

NAMES OF PARTIES

1. EMPLOYER

Dept. of Social Development

Contact person: Mr Khaka Manjiya
Email :Khaka.manjiya@ecdsd.gov.za
Tell: 043 605 5068

Postal address:

Department of Social Development
No. 7 Beatrice Street
King WilliansTown
5605

CONSULTANT TEAM

2.1 PROJECT MANAGER

Dept. of Public Works

Contact Person :Ms Sibulele Gwebani
Email: Sibulele.Gwebani@ecdpcw.gov.za
Tel: (082) 453-1931/ (079)145-3219

Postal address:

Residential Address
Qhasana Building
Independence Avenue
Bhisho ,5605
Eastern Cape

CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129

2.4 ELECTRICAL ENGINEERS
Dept. of Public Works

Contact Person: Ms Yoliswa Malonie
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Qhasana Building
Independence Avenue
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PRELIMINARIES
NAMES OF PARTIES
DPWI
ECDC-2021

1. EXTENT OF CONTRACT

Building contract

The work embodied in the contract comprises :

- Construction of an ECDC Building, consisting of Main Classroom with Staff kitchen, Store room, Pantry and Sick bay.
- External works will include two Pit toilets and Galvanised Steel fence.
- The successful tenderer for this contract will be appointed in terms of the Principal Building Agreement.

2. ACQUAINTANCE WITH TENDER DOCUMENTS

By submission of a tender, the contractor shall be deemed to have acquainted himself with the contract documents, local requirements and laws and all aspects of the work envisaged in the documents, prior to pricing and submission of a tender. It is of vital importance that the tenderers visit the site prior to the submission of a tender to study conditions on site.

No claim resulting from failure to comply with any of the above will be entertained.

3. CONTRACT DOCUMENTS

The contract documents shall comprise:

- * This tender enquiry document, bills of quantities and its annexures.

4. BILLS OF QUANTITIES

These bills of quantities contain pages numbered consecutively as indicated in the Index. Before the contractor submits his tender he should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or the tender documents contain any obvious errors, he should apply to the quantity surveyors at once and have same rectified as no liability whatsoever will be admitted by the quantity surveyors in respect of errors in a tender due to the foregoing.

On no account should these documents be used for placing orders for materials. The contractor may do so at his own risk but shall not be reimbursed for additional costs so incurred.

Unless a separate rate for the supply and for the installation of any items is specifically called for, the supply and installation costs of any item shall be deemed to be fully included in the unit price.

5. MATERIAL AND LABOUR COST FLUCTUATIONS

Tenders shall be fixed ie inclusive of provision for material and labour cost fluctuations during the course of the works.

6. CONDITIONS TO BE OBSERVED IN TENDERING

- 6.1 Tenders shall include Value Added Tax
- 6.2 The quantity surveyors will notify the tenderers of the tender results
- 6.3 The lowest, or any, or portion of any tender will not necessarily be accepted.
- 6.4 All tenders must be entered on the form provided herein.
- 6.5 All recipients of the tender document (whether they submit a tender or not) must treat the details of the document as private and confidential
- 6.6 The employer will not be responsible for, or pay for, expenses or losses, which may be incurred by any tenderer in the preparation of his tender.
- 6.7 Where possible the Contractor is encouraged to make use of local labour throughout the project.
The labour rate shall be a minimum of **R 180,00 per day**.

7. TENDER INFORMATION

The employer may require additional information from the tenderer in order to evaluate the tender. The tenderer is required to provide such information if so required by the employer.

8. SITE INSPECTION

Tenderers are required to inspect the site before submission of his tender.

