasive blasted to neat whitecolour to obtain a surface profile of 40-50 microns.			
All connections are considered bolted connections unless otherwise shown.			
All hot rolled structural steel members to be grade S355JR and plates to be grade 300WA.			
Purlins and girts to be pre-galvanised.			
Carried to Collection			
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL			

	Prices to include for preparation of shop drawings for approval of the Engineer prior to manufacture. A minimum of 7 days must be allowed for checking of shop drawings.			
	Prices to include for fabrication, cutting, drilling, bending, welding, etc., delivery to site, and hoisting up and erecting into position.			
<u>Pre-Galvanised Members</u>				
1	100 x 50 x 20 x 3mm Cold formed lipped channel purlins (pre-punched)	t	0.20	
<u>Hot Dipped Galvanised Members</u>				
2	200x 100 x 22.4kg/m IPE beam	t	0.35	
3	Plates, angles, cleats, brackets, connections, bolts (grade 8.8), washers, etc.	t	0.15	
<u>METALWORK</u>				
<u>CUPOLA BRACING</u>				
4	75 x 3mm Diameter galvanised mild steel tubular section circular brace 3.20m diameter	No	1	
5	Ditto, to 4.00m diameter	No	1	
6	Extra for fixing to 100mm diameter gumpole post (elsewhere measured) with and including M10 bolt, nut and washer	No	48	
<u>EXISTING BALUSTRADING</u>				
7	Grout into existing recess steel post of existing balustrading with non-shrink grout and make good	No	70	
Carried to Collection				
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL				

	<u>SHELVING, ETC EQUIPMENT</u>				
1	Franke SKU 2620125 wall band 1000mm long including fixing in position	No	6		
2	Franke Z-Series perforated shelving size 1200 x 300mm including fixing in position	No	4		
3	Franke SKU 2620114 wall bench 1500mm long including fixing in position	No	2		
	<u>PLASTERING</u>				
	<u>SCREEDS</u>				
	<u>Cement Screeds On Concrete</u>				
4	30mm Thick on floors	m2	127		
	<u>INTERNAL PLASTER</u>				
	<u>Cement Plaster On:</u>				
5	Concrete ceilings in patches (Provisional)	m2	15		
	<u>EXTERNAL PLASTER</u>				
	<u>Cement Plaster On:</u>				
6	Concrete ceilings in patches (Provisional)	m2	5		
	<u>Sundries</u>				
7	Break up and remove from site existing defective internal plaster to ceilings in patches and prepare to receive new plaster (elsewhere measured) (Provisional)	m2	15		
8	Ditto, but external plaster (Provisional)	m2	5		
	Carried to Collection				
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL				R	

<u>TILING</u>			
<u>FLOOR TILING</u>			
<u>300 x 300 x 20mm Autumn Slate Floor Tiles As Supplied By House Of Tiles, Port Elizabeth Laid On Top Of Torch-On Waterproofing (Elsewhere Measured) Including Adhesive, Jointing And Pointing 10mm Wide Joints With Tal Tinted Epoxy Grout, Etc</u>			
On floors	m2	230	
Circular cutting and waste to last	m	116	
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
<u>RAINWATER GOODS</u>			
Clean out and repaint existing 75mm horizontal rainwater outlet	No	13	
<u>FIRE SERVICE</u>			
4,5 Kg DCP fire extinguisher fixed to wall with and including mounting bracket and 19 x 250 x 500mm painted meranti backing board with arris rounded edges	No	2	
<u>PAINTING</u>			
<u>PAINTING, ETC TO NEW WORK</u>			
<u>ON PLASTER, ETC</u>			
<u>Prepare Surface And Apply One Coat Sabre Enviro Plaster Primer And Two Coats Sabre Super Cover Paint On:</u>			
Internal plastered ceilings and beams (Provisional)	m2	15	
External plastered ceilings and beams	m2	38	
Carried to Collection			R
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL			

1	Allow for profit	Item		
2	Allow for attendance	Item		
<u>New Balustradings</u>				
3	Provide the sum of R 60 000-00 (sixty thousand rand) for new balustradings supplied and fixed complete	Item		60,000.00
4	Allow for profit	Item		
5	Allow for attendance	Item		
<u>New Spiral Staircase</u>				
6	Provide the sum of R 80 000-00 (eighty thousand rand) for new spiral staircase supplied and fixed complete	Item		80,000.00
7	Allow for profit	Item		
8	Allow for attendance	Item		
<u>Budgetary Allowances</u>				
9	Provide the budgetary allowance of R 7 000-00 (seven thousand rand) for completion of fire place to be adjusted as required	Item		7,000.00
10	Provide the budgetary allowance of R 5 000-00 (five thousand rand) for renovations to internal of storeroom to be adjusted as required	Item		5,000.00
Carried to Collection				
R				
Bill No. 8 RENOVATIONS TO INTERPRETIVE CENTRE COMPLETION OF ZUURBERG PEACE MEMORIAL				

Bill No. 8	Page No	Amount
RENOVATIONS TO INTERPRETIVE CENTRE		
<u>COLLECTION</u>		
Total Brought Forward from Page No.	67	
	68	
	69	
	70	
	71	
	72	
	73	
	74	
	75	
	76	
	77	
Carried to Summary		
Bill No. 8	R	
RENOVATIONS TO INTERPRETIVE CENTRE		
COMPLETION OF ZUURBERG PEACE MEMORIAL		

Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>RENOVATIONS TO MEMORIAL SITE</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING</u>			
1	Clean out existing internal floors of all bird droppings, dead birds, rubbish, dirt, etc., including washing down to a clean surface (area under slab at Reception Building)	m2	153	
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>Reinforced Cement Concrete 30MPa (12mm stone) In:</u>			
2	Vanity slabs	m3	1	
3	Extra on last for forming shaped sinking in top surface 350mm wide to profile shown on Architects drawing no 3242-MSB01-022, including dressing into basin outlets (slab to receive screed and mosaic finish elsewhere measured)	m2	4	
4	Extra on last for stopped end	No	4	
5	Labour and material in forming coved floor channel in existing recess in surface bed, 265mm wide x 150mm thick overall with 165mm wide x 50mm deep coved channel formed in top to falls (channel to receive epoxy screeding elsewhere measured)	m	27	
6	Extra on last for stopped end	No	5	
	Carried to Collection			
	Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL	R		

1	Ditto, corner	No	3		
2	Ditto, T-junction	No	3		
<u>Sundries</u>					
3	Remove existing Jointex blocking piece between building and existing concrete paving and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant (Provisional)	m	10		
<u>FORMWORK</u>					
<u>Close Rough Formwork (Use And Waste) To Concrete</u>					
<u>To:</u>					
4	Soffit of concrete vanity slabs	m ²	2		
5	Edge of concrete vanity slabs not exceeding 300mm high	m	4		
<u>REINFORCEMENT (PROVISIONAL)</u>					
<u>Mild Steel Rod Reinforcement To Concrete Vanity Slabs</u>					
6	Bars of various diameters (note: measured in kg's)	kg	30		
<u>High Tensile Rod Reinforcement To Concrete Vanity Slabs</u>					
7	Bars of various diameters (note: measured in kg's)	kg	100		
<u>Fabric Reinforcement</u>					
8	Type 245 fabric reinforcement in concrete surface beds	m ²	77		
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					

<u>Sundries</u>				
1	Take out existing poorly installed shuttering set to soffit and edges of vanity slab size 1,90 x 0,50m (yet to be cast) and leave alcove ready to receive new formwork (elsewhere measured)	No	2	
2	Restore clean off-shutter finish to side of existing concrete slab or beam by jet cleaning to remove mud and grime build up and staining, rub down with carborundum stone as necessary, and leave in clean condition	m2	14	
3	Ditto, sides of existing columns	m2	8	
4	Ditto, circular sides of existing columns	m2	38	
5	Ditto, concrete soffits	m2	68	
<u>MASONRY</u>				
<u>BRICKWORK</u>				
<u>Brickwork In (4-1) Cement Mortar In:</u>				
6	Half brick wall to support vanity slab	m2	1	
7	Half brick wall (Provisional)	m2	5	
8	One brick wall (Provisional)	m2	5	
<u>Sundries</u>				
9	Carefully break out existing single steel door frame with door from brickwork size 900 x 2100mm overall and leave opening to ready to receive new steel door lining (elsewhere measured) (making good elsewhere measured)	No	7	
Carried to Collection				
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL				

1	Alter existing single door opening in one brick wall, plastered one side and stone clad other side, to increase to double door opening size 1660 x 2100mm overall (making good elsewhere measured)	No	1		
<u>STONE WALL LININGS</u>					
<u>Approved Locally Sourced Cladding Stone To Match Existing Comprising 10 Square Meters Of Non Repeat Cladding, Including All Necessary Corner Pieces, Dry Packed And Bedded To Rough Brickwork Surface Using Class 11 Mortar, All In Strict Accordance With The Architects Specifications And Approval</u>					
2	90-140mm Thick in rectangular stones not exceeding 0,50m ² on face	m ²	2		
3	90-140mm Thick in rectangular stones exceeding 1,50m ² and not exceeding 2,00m ² on face	m ²	2		
4	Fair edge to 90mm linings	m	12		
<u>WATERPROOFING</u>					
<u>WATERPROOFING TO FLOOR CHANNELS</u>					
<u>Sika Sikatop Seal-107 Two Part Polymer System Applied By Trowel In Strict Accordance With The Manufacturers Instructions</u>					
5	On in situ concrete coved floor channel	m ²	11		
<u>ROOF COVERINGS, ETC</u>					
<u>TRANSLUSCENT SHEETING</u>					
<u>ROOF COVERINGS, ETC</u>					
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

	<u>1.2mm Thick Modek Or Other Approved Polycarbonate sheeting (Colour Opal 50) to IBR Profile , Fixed To Purlins In Single Lengths All In Strict Accordance With The Manufacturer's Instructions</u>			
1	Roof covering with pitch not exceeding 50 degrees	m2	112	
<u>SHEET METAL FLASHINGS</u>				
	<u>2mm "Saftal" Aluminium Sheet</u>			
2	Flashing 150mm girth bent and fixed to concrete beams	m	51	
3	Ditto, 900mm girth	m	6	
<u>Sundries</u>				
4	Take down and remove existing IBR profile polycarbonate roof sheeting	m2	112	
<u>CARPENTRY AND JOINERY</u>				
<u>EAVES, VERGES, ETC</u>				
<u>Fibre Cement</u>				
5	15 x 225mm Fascia board fitted to ends of existing steel purlins	m	11	
<u>DOORS</u>				
<u>Solid Flush Doors Faced Both Sides With Commercial Veneer With Two Hardwood Edges Hung To Timber Or Steel Frames</u>				
6	Door size 717 x 2032mm	No	4	
7	Door size 813 x 2032mm	No	1	
Carried to Collection				
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

1	Door size 912 x 2032mm	No	1		
<u>Sundries</u>					
2	Provide the budgetary allowance of R 10 000-00 (ten thousand rand) for trimming ends of timber members and other remedial works to Wood Stack Cave	Item		10,000.00	
<u>JOINERY FITTINGS, ETC</u>					
3	Provide the Provisional Sum amount of R 15 000.00 (fifteen thousand rand) for cupboards to kiosk, pinning boards and key cabinet	Item		15,000.00	
4	Allow for profit and attendance	Item			
<u>IRONMONGERY</u>					
5	Lever handle as Dorma CR001-Cyl-SS	Sets	1		
6	Pull handle as Dorma DPH210-BT-SS	No	5		
7	Bathroom WC indicator as Dorma DWC-005-SS	No	4		
8	Disabled WC indicator and turnknob as Dorma DWC-006-SS	Sets	1		
9	Bathroom deadlock as Dorma DMWC-008-SS	No	5		
10	Cylinder sash lock as Dorma D036S-SS	No	1		
11	65mm Europrofile five pin knob cylinder as Dorma DKC206301MK grand master keyed	No	6		
12	Master key	No	1		
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

1	Escutcheon as Dorma DCE-002-SS	Pairs	12	
2	Door closer as Dorma TS73V PA DC-PAB- SL	No	1	
3	Door stop as Dorma DDS-017-SS	No	6	
4	Hat and coat hook as Dorma DHC-S031B-SS	No	4	
5	Dominus S/S kitchen robe hook (code - v108c)	No	6	
6	Paraplegic flush valve back rail as Dorma DGR-151-SS	No	1	
7	Paraplegic side grab rail as Dorma DGR-152-SS	No	1	
8	Toilet roll dispenser as Kimberly Clark MR2 code 426130 fixed to wall	No	5	
9	150 x 150mm Sign as Dorma DSS-130M	No	2	
10	150 x 150mm Sign as Dorma DSS-131F	No	2	
11	150 x 150mm Sign as Dorma DSS-133P	No	1	
12	75 x 170mm Push plate as Dorma DPP-430-BL-SF	No	4	
13	150 x 300mm Push plate as Dorma DPP-430-BL-SF	No	1	
14	950 x 200mm Kick plate counter screwed around perimeter as Dorma DKP-430-SF-200	No	2	
<u>METALWORK</u>				
Carried to Collection				
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL				

<u>GALVANISED PRESSSED STEEL DOOR FRAMES</u> <u>INCLUDING BUILDING INTO POSITION</u>			
<u>1.6mm Double Rebated Frame For Half Brick Wall With</u> <u>Three Butts Per Door Leaf</u>			
1	Frame for door size 717 x 2032mm	No	4
2	Frame for door size 912 x 2032mm	No	1
<u>1.6mm Double Rebated Frame For One Brick Wall With</u> <u>Three Butts Per Door Leaf</u>			
3	Frame for door size 813 x 2032mm	No	1
<u>ALUMINIUM WINDOWS AND DOORS</u>			
<u>NOTE</u>			
<ol style="list-style-type: none"> 1. See attached drawings and door schedules for general aluminium window and door specifications including glass and glazing. 2. All items must come with protective tape and plastic to be removed only once surrounding trades are complete. 3. All windows and doors to be sealed all round with silicone sealant. 4. Window or door reference number is indicated in brackets at the end of each relevant description. 5. See also attached ironmongery schedules for the relevant doors. 			
<u>Charcoal Powder Coated Aluminium Windows And</u> <u>Doors Complete With Ironmongery, Glass, Etc And</u> <u>Fixing In Position</u>			
4	Window size 1370 x 475mm (W1)	No	1
5	Window size 1730 x 475mm (W3)	No	1
6	Window size 3090 x 475mm (W2)	No	1
Carried to Collection			
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL			

1	Double door size 1660 x 2169mm (D4)	No	1		
<u>BURGLAR BARS</u>					
<u>6 x 30mm Clear Invis Bar Polycarbonate Bars Fitted To Aluminium Window With Stainless Steel Pop Rivets Covered With Polyethelene Caps</u>					
2	Bar to suit 740mm wide window	No	3		
3	Bar to suit 770mm wide window	No	6		
<u>ROLLER SHUTTER DOORS</u>					
4	Xpanda Roladoor galvanised pre-coated steel chain operated slatted roller shutter door with lock on inside size 1174 x 1190mm complete including building into position	No	1		
<u>ROOF LIGHTS</u>					
5	Provide the Provisional Sum amount of R 20 000.00 (twenty thousand rand) for purpose made roof lights including installation to existing concrete roof upstands	Item		20,000.00	
6	Allow for profit and attendance	Item			
<u>PLASTERING</u>					
<u>INTERNAL PLASTER</u>					
<u>Cement Plaster On:</u>					
7	Walls	m2	2		
8	Walls in patches (Provisional)	m2	17		
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					

1	Edges and profiled top of concrete vanity slabs to receive mosaics (elsewhere measured)	m2	3		
<u>EXTERNAL PLASTER</u>					
<u>Cement Plaster On:</u>					
2	Walls	m2	5		
3	Walls in patches (Provisional)	m2	10		
4	Narrow widths	m2	2		
<u>Sundries</u>					
5	Break up and remove from site existing defective internal plaster to walls in patches and prepare to receive new plaster (elsewhere measured) (Provisional)	m2	10		
6	Ditto, but external plaster (Provisional)	m2	10		
<u>TILING</u>					
<u>WALL TILING</u>					
<u>120 x 240mm White Glazed Porcelain Tiles To Match Existing (Allow The Prime Cost Sum Of R 250.00/M2 Nett For Supply To Be Adjusted As Required) Fixed With Adhesive To Plaster (Plaster elsewhere measured) And Flush Pointed With Tal Tinted Epoxy Grout</u>					
7	On walls in patches (Provisional)	m2	27		
8	On walls in narrow widths not exceeding 300mm wide	m2	8		
<u>FLOOR TILING</u>					
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

<u>Slate Floor Tiles Selected By Architect (Allow The Prime Cost Sum Of R 450.00/M2 Nett For Supply To Be Adjusted As Required) Fixed With Recommended Adhesive To Existing Screeds And Flush Pointed With Tal Tinted Grout</u>						
1	On floors including preparing existing screed		m2	49		
2	150mm High cut tile skirting		m	39		
<u>VANITY SLAB TILING</u>						
<u>Mosaic Tiles Selected By Architect(Allow The Prime Cost Sum Of R 650.00/M2 Nett For Supply To Be Adjusted As Required) Fixed With Adhesive To Plaster (Plaster elsewhere measured) And Flush Pointed With Tal Tinted Epoxy Grout</u>						
3	Edges and profiled top of vanity slabs		m2	3		
<u>Sundries</u>						
4	Clean down existing porcelain tiled walls of all bird droppings, dirt, etc including washing down to a clean surface		m2	78		
5	Apply tinted grout to porcelain tiles where grout is missing (Provisional)		m2	10		
<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>						
<u>RAINWATER GOODS</u>						
<u>PVC Gutters And Downpipes</u>						
6	110mm Diameter rainwater pipes fixed to walls including brackets		m	10		
7	Extra for shoe/bend		No	6		
Carried to Collection						
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL						

<u>Watertite Or Other Approved Prepainted Aluminium Continuously Rolled Gutters, Downpipes And Accessories With Colour To Match Existing</u>			
1	150 x 125mm Ogee profile gutter including brackets	m	11
2	Extra for stopped end	No	2
3	Ditto, outlet for 110mm diameter PVC rainwater pipe	No	1
<u>Sundries</u>			
4	Jojo Tanks First Flush diverter set comprising T-junction, sealing valve and flow control valve with cap including fixing in position	No	1
5	Jojo Rainhead leaf eater including fixing in position	No	1
<u>SOIL AND WASTE WATER DRAINAGE</u>			
6	Allow for rodding and cleaning out all existing sewer lines under and around the building up to the external main line/manhole	Item	
<u>UPVC Pipes Class 34 Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>			
7	110mm Pipe laid in and including trenches not exceeding 1,00m deep	m	5
<u>Extra For:</u>			
8	110mm Bend	No	2
9	110mm Inspection eye bend	No	1
Carried to Collection			
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL			

1	110mm Junction	No	1		
2	110mm Inspection eye junction	No	2		
3	110mm Inspection eye reducing junction	No	1		
<u>Sundries</u>					
4	UPVC gulley trap complete with UPVC removable grating including encasing all round with cement concrete 15MPa and with standard precast concrete surround fitted on top including excavation, risk of collapse, fill in and ram, formwork, etc	No	2		
5	110mm Diameter UPVC ABC rodding eye cover and frame including joint to UPVC pipe and encasing in 500 x 500 x 250mm thick concrete	No	1		
6	Inspection chamber size 450 x 600 x not exceeding 1000 mm deep internally complete including excavations, 100mm concrete bottom, half brick wall, plaster to internal face, concrete surround, concrete benching, channel pipe, 450 x 600mm medium duty cast iron manhole cover and frame, etc	No	1		
7	Extra over excavations for drain trenches, etc in earth for excavation in soft rock	m3	1		
8	Ditto, in hard rock	m3	1		
<u>Note:</u>					
In remeasuring the cubic quantity of extra for excavations in soft, hard rock, etc for drain trenches, etc the following basis shall apply:					
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					

Drain Trenches, Water Supply, Etc - Trenches not exceeding 1,00m deep shall be taken 0,60m wider than the internal diameter of the pipe. This width shall be increased by 100mm for each successive depth of 1,00m to a maximum of 1,00m wider than the internal diameter of the pipe.

Inspection Chambers, Etc - Inspection chambers, etc shall be taken to the full extent in width and depth and no more.

SANITARY PLUMBING

1 Allow for rodding and cleaning out all existing waste water lines in walls, under floors, etc from the building to external drain point

Item

UPVC Pipes And Fittings

2 40mm pipes

3 50mm Pipes

4 110mm Pipes

5 40mm Pipes chased into walls including making good to plaster

6 50mm Ditto

7 40mm Pipes in fill under floors including any excavations, etc

8 50mm Ditto

m 8
m 8
m 4
m 1
m 1
m 1
m 1
m 4

9 50mm Straight reducer

No 2

Extra For:

Carried to Collection

Bill No. 9
RENOVATIONS TO MEMORIAL SITE
COMPLETION OF ZUURBERG PEACE MEMORIAL

R

1	110mm Ditto	No	2	
2	40mm Bend	No	2	
3	50mm Bend	No	3	
4	110mm Bend	No	2	
5	40mm Inspection eye bend	No	2	
6	50mm Ditto	No	3	
7	110mm Ditto	No	4	
8	40mm Junction	No	1	
9	50mm Ditto	No	1	
10	110mm Ditto	No	1	
11	40mm Inspection eye junction	No	1	
12	50mm Ditto	No	1	
13	110mm Ditto	No	1	
14	50mm Inspection eye reducing junction	No	1	
15	110mm Ditto	No	1	
Carried to Collection				
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL				

<u>Sundries</u>				
1	50mm UPVC vent valve	No	1	
2	110mm Ditto	No	1	
3	32 x 40mm Chromium plated bottle trap as Cobra 340/N including joint to pipe and outlet of fitting	No	2	
4	50mm Basin waste cast into vanity slab	No	5	
<u>SANITARY FITTINGS</u>				
5	Service existing Geberit flushing cistern and ensure that it is in proper working order including cleaning surfaces, removing bird droppings, dirt, etc	No	5	
6	WC suite comprising wall hung pan as Duravit-D-Neo, double flap seat as Duravit Neo, connected to existing concealed eberit Kombiflex cistern, with actuator as Geberit Sigma 30, flush pipe, etc complete all in strict accordance with the manufacturers instructions	No	5	
7	Wash hand basin as Duravit No 1 code 074345, waste as Cobra 303-32, plug and chain, etc complete with brackets, etc and fixing to wall	No	1	
8	Single bowl sink unit as Frankie Drop On complete with waste union, plug, chain, etc and fixing on top of timber fitting (elsewhere measured)	No	1	
<u>WATER SUPPLY</u>				
<u>Class II Copper Pipes</u>				
9	15mm Pipes	m	6	
Carried to Collection				
R				

1	22mm pipes	m	6		
2	15mm Pipes chased into walls including wrapping in builders paper and making good to plaster	m	8		
3	22mm Ditto	m	8		
4	15mm Pipes laid in and including trenches	m	2		
5	22mm Ditto	m	2		
<u>Extra For Approved Capillary Fittings</u>					
6	15mm Fittings	No	30		
7	22mm Fittings	No	14		
<u>Sundries</u>					
8	Cement concrete (15MPa) in thrust blocks at bends, tees, etc including necessary excavation, formwork, etc	m3	1		
9	15mm Chromium plated angle regulating valve with 350mm flexi tube as Cobra 832-10 including joints to pipes	No	7		
10	15mm Brass wheel valve including joints to pipes	No	2		
11	22mm Ditto	No	2		
12	15mm Chromium plated single lever basin mixer as Hansgrohe Logis 100 including joints to pipes	No	1		
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					

1	15mm Chromium plated sink mixer as Hansgrohe Logis M31 including joints to pipes	No	1		
2	15mm Chromium plated metering stop tap as Cobra KM2.301 including joint to pipe	No	6		
3	Cobra 066 bath spout including joint to pipe	No	6		
<u>FIRE SERVICE</u>					
4	4,5 Kg DCP fire extinguisher fixed to wall with and including mounting bracket and 19 x 250 x 500mm painted meranti backing board with arris rounded edges	No	3		
<u>TESTING</u>					
5	Allow for testing all stormwater drainage, soil and waste water drainage, sanitary plumbing, sanitary fittings, water supply and fire service to the satisfaction of the architect and the Municipal Authorities, replace any defective work free of charge and leave perfect	Item			
<u>BUILDERS WORK IN CONNECTION WITH PLUMBING INSTALLATION</u>					
6	Cut hole through facebrick wall for pipe not exceeding 100mm diameter and make good	No	4		
7	Prepare surface and apply one undercoat and two coats gloss enamel paint to copper pipes not exceeding 300mm girth	m	10		
<u>GLAZING</u>					
<u>MIRRORS</u>					
8	6mm Float glass silvered back mirror size 450 x 750mm with polished edged, four times holed for and screwed to plugs in wall with chromium plated dome headed screws and cork washers at back (Provisional)	No	5		
Carried to Collection					
Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL					

Carried to Collection

Bill No. 9
RENOVATIONS TO MEMORIAL SITE
COMPLETION OF ZUURBERG PEACE MEMORIAL

	<u>Remedial Work To Cor-Ten Folly Structure</u>		
1	Provide the sum of R190 000.00 (one hundred and ninety thousand rand) for remedial work to Cor-Ten folly structure	Item	190,000.00
2	Allow for profit	Item	
3	Allow for attendance	Item	
	<u>Cor-Ten Gates</u>		
4	Provide the sum of R100 000.00 (one hundred thousand rand) for laser cut Cor-Ten sliding gates	Item	100,000.00
5	Allow for profit	Item	
6	Allow for attendance	Item	
	<u>Security Screens</u>		
7	Provide the sum of R45 000.00 (forty five thousand rand) for balau timber frames with stainless steel wire infill security screens	Item	45,000.00
8	Allow for profit	Item	
9	Allow for attendance	Item	
	<u>Artwork</u>		
10	Provide the sum of R15 000.00 (fifteen thousand rand) for artwork to plaster face below built in seating in cave structure	Item	15,000.00
11	Allow for profit	Item	
	Carried to Collection		
	Bill No. 9 RENOVATIONS TO MEMORIAL SITE COMPLETION OF ZUURBERG PEACE MEMORIAL	R	

1	Allow for attendance	Item		
		Carried to Collection	R	

Bill No. 9
RENOVATIONS TO MEMORIAL SITE
COMPLETION OF ZUURBERG PEACE MEMORIAL

Bill No. 9

RENOVATIONS TO MEMORIAL SITE

COLLECTION

Total Brought Forward from Page No.

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Amount

Carried to Summary

Bill No. 9

RENOVATIONS TO MEMORIAL SITE

COMPLETION OF ZUURBERG PEACE MEMORIAL

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PAINT TO EXISTING WORK (PROVISIONAL)</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>PAINTING, ETC TO EXISTING WORK</u>			
	<u>ON PLASTER, ETC</u>			
	<u>Clean surfaces Of All Bird Droppings Dirt, Etc, Remove All Flaking Paint, Sand Down, Prepare Surface, Spot Prime With Sabre Enviro Plaster Primer And Apply Two Coats Sabre Super Cover Paint On:</u>			
1	Internal plastered ceilings and beams	m2	50	
2	External plastered ceilings and beams	m2	10	
3	Gypsumboard ceilings	m2	150	
4	Fibre cement eaves coverings	m2	30	
5	Fibre cement fascia boards	m2	10	
	<u>Clean surfaces Of All Bird Droppings Dirt, Etc, Remove All Flaking Paint, Sand Down, Prepare Surface, Spot Prime With Sabre Enviro Plaster Primer And Apply Two Coats Sabre Poly Acrylic Paint On:</u>			
6	Internal plastered walls	m2	600	
7	External plastered walls	m2	350	
	Carried to Collection			
	Bill No. 10 PAINTING TO EXISTING WORK (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL		R	

ON METAL

Clean surfaces Of All Bird Droppings Dirt, Etc, Remove
All Flaking Paint, Sand Down, Prepare Surface, Treat
Any Rust, Spot Prime With Sabre Metal Primer And
Apply Two Coats Sabre Satin on drip Acrylic Paint On:

1	Door frames	m2	10
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ON WOOD

Clean surfaces Of All Bird Droppings Dirt, Etc, Remove
All Flaking Paint, Sand Down, Prepare Surface, Spot
Prime With Sabre Wood Primer And Apply Two Coats
Sabre Satin on drip Acrylic Paint On:

2	Doors	m2	30
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3	Skirting, rail, etc not exceeding 300mm girth	m	100
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Carried to Collection

Bill No. 10
PAINTING TO EXISTING WORK (PROVISIONAL)
COMPLETION OF ZUURBERG PEACE MEMORIAL

R

Bill No. 10

PAINTING TO EXISTING WORK (PROVISIONAL)

COLLECTION

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Amount

Carried to Summary

Bill No. 10

PAINTING TO EXISTING WORK (PROVISIONAL)
COMPLETION OF ZUURBERG PEACE MEMORIAL

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>DOORINGNEK SITE EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING AND CLEARING OF SITE</u>			
1	Allow for general cleaning and clearing up of site inclusive of carting away rubbish, debris, spoil heaps, builders rubble, left over materials, etc		Item	
2	<u>SITE CLEARANCE, ETC</u>			
2	Digging up and removing from site all rubbish, debris, vegetable matter, shrubs, small trees, etc and clearing site	m2	4,484	
3	Strip layer of top soil and deposit on site in spoil heaps	m3	448	
4	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the contractor	m3	200	
	<u>BULK EARTHWORKS</u>			
5	Excavate in earth to open face to reduce levels over site to form platforms, etc and deposit on site in spoil heaps	m3	3,200	
6	Extra over for excavation in soft rock	m3	15	
	Carried to Collection			
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

1	Ditto, in hard rock	m3	10	
2	Allow for keeping excavations free from water		Item	
3	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the contractor	m3	800	
4	Selected filling obtained from excavated material in making up levels over site, etc., compacted to 95% Mod AASHTO density	m3	2,400	
5	Earth filling using imported G7 material in making up levels over site, etc., and compacted to 95% Mod AASHTO density	m3	800	
6	Scarf to a depth of 150mm and compact to 93% Mod AASHTO density.	m2	4,484	
7	Modified AASHTO density test on filling	No	20	
<u>ROADS, PARKING AND WALKWAYS</u>				
8	150mm Thick sub-base course layer of G4 material in accordance with SANS 1200, supplied by the contractor and compacted under roads, walkways, etc., to 96% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	134	
9	150mm Thick base course layer of G5 material in accordance with SANS 1200, supplied by the contractor and compacted under roads, walkways, etc., to 98% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	134	
10	Scarf to a depth of 150mm and compact to 93% Mod AASHTO density.	m2	890	
Carried to Collection				
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

1	Modified AASHTO density test on filling	No	30	
2	Clean up/restore existing concrete interlocking paving to roadways and walkways by sweeping/digging up and removing all silt and soil build up, apply weed-killer and remove all weeds, grass and vegetation from top surface and joints, and leave clean and clear for re-grouting (elsewhere measured)	m2	4,500	
3	Reinforced concrete 25 MPa in walkways	m3	10	
4	Broom drag finish on top of concrete walkways, etc	m2	100	
5	10mm Closed cell polyethelene pre-formed joint filler not exceeding 300mm wide with 10 x 10mm hinged blocking piece between concrete, brick or steel surfaces	m	200	
6	Remove blocking piece and seal 10 x 10mm cavity with Sikaflex Pro-3WF sealant	m	200	
7	Formwork to edge, riser, etc not exceeding 300mm high	m	200	
8	Type 193 fabric reinforcement in concrete walkways	m2	100	
9	Re-grouting of existing 80mm concrete interlocking paving in accordance with SABS 1058 and SABS 1200-MJ	m2	4,500	
10	50mm Thick concrete (25MPa) natural grey interlocking pavers laid to approved pattern on and including a 20mm thick crusher dust bed including grouting joints after laying all to comply with SABS 1058 and SABS 1200-MJ	m2	67	
11	Extra over 50mm interlocking pavers for perimeter margin including any necessary thickening	m	24	
Carried to Collection				
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL				

1	Ditto, circular on plan	m	12	
2	Circular cutting and waste to last	m	12	
3	80mm Thick concrete (25MPa) natural grey interlocking pavers laid to approved pattern on and including a 20mm thick crusher dust bed including grouting joints after laying all to comply with SABS 1058 and SABS 1200-MJ	m2	50	
4	Extra over 80mm interlocking pavers for perimeter margin including any necessary thickening	m	15	
5	Ditto, circular on plan	m	10	
6	Circular cutting and waste to last	m	10	
7	Precast concrete barrier kerb (SABS 927 figure 2) size 125 x 230mm high radius finished smooth from the mould including excavation, backfilling, bedding and laying on a 15 MPa concrete bed, jointing, pointing, etc and continuous cement concrete haunching at back	m	62	
8	Ditto, circular on plan to a radius exceeding 4m	m	20	
9	Ditto, circular on plan to a radius not exceeding 4m	m	15	
10	Prepare surface and apply bitumen based roadmarking paint to line on precast pavers 100mm wide	m	125	
11	Ditto, but 300mm wide	m	20	
12	Ditto, but painted arrow sign facing one direction 4.00m long	No	10	
Carried to Collection				
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL				

1	Ditto, but painted arrow sign facing two directions 4.00m long	No	2		
2	Ditto, but painted disabled parking bay sign 2.00m long	No	2		
3	Ditto, but painted sign 2.00m high to read "STOP"	No	4		
4	Type R1 stop sign including lettering, galvanised steel post, concrete base, all necessary excavations, formwork, filling, ramming, etc	No	4		
5	Ditto, but arrow sign	No	4		
<u>WALKWAYS TO CABINS</u>					
6	Excavate in earth to reduce levels under pavings	m3	221		
7	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the contractor	m3	221		
8	150mm Thick sub-base course layer of G7 material supplied by the contractor and compacted under pavings, to 95% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	83		
9	150mm Thick base course layer of G5 material supplied by the contractor and compacted under pavings to 98% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	83		
10	Trim and restore to original level, scarify in-situ material to a depth of 150mm and compact to 93% Mod AASHTO density	m2	552		
Carried to Collection					
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL					

1	Concrete 25MPa in pavings cast in panels including temporary formwork	m3	16		
2	Thicken out edge of paving size 250 x 100mm including excavations, etc	m	258		
3	Float top of concrete pavings to a smooth surface to falls prior to laying exposed gravel finish (elsewhere measured)	m2	163		
4	5-10mm Local exposed gravel set into top of concrete pavings whilst the concrete is still wet	m2	163		
5	Close rough formwork to edge not exceeding 300mm high	m	250		
6	Ditto circular on plan to a radius exceeding 1,00m	m	8		
7	Type 193 mesh reinforcement in concrete pavings	m2	163		
8	50mm Thick concrete (30MPa) natural grey bond pavers laid to approved pattern on and including a 20mm thick crusher dust bed including grouting joints after laying all to comply with SABS 1058 and SABS 1200-MJ	m2	389		
9	Circular cutting and waste to last	m	36		
10	Extra over 50mm bond pavers for perimeter margin including any necessary thickening	m	288		
11	Ditto, circular on plan	m	36		
Carried to Collection					
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

<u>GRAVEL ROADWAYS TO CABINS AND CAMP STANDS</u>			
1	Excavate in earth to reduce levels under roadways	m3	238
2	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the contractor	m3	238
3	150mm Thick sub-base course layer of G7 material supplied by the contractor and compacted under pavings, to 95% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	143
4	150mm Thick base course layer of G5 material supplied by the contractor and compacted under pavings to 98% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	143
5	100mm Layer of 19mm stone spread and lightly compacted over roadways	m2	888
6	Trim and restore to original level, scarify in-situ material to a depth of 150mm and compact to 93% Mod AASHTO density	m2	951
7	150 x 250mm Precast concrete barrier kerb (SABS 927 figure 4) finished smooth from the mould including excavation, backfilling, bedding and laying on a 15 MPa concrete bed, jointing, pointing, etc and continuous cement concrete haunching at back	m	266
8	Ditto, circular on plan to a radius exceeding 4.00m	m	149
Carried to Collection			
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL			

<u>GABION WALLS AND RETAINING STRUCTURES</u>			
1	Earth filling using imported G7 material in additional filling behind gabion retaining walls and compacted in layers not exceeding 150mm thick to 95% Mod AASHTO density	m3	480
2	500mm Thick retaining walls formed of 2mm galvanised wire baskets laced together, size 500 x 500mm x 1000mm long, filled with broken stone, stepped and bonded including excavations, compacting in situ below to 95% Mod AASHTO, and backfilling behind walls with excavated material	m3	50
3	500mm Thick retaining walls formed of 2mm galvanised wire baskets laced together, size 500 x 500mm x 2000mm long, filled with broken stone, ditto	m3	60
4	1000mm Thick retaining walls formed of 2mm galvanised wire baskets laced together, size 1000 x 500mm x 1000mm long, filled with broken stone, ditto	m3	270
5	1000mm Thick retaining walls formed of 2mm galvanised wire baskets laced together, size 1000 x 500mm x 2000mm long, filled with broken stone, ditto	m3	180
6	Bidim A4 filter fabric with 150mm laps laid under and between gabion baskets	m2	1,023
7	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for repairs to existing gabion walls	Item	20,000.00
<u>STORMWATER DRAINAGE</u>			
<u>Cleaning Out Existing Installations</u>			
8	Allow for rodding and cleaning out all existing stormwater pipe lines (approximately 440m) and manholes (approximately 21 no)	Item	
Carried to Collection			
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL			
R			

	<u>Cut-Off Drains And Concrete Channels</u>			
1	600mm Wide concrete 30MPa V-drain 225mm thick along both sides and tapered to 150mm deep at centre complete including excavation, compaction, 150mm G4 layer, formwork, surface finishing, reinforcing mesh type 395, cold joints, etc	m	195	
	<u>Reinforced Concrete Pipes (Class 100D) Including Short Lengths, Cutting And Jointing With Spigot And Socket Rubber Ring Joints Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>			
2	300mm Pipe laid in and including trenches not exceeding 1,00m deep	m	180	
3	300mm Pipe laid in and including trenches exceeding 1.00 and not exceeding 2,00m deep	m	230	
	<u>Sundries</u>			
4	Stormwater sump size 600 x 600 x not exceeding 1.00m deep internally, including concrete base, brick walls, 450 x 450mm cast iron grating and frame, etc., complete in all trades	No	12	
5	Stormwater outlet headwall complete in all trades and suitable for 300mm diameter pipe	No	10	
6	Stormwater manhole size 900 x 900 x not exceeding 1000 mm deep internally complete including 450 x 450mm heavy duty single seal cast iron manhole cover and frame	No	12	
7	Ditto, exceeding 1000mm and not exceeding 2000mm deep	No	9	
	Carried to Collection			R
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL				

1	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for sump with grating across road entrance	Item	20,000.00
2	Provide the budgetary allowance of R 100 000-00 (one hundred thousand rand) for stormwater attenuation pond	Item	100,000.00
<u>SUB SOIL DRAINAGE</u>			
3	110mm Perforated geopipe including 300 x 300mm stone encasing (19mm) and wrapped with geotextile with 300m laps laid in and including trenches not exceeding 1.00m deep, back filling, carting away surplus, etc	m	410
4	110mm Ditto, exceeding 1.00 and not exceeding 2.00m deep.	m	290
5	Extra on last for y-junction intersection	No	22
<u>SOIL AND WASTE WATER DRAINAGE</u>			
<u>Cleaning Out Existing Installations</u>			
6	Allow for rodding and cleaning out all existing sewer pipe lines (approximately 841m) and manholes (approximately 26 no)	Item	
<u>UPVC Pipes Class 34 Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>			
7	110mm Pipe laid in and including trenches not exceeding 1,00m deep	m	60
8	160mm Ditto	m	30
Carried to Collection			
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL			
R			