The tenderer is also required to familiarise himself before submission of his tender with regard to relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining thereto, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.

| Item No | | Quantity | Amount |
|---------|--|----------|--------|
| | <p><u>SECTION 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>MEANING OF TERMS "TENDER / TENDERER"</u></p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>PRELIMINARIES</u></p> <p>The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item</p> <p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u></p> | | |
| 1 | <p>A1 DEFINITIONS AND INTERPRETATION</p> <p>Clause 1.0</p> <p>Clause 1.1 Definition of "Commencement Date" is added:</p> | | |
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| | <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | |

"COMMENCEMENT DATE" means the date that the **agreement**, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of **"Construction Guarantee"** is amended by replacing it with the following:

"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the **contractor** from an institution approved by the **employer** in terms of the **employer's** construction guarantee form as selected in the **schedule**

Clause 1.1 Definition of **"Construction Period"** is amended by replacing it with the following:

"CONSTRUCTION PERIOD" means the period commencing on the **commencement date** and ending on the date of **practical completion**

Clause 1.1 Definition of "Corrupt Practice" is added:

"CORRUPT PRACTICE" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution

Clause 1.1 Definition of **"Fraudulent Practise"** is added:

"FRAUDULENT PRACTICE" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition.

Clause 1.1 Definition of **"Interest"** is amended by replacing it with the following:

"INTEREST" means 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).

Clause 1.1 Definition of **"Principal Agent"** is amended by replacing it with the following:

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"**PRINCIPAL AGENT**" means the person or entity appointed by the **employer** and named in the **schedule**. In the event of a **principal agent** not being appointed, then all duties and obligations of a **principal agent** as detailed in the **agreement** shall be fulfilled by a representative of the **employer** as named in the schedule

Clause 1.1 Definition of "**Security**" is amended by replacing it with the following:

"**SECURITY**" means the form of security provided by the **employer** or **contractor**, as stated in the **schedule**, from which the **contractor** or **employer** may recover expense or loss

Clause 1.6 is amended by replacing the works "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"

Clause 1.6.4 is amended by replacing it with the following:

No clause

Fixed: _____ Value related: _____ Time related: _____

Item

OBJECTIVE AND PREPARATION

2 **A2 OFFER, ACCEPTANCE AND PERFORMANCE**

Clause 2.0

Fixed: _____ Value related: _____ Time related: _____

Item

3 **A3 DOCUMENTS**

Clause 3.0

Clause 3.2.1 is amended by replacing "14.1" with "14.0"

Clause 3.7 is amended by the addition of the following:

The **contractor** shall supply and keep a copy of the **JBCC** Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the **site**, to which the **employer**, **principal agent** and **agents** shall have access at all times

Clause 3.10 is amended by replacing the second reference to "**principal agent**" with the word "**employer**"

Fixed: _____ Value related: _____ Time related: _____

Item

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PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPWI
ECDC-2021

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| 4 | <p>A4 DESIGN RESPONSIBILITY</p> <p>Clause 4.0</p> <p>Clause 4.3 is amended by replacing it with the following:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 5 | <p>A5 EMPLOYER'S AGENTS</p> <p>Clause 5.0</p> <p>Clause 5.1.2 is amended to include clauses 32.6.3, 34.3 and 34.4 and 38.5.8</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 6 | <p>A6 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 7 | <p>A7 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Note: The provisions herein include <i>inter alia</i>, compliance with <u>all</u> the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Regulation 5(1) requiring the compilation of a health and safety plan, as well as Regulation 6(1) requiring the appointment of a construction supervisor</p> <p>See also clause C10 of Section C - Specific Preliminaries</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 8 | <p>A8 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
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| <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | | |

9 **A9 INDEMNITIES**

Clause 9.0

Fixed: _____ Value related: _____ Time related: _____

Item

10 **A10 WORKS INSURANCES**

Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

10.5 Damage to the Works

- (a) Without in any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the **works** by whatever cause during construction of the **works** and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary
- (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**
- (c) The **employer** shall carry the risk of damage to or destruction of the **works** and material paid for by the **employer** that is the result of the excepted risks as set out in 10.6
- (d) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Injury to Persons or loss of or damage to Properties

- (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

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- (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable 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, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or neglect of any person for whose actions the **employer** is legally liable

- (c) The **contractor** shall, upon receiving a **contract instruction** from the **principal agent**, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost thereof from the **contractor** or to deduct the same from amounts due to the **contractor**

- (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**

- (e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed

- (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the **works**

10.7 High 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 subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

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10.7.1 Damage to the works

The **contractor** shall, from the commencement **date** of the **works** 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