1	200mm Ditto	m	550	
2	110mm Pipe laid in and including trenches exceeding 1.00 and not exceeding 2,00m deep	m	39	
3	160mm Ditto	m	25	
4	200mm Ditto	m	463	
<u>Extra For:</u>				
5	110mm Bend	No	6	
6	160mm Ditto	No	6	
7	200mm Ditto	No	50	
8	110mm Inspection eye bend	No	6	
9	160mm Ditto	No	6	
10	200mm Ditto	No	50	
11	110mm Junction	No	3	
12	160mm Ditto	No	3	
13	200mm Ditto	No	3	
14	110mm Inspection eye junction	No	3	
15	160mm Ditto	No	3	
Carried to Collection				
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

1	200mm Ditto	No	3	
<u>Sundries</u>				
2	Cement Concrete 15MPa in encasing 110mm pipe to a minimum thickness of 100mm all round including any necessary formwork, etc	m	18	
3	Ditto, to 160mm pipe	m	3	
4	Ditto, to 200mm pipe	m	24	
5	Ditto, to 110mm bend	No	6	
6	Ditto, to 160mm bend	No	6	
7	Ditto, to 200mm bend	No	50	
8	UPVC gully trap complete with UPVC removable grating including encasing all round with cement concrete 15MPa and with standard precast concrete surround fitted on top including excavation, risk of collapse, fill in and ram, formwork, etc	No	9	
9	110mm Diameter C.I. rodding eye cover and frame including joint to UPVC pipe and encasing in 500 x 500 x 250mm thick concrete	No	4	
10	160mm Ditto	m	4	
11	200mm Ditto	m	2	
12	Approved precast concrete "I.E." market block set in ground over top of inspection fitting	No	71	
Carried to Collection				
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

1	Inspection chamber size 1000mm diameter x not exceeding 1000mm deep formed of precast concrete manhole rings and heavy duty cast iron cover and frame, in all trades, complete	No	12		
2	Ditto, exceeding 1000mm and not exceeding 2000mm deep	No	12		
3	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for remedial works to existing sewer system	Item		20,000.00	
4	Provide the budgetary allowance of R 150 000-00 (one hundred and fifty thousand rand) for remedial works to existing septic tank and soakaway	Item		150,000.00	
5	Extra over excavations for drain trenches, etc in earth for excavation in soft rock	m3	20		
6	Ditto, in hard rock	m3	20		
<u>Note:</u>					
In remeasuring the cubic quantity of extra for excavations in soft, hard rock, etc for drain trenches, etc the following basis shall apply:					
Drain Trenches, Water Supply, Etc - Trenches not exceeding 1,00m deep shall be taken 0,60m wider than the internal diameter of the pipe. This width shall be increased by 100mm for each successive depth of 1,00m to a maximum of 1,00m wider than the internal diameter of the pipe.					
Inspection Chambers, Etc - Inspection chambers, etc shall be taken to the full extent in width and depth and no more.					
<u>WATER SUPPLIES</u>					
Carried to Collection					
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

	<u>Water Storage Tank</u>			
1	Provide the Provisional Sum amount of R 250 000.00 (two hundred and fifty thousand rand) for 80kl steel water storage tank, pipe interconnections, valves, fittings, etc., and builders work	Item		250,000.00
2	Allow for profit and attendance	Item		
	<u>RISING MAIN HARVESTED WATER</u>			
	<u>UPVC Pipes And Fittings (Class 9) Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>			
3	50mm Pipe and laid in trenches not exceeding 1,00m deep	m	200	
	<u>Extra For Cast Iron Fittings:</u>			
4	50mm Bend	No	20	
5	50mm Tee	No	4	
6	50mm End cap	No	2	
	<u>Sundries</u>			
7	Cement concrete (15MPa) in thrust blocks at bends, tees, etc including necessary excavation, formwork, etc	m3	6	
8	50mm Cast iron flanged gate valve including joints to pipes	No	2	
9	50mm Non return valve including joints to pipe	No	2	
	Carried to Collection			R
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL				

1	Valve chamber size 900 x 900 x not exceeding 1.00m deep internally, including concrete base, brick walls, type 4A manhole cover and frame, etc., complete in all trades	No	2		
2	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for connections at treatment plant and storage tank	Item		20,000.00	
<u>Treatment Plant</u>					
3	Provide the Provisional Sum amount of R 45 000.00 (forty five thousand rand) for treatment plant	Item		45,000.00	
4	Allow for profit and attendance	Item			
<u>WATER MAIN FROM BOREHOLE</u>					
<u>UPVC Pipes And Fittings (Class 9) Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>					
5	110mm Pipe and laid in trenches not exceeding 1,00m deep	m	280		
<u>Extra For Cast Iron Fittings:</u>					
6	110mm Straight reducer	No	2		
7	110mm Bend	No	10		
8	110mm Tee	No	2		
9	110mm End cap	No	1		
Carried to Collection					
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

<u>Sundries</u>			
1	Cement concrete (15MPa) in thrust blocks at bends, tees, etc including necessary excavation, formwork, etc	m3	3
2	110mm Air valve including joints to pipe	No	1
3	110mm Cast iron flanged gate valve as Waterworks class 16 including cast iron flanged adaptor on each end and joints to pipes	No	1
4	110mm Non return valve including joints to pipe	No	1
5	Valve chamber size 1200 x 1200 x not exceeding 1.00m deep internally, including concrete base, brick walls, type 4A manhole cover and frame, etc., complete in all trades	No	1
6	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for road crossings	Item	20,000.00
7	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for connections at borehole and treatment plant	Item	20,000.00
<u>Borehole Installation</u>			
8	Provide the Provisional Sum amount of R 150 000.00 (one hundred and fifty thousand rand) for borehole, submersible pump, etc	Item	150,000.00
9	Allow for profit and attendance	Item	
<u>HARVESTED RAINWATER WATER LINES AND TANKS</u>			
Carried to Collection			
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL			
R			

<u>UPVC Pipes And Fittings (Class 9) Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>			
1	50mm Pipe vertical in trenches (no excavations)	m	40
2	50mm Pipe and laid in trenches not exceeding 1,00m deep	m	50
<u>Extra For Cast Iron Fittings:</u>			
3	50mm Reducer	No	4
4	50mm Bend	No	20
5	50mm Tee	No	10
6	50mm End cap	No	5
<u>Sundries</u>			
7	Cement concrete (15MPa) in thrust blocks at bends, tees, etc including necessary excavation, formwork, etc	m3	8
8	50mm Cast iron flanged gate valve including joints to pipes	No	12
9	Valve chamber size 900 x 900 x not exceeding 1.00m deep internally, including concrete base, brick walls, type 4A manhole cover and frame, etc., complete in all trades	No	12
Carried to Collection			
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL			

1	5000 Litre Jojo water storage tank fixed in position on top of concrete tank stand (elsewhere measured) including all necessary fixations	No	4		
2	Extra on Jojo tank for connection of bottom outlet to 50mm UPVC pipe	No	41		
3	Provide the budgetary allowance of R 10 000-00 (ten thousand rand) for replacing missing sieves, lids, etc., on existing rainwater tanks	Item			10,000.00
	<u>POTABLE WATER LINES</u>				
	<u>UPVC Pipes And Fittings (Class 9) Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>				
4	50mm Pipe and laid in trenches not exceeding 1,00m deep	m	600		
	<u>Extra For Cast Iron Fittings:</u>				
5	50mm Reducer	No	8		
6	50mm Bend	No	40		
7	50mm Tee	No	24		
8	50mm End cap	No	2		
	<u>Sundries</u>				
9	Cement concrete (15MPa) in thrust blocks at bends, tees, etc including necessary excavation, formwork, etc	m3	3		
	Carried to Collection				
	Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL			R	

1	50mm Cast iron flanged gate valve including joints to pipes	No	10		
2	Valve chamber size 900 x 900 x not exceeding 1.00m deep internally, including concrete base, brick walls, type 4A manhole cover and frame, etc., complete in all trades	No	10		
3	Standpipe comprising 25mm diameter galvanised steel pipe 1200mm high, including connection to 50mm UPVC pipe at bottom, 22mm brass hose tap at top, fixed to an including approved vertical steel standard with concrete base	No	18		
4	Provide the budgetary allowance of R 5 000-00 (five thousand rand) for connections, etc., at storage tank	Item		5,000.00	
5	Provide the budgetary allowance of R 100 000-00 (one hundred thousand rand) for float controls at main storage and potable water tanks (3 sets)	Item		100,000.00	
<u>FIRE SERVICE</u>					
<u>UPVC Pipes And Fittings (Class 9) Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>					
6	110mm Vertical pipe	m	6		
7	110mm Pipe and laid in trenches not exceeding 1,00m deep	m	80		
<u>Extra For Cast Iron Fittings:</u>					
8	110mm Straight reducer	No	6		
Carried to Collection					
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL					

1	110mm Bend	No	15		
2	110mm Tee	No	2		
3	110mm End cap	No	1		
<u>Sundries</u>					
4	Cement concrete (15MPa) in thrust blocks at bends, tees, etc including necessary excavation, formwork, etc	m3	4		
5	110mm Cast iron flanged gate valve as Waterworks class 16 including cast iron flanged adaptor on each end and joints to pipes	No	2		
6	Valve chamber size 1200 x 1200 x not exceeding 1.00m deep internally, including concrete base, brick walls, type 4A manhole cover and frame, etc., complete in all trades	No	2		
7	Concrete hydrant pedestal 900mm high cast around vertical pipe (elsewhere measured) with bottom 300mm below ground, 300 x 300mm square at base and tapering to octagonal shape at top size 200 x 200mm overall including excavations, formwork and two coats of paint to exposed surfaces	No	3		
8	80mm Right angle threaded type hydrant valve with 65mm instantaneous integrally cast with the body including joint to pipe	No	3		
9	Provide the budgetary allowance of R 10 000-00 (ten thousand rand) for connections at water storage tank	Item		10,000.00	
10	Provide the budgetary allowance of R 40 000-00 (forty thousand rand) for remedial works to existing water lines and fire service	Item		40,000.00	
Carried to Collection					
Bill No. 11 DOORINGNEK SITE EXTERNAL WORKS (PROVISION COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

	<u>TESTING</u>	Item	
1	Allow for testing all stormwater drainage, soil drainage, water lines and fire service to the satisfaction of the Engineer		
	Carried to Collection	R	

Bill No. 11
DOORINGNEK SITE EXTERNAL WORKS (PROVISION
COMPLETION OF ZUURBERG PEACE MEMORIAL

Bill No. 11	DOORINGNEK SITE EXTERNAL WORKS (PROVISIONAL)	Page No	Amount
	<u>COLLECTION</u>		
	Total Brought Forward from Page No.	104	
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	Carried to Summary		
Bill No. 11	DOORINGNEK SITE EXTERNAL WORKS (PROVISIONAL)	R	
	COMPLETION OF ZUURBERG PEACE MEMORIAL		

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>ALL TRADES</u>			
	<u>Note:</u>			
	For Preambles see "Model Preambles for Trades" as published by the Association of South African Quantity Surveyors (2008 Edition).			
	<u>GENERAL CLEANING AND CLEARING OF SITE</u>			
1	Allow for general cleaning and clearing up of site inclusive of carting away rubbish, debris, spoil heaps, builders rubble, left over materials, etc			
2	<u>ROADS, PARKING AND WALKWAYS</u>			
2	150mm Thick sub-base course layer of G4 material in accordance with SANS 1200, supplied by the contractor and compacted under roads, walkways, etc., to 96% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	10	
3	150mm Thick base course layer of G5 material in accordance with SANS 1200, supplied by the contractor and compacted under roads, walkways, etc., to 98% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	10	
4	Scarify to a depth of 150mm and compact to 93% Mod AASHTO density.	m2	75	
5	Modified AASHTO density test on filling	No	15	
	Carried to Collection			
	Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL		R	

1	Clean up/restore existing concrete interlocking paving to roadways and walkways by sweeping/digging up and removing all silt and soil build up, apply weed-killer and remove all weeds, grass and vegetation from top surface and joints, and leave clean and clear for re-grouting (elsewhere measured)	m2	780		
2	Re-grouting of existing 80mm concrete interlocking paving in accordance with SABS 1058 and SABS 1200-MJ	m2	780		
3	Clean up/restore existing precast concrete kerb with channel by sweeping/digging up all silt and soil build up, apply weed-killer and remove all weeds, grass and vegetation from all surfaces and joints, and leave clean and clear for re-grouting (elsewhere measured)	m2	439		
4	Carefully take up existing figure 14 precast concrete channel edge block, prepare surface below and re-lay in original position on a 15 MPa concrete bed, including continuous concrete haunching one side, excavation, backfilling, bedding, jointing, pointing, etc	m	22		
5	Prepare surface and apply bitumen based roadmarking paint to line on precast pavers 100mm wide	m	28		
6	Ditto, but 300mm wide	m	10		
7	Ditto, but painted arrow sign facing one direction 4.00m long	No	4		
8	Ditto, but painted arrow sign facing two directions 4.00m long	No	2		
9	Ditto, but painted disabled parking bay sign 2.00m long	No	1		
10	Ditto, but painted sign 2.00m high to read "STOP"	No	2		
Carried to Collection					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					

1	Type R1 stop sign including lettering, galvanised steel post, concrete base, all necessary excavations, formwork, filling, ramming, etc	No	2		
2	Ditto, but arrow sign	No	2		
<u>EXISTING GRAVEL PATHWAYS</u>					
3	Provide the budgetary allowance of R 10 000-00 (ten thousand rand) for importation of natural stone gravel to augment the rehabilitation of pathways	Item		10,000.00	
4	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for cutting back bush for a width of 1m either side of the procession pathway between the Reception and Memorial sites	Item		20,000.00	
<u>NEW GRAVEL PATHWAYS</u>					
5	Excavate in earth to reduce levels under pathways, etc and deposit on site in spoil heaps	m3	14		
6	Allow for keeping excavations free from water	Item			
7	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the contractor	m3	14		
8	Hyvar X weed-killer mixed with water and applied at a rate of 100 grams/m ² under pathways	m2	45		
9	150mm Thick sub-base course layer of G7 material in accordance with SANS 1200, supplied by the contractor and compacted under pathways, etc., to 96% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	7		
Carried to Collection					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

1	150mm Thick base course layer of G5 material in accordance with SANS 1200, supplied by the contractor and compacted under roads, walkways, etc., to 98% Mod AASHTO density (Note: Quantity is measured in cubic metres)	m3	7		
2	Scarify to a depth of 150mm and compact to 93% Mod AASHTO density.	m2	45		
3	Modified AASHTO density test on filling	No	4		
4	Provide the budgetary allowance of R 15 000-00 (fifteen thousand rand) for importation and laying of natural stone gravel to pathways to match existing	Item		15,000.00	
5	75-100mm Diameter treated SAP gumpole kerbing including galvanised straps and pegs and secure into ground along edge of pathways	m	60		
<u>GABION WALLS AND RETAINING STRUCTURES</u>					
6	1000mm Thick retaining walls formed of 2mm galvanised wire baskets laced together, size 500 x 500mm x 2000mm long, filled with broken stone, stepped and bonded including excavations, compacting in situ below to 95% Mod AASHTO, and backfilling behind walls with excavated material	m3	54		
7	Ditto, with 1000 x 500 x 1000mm long baskets	m3	10		
8	Bidim A4 filter fabric with 150mm laps laid under and between gabion baskets	m2	210		
9	Provide the budgetary allowance of R 50 000-00 (fifty thousand rand) for repairs to existing gabion walls	Item		50,000.00	
<u>STORMWATER DRAINAGE</u>					
Carried to Collection					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

	<u>Cleaning Out Existing Installations</u>			
1	Allow for rodding and cleaning out all existing stormwater pipe lines (approximately 45m) and manholes (approximately 2 no)	Item		
	<u>Cut-Off Drains And Concrete Channels</u>			
2	Form cut-off drain 1000mm wide x 500mm deep into existing sub grade material and use excavated material to form berm along on side including excavations, shaping to profile and falls, ramming, etc	m	30	
3	900mm Wide concrete 30MPa V-drain 225mm thick along both sides and tapered to 150mm deep at centre complete including excavation, compaction, 150mm G4 layer, formwork, surface finishing, reinforcing mesh type 395, cold joints, etc	m	15	
	<u>Sundries</u>			
4	Install new 450 x 450mm cast iron grating and frame over existing brick catchpit including concrete surround, etc	No	8	
5	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for remedial works to existing stormwater system	Item		20,000.00
	<u>SOIL AND WASTE WATER DRAINAGE</u>			
	<u>Cleaning Out Existing Installations</u>			
6	Allow for rodding and cleaning out all existing sewer pipe lines (approximately 60m) and manholes (approximately 2 no)	Item		
	Carried to Collection			
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

<u>UPVC Pipes Class 34 Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>				
1	110mm Pipe laid in and including trenches not exceeding 1,00m deep	m	10	
2	Ditto, exceeding 1.00 and not exceeding 2,00m deep	m	10	
<u>Extra For:</u>				
3	110mm Bend	No	1	
4	110mm Inspection eye bend	No	1	
5	110mm Junction	No	1	
6	110mm Inspection eye junction	No	1	
7	110mm Inspection eye reducing junction	No	1	
<u>Sundries</u>				
8	UPVC gulley trap complete with UPVC removable grating including encasing all round with cement concrete 15MPa and with standard precast concrete surround fitted on top including excavation, risk of collapse, fill in and ram, formwork, etc	No	3	
9	110mm Diameter C.I. rodding eye cover and frame including joint to UPVC pipe and encasing in 500 x 500 x 250mm thick concrete	No	3	
Carried to Collection				
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL				

1	Labour and material installing smooth concrete surround to existing cast iron manhole cover and frame on top of brick manhole size 600 x 900mm	No	4		
2	Provide the budgetary allowance of R 20 000-00 (twenty thousand rand) for remedial works to existing sewer system	Item		20,000.00	
3	Provide the budgetary allowance of R 75 000-00 (seventy five thousand rand) for remedial works to existing septic tank and soakaway	Item		75,000.00	
4	Extra over excavations for drain trenches, etc in earth for excavation in soft rock	m3	6		
5	Ditto, in hard rock	m3	3		
<u>Note:</u>					
In remeasuring the cubic quantity of extra for excavations in soft, hard rock, etc for drain trenches, etc the following basis shall apply:					
Drain Trenches, Water Supply, Etc - Trenches not exceeding 1,00m deep shall be taken 0,60m wider than the internal diameter of the pipe. This width shall be increased by 100mm for each successive depth of 1,00m to a maximum of 1,00m wider than the internal diameter of the pipe.					
Inspection Chambers, Etc - Inspection chambers, etc shall be taken to the full extent in width and depth and no more.					
<u>WATER SUPPLY</u>					
Carried to Collection					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

	<u>Clearing Pipeline Route</u>			
1	Allow for clearing site for a width of 1,00m for route of new water pipeline including removing trees, shrubs, etc., not exceeding 200mm girth, grubbing up routes and roughly levelling	m	80	
2	Cut down and remove tree with trunk exceeding 200mm and not exceeding 500mm girth, including grubbing up roots, backfilling, roughly levelling, etc	No	4	
3	Ditto, exceeding 500mm and not exceeding 1000mm girth, ditto	No	2	
	<u>HDPE Pipes And Fittings (Class 6) Including Laying On And Including Average 150mm Layer Of Sand Including Excavations In Earth, Risk Of Collapse, Keeping Excavations Free From Water, Working Space, Filling In And Ramming With Imported G7 Filling To 95%, Carting Away Surplus Soil, Etc</u>			
4	63mm Pipes laid in and including trenches	m	80	
	<u>Extra For Cast Iron Fittings:</u>			
5	63mm Straight reducer	No	4	
6	63mm Bend	No	12	
7	63mm Tee	No	4	
8	63mm End cap	No	2	
	<u>Sundries</u>			
9	Cement concrete (15MPa) in thrust blocks at bends, tees, etc including necessary excavation, formwork, etc	m3	2	
	Carried to Collection			
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL		R		

1	63mm Air valve including joints to HDPE pipe	No	2		
2	63mm Cast iron flanged gate valve as Waterworks class 16 including cast iron flanged adaptor on each end and joints to pipes	No	2		
3	63mm Non return valve including joints to HDPE pipe	No	2		
4	Valve chamber size 900 x 900 x not exceeding 1.00m deep internally, including concrete base, brick walls, type 4A manhole cover and frame, etc., complete in all trades	No	4		
5	Provide the budgetary allowance of R 10 000-00 (ten thousand rand) for builders work at Duty and Stand-By pump installations	Item			10,000.00
<u>TESTING</u>					
6	Allow for testing all stormwater drainage, soil drainage and water supply to the satisfaction of the Engineer	Item			
<u>WATER STORAGE</u>					
<u>The Following In Tank Stands For Water Tanks</u>					
7	Excavate for surface trenches n.e. 2,00m deep	m3	20		
8	Extra over trench, etc excavation in earth for excavation in soft rock	m3	4		
9	Ditto, in hard rock	m3	2		
10	Risk of collapse to sides of trench, etc excavations not exceeding 1.50m deep	m2	64		
Carried to Collection					
R					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					

1	Load surplus or unsuitable material from spoil heaps and cart away to a dumping site to be located by the contractor	m3	20		
2	Earth filling using imported G7 material in backfilling to trenches,etc and compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density	m3	8		
3	G5 material supplied by the contractor and compacted under floors, etc to 98% Mod AASHTO	m3	6		
4	Trim and restore to original level, scarify in-situ material to a depth of 150mm and compact to 90% Mod AASHTO density	m2	13		
5	Concrete 25 MPa in footings cast against excavated surfaces	m3	6		
6	Ditto, in surface beds cast in panels including temporary formwork	m3	4		
7	Form smooth finish to top of concrete surface bed	m	26		
8	Two layers of 3 Ply Malthoid with graphite grease in between in slip joint between concrete and brick surfaces not exceeding 300mm wide	m	40		
9	Formwork to edge, riser, etc not exceeding 300mm high	m	100		
10	Blocking in formwork to form 25 x 25mm chamfer	No	40		
11	Type 193 fabric reinforcement in concrete surface beds	m2	26		
12	One brick wall	m2	40		
Carried to Collection					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

1	150mm Brick mesh reinforcement in walls	m	160		
2	Extra over brickwork for faced brickwork externally (allow the Prime Cost Sum of R6 000-00/1000 Exc VAT for delivery to site)	m2	24		
3	25 Micron USB green waterproof sheeting under surface beds	m2	26		
<u>Water Storage Tanks</u>					
4	10000 Litre Jojo water storage tank fixed in position on top of concrete tank stand (elsewhere measured) including all necessary fixations	No	3		
5	Extra on Jojo tank for nylon bush and reducers to bottom outlet for connection to 22mm diameter pipe	No	3		
<u>Lean-To Rainwater Catchment Structure</u>					
6	Provide the Provisional Sum amount of R 80 000.00 (eighty thousand rand) for lean-to rainwater catchment structure	Item		80,000.00	
7	Allow for profit and attendance	Item			
<u>SECURITY FENCING</u>					
<u>Clearing Fencing Route</u>					
8	Allow for clearing site for a width of 1,00m for where fencing runs are to be erected including removing trees, shrubs, bush, etc., not exceeding 200mm girth, grubbing up routes and roughly levelling	m	602		
9	Cut down and remove tree with trunk exceeding 200mm and not exceeding 500mm girth, including grubbing up roots, backfilling, roughly levelling, etc	No	10		
Carried to Collection					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					

1	Ditto, exceeding 500mm and not exceeding 1000mm girth, ditto	No	6	
<u>Timber Poles</u>				
2	100mm Diameter treated SAP gumpole intermediate fence post 3000mm high including 350 x 350 x 700mm mass concrete (15 MPa) base including all necessary excavation, carting away surplus, back filling, etc	No	200	
3	Ditto, corner post	No	20	
4	Ditto, straining post	No	30	
5	100mm Diameter treated SAP gumpole diagonal brace 2400mm long with top end bolted to straining post and bottom end cast into and including 350 x 350 x 700mm mass concrete (15 MPa) base including all necessary excavation, carting away surplus, back filling, etc	No	100	
6	150mm Diameter treated SAP gumpole gate post 3000mm high including 600 x 600 x 900mm mass concrete (15 MPa) base including all necessary excavation, carting away surplus, back filling, etc	No	6	
<u>Fencing</u>				
7	Fencing formed of 50 x 50 x 2,50mm diameter galvanised "Secumesh" security fence 1,80m high with vertical wires facing outwards secured with "Howring" heavy duty clips applied with "Howring" pliers at 100mm centres to top straining wire and secured with 2,50mm galvanised binding wire to bottom and three intermediate straining wires (straining wires elsewhere measured)	m	602	
8	500mm High flat wrap razor wire coils fixed to double strand of straining wire (elsewhere measured)	m	602	
Carried to Collection				
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL				
R				

1	4,00mm Galvanised straining wire secured to fencing posts with 2,50mm galvanised wire inserted through and including hole in 100mm diameter gumpole post (posts @ 3,00m centres) including securing to straining eyebolts (elsewhere measured) at straining posts	m	4,214		
2	Galvanised straining eye bolt including hole through 100mm diameter gumpole post, washers, nuts, etc	No	250		
<u>Gates</u>					
3	Single pedestrian gate size 1200 x 1800mm formed of 40mm diameter x 1,60mm galvanised outer and horizontal intermediate frame, 32mm diameter x 1,60mm galvanised braces, with gate covered in mesh to match fencing, hung with three galvanised eye bolt hinges including holes through 150mm diameter gumpole posts, nuts and washers on one side and lockable gate catch and keep on other side	No	1		
4	Single vehicular gate size 5427 x 1600mm formed of 40mm diameter x 1,60mm galvanised outer frame and three vertical intermediate posts, 32mm diameter x 1,60mm galvanised braces, with gate covered in mesh to match fencing, hung with three galvanised eye bolt hinges including holes through 150mm diameter gumpole post, nuts and washers on one side and lockable gate catch and keep on other side	No	4		
Carried to Collection					
Bill No. 12 MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL) COMPLETION OF ZUURBERG PEACE MEMORIAL					

Bill No. 12			
MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL)			
<u>COLLECTION</u>			
Total Brought Forward from Page No.	Page No		Amount
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Carried to Summary			
Bill No. 12	R		
MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL)			
COMPLETION OF ZUURBERG PEACE MEMORIAL			

Item No		Quantity	Rate	Amount
	<u>BILL NO.13</u>			
	<u>PROVISIONAL SUMS</u>			
	The tenderer's attention is drawn to the fact that all Provisional Sums stated are nett and do not include builder's discount.			
	<u>Joinery Fittings</u>			
1	Provide the sum of R 100 000-00 (one hundred thousand rand) for Joinery Fittings installed complete	Item		100,000.00
2	Allow for profit	Item		
3	Allow for attendance	Item		
	<u>Historian And Artwork</u>			
4	Provide the sum of R 500 000-00 (five hundred thousand rand) for Historian And Artwork	Item		500,000.00
5	Allow for profit	Item		
6	Allow for attendance	Item		
	<u>Landscaping</u>			
7	Provide the sum of R 1 000 000-00 (one million rand) for Landscaping at Dooringnek and Memorial sites	Item		1,000,000.00
8	Allow for profit	Item		
9	Allow for attendance	Item		
	Carried to Collection			
Bill No. 13		R		
PROVISIONAL SUMS				
COMPLETION OF ZUURBERG PEACE MEMORIAL				

	<u>Irrigation Installations</u>		
1	Provide the sum of R 250 000-00 (two hundred and fifty thousand rand) for Irrigation Installations at Dooringnek and Memorial sites	Item	250,000.00
2	Allow for profit	Item	
3	Allow for attendance	Item	
	<u>Signage</u>		
4	Provide the sum of R 250 000-00 (two hundred and fifty thousand rand) for Signage at Dooringnek and Memorial sites	Item	250,000.00
5	Allow for profit	Item	
6	Allow for attendance	Item	
	<u>Bush Clearing And Cutting Of Grass</u>		
7	Provide the sum of R 300 000-00 (three hundred thousand rand) for Bush Clearing and Cutting Of Grass at Dooringnek and Memorial sites	Item	300,000.00
8	Allow for profit	Item	
9	Allow for attendance	Item	
	<u>Ritual Circles</u>		
10	Provide the sum of R 50 000-00 (fifty thousand rand) for Ritual Circles at Dooringnek site	Item	50,000.00
11	Allow for profit	Item	
	Carried to Collection		
	Bill No. 13 PROVISIONAL SUMS COMPLETION OF ZUURBERG PEACE MEMORIAL	R	

1	Allow for attendance	Item	
	<u>Braai Places</u>		
2	Provide the sum of R 150 000-00 (one hundred and fifty thousand rand) for Braai Places at Dooringnek site	Item	150,000.00
3	Allow for profit	Item	
4	Allow for attendance	Item	
	<u>Electrical And Mechanical Installations</u>		
5	Provide the sum of R 2 300 000-00 (two million three hundred thousand rand) for Electrical and Mechanical Installations at Dooringnek and Memorial sites	Item	2,300,000.00
6	Allow for profit	Item	
7	Allow for attendance	Item	
	<u>Fire Detection</u>		
8	Provide the sum of R 100 000-00 (one hundred thousand rand) for fire detection at Dooringnek and Memorial sites	Item	100,000.00
9	Allow for profit	Item	
10	Allow for attendance	Item	
	Carried to Collection		
	Bill No. 13 PROVISIONAL SUMS COMPLETION OF ZUURBERG PEACE MEMORIAL	R	

	<u>SMME Packages</u>			
1	Provide the sum of R 6 150 000-00 (six million one hundred and fifty thousand rand) for SMME Work Packages comprising mainly new Cabins and External Works to achieve a target value for the project	Item		6,150,000.00
2	Allow for profit	Item		
3	Allow for attendance	Item		
	<u>Community Liason Officer (CLO)</u>			
4	Provide the sum of R 112 000-00 (one hundred and twelve thousand rand) for the employment of a Community Liason Officer (CLO) at R 8 000.00 (eight thousand rand) per month for the duration of the project	Item		112,000.00
5	Allow for profit	Item		
6	Allow for attendance	Item		
	<u>Project Steering Committee Members</u>			
7	Provide the sum of R 19 200.00 (nineteen thousand two hundred rand) for the establishment and payment of four project steering committee members with an allowance of R 400.00 (four hundred rand) per member per month (one sitting per month)	Item		19,200.00
8	Allow for profit	Item		
9	Allow for attendance	Item		
	Carried to Collection		R	
Bill No. 13 PROVISIONAL SUMS COMPLETION OF ZUURBERG PEACE MEMORIAL				

	<u>NARYSEC Skills Development Programme</u>		
1	Provide the sum of R 230 000-00 (two hundred and thirty thousand rand) for NARYSEC skills development programme	Item	230,000.00
2	Allow for profit	Item	
3	Allow for attendance	Item	
	<u>Contract Skills Development Goals (CSDG)</u>		
4	Provide the sum of R 150 000-00 (one hundred and fifty thousand rand) for contract skills development goals (CSDG)	Item	150,000.00
5	Allow for profit	Item	
6	Allow for attendance	Item	
	Carried to Collection		
Bill No. 13 PROVISIONAL SUMS COMPLETION OF ZUURBERG PEACE MEMORIAL		R	

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 21</u></p> <p><u>OCCUPATIONAL HEALTH AND SAFETY AND COVID 19</u></p> <p><u>TRADE PREAMBLES</u></p> <p><u>Trade Preambles</u></p> <p><u>For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Supplementary Preambles</u></p> <p><u>Where items in this Bill are identical to those in the previous Bills, the descriptions have been shortened, and the full descriptions in the Trades concerned are to be referred to for the full meaning and intent each item</u></p> <p><u>Prior to pricing the Principal Contractor must familiarize him/herself with the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, Covid 19 and any other relevant Regulations and Standards as well as project specific Health & Safety specifications</u></p> <p><u>The quantities contained herein serve as a guideline only to determine if the contractor has sufficiently priced for the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications. Where quantities are missing the contractor is to insert his own quantities based on his individual requirements to comply with the Health and Safety obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, other relevant Regulations and Standards as well as project specific Health & Safety specifications</u></p>			R

Carried to Collection

Bill No. 14
 OCCUPATIONAL HEALTH AND SAFETY
 COMPLETION OF ZUURBERG PEACE MEMORIAL

<p><u>All Costs to comply with the obligations and demands of the Occupational Health and Safety Act No. 85 Of 1993, Construction Regulations 2014, Covid 19 regulations and any other other relevant Regulations and Standards as well as project specific Health & Safety Specifications not listed or mentioned below must be priced in Preliminaries Section of the Bills of Quantities ' Clause 7,2 Health and Safety and Covid 19' no additional claims in respect of compliance with the above mentioned will be considered</u></p>		
<p><u>OCCUPATIONAL HEALTH AND SAFETY</u></p>		
<p><u>Full time safety officer</u></p>		
1	Full time attendance on site of a SACPCMP-registered construction health and safety officer or manager from the start of construction until the end of project handover. The full time construction health and safety officer shall also be responsible for management of COVID 19 compliance	Mnths 12.00
<p><u>General</u></p>		
2	First aiders and first aid kits	Item
3	Medical certificates of fitness Medical examination of all employees and certification of fitness by an occupational medicine practitioner. Pre-employment, annual and exit medical examination is required	Item
4	Emergency Equipment based on the risk exposure and emergency rescue. stretchers, neck brace, spill kits, lifting and lowering hosting equipment of the injured	Lmp S 1.00
5	Competent inspectors for equipment such as examples scaffolding inspectors and lifting machine inspector	Lmp S 1.00
6	Mandatory training such as risk assessments, legal liability/OHS Act, incident investigation	Lmp S 1.00
<p>Carried to Collection</p>		
<p>Bill No. 14 OCCUPATIONAL HEALTH AND SAFETY COMPLETION OF ZUURBERG PEACE MEMORIAL</p>		

1	Provide, supply and maintenance for each worker the following SANS approved personal protective equipment & clothing as per the site-specific risk assessments: • Hard Hats • Overall/work suit (100% Cotton) • Safety boots/shoes (Steel-Toe) • Safety gumboots (Steel-Toe) • Ear Plugs/Muffs • Dust Mask(at least FF2 type) • Respirators • Safety goggles • Hand gloves •Reflector vests • Other		Item		
2	Barricading and hoarding for fall arrest, SANS approved safety netting (orange color with minimum of 1,2 meters high)	Lmp S	1.00		
3	Waste bins on site and regular removal		Item		
4	Construction signage, including the sign for the construction work permit number		Item		
5	Safe scaffolding	Lmp S	1.00		
6	Safe lifting equipment for lifting and lowering pipes	Lmp S	1.00		
7	Occupational hygiene measurement and/or AIA certification, where required Measurement or certification of risk exposure	Lmp S	1.00		
8	Employee facilities drinking water, change facility, personal lockers, wash facilities, eating facilities) considering toilet and rest facilities along the road alignment	Lmp S	1.00		
9	Dust control measure for the prevention of dust nuisance		Item		
<u>HEALTH AND SAFETY EDUCATION</u>					
Carried to Collection					
Bill No. 14 OCCUPATIONAL HEALTH AND SAFETY COMPLETION OF ZUURBERG PEACE MEMORIAL					
R					

	<u>Health and safety education</u>		
1	Allow for all compulsory health and safety awareness programme (e.g. Inductions, toolbox Talks, Safety Promotions, H&S related training, etc.)	Item	
	<u>ENVIRONMENTAL</u>		
	<u>Environmental</u>		
2	Provide for adequate handling and storage of materials so as to minimize contamination of ground, air or water	Item	
3	Provide for the adequate and safe collection and disposal of waste material from site by an approved method	Item	
4	Provide for rehabilitation on completion of site areas and temporary access routes not covered by construction or landscaping specifications. i.e. grass seeding/hydro seeding, maintenance of alien vegetation	Item	
5	Provide for stockpiling of topsoil for re-use	Item	
6	Provide for a responsible person to prepare and update Method Statements, conduct regular inspections, maintain records, and report to the Principal Agent	Item	
	<u>COMPULSORY BREAKDOWN FOR THE ADJUSTMENT OF OHS</u>		
	<u>Compulsory breakdown for the adjustment of OHS and Covid 19 requirements</u>		
	Value related (R _____)		
	Fixed related (R _____)		
	Time related (R _____)		
	Carried to Collection		
Bill No. 14 OCCUPATIONAL HEALTH AND SAFETY COMPLETION OF ZUURBERG PEACE MEMORIAL		R	

Page No	Amount
146	
147	
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Total Brought Forward from Page No.	
Carried to Summary	R

Bill No	FINAL SUMMARY	Page No	Amount
1	PRELIMINARIES	19	
2	RENOVATIONS TO KITCHEN AND DINING	30	
3	RENOVATIONS TO HALL	37	
4	RENOVATIONS TO ABLUTIONS AND LAUNDRY	48	
5	RENOVATIONS TO CLASSROOMS	53	
6	RENOVATIONS TO CLASSROOM ABLUTIONS	59	
7	RENOVATIONS TO GUARD HOUSE	66	
8	RENOVATIONS TO INTERPRETIVE CENTRE	78	
9	RENOVATIONS TO MEMORIAL SITE	100	
10	PAINTING TO EXISTING WORK (PROVISIONAL)	103	
11	DOORINGNEK SITE EXTERNAL WORKS (PROVISIONAL)	125	
12	MEMORIAL SITE EXTERNAL WORKS (PROVISIONAL)	139	
13	PROVISIONAL SUMS	145	
14	OCCUPATIONAL HEALTH AND SAFETY	150	
	Allow credit of R 25 000.00 (twenty five thousand rand) for existing materials stored on site to be adjusted as required	Item	-25,000.00
	Allow the sum of R 700 000.00 (seven hundred thousand rand) for contingencies to be adjusted as required	Item	700,000.00
	Carried Forward	R	
	COMPLETION OF ZUURBERG PEACE MEMORIAL		

Bill No	FINAL SUMMARY	Page No	Amount
	Brought Forward		
	Allow the sum of R 1 200 000.00 (one million two hundred thousand rand) for escalation to be adjusted in accordance with the JBCC Contract Price Adjustment Provisions	Item	R 1,200,000.00
	NETT BUILDING COST		R
	ADD : 15% VALUE ADDED TAX		R
	Carried to Form of Tender		
	COMPLETION OF ZUURBERG PEACE MEMORIAL	R	



Part C3: Scope of work
C3 - Scope of work

1 Background To

ECDC Vision

To be an innovative leader in promoting sustainable economic growth and development of the Eastern Cape.

Mission

To promote sustainable economic development in the Eastern Cape through focused:

- a) Provision of innovative development finance
- b) Leveraging of resources, strategic alliances, investment and partnerships.

Legislative Mandate

ECDC draws its mandate directly from the Eastern Cape Development Corporation Act (Act 2 of 1997) and is led by the economic development priorities of the provincial government, as detailed in the Provincial Growth and Development Plan (PGDP), Eastern Cape Provincial Industrial Development Strategy (PIDS), the policy statement and budget speech of the Member of the Executive Council (MEC) of Economic Development, Environment Affairs and Tourism (DEDEAT)

Section 3 of the ECDC Act states that the Corporation shall “plan, finance, co-ordinate, market, promote and implement development of the Province and its people in the field of industry, commerce, agriculture, transport and finance”.

2 Scope of Works

2.1 General description of the works

The description and scope of works, as described hereunder are a general guide only and may be subject to change. No liability or claim will be accepted should this information provided change or be regarded as misleading.

The work comprises the following:

Renovations to the following buildings:

- Kitchen and dining
- Hall
- Ablution and laundry
- Classrooms
- Classroom ablutions
- Guard house
- Interpretive centre
- Tuck shop
- Reception building and memorial site
- Completion of six partially built cabins
- External Works

- Electrical Installation
- Mechanical Installation

2.2 Variation in the Scope of Work

The Client retains the right to omit specific sections of the work prior to signing the contract and in the event that such omissions are incorporated in the contract it is hereby agreed that no claim for loss of profit will be entertained. In addition, tenderers are required to price all work in a "stand-alone fashion" so that profit/mark-up etc are such that omission of any of the tendered works will NOT render the remaining contract work viable.

2.3 Temporary works, etc.

Refer also to Clause 4.2: Enclosure of the Works in the Preliminaries Section of this document.

3. General

3.1 Damage to other services

The Contractor shall assume full responsibility in the event where he or any person in his service is directly or indirectly responsible for any damages caused to other services already installed (water, sewerage, storm water, roads, surveyors' pegs, etc.) Any such damage shall immediately be reported to the Principal Agent.

The Contractor shall be held fully responsible for the repair of such damage to the satisfaction of the Principal Agent.

The costs for the repair of such damage shall be borne by the Contractor. Claims by the Contractor in this connection will not be considered. Should any portion of the works in terms of this Contract, for which the Contractor is responsible, be damaged by other Contractors, the Contractor shall repair such damage at the tendered rate and shall submit full details of such damage to the Principal Agent so that he can recover such costs from the responsible party.

This repair work may only be done on the written instruction from the Principal Agent. The contractor shall make provision for a full scan of the area to determine the position of services in the area.

3.2 Local labour and local authorities

Local Labour:

It is intended that the project must make maximum possible use of local labour which is presently unemployed in the area of which the project is performed.

All unskilled labour shall be from the Local Municipal Supply area.

Engagement of local labour shall be controlled in a formal manner through the client's labour liaison body. It is furthermore expected that the labour liaison body will assist in the monitoring of labour goals.

3.3 Liaison with Local Authorities

The contractor will have to liaise with local authorities regarding the following matters:

- 3.3.1** Locating of existing underground services.
- 3.3.2** Protection of existing services during construction.

It is the contractor's onus to immediately contact all these authorities and to accommodate their involvement in his programme of work.

The contractor should also warn the authorities at least 48 hours before the actual work commence.

Compensation for delays, losses or accidents will not be considered should the contractor at any time have failed to keep the local authorities informed.

The Principal Agent or employer must immediately be notified, should the contractor experience any problem regarding work, which involves a local authority.

3.4 Community Liaison and Community Relation

In all dealings with the community and workers employed from within the community, the Contractor shall take due cognisance of the character, culture and circumstances of the community involved and shall at all times use his best endeavours to avoid the development of disputes and to foster a spirit of co-operation and harmony towards the project.

The Contractor shall at all times, keep the Principal Agent fully informed on all matters affecting the contractor and the community, and shall attend all community meetings relating to the project as may be reasonably required by the Principal Agent.

All matters concerning the community shall be discussed and where possible, resolved at such meetings. Where any resolution of a community meeting shall be contrary to the terms and provisions of the Contract, the Contractor shall not give effect thereto without a prior written instruction from the Principal Agent.

Where the Contractor is of the opinion that any instruction of the Principal Agent issued in terms of this clause will result in the incurring of additional costs which were not provided for in his tendered rates and/or that a delay in the progress of the works will result, he shall be entitled to submit a claim in terms of the conditions of contract.

3.5 OCCUPATIONAL HEALTH AND SAFETY ACT (ACT 85 OF 1993)

Contractors shall meet the health and safety requirements as stipulated in health and safety plan, to be prepared by the Employer's Agent and issued to the contractor.

3.5.1 Safety Precautions

Notwithstanding the fact that the Contractor is solely responsible for the actions of his staff and any duly appointed sub-contractors, the Principal Agent reserves the right for himself, or his nominated representative, to inspect and monitor working methods and materials handling to ensure that safe working practices are being adhered to at all times.

3.5.2 Health and Safety Specifications

Please refer to Annexure A in Part C.4 for the Health and Safety Specification and Baseline Risk Assessment.

A minimum of 30% of the building work needs to be allocated to SMME Sub-contractors. Contractors will be required to supply verified monthly statements/schedules (verified by their auditors) indicating the % achieved for that month. A cumulative schedule also needs to be maintained for each month that has passed.

4.1 Responsibilities and duties

Notwithstanding the fact that a description of the services has been provided above, ECDC shall be entitled to request additional services related to deliverables required to ensure the successful completion of the services set out above on such further terms and conditions as may be agreed between the parties in writing.

The service provider shall at all times faithfully and timely carry out and perform the Services and shall use its best endeavours to properly conduct, improve, extend and develop the business of ECDC in the provisioning of the services.

The Services Provider shall as part of his duties, attend such meetings as may be required by ECDC from time to time and submit weekly or monthly progress reports on the services as may be required and requested by ECDC.

4.2 Obligation to perform and sub-contracting

The bidder shall notify ECDC in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the bidder from any liability or obligation under the contract.

The bidder shall not assign, in whole or in part, its obligations to perform under the contract, except with ECDC's prior written consent.

4.3 Performance guarantee

Within fourteen (14) days of receipt of the notification of contract award, the successful bidder shall furnish to ECDC the performance security of the amount specified above.

The proceeds of the performance security shall be payable to ECDC as compensation for any loss resulting from the bidder's failure to complete his obligations under the contract.

The performance security shall be denominated in the currency of the contract or in a freely convertible currency acceptable to ECDC and shall be in one of the following forms:

A bank guarantee or an irrevocable letter of credit issued by a reputable bank located in South Africa, acceptable to ECDC, in the form provided in the bid documents or another form acceptable to ECDC; or

A cashier's or certified cheque

The performance security will be discharged by ECDC and returned to the bidder not later than thirty (30) days following the date of completion of the bidder's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

Notwithstanding the provisions above, the bidder shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.

4.4 Anti-dumping and countervailing duties and rights

When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, ECDC is not liable for any amount so required or imposed, or for the amount of any such increase.

When, after the said date, such a provisional payment is no longer required or anysuch anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to ECDC or ECDC may deduct such amounts from moneys (if any) which may otherwise be due to the contractor inregard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract orany other contract or any other amount which may be due to him.

4.5 ECDC facilities

Unless otherwise agreed in writing by ECDC, the Service Provider will work from its own office and provide its own facilities, such as transport, telephone, cell phone, fax and computer facilities to perform the services.

The service provider may use certain facilities made available by ECDC to assist in performing the services, including but not limited to computer facilities, telephone and fax facilities and stationery. In this regard the serviceprovider agrees to:

Abide by the health, safety and security measures as prescribed by ECDC from time to time;

To use such accommodation and facilities entirely at his own risk and ECDC shall not be liable for any loss or damage whatsoever and howsoever caused arising out of or in connection with the use of these items, other thanloss or damage caused as a result of ECDC's own wilful misconduct.

4.6 Force majeure

If a force majeure situation arises, the bidder shall promptly notify ECDC in writing of such condition and the casethereof. Unless otherwise directed by ECDC in writing, the bidder shall continue to perform its obligations under the contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

4.7 Insurance

The contractor shall affect and maintain all required and/or necessary insurances in accordance with Clause 12 ofthe **JBCC Series 2000 Principal Building Agreement Edition 6.2 prepared by the Joint Building Contracts Committee, May 2018.**

4.8 Responsibility to perform

Delivery of the goods and performance of services shall be made by the bidder in accordance with the timeschedule prescribed by ECDC in the contract.

If at any time during performance of the contract, the bidder or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services,

the bidder shall promptly notify ECDC in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the bidder's notice, ECDC shall evaluate the situation and may at his discretion extend the bidder's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.

ECDC reserves the right to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the bidder's point of supply is not situated at or near the place where the supplies are required, or the bidder's services are not readily available.

A delay by the bidder in the performance of its delivery obligations may render the bidder liable to the imposition of penalties, unless an extension of time is agreed upon without the application of penalties.

ECDC shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance.

Where necessary, ECDC may also consider termination of the contract in accordance to the requirements of the Construction Agreement conditions applicable for administration of this contract.

4.9 Duration of the contract

The construction project duration is **12 Months** from date of appointment.

The successful Bidder shall be required to complete and submit the signed and duly completed **client recommended Construction Contract**.

Upon any delay beyond the delivery period in the case of a supplies contract, ECDC shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the bidder's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the bidder. (N/A)

4.10 Payment and tax

Payments shall only be made in accordance with the fees as quoted in this documentation. Prices charged by the bidder for goods delivered and services performed under the contract shall not vary from the prices quoted by the bidder in this bid, except for any price adjustments authorized at ECDC's request for bid validity extension, as the case may be.

ECDC will reimburse the service provider for expenses and disbursements incurred subject to the submission of satisfactory proof that such expenses and disbursements have been incurred and subject to it being within the budget as indicated in this documentation.

The service provider shall from time to time during this contract duration furnish ECDC with a VAT compliant tax invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract.

Each invoice must be accompanied by a detailed timesheet and expense claim forms substantiating the amount claimed.

Payments shall be made promptly by ECDC in Rand, but in no case later than thirty (30) days after submission of a VAT compliant tax invoice and supporting documentation by the service provider if the services have been properly executed as agreed.

The service provider shall retain all proof of expenditure and maintain such accounts and records as are reasonably necessary, claimed above, should ECDC require an audit to substantiate that expenditure and allows ECDC's own personnel or an independent auditor access to those records.

Should the above audit reveal that ECDC has been overcharged, the Service Provider will reimburse the ECDC the amount overcharged within 30 days inclusive of interest calculated at prime plus 2% per annum.

A foreign bidder shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Republic of South Africa.

A local bidder shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to ECDC.

C3.4 Health and Safety Specification

PROJECT SPECIFIC OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

FOR
GENERAL BUILDING
MANAGED ON BEHALF OF
(THE “CLIENT”)



PREPARED BY:

Lumcus Training and Consulting PTY Ltd



PROJECT:

**Completion of the construction of the
Zuurberg Peace Memorial Project in Sundays River**

ECDC/INFRA/28/012024

KEY ROLE PLAYERS

Client	Department of Agriculture, Land Reform and Rural Development (DALRRD)
---------------	--

Principal Agent	BNM Architects and Project Managers
Contact	Andrew Pritchard
Contact Number:	041 585 2125
Email address:	andrewp@bnm.co.za

Health & Safety Agent	Lumcus Training & Consulting PTY LTD
Contact	Liza White
Contact Number:	082 307 2592
Email address:	liza@lumcus.co.za

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ANNEXURE D: BILL OF QUANTITIES FOR HEALTH AND SAFETY

PROJECT SPECIFIC OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

LIST OF ABBREVIATIONS

AIA	Approved Inspection Authority
BoQ	Bill of Quantities
CC	Compensation Commissioner
CHS	Construction Health and Safety
CHSA	Construction Health and Safety Agent
CHSO	Construction Health and Safety Officer
CR	Construction Regulations (Gazette 10113 of 07/02/2014)
DALRRD	Department of Agriculture, Land Reform and Rural Development
DMR	Driven Machinery Regulations
DoL	Department of Labour
FEMA	Federated Employers Mutual Association
GAR	General Administration Regulations
GSR	General Safety Regulations
HCSR	Hazardous Chemical Substances Regulations
HIRA	Hazard Identification Risk Assessment
H&S	Health and Safety
ER	Engineer's Representative
LI	Labour Intensive
OH	Occupational Health
OHS	Occupational Health and Safety
OHSA	Occupational Health and Safety Act No. 85 of 1993 (as amended)
OHSS	Occupational Health and Safety Specification
PA	Principal Agent
PSHSS	Project Specific Health and Safety Specification
PC	Principal Contractor
PPE	Personal Protective Equipment
SANS	South African National Standards (Authority)
SDS	Safety Data Sheet
SMME	Small, Micro, Medium Enterprise
SWP	Safe Work Procedure
ECO	Environmental Control Officer
DMA	Disaster Management Act
MDSD	Material Safety Data Sheet

DEFINITIONS

The definitions used will be those set out in the Regulation Gazette No 84 of 2014 7 February 2014 with the following additions:

Client: Department of Agriculture, Land Reform and Rural Development

Construction Health and Safety Agent:

A competent person appointed by the Client to carry out the duties of the Client in respect of Occupational Health and Safety on the Project in terms of Regulation 5 sub regs (5) and / or (6)

DALRRD: Department of Agriculture, Land Reform and Rural Development

Designer: Means a competent person appointed by the Client as Agent to design, supervise and monitor construction on their behalf.

Hazard: Source of exposure to danger

Hazard Identification and Risk Assessment (HIRA) and Risk Control:

Means a documented plan, which identifies hazards, assesses the risks and details the control measures and safe working procedures which are to be used to mitigate and control the occurrence of hazards and risks during construction or operation phases.

Health and Safety Agent:

Means any person who acts as a representative for the Client in managing the overall health and safety work as their responsible person.

Health and Safety Plan:

Means a documented plan which answers to the Site specific Health and Safety Specification; including all the supporting documentation that indicate how the Principal Contractor or Contractor plans to manage H&S for the duration of the Contract.

Induction Training:

Means once off introductory training on general health and safety issues given to all employees and visitors to the site before commencement of work on site.

Principal Agent:

Means a competent person appointed by the Client to design, supervise and monitor the construction on their behalf.

Risk: Means the probability or likelihood that a hazard can result in injury or damage.

Regulation/s:

Shall mean the relevant regulation/s promulgated in terms of the Occupational Health and Safety Act, No. 85 of 1993.

Site: Means the area in the possession of the Principal Contractor for the construction of the works. Where there is no demarcated boundary it will include all adjacent areas, which are reasonably required for the activities for the Principal Contractor, and approved for such use by the Designer.

The Act: Means, unless the context indicates otherwise, the Occupational Health and Safety Act, No. 85 of 1993 and Regulations promulgated thereunder, as amended.

Worker: means any person who works in an employer's workplace including an employee of the employer or contractor, a self-employed person or volunteer 3;

Workplace: means any premises or place where a person performs work;

KEY REFERENCES

Occupational Health and Safety Act No. 85 of 1993 and Regulations (as amended)

Compensation for Injury and Occupational Diseases Act No. 100 of 1993 (as amended)

Joint Building Conditions of Contract (JBCC)

Construction Specifications & Standards 6.0 for Southern Africa. Hans Wegelin 6th Edition 2010

SANS Code 10400

Sector Guidelines

Municipal By Laws

SCOPE OF WORK:

The project consists of two sites, Dooringnek and Memorial site.

The Dooringnek site is composed of several buildings:

- Building 1-6, Accommodation Cabins - Semi-Constructed
- Building 7, Accommodation Cabins - Still to be constructed
- Building 8, Existing Main Ablutions - Minor maintenance and completion
- Building 9, Existing Kitchen and Dining Hall - Minor maintenance and completion
- Building 12, Existing Hall - Minor maintenance and completion
- Building 13, Existing Classrooms - Minor maintenance and completion
- Building 14, Existing Ablutions - Minor maintenance and completion
- Building 15, Existing Tuck Shop - Minor maintenance and completion
- Building 16, Interpretation Centre - Semi-Constructed
- Building 17, Guardhouse, shops and toilets - Minor maintenance and completion
- External works – Semi constructed - Mainly Civil Works

The Memorial site is composed of:

- Reception – Semi-Constructed
- Memorial site – Semi-Constructed
- External works – Semi constructed - Mainly Civil Works

1. PREAMBLE

Each year fatalities, serious injuries and poor attitudes of Contractors mar the reputation of the Construction Industry. DALRRD has a responsibility to limit its risk by ensuring a zero tolerance and better practice approach to Contractors and those affiliated to a particular project. Thus a high premium is placed on the health and safety (H&S) of DALRRD stakeholders, which include its employees, professional service providers, public and its physical assets. The responsibilities that the Department and relevant stakeholders have toward its employees are captured in, but not limited to this document. The responsibilities stem from both moral, civil and a variety of legal obligations. The Principal Contractor is to take due cognisance of the above statement.

DALRRD, as the Client and where there is an appointed CHS Agent on its behalf, shall provide a project specific Health & Safety Specification (PSHSS) for the project and provide the Principal Contractor/s making a bid or appointed to perform construction work for the project, or parts thereof.

1.1 Purpose of the Project Specific Health and Safety Specification (PSHSS)

The PSHSS is a performance specification to ensure that the Client and any bodies that enter into formal agreements with the Client viz. Agents, Professional Service Consultants (Engineers, Quantity Surveyors and Architects), Principal Contractors and Contractors achieve an acceptable level of OHS performance. No advice, approval of any document required by the PSHSS, such as hazard identification and risk assessments, or any other form of communication from the Client shall be

construed as acceptance by the Client of any obligation that absolves the Principal Contractor from achieving the required level of performance and compliance with legal requirements. Furthermore, there is no acceptance of liability by the Client, which may result from the Principal Contractor failing to comply with the PSHSS, i.e. the Principal Contractor remains responsible for achieving the required performance levels.

A Mandatory Agreement in terms of Section 37.2 of the OHSA will be signed between parties prior to any works commencing.

The PSHSS highlights the aspects to be implemented over and above the minimum requirements of current legislation. Requirements may be changed should new risks or issues are identified that could not have been foreseen during the design phase of the project, or during the construction phase. Any new legislation or standards (legislated, or determined by the DALRRD) that are promulgated or accepted during the contract will automatically be applied.

Environmental management shall receive due attention as per the requirements of the Environmental Control Officer (ECO), but will be managed by the ECO directly.

It should be noted that this OHSS in no way relieves the Contractor of any of his responsibilities set out in the Act and Regulations.

1.2 Implementation of the Project Specific Occupational Health and Safety Specifications (PSHSS)

The project specific H&S specification (PSHSS) forms an integral part of the Contract, and PCs are required to make it an integral part of their Contracts with Contractors and Suppliers. A PSHSS will be available for each level of Contract and Contractor and must be complied with.

This specification must be read in conjunction with the OHSA, Regulations (as amended) and any other standards relating to work being done and ensure compliance thereto. The information relative to the scope of the project, the works etc. are detailed in the tender, are to be considered when developing the H&S plan and associated documentation. The summary of risks is included in Section 2 of the PSHSS.

The OHSA S.37.2 Mandatory Agreement must be fully completed by the PC, supplied by the Client. These documents shall be deemed to form part of the returnable Contract Documents.

No work may commence without written approval of the H&S plan by the CHS Agent, or the responsible person in DALRRD as well as the approval of the Construction Work Permit from the Department of Employment and Labour.

Should there be design changes, or change in the scope of works, an amended PSHSS may be issued. Where amended PSHSS are issued, the PC will be required to ensure a resubmission of an amended H&S plan for approval. Further to this, the PC must ensure that similar information must be provided as it applies to the works to all their Contractors, within 5 working days following notification thereof. Such design changes.

The CHS Agent will visit the project as deemed necessary by the Designer and the CHS Agent to ensure compliance and limit risk. All activities on the site and all appropriate documentation will be monitored and reported on to the Client and the Designer.

Non-conformances will be issued, and penalties or work stoppage will be issued where appropriate. Communication between the CHS Agent and the PC will be through the Designer (or Client's responsible person) as determined at the commencement of the project.

1.3 Requirements at Tender Stage

Tenderers are required to submit a project specific pre-tender H&S plan with their Tender submission. The documentation submitted will be used to assess the competence of the tenderer, as required in the CRs, therefore the information submitted needs to be complete and as close as possible to the final product.

Adequate pricing for H&S is required, and the appropriate section in the BoQ is to be completed. Failure to do so could result in the Tender being regarded as non-responsive.

The PC shall ensure adequate information is submitted as supporting documentation with his completed Tender. Such information will be assessed against the criteria listed and a score provided to the Bid Award Committee (BAC) for consideration. Failure to provide such information could render the tender application non-responsive.

A project specific H&S Plan in response to this PSHSS will be subject to approval by the CHS Agent. This must include all supporting documentation as required to verify the H&S system:

- A declaration to the effect that the Principal Contractor has the competence and necessary resources to carry out the work safely in compliance with the Occupational Health and Safety Act and its Regulations;
- A valid Letter of Good Standing;
- Incident Investigation Reports for other projects of a similar nature undertaken by the tenderer
- Claims ratio receipt from FEM or the Compensation Commissioner for the previous review period;
- Detailed technical method statements for approval by the Designer and appropriate risk assessments and safe work procedures for approval by the CHS Agent or Client:
 - Site establishment including:
 - Clearing and grubbing;
 - Exposure of services, power, telecommunication etc.;
 - Arrangements for hoarding,
 - Demarcation and hoarding between construction activities and the operational buildings and offices;
 - Demolishing existing structures;
 - Excavating
 - An emergency plan indicating how and where emergencies will be handled.
 - Working at heights

Further method statements are to be submitted prior to, and during the project where changes or new work is required, and the approval of the Designer/Client is required before work on that aspect or activity can commence. The CHS Officer is to be included in production planning sessions/meetings to ensure that the appropriate risk assessments, safe work procedures and communication required are available and completed timely.

2. GENERAL REQUIREMENTS

2.1 Summary of Risks identified during Design

The intention of the summary of findings from the design baseline risk assessment is to highlight the residual risks identified during the design phase. The full design risk assessment can be found in the tender document.

The summary of risks provided is to point the contractor towards some risks he may not be aware of during tendering stage and while developing his formal risk assessments for the project.

The design risks and the management thereof should be included in the Principal Contractors (PC) risk assessments. Where there are other Contractors appointed to do work, the PC is to ensure that Contractors include such information in their risk assessments.

2.2 Specified Hazardous Chemical Substances

Specified Hazardous Chemical Substances are those which have been identified as likely to be used on the project. Where the PC is likely to supply the product as the product has not been specified, materials data sheets (MDSs) need to be considered prior to all selections.

3. OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

3.1 Structure and Organization of H&S Responsibilities

3.1.1 Application for a Construction Work Permit

The Client (DALRRD's) appointed Health and Safety Agent must acquire a "Construction Work Permit" from the Department of Labour

Work may not commence without the "Application for a Permit to do Construction Work" form being completed by the Client and accepted by the Department of Labour Office. This includes, *inter alia*, the Contractor's Health and safety Plan as accepted by the Client.

It should be noted that this OHSS in no way relieves the Contractor of any of his responsibilities set out in the Act and Regulations

The provincial director at the Department of Labour will issue the permit in writing to perform construction work within 30 days of receiving the construction work permit application and must assign a site-specific number for each construction site.

The contractor must ensure that the site-specific number issued by the Department of Labour must be conspicuously displayed at the main entrance to the site for which that number is assigned.

4. HEALTH AND SAFETY PLAN FRAMEWORK

The H&S aspects related to the project outlined in the previous sections are to be taken into account when drawing up the H&S Plan. The PC is required to demonstrate competence by providing an H&S system that will address the requirements of the project.

The current legislative requirements, SANS codes, SANS 10400 and any other standards that may guide practice are to be taken into consideration. The following aspects must be addressed in the H&S Plan, as they have been identified in section 2, as playing a role in reducing the overall risk of a particular activity, or section of the project. The CHS Agent may from time-to-time request additions or systems as they relate to the works or legislative requirements at the time.

The PC is to prepare a site layout drawing to indicate at least the following:

- The positions of site offices of all Contractors, toilets, drinking water and worker rest areas;
- Indicate the positions of emergency personnel and equipment (fire, first aiders, first aid posts);
- Protection of plant and pedestrians, indicate parking, and

- Storage areas (materials and equipment, waste etc.)
- Access and egress to site for deliveries and intended temporary traffic management.
- Emergency assembly point

Such layouts are to be updated regularly throughout the project.

4.1 Appointment of Competent Site Personnel

The CEO (OHSA S16.1) of the PC will take overall responsibility for the appointment of competent site staff for the duration of the project. Should the CEO not be personally involved in the project, the H&S responsibilities are to be delegated to the Site Agent (OHSA 16.2). Knowledge and training in H&S is required, and certificates indicating H&S training as well as experience to be included in CVs.

All other legal appointments are to be made with relevance to the type of work required and kept current with the project programme. The construction team is to ensure the appointed CHS Officer is kept up to date with all planned activities, to ensure all H&S requirements are met.

All construction/technical method statements are to be generated by senior site personnel, and the appropriate risk assessments developed therefrom in conjunction with the CHS Officer.

The Occupational Health and Safety Plan shall include the following, but is not limited to the following key appointments:

4.1.1 Construction Supervision

Competent Construction Managers (CR8.1) will be appointed to manage part or all of the works and have training and/or experience in the area of responsibility. The Construction Manager may not hold any other position on the site staff. All site supervisors must show evidence of appropriate training in H&S, and an understanding or training in areas of responsibility (i.e. risk assessments, method statements etc.).

Multiple competent Assistant Construction Managers (CR8.2) may be appointed where justified by the scope and complexity of the works.

Curriculum Vitae (CVs) are to be submitted for approval by the Designer, and/or Client. The Supervisor will be held responsible for the safety of working teams and subordinates, housekeeping and stacking and storage of materials.

If the Construction Manager (CR8.1) changes throughout the project. The Principal Contractor must notify the client as well as the Department of Labour two weeks prior to commencement of work activities by means of a new Annexure 1, Appointment letter as well as proof of competency.

4.1.2 Construction Health and Safety Officer

The PC will employ at least one competent, full-time CHS Officer (CR8.5) for the duration of the contract. The CHS Officer's CV is to be submitted for approval by the CHS Agent or the Client, at time of tender. The PC is to ensure adequate resources are provided in order to undertake all responsibilities (i.e. mobile phone, computer and internet access, vehicle etc.) Qualifications shall include at least Grade 12 SAMTRAC/Diploma in H&S qualifications or similar, with exposure to civil engineering and building that is appropriate given the level of project complexity preferably in an OHS capacity. He should also have undergone training in the Act and Regulations. In the case of a contract where contractors are employed, the CHS Officer must have a competence to evaluate the Contractors Health and Safety plans.

Proof of Full registration as a Construction Health and Safety Officer with SACPCMP must be supplied ie: SACPCMP Letter of Goodstanding.

This person may not hold any other position on the site staff.

The site supervisor may not act as the CHS Officer.

The CHS Officer/s will be held responsible for all H&S on the project.

- Senior site staff and supervision, Contractors are to follow systems, instructions etc. given by the CHS Officer at all times;
- No new Contractors may commence work without approval or following the H&S plan as submitted, and
- No inductions of Contractor staff until the H&S documentation is approved by the CHS Officer.
- The CHS Officer/s may not be removed or replaced without the approval of the CHS Agent, nor may the site be left unattended for more than 1 day without adequate, competent cover.

A monthly report of all H&S activities and incidents is required by the end of the first week of each month, or at a date agreed to by the CHS Agent/Client and the CHS Officer. An example of the monthly report is attached as an Annexure C.

The CHS Officer will be responsible for collating the H&S documentation at the close out of the project in electronic format. A list of the typical aspects that should be provided is available as Annexure B to this document. The PC is to ensure that all Contractors documentation follows the same requirements and closed out H&S documentation must be completed and be available with the close out of the main contract in electronic format.

If the CHSO is replaced the Principal contractor is required to submit the following documentation for approval by the Client and appointed Pr. CHSA at least two weeks before as the Department of Employment and Labour will need to be notified of any changes in this appointment on site:

1. Applicant CV
2. Applicant Competency
3. SACPCMP Letter of Goodstanding

Failure to do so will be considered a serious offence and penalties /stoppage of site will apply.

4.2 Health and Safety Representatives and H&S meetings

H&S Representatives representing workers and Contractors are to be appointed following the startup of the project, irrespective of the number of workers on site. The appointed H&S Representatives are to be actively involved with H&S and will assist the CHS Officer and site management in meeting legislative duties.

The CHS Officer shall further ensure that H&S is discussed at all internal production or progress meetings. Issues arising from the CHS Agent audits are to be discussed, as well as all H&S related issues.

Minutes are to be kept for all H&S interventions and meetings. Failure to do so will be deemed to be a moderate offence.

4.3 Appointment of Competent Contractors

The Principal Contractor is to ensure compliance with the Client's minimum standards and all legislative requirements. The same H&S standards required of the PC are to be applied to all Contractors. An index of all Contractors and Suppliers is to be on file and kept updated at all times. The PC is to ensure there is sufficient funding for H&S compliance by each Contractor.

The following minimum aspects are applicable to any Contractor appointed:

- The CHS Officer is to ensure a Contractors appointment and approval of H&S documentation at least seven (7) working days prior to commencing work.
- The contractor should take note of the required workload of the appointed CHSO in relation to the appointed SMME's
- No Contractor may work under the PC's Compensation registration number. If required, the PC may assist SMMEs with their registration with the Compensation Commissioner. However, such Contractors will not be able to commence work until proof of registration or Letter of Good Standing has been received.
- No work may commence without Mandatory agreements between parties in place.

The following aspects are applicable to Suppliers or short-term works (surveying, repairs, servicing, deliveries etc). Cognisance is to be taken of the level of risk involved and the CHS Officer is to ensure the level of H&S documentation is appropriate:

- Signed Mandatory agreements in place
- Valid Letter of Good Standing
- Method statements and risk assessments
- Available information relative to:
 - Load testing and registers for cranes or lifting devices
 - Medical certificates of fitness
 - Safety data sheets (SDSs)

Failure to provide written approval of H&S documentation will be considered a serious offense, and could result in aspects of, or all the activities being stopped, and penalties implemented.

5. GENERAL RISK MANAGEMENT

5.1 Health Risks and Medical Surveillance

As some products use in the building work have not been identified, the PC is to ensure the CHS Officer and all supervision is responsible for ensuring the safe use of such products, and their inclusion into method statements and risk assessment. The appropriate SDSs are to be obtained for all products and used to develop the H&S documentation as they relate to the works.

Many of the processes may be labour intensive and ergonomic risks are to be noted. All workers (including Contractors) are to be included in the medical surveillance programme.

Workers will be exposed to noise, dust, and physical risks from extended periods of work of a repetitive nature, materials specified and the general nature of the works.

Environmental monitoring results and risk assessments are to be made available to the occupational health professionals doing the medical surveillance. The use of occupational risk exposure profiling (OREPS) and job descriptions are to be used to determine specific exposures for management.

All permanent workers (including those of Contractors) are required to be in possession of a medical certificate of fitness prior to commencing work.

Medical surveillance will commence at pre-employment. All workers (including Contractors) are required to be in possession of a medical certificate of fitness prior to commencing work. Annual medical surveillance is required (unless identified as being required more frequently), as well as an exit medical. Arrangements for keeping medical records for the required time are to be noted. It is preferable that the PC has a medical surveillance plan. Full medical records are not to be placed in the H&S file. A procedure for managing the medical records which require safekeeping for prescribed periods are to be addressed.

. Given the potential health risks the following aspects are to be included in each medical surveillance intervention:

- Full medical, surgical and occupational history;
- Full physical examination of all systems; and
- Referral if required for the management of identified health issues that may affect the worker.

Specific testing for existing conditions and limitations relative to exposure could include, but are not limited to:

- Audiometry (hearing tests); and
- Any other tests identified as relevant from chemical or specifically identified risks of exposure.

No employee/ contract worker will be allowed on site without a valid medical certificate of fitness.

Any person who contracts the Covid-19 virus may need to be reported to the Compensation Commissioner as an occupational disease where their work is to monitor and in contact with others. Such details are provided in the Compensation for Injuries and Diseases Act (COIDA).

Failure to do so will be considered a serious offence.

5.1.1 General Environmental Conditions

Compliance with the Environmental Regulations (as amended), among others is required.

Environmental monitoring of ventilation, lighting and dusts may be deemed to be required by the Approved Inspection Authority used to measure the environment. Copies of the relevant reports and actions taken in respect of these are to be placed in the H&S file.

Testing and reporting for airborne silica as required by the 2008 amendment to the HCS Regulations is required.

5.1.2 Noise Risks

All plant from plant hire companies (suppliers) or that of the PC is to be compliant with the Noise Induced Hearing Loss Regulations. Plant identified that has not been tested and marked for noise emissions will result in having to be tested at the Contractors or PCs expense. Failure to do so within a reasonable time period will result in such plant being removed from site.

Audiometric testing of all workers is noted as required in the medical surveillance programme for all permanent workers prior to work commencing. Temporary labour working in identified noise areas will require testing if the noise levels are indicated on plant or through processes as greater than 85dB. Audiometry records are to be available in the H&S file.

Suitable SANS approved hearing protective equipment shall be issued and worn. Where several items of construction plant are in operation at or near to each other, the noise zone for the combined plant should be established and suitable hearing protective equipment used within this zone. Failure to do so will be considered a serious offence.

5.2 Emergency Procedures

An emergency plan and procedure that is appropriate to the risks is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow. The plan may be adapted should new information or risks are identified.

The contractor will take into consideration the existing emergency plan and procedures of the Existing Institute.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

- Appointment of a competent emergency response co-ordinator
 - Fire;
 - Public injury, Motor vehicle accidents;
 - Falls from heights;
 - Serious injury to workers (medical or work-related); and
 - Any other major risks identified during risk assessments
 -

Drills to be conducted annually for the below:

- Fire drill
- Bomb threat
- Fall from Heights Rescue procedures

The emergency plan is to ensure the inclusion of local service providers where possible. Such arrangements should be made with these persons prior to the commencement of the project.

Local emergency telephone numbers must be displayed and made part of the emergency procedure.

- First aid
 - Extra gloves, and disinfectants are to be available, first aiders are to be issued with at least FFPT2 masks should they be required to respond.
- Evacuation plans

The general principals of emergency management are to be applied as it applies to the hierarchy of control and management.

5.2.1 First Aiders and First Aid Equipment

At least 1 first aider will be trained to Level 3. First aiders shall be available and accessible on site at all times and be able to work as a team when responding to any emergency on the project.

Contractors are expected to ensure compliance and provide/manage their own first aiders and equipment. The number of First aiders will be determined by the complexity and exposed risks of the project, not numbers of workers

Appropriately stocked first aid kits, at least to the requirements of the Annexure to the GAR, are to be available at all times to assure continual availability and access on site.

5.2.2 Fires and Emergency Management

Attention to emergency planning and procedures is very important. The full emergency plan must form part of the supporting documentation with the H&S Plan. The CHS Agents approval of all emergency plans and procedures is required prior to commencement on site. It is advised that the system should be simple and easy for any worker to follow. The plan may be adapted should new information or risks are identified.

First aiders shall be available in each working team and be able to work as a team when responding to any emergency on the project.

The procedure shall detail the response plan in relation to the works, and include at least (but are not limited to) the following key elements:

Appointment of a competent emergency response co-ordinator and wardens;

- Lists of first aiders, and
- Requirement in terms of identified risks:
 - Fire;
 - Explosions;
 - Falls from heights, and
 - Motor vehicle accidents.

The emergency plan is to ensure the inclusion of local service providers where possible. Such arrangements should be made with these persons prior to the commencement of the project. The emergency plan is to include the risk of fire on site and related to any specific activities where gas, welding, cutting etc. occur.

Fire extinguishers will be appropriate for the risk and in sufficient numbers to deal with the type of fires that could occur. All mobile plant is to have appropriate, accessible fire extinguishers. Hot work permits are required for any such activities.

5.2.3 Incident Management and Compensation Claims

All incidents and accidents are to be investigated. All serious incidents involving any form of disabling injury or fatality are to be reported to the Designer /Client /CHS Agent immediately. This shall be confirmed in writing following the incident. Full details are to be included in each site meeting or when the Client visits site. A summary of incidents is to be included in the monthly report.

Any person who contracts the Covid-19 Virus may need to be reported to the Compensation Commissioner as an occupational disease where their work is to monitor and in contact with others. Such details are provided in the Compensation for Injuries and Diseases Act (COIDA).

Failure to comply with emergency provisions will be considered a serious offence, and the operation or project may be stopped if deemed inadequate for the work at the time of assessment or site inspection.

5.3 Personal Protective Equipment (PPE) and Clothing

The PC is to provide a procedure as an addendum to indicate how PPE is managed within the Company.

The wearing of the identified SANS approved PPE. The PC shall ensure that all workers (Including Contractors) are issued with and shall wear:

- Hard hats;
- Protective footwear;
- Dust Masks
- Hand Gloves

It is preferable that surgical gloves are not worn unless indicated and workers trained in the proper use thereof. Gloves must only be used when the activity demand the wearing of specific type of hand gloves. This will be directed by the PC risk assessment.

- Site office personnel need to be made aware of the risks in the office environment, this include to handling of documents and plans. These employees could be issued with the appropriate hand gloves or sufficient hand wash / sanitising facilities must be available in the site office.
- Overalls that ensure worker visibility.

All employees must be issued with 3 overalls (1 overall wearing; 1 overall in the wash and one as the backup). This will ensure that the employee will be able to wear clean hygienic overalls.

- Eye protection (if required)
- Hearing protection;
- Reflective jackets (no bibs)
- Harnesses (working on heights)
- Respiratory protection (minimum of FF2), and

- Any other necessary PPE identified from SDSs and/or risk assessments.

Adequate quantities of PPE shall be available. This shall include necessary PPE for visitors. The procedures for managing PPE are to be in a formal procedure submitted with the H&S plan for approval.

Any person (including Client, Designers etc.) found on site without the necessary PPE will be removed from site until the PPE is supplied and worn.

Failure to comply will result in penalties being applied.

5.4 Occupational Health and Safety Signage

On-site H&S signage is required. Signage shall be posted up at fixed or temporary working areas, or other potential risk areas/operations. These signs shall be in accordance with the requirements of the General Safety Regulations or SANS requirements as amended. Signage is to be noted on the site drawings indicating where fixed/temporary signage is required.

Temporary signage is to include (but not be limited to) the following:

- Report to site office/ 'Warning: Construction Site – Keep out' or similar;
- Site office
- hard hat area or other PPE requirements noted;
- First aid box positions (including vehicles); and
- Fire extinguishers.
- Assembly Area

Signs shall be posted at areas of work on site indicating that a construction site is being entered and that persons should take note of H&S requirements.

Note should be taken that "omnibus" signs indicating that the entire site requires PPE should not be used. Any areas where PPE is mandatory must be separately signed.

The Principal Contractor must ensure that members of the public will not be able to gain access to the construction area.

Failure to comply will result in penalties being applied.

5.5 Induction of Employees and Visitors, General H&S Training

A simple, formal induction programme is to be submitted as an addendum for approval with the H&S plan. Inductions must be carried out for all workers and visitors (including Client, Designers) to the site.

Pre-task training is required to ensure workers are familiar with the risks and H&S measures of the work or tasks to be done. Such training is to be done at least daily. Records of inductions and pre-task training are to be kept in the H&S file.

Any person found on site without proof of induction in the H&S File will be removed from site until the proof is supplied and, and a penalty issued per non-compliance.

5.6 Management of Plant and Equipment

Close control of plant and equipment is required, including that of Contractors. It should be noted that control measures should be implemented especially between the two site areas and should at all times be separated from the Institute employees' persons and vehicles.

Daily monitoring of all plant and equipment is required prior to commencing work. Full lists of hired and own plant are to be available at the CHS Agent's/Client audit. All daily inspection records are to be kept in the H&S file. Plant Hire and Haulage Contractors are to comply with the requirements where plant and equipment is brought onto site. Registers are not to be more than 1 week behind.

Only competent, fit plant operators are to be used. Medical certificates of fitness are required for all operators.

Any plant or slings used to lift plant or material require annual load testing by an AIA, and all certificates must have the testers LMI/E number. Operators are to be adequately trained and certified to operate mobile cranes or crane trucks. Certificates and registers are to be placed in the H&S file.

Movement of plant in closures and in confined working areas is to be closely monitored and managed by the supervisors. The blind spots of plant are to be taken into account and workers and Contractors protected accordingly.

Failure to do so will be considered a serious offence.

5.7 Excavations

A procedure for managing excavations is to be provided as an addendum to the H&S plan describing how excavations are to be managed.

Excavation method statements are to be approved by the Designer and associated risk assessments are required. Designs by competent persons are required where ground conditions are deemed to require shoring.

A competent person is to be appointed for managing all excavations. A permit system is to be available and used for all excavations. All equipment and ground conditions to be checked daily, and prior to work commencing.

Excavations should preferably not be open beyond what can be closed daily. Where excavations need to remain open, all excavations are to be properly protected. Adequate stakes with 1m high demarcation and berms/spoil are required to be a safe distance from the edge of the angle of repose.

Candy tape may not be used to demarcate excavations. Cognisance is required of the surrounding area and increased levels of protection are required where work is in communities, near schools and clinics.

Work will be stopped, and penalties applied to any work in excavations that is not compliant.

5.8 Working at heights

A fall protection Rescue plan is to be available and supplied as an addendum to the H&S plan. The fall protection plan must be appropriate for the project. Method statements, appropriate risk assessments, safe work procedures and training are to be available prior to work commencing.

Construction drawings shall be required for all temporary structures as they relate to the project. The drawings shall be accompanied by full calculations, design loads and any relevant test results as required by the SANS code and ensure adequate allowance for the development of appropriate documentation and training. All drawings are to be checked and signed by a competent structural engineer (registered with ECSA).

The focus for working at height shall include fall restraint systems where possible except during assembling or dismantling top components or where it is not deemed safe. The relevant SANS codes are to be applied as they apply to the works and the project, such as:

- SANS 10085

- SANS 10333 (parts 1-3)

Should part of the works be contracted out, competent Contractors are to be appointed and submit documentation according to the project requirements. The PC is to note if such work is to be contracted to specialists in the H&S Plan. The plan is to be developed and work managed by a competent person for the duration of the project. The following aspects must be included:

- The public or users of buildings are to be protected at all times by way of hoarding, barricading or fencing
- Notices to be posted
- Restrictions or stoppage when weather conditions are deemed hazardous
- Permit system for working at heights
- Prevention of falling tools or equipment
- Link to emergency plan regarding rescue

All workers are to be in possession of valid certificates of fitness that extend for the duration of the works. Note the requirements in the section relating to medical surveillance

Registers and all relevant documentation are to be placed in the H&S file.

Work will be stopped, and penalties applied to any work at heights that is not compliant.

5.9 Cranes and lifting equipment

Should any form of lifting device or crane (fixed or mobile) be used during the project for deliveries, moving of supplies or equipment, the appropriate documentation must be made available. Method statements, risk assessments, safe work procedures and training are to be available prior to work commencing. A procedure for managing loads and lifting must be made available as an addendum to the H&S Plan.

5.10 Temporary Works (Scaffolding, support work, formwork)

Temporary works must be properly designed and signed off by a competent person. In these instances a competent person is defined as a Professional Engineer or Professional Technologist (registered with ECSA) who has sufficient experience in the design of the type of temporary work in question to be able to assess the design. The appropriate competent persons are to be appointed to manage and monitor such works to the satisfaction of the Engineer and CHS Agent. Records and registers are to be properly completed and kept in the H&S file. If temporary works are to be erected by a Contractor, this must be notified to the Designer/CHS Agent. All necessary calculations and drawings of temporary works must be kept on site and available to the PA and CHSA

Failure to do so will be considered a serious offence.

5.11 Demolition

Care is to be taken during demolition of walls; a stability survey should be carried out. All rubble to be disposed on a regular basis and at a controlled refuse site.

Demolition plan to be submitted by the Principal Contractor for approval before any demolition commences.

5.12 Mechanical installations

All mechanical installations are to be carried out in conformity with the manufacturer's instructions. Method statements and risk analyses must be compiled for each type of installation. A competent person must be designated to supervise the work.

5.13 Auditing

Frequency of external auditing by the CHS Agent or Client will be as agreed with the Client and Designer but will at least conform to the requirements of the Construction Regulations. The site will be inspected, and the documentation audited relative to the activities and H&S plan. The CHS Officer of the PC must accompany the Client, or the CHS Agent, on all audits and inspections. Not all audits will be, or need be announced.

The PC will ensure that all their Contractors are audited at a frequency determined by the CHS Agent. Audit frequency may be increased if Contractors are not performing adequately. Audit results will be acted upon and non-conformances and penalties issued where deemed appropriate. The Client, Designer or CHS Agent may act or require further outcomes if non-compliances are noted or unsafe acts are noted on site.

Internal audits are to include site conditions as well as ensuring H&S files are appropriate, and compliant. Comprehensive audit reports are to be made available, the format of the audit reports are to be acceptable by the CHS Agent.

The PC will be audited using a template as supplied in the tender document. The audit template will be adjusted from time to time relative to the activities on site. A similar process is to be used by the PC when auditing their Contractors on site. Compliance with legislative requirements and the systems provided by the PC to manage the H&S on site will be measured. Full compliance is required. Time limits for corrective actions will be set and must be adhered to.

Failure to address findings or non-conformances will be considered a serious offence.

5.14 Communication on Site

All H&S communication during the project between the CHS Agent and the PC will be done through the Architect/Clerk of Works/Client and be in writing, including the issue and responses to non-conformances and H&S audit results.

Failure to address issues timeously will be considered a serious offence.

5.15 Care of Workers on Site: Access/Egress of Site / Welfare Facilities

Welfare Facilities

Adequate toilets, clean, safe drinking water and decent shelter must be afforded workers at all times. Toilets will be within reasonable distance of workers, or placed with each working team in safe, with reasonable privacy. Arrangements made where existing facilities are shared with existing users must be made in writing and placed in the H&S file. No substances containing Formaldehyde may be used in Chemical Toilets.

Ablution facilities are an essential facility that must be available for workers across a site. Facilities are a high-risk area and increased cleaning regimes are required to be introduced. A policy on how this

will be done is required, that will cover both portable and permanent facilities. The following are considerations, that include, *inter alia*:

- Portable toilets to be provided at a 1:30 ratio but be sanitized daily as per Occupational Health and Safety Measures in Workplaces or more frequently
- Cleaners to continually clean and have a formal cleaning regime
- Hand washing facilities (soap and water, paper towel) to be available where possible, and if not, to provide hand sanitizer
- Induction training to educate to ensure all users are hand washing correctly
- Flush toilets preferably 1:30 unless increased cleaning regime present;
- Restrict the number of people using toilet facilities at any one time e.g. use a welfare attendant;
- Wash hands before and after using the facilities;
- Enhance the cleaning regimes for toilet facilities particularly door handles, locks and the toilet flush;
- Portable toilets should be avoided wherever possible, but where in use these should be cleaned and emptied more frequently;
- Provide suitable and sufficient rubbish bins for hand towels with regular removal and disposal that need to be managed as hazardous waste;
- Introduce staggered start and finish times to reduce congestion and contact at all times;
- Consider increasing the number or size of facilities available on site if possible

Access/Egress

The PC is to ensure there is suitable access control is established and adequate provision to minimize the risk of persons unauthorized persons entering the construction the site.

Failure to ensure compliance will be considered a serious offence.

5.16 Discipline, Alcohol and Substance Abuse

All employees (management included) are to follow instructions given in the interest of H&S. Disciplinary action is to be imposed on those who do not follow such instructions or company rules or policies.

No person is allowed to work or access site if under the influence of alcohol or other substances that could impact on their own or others safety. The PC is to have a drug and alcohol policy available to manage such instances.

These requirements are applicable to any employee of any organization providing services on site. Penalties may also be applied by the Client, OHS Agent or Engineer.

5.17 Electrical Equipment

In addition to the requirements of the Electrical Machinery Regulations and the General Machinery Regulations any electrical distribution board used for construction work shall be fitted with suitable earth leakage protection. Leads must be properly and firmly connected. Plugs and sockets shall be in good and safe condition.

All electrical apparatus, other than electrical hand tools, shall have a physical "lock out" system which will prevent any operation other than that authorized by a supervisor. A "lock out" sign shall be displayed when the apparatus is not in use.

Method statements and safe work procedures will be required for all work involving electrical apparatus.

Failure to ensure compliance will be considered a serious offence.

6. HEALTH AND SAFETY FILE

The documentation submitted and approved following the awarding of the contract will be used to form the H&S file. The H&S file is required to be laid out in a logical manner, and documentation filed within the file is to be easily accessible.

The following completed information shall be included (but not be limited to) as part of the index:

- The PSHSS;
- The H&S Plan and the approval by Client;
- Appointment by Client;
- Mandatory agreement with Client;
- Permit Application for construction work – Annexure 2
- A record of all working drawings, calculations and design where applicable.
- Detailed list of Contractors with contact details, appointments, Mandatories etc., H&S specifications issued;
- Record of Competencies (CVs) and appointments;
- Training Records;
- Permits;
- Method statements;
- Risk assessments;
- Safe work procedures;
- Emergency and injury management;
- Safety data sheets
- Medical surveillance records;
- Registers; and
- Records of audits, minutes etc.
- Plant lists
- Temporary electrical installations
- Employee records (who is on site)

7. NON-CONFORMANCES

Should, at any time, the works, or part of the works, be stopped due to unsafe acts or non-compliance with the Clients or PCs H&S Plan; neither the PC nor any other Contractor shall have a claim for extension of time or any other compensation.

The following constitute examples of the types of non-conformances that will attract penalties:

Minor: Penalty: R50/count	Medium: Penalty: R500/count and a non-conformance	Severe Penalty: R5000/count, a non- conformance and/or activity stoppage
Non-use of PPE supplied	Toilets not supplied or regularly serviced; lack of drinking water	Contractors working without Health and Safety Plan approval
Non-completion of registers for plant and equipment on site	Contractors not audited	Workers transported in contravention of the OHS plan or legal requirements
Lack of H&S signage at work areas	Working without training or the appropriate, approved H&S method statements	Invalid Letters of Good Standing
Tools and equipment identified in poor condition during inspections	Legal non-conformances identified during the previous audit and not addressed within the agreed time frame	Non-compliance with traffic accommodation requirements: layout or physical conditions
	No monthly OHS report at site meeting to report on	Any serious breach of legal requirements
	No certificates of fitness for workers as required	
	Working without approved method statements	

7.1 Failure to Comply with Provisions

Failure or refusal on the part of the PC or their Contractors to take the necessary steps to ensure the safety of workers and the general public in accordance with these specifications or as required by statutory authorities or ordered by the engineer, shall be sufficient cause for the engineer to apply penalties as follows:

- (i) A penalty as shown in the Table above shall be deducted for each and every occurrence of non-compliance with any of the requirements of the PSHSS.
- (ii) In addition, a time-related penalty of R500, 00 per hour over and above the fixed penalty may be deducted for non-compliance to rectify any non-conformance within the allowable time after a site instruction to this effect has been given by the Designer. The site instruction shall state the agreed time, which shall be the time in hours for reinstatement of the defects. Should the Contractor fail to adhere to this instruction, the time-related penalty shall be applied from the time the instruction was given.

8 MEASUREMENT AND PAYMENT

The payment items for Occupational Health & Safety are contained in the Bill of Quantities. The same rules are applicable in respect of the pricing of these items as for every other payment item. Attention is drawn to the Pricing Instructions in this document.

Item and Unit

C.01 Preparation of Contractor's Project Specific Health and Safety Plan. (Lump Sum (L.S))

The rate for this item must cover all expenses incurred in preparing the Contractor's project specific Health and Safety Plan as required by the Client's project specific Health and Safety Specification in this document

C.02 Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations. (Lump Sum (L.S))

The full amount will be paid in one instalment only when the Client's Agent has verified and approved the following

- (a) The Principal Contractor has notified the Provincial Director of the Department of Labour in writing of the project, Annexure A to the Regulations.
- (b) The Principal Contractor has made the required initial Appointments of Employees and Contractors.
- (c) The Client has approved the Principal Contractor's project Health and Safety Plan.
- (d) The Principal Contractor has set up his Health and Safety File.

C.03 Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations. (Month (Mth))

The amount shall represent full compensation for that part of the Principal Contractor's general obligations in terms of the Occupational Health and Safety Act and Regulations which are mainly a function of time. Payment will be made when the Client's Agent has verified the Principal Contractor's compliance as part of the audit. This will include the updating and administration of the Health and Safety file.

C.04 Provision of Personal Protective Equipment (PPE) as listed in the Bill of Quantities. (Number (No))

The rates for these items shall include for the procurement, delivery, storage, distribution and all other actions required for the supply of PPE to the employees of the Principal Contractor, full or part time, requiring them. Sub-Contractors are responsible for their own costs in this regard. Any items of PPE not included on the list will be paid for only after the Engineer has agreed to their acquisition.

Items listed will include, among others which may be noted, are: hard hats, reflective vests, reflective bibs, high visibility overalls, protective foot wear, fall arrestor harness and tethers, gloves, ear muffs, earplugs and dust masks of appropriate type. Normal items such as standard overalls, waterproof clothing, gum boots and standard workshop safety equipment such as welding masks and goggles will not be paid for.

Payment will be based on the issues register for PPE as kept by the Construction Health and Safety Officer, backed up by paid invoices if requested.

C.05 Provision of part-time or Full Time Construction Health and Safety Officer, Construction Manager, Assistant Manager, Construction Supervisor

The Tender sum shall include for the cost of a Construction Health and Safety Officer, Construction Manager, Construction Supervisor on a fulltime basis, the amount tendered will be prorated according to the amount of time spent on the project.

C.06 Costs of Medical Surveillance (Unit (No))

This item shall cover all costs involved in the obtaining of baseline medical examinations of temporary labour, including operators for mobile plant as contemplated in CR 21(d) (ii); for temporary workers and workers exposed to noises at or above the limits given in the Noise-induced Hearing Loss regulations, as stipulated.

Workers in the permanent employ of the Contractor will only be paid for if their certificates require updating.

C.06 a) Initial (baseline) medical examinations, including audiometric and lung function testing.

C.07 Induction Training (Unit (No))

This item shall cover all costs incurred for the health and safety inductions as set out on Regulation 7 of the Construction regulations and the proof of induction required. Payment will be made on the figures contained in the induction section of the Health and Safety File.

C.08 Provision of First Aid Boxes. (Unit (No))

The rate for this item shall cover all costs incurred in the provision and maintaining of first aid boxes as outlined in Paragraph 7 above.

C.09) Establishment of noise levels (Unit (No))

a) This item shall cover all costs involved in the establishment of noise zones, including any workshops, in terms of Regulation 9 of the Noise-induced Hearing Loss Regulations. Where a zone has previously been established for a particular item of plant within the last two years, the test need not be repeated but must be kept valid for the duration of the Contract.

C.10 Submission of the Health and Safety File. (Lump Sum)

Expenditure under this item shall be made in accordance with the general conditions of contract.

This amount will be paid only once the Principal Contractor has met all his obligations in respect of the Occupational Health and Safety Act and the Construction Regulations and has submitted his Health and Safety File complete as envisaged on this specification to the Client's satisfaction. This must be done prior to the issue of a Certificate of Completion

ANNEXURE A CLOSE OUT REQUIREMENTS

The H&S files for the Principal Contractors and all Contractors require closure and handover to the Client at the completion of the project. The following list is an example of what should be included, but is not exhaustive. The OHS Agent or the Client may require further information at the time of completion and the Principal Contractor is to ensure that all instructions are met. Documentation would include all records from the start of the project. Daily or monthly plant inspection records are not required unless they are related to an accident. All records to be in electronic format and submitted to the OHS agent for approval in adequately formatted lists and folders. Layout should be logical and in the same order as in the site files.

Health and Safety close out file requirements include:

- a) Client H&S Specification
- b) Principal Contractor's OHS Plan(s)
- c) Principal Contractors Policies
- d) Organograms
- e) Legal Appointments
- f) List of all employees employed on a permanent or contractual basis over the duration of the contract
- g) Permit Application with Department of Labour
- h) Letters of Good Standing for the Project
- i) Full files for all Contractors as well as their close out reports
 - List of Contractors
 - All employees employed on a permanent or contractual basis over the duration of the contract
 - Letters of Approval of Contractors
 - Mandatory Agreements
 - Letters of Good Standing
 - Appointments
- j) Incident Records
- k) Non- Conformance records
- l) Agent's Audits
- m) Method Statements
- n) Risk assessments
- o) Safe work procedures
- p) Medical surveillance certificates of fitness. Medical records are to be kept according to the OH&S Act as amended
- q) All drawings for temporary structures (suspended beams/scaffolds etc.)
- r) All operating manuals for any systems that require on-going maintenance
- s) Copies of test results, policies and procedures for environmental monitoring (silica, noise, dusts etc.)

Defect and Liability Period

The H&S files are to be kept 'live' for the defect and liability period by the Principal Contractor, including those of their Contractors. Any work required during the defect and liability period will require an assessment of the H&S file by the OCHS Agent prior to any work commencing. A copy drawing records for the as-built are to be placed on file by the Designers once complete.

ANNEXURE B
NON-CONFORMANCES

HEALTH AND SAFETY SITE INSPECTION NON-CONFORMANCE NO		
AGENT:	PROJECT:	
Consultant:	Date and time:	
Client	Area:	
Contractor:		
ASPECTS NOTED:	COMMENTS:	COMPLETION REQUIRED BY (DATE):
	•	
	•	
	•	
	•	
	•	
PHOTOGRAPHIC EVIDENCE (if available):		
OTHER: The following penalties are to be applied:		
Signature of Designer		
Signature of CHS Officer/Site Agent		
Signature: of CHS Agent		

ANNEXURE C:
CONTRACTORS MONTHLY HEALTH AND SAFETY REPORT

(To be submitted by the end of the first week of each month and be available with each audit)

CONTRACT NUMBER:		PROJECT NAME:	CONTRACT DETAILS:
1	GENERAL ACTIVITIES FOR THE MONTH (detail each area of work)		
2	NUMBER OF WORKERS (permanent and local, contractors)		
3	TRAINING DONE (supplier, no of people, type)		
4	INCIDENTS / ACCIDENT (list number and details attach reports)		
6	NON-CONFORMANCES (closed out or active)		
7	CONTRACTORS (list, approval status)		
8	AUDITS COMPLETED (internal and external)		
9	CRITICAL ISSUES		
10	GENERAL		

CHS Officer	Signature	Date:
Site Agent	Signature	Date:

ANNEXURE D
BILL OF QUANTITIES FOR HEALTH AND SAFETY

Item	Description	Unit	Quantity	Rate	Total
	Preparation of the Contractor's site-specific Health and Safety Plan	lump sum			
	Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act / Construction Regulations	lump sum			
	Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations	month			
	Provision of Personal Protective Equipment (PPE)				
(a)	Reflective vests	Item			
(b)	Hard hats	Item			
(c)	Protective foot wear	Item			
(d)	Earplugs	Item			
(e)	Dust masks	Item			
(f)	Gloves	Item			
(h)	High visibility overalls to SARTSM Chapter 13 Level 3	Item			
(i)	Ear Defenders SABS approved	Item			
(j)	Overalls	Item			
(k)	Induction Training	Sum			
	Provision of a full-time Construction Health and Safety Officer registered with SACPCMP	Monthly			
	Cost of medical certificates and medical surveillance				
(a)	Initial (baseline) medical examinations	prime cost (PC) sum			
(b)	Periodic and exit examinations	prime cost (PC) sum			
	Contractor's charges to allow for handling costs and profit in respect of sub (a) and (b)	%			
	Provision of First Aid Boxes to GSR requirements	Item			
	Noise monitoring				
(a)	Establishment of noise zones (plant)	Item			
(b)	Audiograms (personnel)	Item			
	Submission of a Health and Safety Closeout Report	lump sum			

C3.4.1 Baseline Risk Assessment

BASELINE RISK ASSESSMENT

Completion of the construction of the Zuurberg Peace Memorial Project in Sundays River

ECDC/INFRA/28/012024

The base line risk assessment is to highlight hazards emanating from project risks identified.



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA

Date: January 2024

low	med	high
1	4	12
2	6	18
3	8	27

Risk Rating multiplier: Low = 1; Medium = 2; High = 3

Note, this HIRA is a guide only and does not cover all risks. It must be read in conjunction with the Site Specific OHS Specification in the Contract document. The Contractor must supply a full risk assessment for all activities on site					Baseline risk				Residual risk					
REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Extra control measures necessary to reduce risk / Redesign by Client and / or Designer	Likely consequences of an accident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Accountability
1	SITE ESTABLISHMENT													
CR 24	Existing Services	Electrical	Contact with electrical cable overhead	Erect warning signs, inform workers	3	3	3	27	Ensure staff are Experienced and competent to conduct Inspections.	3	2	2	12	Contractor, Construction Manager, CHSO
			Contact with underground cable	Erect warning signs, inform workers	3	3	3	27	Ensure staff are Experienced and competent to conduct Inspections.	3	2	2	12	
			Use of equipment under HV cable	Erect warning signs, inform workers no work under cable without permission and compliance with ESCOM requirements	3	3	3	27	Ensure staff are Experienced and competent to conduct Inspections.	3	2	2	12	
		Water	Underground pipe being damaged	Care in excavation	2	2	2	8	Ensure staff are Experienced and competent to conduct Inspections.	2	2	1	4	Contractor, Construction Manager, CHSO
		Telephone	Overhead cables	Erect warning signs, inform workers	1	3	2	6	Ensure staff are Experienced and competent to conduct Inspections.	1	1	1	1	Contractor, Construction Manager, CHSO
	Storage of Materials	Storage of Construction Materials	Injury / Property damage / Theft / Security Issues	Proper separated demarcated areas to be allocated to the contractor. Materials to be stored in demarcated areas.	3	3	3	27	Ensure staff are Experienced and competent to conduct Inspections.	3	1	1	6	Contractor, Construction Manager, CHSO

REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Extra control measures necessary to reduce risk / Redesign by Client and / or Designer	Likely consequences of an accident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Accountability
ENVIRONMENTAL														
Environmental and facilities regs	Weather	Working in wet, extreme hot conditions Temperature range 2 to 40 deg C. Extreme wind conditions. Weather is a factor to be considered, raised temperatures in summer, with high humidity levels. Very cold weather may be encountered with the possibility of frost. High Wind speeds	Possible hypo- or hyperthermia.low efficiency of workers.	Work stoppage in rain or following rain that would affect the works. Cold weather protective clothing may become necessary. Hot weather may require work stoppage. Adequate supply of drinking water.	3	3	2	18	Use of weather stations to monitor temperature, Work to be assessed should discomfort index reach 100, work may be stopped at 105 if deemed problematic. Adequate water intake. Sheltered areas for rest and eating.	2	3	2	12	Contractor, Construction Manager, CHSO
	Office facilities	Working in cramped unventilated or poor lighting conditions. Poor Hygiene	Health issues	Office set-up to be checked for suitability, Office to be cleaned at regular intervals	2	2	2	8	Avoid the use of containers for offices unless properly modified for use as offices, Ensure office cleaning and sanitizing done regularly	2	1	1	2	Contractor, Construction Manager, CHSO
	General Waste Management	Use of temporary toilets	Health Issues	Use of chemical Toilets, at least one per 15 worker's male and female separated	2	2	3	12	No Formaldehyde in chemicals. Serviced and cleaned at least once weekly by competent service providers.	1	2	1	2	Contractor, Construction Manager, CHSO
		Waste disposal	Health and Environmental issues	All waste properly disposed of two certificated rubbish dump.	2	2	3	12	No burning of cement bags or other refuse on site. Site to be kept tidy. Removal of all waste at regular intervals by competent service providers.	2	1	1	2	Contractor, Construction Manager, CHSO

REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Extra control measures necessary to reduce risk / Redesign by Client and / or Designer	Likely consequences of an accident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Accountability	
WORKING AT HEIGHTS															
3	CR 10	Working at Heights	Scaffolding not properly erected	Scaffold collapse	Calculate load capacity of scaffold. Proper design of scaffold	3	3	3	27	Specification must ensure design is done by competent person. Method statements	3	2	2	12	Contractor, Scaffold Erector, Scaffold inspector
			Scaffolding not properly erected	Fall from height	Fall protection Plan by registered fall planner	3	3	3	27	Experienced staff by site staff and P.A. Competent Inspection. Method statements	3	2	2	12	Contractor, Scaffold Erector, Scaffold inspector
			Scaffold not properly erected	Falling objects	Use of toe boards, proper decking, catch nets	3	3	3	27	Experienced staff by site staff and P.A. Competent Inspection. Method statements	3	2	2	12	Contractor, Scaffold Erector, Scaffold inspector
			Use of ladders	Persons / objects falling	Ladders conform to General Safety regulation 13a	2	3	3	18	Worker training Experienced staff by site staff and P.A. Competent Inspection. Method statements	2	2	2	8	Contractor, Scaffold Erector, Scaffold inspector
USE OF CONSTRUCTION PLANT AND EQUIPMENT															
4	CR 23	Construction Plant and Equipment	Struck by vehicle	Injury to persons/Employees / personnel	Vehicle fitted with acoustic warning devices, hooter and reverse warning	3	3	3	27	Competent experienced staff and adequate pre-task training will be required. Competent fit operators	3	2	2	12	Contractor, Plant manager
			Vehicle overturns	Injury to persons/Employees/Personnel. Damage to vehicles / Damage to parked vehicles	Proper operation of vehicle	3	3	3	27	Competent experienced staff and adequate pre-task training will be required. Competent fit operators	3	2	2	12	Contractor, Plant manager
			Untrained operator	Injury to persons. Damage to vehicle	Only employ competent operators	3	3	3	27	Competent experienced staff and adequate pre-task training will be required. Competent fit operators	3	2	2	12	Contractor, Plant manager, CHSO
			Unsilenced plant	Noise induced hearing loss	Fit or repair silencer	2	3	3	18	Proper supervision, operator training, Establishment of noise zones. Correct PPE including ear defenders/plugs. NIHL regulations must be followed at all times	2	2	1	4	Contractor, Plant manager, CHSO
EXPOSURE TO NOISE															
N-IHL Regs	Exposure to Noise	Over 85 Db for long period: When activities are in process that create noise from: Plant, machinery and other electrical equipment and tools	Hearing Loss	Avoid exposure to noise where possible	2	3	3	18	Specification to require establishment of noise zones. Communication with existing facilities to ensure minimum noise during office hours. NIHL regulations to be followed at all times	2	2	2	8	Contractor, Plant manager, CHSO	

REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident				Extra control measures necessary to reduce risk / Redesign by Client and / or Designer				Likely consequences of an accident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Accountability
					Frequency of Exposure	Probability of harm	Risk rating and risk category	Frequency of Exposure	Probability of harm	Risk rating and risk category	Frequency of Exposure						
6 EXPOSURE TO DUST																	
6	Exposure to Dust	If severe lack of clear vision; Breathing problems. When activities are in process that create dust such as excavating, cement work etc.	Loss of Lung Function	Dust prevention	2	3	3	18	Specification to include dust palliative requirements.	2	2	2	8	Contractor, Plant manager, CHSO			
7 ELECTRICAL TOOLS																	
7	Use of small electrical tools	Contact with electricity	Electric shock	Certificate of Compliance for electrical supply	3	2	2	12	Ensure all connections secure, no breaks in cable. Proper routing of cables on site	3	2	1	6	Contractor, Construction Manager, CHSO, Electrical Supervisor			
8 ACCESS																	
8	Public access	Persons in dangerous areas. Personnel gaining access to construction area. The public gaining access to the construction site	Injury to person's/employees/personnel	Separate general public from construction site. Extra care to be taken to ensure the public and personnel do not gain access to the construction activities. Extra care to be taken when phasing is done to separate the above	3	2	2	12	Spec to require: Access control. Induction for visitors. Security control. Safety Notices. Extra Observation	3	1	1	3	Contractor, Construction Manager, CHSO			
	Access control	Personnel, Public and employees may gain access to site	Fall into excavation, injury from plant, tools or at workplace/ construction activities.	Access control to be in place, hoardings erected to separate site from public. Extra hoarding to be in place to ensure the public and personnel are kept out of the construction site.	3	2	2	12	Strict access control, gates locked or manned at all times. Trained security staff on duty. Induction for all visitors. Extra hoarding as well as 24 hour security	3	1	1	3	Contractor, Construction Manager, CHSO, Security			
		Access	Injury to person's / employees /personnel/ consultants/patients	Separate general public from early works / construction site. Extra care to be taken to ensure the public and personnel do not gain access to the construction activities as well as early works	1	1	2	2	Strict access control, gates locked or manned at all times. Trained security staff on duty. Induction for all visitors. Extra hoarding as well as 24 hour security	3	1	1	3	Contractor, Construction Manager, CHSO, Security			

REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident				Extra control measures necessary to reduce risk / Redesign by Client and / or Designer				Likely consequences of an accident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Accountability
					Frequency of Exposure	Probability of harm	Risk rating and risk category	Frequency of Exposure	Probability of harm	Risk rating and risk category	Frequency of Exposure						
9 CONCRETE WORK																	
CR 20	Outsourced supply	Delivery by truck	Person struck by truck	Reverse warning Driver training	3	2	2	12	Worker training. Experienced supervision			3	1	2	6	Contractor. Batch plant and Concrete Supervisor, CHSO	
			Person struck by concrete poured into shuttering	Proper training and supervision	2	2	2	8	Area cleared of all but essential workers			2	1	2	4		
	Hand mixing	Use of small tools	Contact with cement	Care in opening cement bags	2	2	2	8	Ensure workers fit for work. Proper supervision			2	1	2	4		
			Inhale cement dust	Care in opening cement bags	2	2	2	8	Ensure workers fit for work. Proper supervision			2	1	2	4		
			Ergonomic risks	Rotate work	2	3	3	18	Ensure workers fit for work. Proper supervision			2	3	1	6		
CR20	Use of concrete vibrator	Injury to persons	Noise, vibration, contact with vibrating head, contact with wet concrete	Operator training	2	2	3	12	Experienced staff by site staff. Competent Inspection. Use of proper equipment			2	2	1	4	Contractor. Concrete Supervisor, CHSO	

REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident				Extra control measures necessary to reduce risk / Redesign by Client and / or Designer	Likely consequences of an accident				Accountability	
					Frequency of Exposure	Probability of harm	Risk rating	Risk category		Frequency of Exposure	Probability of harm	Risk rating	Risk category		
10 BRICK WORK															
10	Delivery by truck	Struck by truck	Injury to persons	Vehicle fitted with acoustic warning devices, hooter and reverse warning	3	3	3	27	Experienced staff by site staff and P.A. Competent Inspection	3	2	2	12	Contractor, Building Supervisor, CHSO	
	Moving bricks	Use of wheel barrow	Injury to person's ergonomic risks	Training of workers. Job rotation	2	2	3	12	Experienced staff by site staff. Competent Inspection. Use of proper equipment	2	2	1	4	Contractor, Building Supervisor, CHSO	
		Use of Brick lift	Injury to persons	Training of workers in use of equipment	3	2	2	12	Experienced staff by site staff. Competent Inspection. Use of proper equipment	3	2	1	6	Contractor, Building Supervisor, CHSO	
	Use of support work	Collapse of support work	Injury to persons	Training of workers in use of equipment Method statements	3	2	2	12	Experienced staff by site staff. Competent Inspection. Use of proper equipment proper calculation of loads involved by competent person	3	2	1	6	Contractor, Building Supervisor, CHSO	
	Use of access scaffolding and Ladders	Working with ladders and low scaffolds	Falls, slips	Fall protection plan. Ladders to GSR13A	3	2	2	12	Training, proper supervision. Ladder inspection	3	1	2	6	Contractor, Building Supervisor, Scaffolding Inspector CHSO	
	Working with glass	Glass breaking	Cuts and other injuries	Training of workers in use of equipment	3	2	2	12	Experienced staff by site staff and P.A. Competent Inspection	3	2	1	6	Contractor, Building Supervisor, CHSO	
12 PAINTING															
12	GSR 13A	Painting	Working with ladders and low scaffolds	Falls, slips	Fall protection plan. Ladders to GSR13A	3	2	2	12	Training, proper supervision. Ladder inspection	3	1	2	6	Contractor, Construction Manager, Ladder Inspector, CHSO
			Ingestion of Paint	Gastric irritation, nausea	Training; clean site	2	2	2	8	Tool box talks, proper supervision	1	2	2	4	Contractor, Painting Supervisor, CHSO
			Cleaning Brushes	Use of thinners, benzene, possible carcinogens; highly flammable	Supply SDS Use alternative brush cleaner Keep away from open flames	2	2	2	8	Use of Turpentine, Proper experienced staff Training	1	2	2	4	Contractor, Painting Supervisor, CHSO

REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident				Extra control measures necessary to reduce risk / Redesign by Client and / or Designer	Likely consequences of an accident				Accountability
					Frequency of Exposure	Probability of harm	Risk rating and risk category	Frequency of Exposure	Probability of harm	Risk rating and risk category				

13 ELECTRICAL INSTALLATION (see also Electrical installation regulations)

	Electrical Contractor	Unregistered, incompetent contractor	Poor work, cost overruns, no municipal connection	Ensure appointment of registered, competent contractor	3	2	3	18	Project specific H&S Specification and HIRA in tender Document	1	2	3	6	Contractor, Construction Manager, CHSO, Electrical Supervisor
		Electricity Control	Work in the dark, Slip and Fall due to poor lighting.	Electrical engineer alert the poor lighting at each area and this hazard must be taken into account when inspections are done.	2	3	3	18	Every employer shall conduct his undertaking in such a manner as to ensure as far as reasonably practicable that persons other than those in his employment who may be directly affected by his activities are not thereby exposed to hazards to their health and safety.	1	2	3	6	Contractor, Construction Manager, CHSO, Electrical Supervisor

14 CARPENTRY

	Carpentry	Use of Tile Cutter and grinder	Injury to persons / ergonomic risk	Training of workers / job rotation / training of workers with equipment	2	2	2	8	Ensure Correct PPE, toolbox talks proper supervision	2	1	2	4	Contractor / Supervisor / CHSO
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REF where appropriate	Operation	Hazard	Design Risks identified as present	Describe the obvious control measures to be part of design	Likely consequences of an incident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Extra control measures necessary to reduce risk / Redesign by Client and / or Designer	Likely consequences of an accident	Frequency of Exposure	Probability of harm	Risk rating and risk category	Accountability
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15 PAVING

	Paving	Use of wheelbarrows, handtools, cutting equipment / moving vehicles	Injury to persons / ergonomic risk	Training of workers / job rotation / training of workers with equipment	2	2	2	8	Ensure Correct PPE, toolbox talks proper supervision	2	1	1	4	Contractor / Supervisor / CHSO
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16 HAZARDOUS CHEMICALS (see also Hazardous Chemical Regulations)

HCS Regulations	Use/supply of hazardous Chemicals	Improper use/storage of hazardous Chemicals	Fire, explosion poisoning of persons	Supply appropriate materials safety data information	3	2	3	18	component person appointed to check stores. Proper storage. Provision of fire extinguishers. Emergency plan.	3	1	2	6	Contractor, Construction Manager, CHSO HCS supervisor, SMME Contractor(if employed)
	Plastering	Cement Mortar	Used across the project for a range of tasks,	Avoid contact with cement. Supply SDS	3	3	2	18	Dust control, PPE (eye and respiratory) Use of distributor when stabilizing road. Rotation of workers	2	3	1	6	
	Tiling	Tile grouts and Adhesives	Contact with materials	Avoid contact with grouts and Adhesives. Supply SDS	2	2	2	8	Proper PPE. Worker training	2	1	2	4	
	Carpentry	Wood glue & Varnish	Health Risk to Workers	Avoid over exposure	2	2	2	8	Ensure proper ventilation	2	1	2	4	

17 ERGONOMICS

	Plastering, Tiling, Carpentry	Ergonomic risks	Working in confined areas, bending,	Rotate work	2	2	2	8	Proper supervision, competent trained workers	2	1	2	4	Contractor, Construction Manager, CHSO
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18 EXCAVATIONS

CR13	Excavations	Plant & Manual	Injury or death to employees, Public and personnel. Damage to the existing fauna and flora.	Proper training of operator: Medicals, machine in good working order. Ensure communication to workers regarding the heritage of the site.	3	2	3	18	Excavation barricaded/shored as required. Proper supervision. Toolbox talks to workers to ensure understanding of the heritage of the site	3	2	2	12	Contractor, Construction Manager, CHSO, Excavation Supervisor
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19 BULK EARTH WORKS

Bulk Earthworks	Unauthorized entry	Injury/death of employees	Ensure that bulk earthwork area is out of bounds to unauthorized persons. PPE to be worn by all employees	3	3	3	27	Method statements/ Risk Assessments/Safe Work procedures must be adhered to. Control measures must be in place for all	3	2	2	12	Contractor, Construction Manager, CHSO, Earthworks Supervisor
	Unsafe working conditions	Injury/death of employees	All operators & employees to be inducted.	3	2	3	18	Daily checklists and Tool Box Talks must be done	3	2	2	12	
	Unsafe equipment	Property/equipment damage	Operating manual should be adhered to. Operators to be aware at all times	3	2	3	18	Daily checks list/ Method statements/ Risk Assessments/Safe Work Procedures Tool Box Talks	3	2	2	12	

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						Frequency of Exposure	Probability of harm	Risk rating and risk category						
LIFTING EQUIPMENT														
20	CR22	Lifting Equipment	Uneven ground, loose soft soil, overhead power lines or other obstructions	Machine could tilt or become bogged down and causing a dangerous situation. Resulting in injury/property damage/Death	Correct inspection and evaluation of the working area. Ensure working area is clean and that the machine will be stable	3	3	3	27	Correct inspection and evaluation of the working area Ensure working area is clean and that the machine will be stable.	3	2	2	12
			Checking out the machine to ensure that all is in good working order	Controls not functioning correctly, oil leaks. Machine failure causing damage and injury to employees	All operators & employees to be inducted.	3	2	3	18	Daily checklists and Tool Box Talks must be done	3	2	2	12
			Correct positioning of equipment ensuring it is level before carrying out the lift	Machine could tip over in one particular direction. Property/equipment damage/employee injury	Ensure that the machine is correctly positioned and will not be over extended in any particular direction of operation. Barricade the area to prevent unauthorized entry.	3	2	3	18	Ensure competent operators to position machine correctly to ensure maximum usage are any one lift / Method statements/ Risk Assessments/Safe Work Procedures Tool Box Talks	3	2	2	12
BARRICADING / HOARDING														
21		Barricading / Hoarding	Barricading / Demarcating / Hoarding	Interaction with facility activities / personal and general public	Control should be taken to ensure that construction activities are at all times being separated from day to day activities / staff / general public.	3	3	3	27	Extra special care and planning and communication between the contractor and existing facility staff.	3	2	2	12
														Contractor, Construction Manager, CHSO

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					Frequency of Exposure	Probability of harm	Risk rating and risk category	Frequency of Exposure	Probability of harm	Risk rating and risk category	Frequency of Exposure						
22	WASTE MANAGEMENT																
	Removal of Waste	Waste Management	Daily waste from contractor	Contractor to ensure waste is managed daily and removed from site	1	1	1	1	1	Contractor to have waste management systems in place. Communicated to workers on site.	2	1	1	4	Contractor, Construction Manager, CHSO		
23	DEMOLISHING																
CR14	Demolishing	Breakdown structure	Break wall from top to bottom. Injury to all body parts can occur	Ensure to break structure from top to bottom. Employees to be trained.	3	3	3	27	27	Regular inspection and evaluation of the working area prior to work. Employees to be trained and regular tool box talks to be conducted.	3	2	2	12	Contractor, Construction Manager, CHSO, Demolition Supervisor		
		Dust	Inhaling of dust causing sinus	All employees to be inducted correct PPE to be worn: Dust Masks.	3	2	3	18	18	Correct PPE, Daily checklists and Tool Box Talks must be done. Communication with the existing facility to ensure minimum dust exposure during working hours.	3	2	2	12			
		Working Area	Loose bricks laying around, Workers can fall over bricks - Injuries to all body part can occur	Ensure proper housekeeping is maintained at all times. Work area to be kept clear of loose materials	3	2	3	18	18	Ensure competent operators to position machine correctly to ensure maximum usage are any one lift / Method statements/ Risk Assessments/Safe Work Procedures Tool Box Talks	3	2	2	12			

C4 DRAWINGS (SEPARATELY ATTACHED)