10.7.2 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

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 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

10.7.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty-one (21) **calendar days** of the **commencement date** but before commencement of the **works**, submit to the **employer** proof of such insurance policy, if requested to do so

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| | <p>10.7.4 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 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under 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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 11 | <p>A11 LIABILITY INSURANCES</p> <p>Clause 11.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 12 | <p>A12 EFFECTING INSURANCES</p> <p>Clause 12.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 13 | <p>A13.0 No clause</p> | | N/A |
| 14 | <p>A14 SECURITY</p> <p>Clause 14.0</p> <p>Clauses 14.1 - 14.8 are amended by replacing them with the following:</p> <p>14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)</p> <p>14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor</p> | | |
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| | <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | |

14.2 In respect of contracts with a **contract sum** above R1 million, the **contractor** shall have the right to select the **security** to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the **schedule**. Such **security** shall be provided to the **employer** within twenty-one (21) **calendar days** from **commencement date**. Should the **contractor** fail to select the **security** to be provided or should the **contractor** fail to provide the **employer** with the selected **security** within twenty-one (21) **calendar days** from **commencement date**, the **security** in terms of 14.7 shall be deemed to have been selected.

14.3 Where **security** as a cash deposit of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:

14.3.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.3.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to three per cent (3%) of the **contract value** (excluding VAT), and refund the balance to the **contractor**

14.3.3 Within twenty-one (21) **calendar days** of the date of **final completion** of the **works** the **employer** shall reduce the cash deposit to an amount equal to one per cent (1%) of the **contract value** (excluding VAT) and refund the balance to the **contractor**

14.3.4 On the date of payment of the amount in the final **payment certificate**, the **employer** shall refund the remainder of the cash deposit to the **contractor**

14.3.5 The **employer** shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the cash deposit **security** or portions thereof to the **contractor**

14.3.6 The parties expressly agree that neither the **employer** nor the **contractor** shall be entitled to cede the rights to the deposit to any third party

14.4 Where **security** as a variable **construction guarantee** of ten per cent (10%) of the **contract sum** (excluding VAT) has been selected:

14.4.1 The **contractor** shall furnish the **employer** with an acceptable variable **construction guarantee** equal in value to ten per cent (10%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

Carried to Collection

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14.4.2 The variable **construction guarantee** shall reduce and expire in terms of the Variable **Construction Guarantee** form included in the invitation to tender

14.4.3 The **employer** shall return the variable construction guarantee to the **contractor** within fourteen (14) **calendar days** of it expiring

14.4.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall issue a written demand in terms of the variable **construction guarantee**

14.5 Where **security** as a fixed **construction guarantee** of five per cent (5%) of the **contract sum** (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.5.1 The **contractor** shall furnish a fixed construction guarantee to the **employer** equal in value to five per cent (5%) of the **contract sum** (excluding VAT)

14.5.2 The fixed **construction guarantee** shall come into force on the date of issue and shall expire on the date of **practical completion**

14.5.3 The **employer** shall return the fixed **construction guarantee** to the **contractor** within fourteen (14) **calendar days** of it expiring

14.5.4 The payment reduction of the value certified in a **payment certificate** shall be in terms of 31.8 (A) and 34.8

14.5.5 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** shall be entitled to issue a written demand in terms of the fixed **construction guarantee** or may recover from the payment reduction or may do both

14.6 Where **security** as a cash deposit of five per cent (5%) of the **contract sum** (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.6.1 The **contractor** shall furnish the **employer** with a cash deposit equal in value to five per cent (5%) of the **contract sum** (excluding VAT) within twenty-one (21) **calendar days** from **commencement date**

14.6.2 Within twenty-one (21) **calendar days** of the date of **practical completion** of the **works** the **employer** shall refund the cash deposit in total to the **contractor**

Carried to Collection

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14.6.3 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(A)

14.6.4 Where the **employer** has a right of recovery against the **contractor** in terms of 33.0, the **employer** may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both

14.7 Where **security** as a payment reduction of ten per cent (10%) of the value certified in the **payment certificate** (excluding VAT) has been selected:

14.7.1 The payment reduction of the value certified in a **payment certificate** shall be *mutatis mutandi* in terms of 31.8(B)

14.7.2 The **employer** shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the **employer** complies with the provisions of 33.4 in which event the **employer's** entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the **contractor**

14.8 Payments made by the guarantor to the **employer** in terms of the fixed or variable **construction guarantee** shall not prejudice the rights of the **employer** or **contractor** in terms of this **agreement**

14.9 Should the **contractor** fail to furnish the **security** in terms of 14.2, the **employer**, in his sole discretion and without notification to the **contractor**, is entitled to change the **contractor's** selected form of **security** to that of a ten per cent (10%) payment reduction of the value certified in the **payment certificate** (excluding VAT), whereafter 14.7 shall be applicable

Fixed: _____ Value related: _____ Time related: _____

Item

EXECUTION

15 **A15 PREPARATION FOR AND EXECUTION OF THE WORKS**

Clause 15.0

Clause 15.1.1 is amended by replacing it with:

No Clause

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**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Clause 15.1.2 is amended by replacing it with:

The **security** selected in terms of 14.0

Clause 15.1 is amended by the addition of the following clause:

15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) **calendar days of commencement date**

Clause 15.2.1 is amended by replacing it with the following clause:

Give the **contractor** possession of the **site** within ten (10) **working days** of the **contractor** complying with the terms of 15.1.4

Fixed: _____ Value related: _____ Time related: _____

16 A16 ACCESS TO THE WORKS

Clause 16.0

Fixed: _____ Value related: _____ Time related: _____

Item

17 A17 CONTRACT INSTRUCTIONS

Clause 17.0

Clause 17.1.11 is amended by deleting the words "and the appointment of **nominated** and **selected subcontractors**"

Fixed: _____ Value related: _____ Time related: _____

Item

18 A18 SETTING OUT OF THE WORKS

Clause 18.0

Fixed: _____ Value related: _____ Time related: _____

Item

19 A19 ASSIGNMENT

Clause 19.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPWI
ECDC-2021

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| 20 | <p>A20 NOMINATED SUB-CONTRACTORS</p> <p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following:</p> <p>No Clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 21 | <p>A21 SELECTED SUBCONTRACTORS</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with:</p> <p>No Clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 22 | <p>A22 EMPLOYER'S DIRECT CONTRACTORS</p> <p>Clause 22.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 23 | <p>A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| <u>COMPLETION</u> | | | |
| 24 | <p>A24 PRACTICAL COMPLETION</p> <p>Clause 24.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| Carried to Collection | | | R |
| <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | | |

25 **A25 WORK'S COMPLETION**
 Clause 25.0
 Fixed: _____ Value related: _____ Time related: _____ Item

26 **A26 FINAL COMPLETION**
 Clause 26.0
 Clause 26.1.2 s amended by inserting "#" next 26.1.2
 Fixed: _____ Value related: _____ Time related: _____ Item

27 **A27 LATENT DEFECTS LIABILITY PERIOD**
 Clause 27.0
 Fixed: _____ Value related: _____ Time related: _____ Item

28 **A28 SECTIONAL COMPLETION**
 Clause 28.0
 Fixed: _____ Value related: _____ Time related: _____ Item

29 **A29 REVISION OF DATE FOR PRACTICAL COMPLETION**
 Clause 29.0
 Clause 29.2.5 is amended by replacing it with:
 No clause
 Fixed: _____ Value related: _____ Time related: _____ Item

30 **A30 PENALTY FOR NON-COMPLETION**
 Clause 30.0
 Fixed: _____ Value related: _____ Time related: _____ Item

Carried to Collection

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PAYMENT

31 **A31 INTERIM PAYMENT TO THE CONTRACTOR**

Clause 31.0

Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"

Clause 31.8 is amended by replacing it with the following two alternative clauses:

Alternative A

31.8(A) Where a **security** is selected in terms of 14.1; 14.5 or 14.6, the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(A).1 Ninety-five per cent (95%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(A).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Alternative B

31.8(B) Where **security** is a payment reduction in terms of 14.7 the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

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31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: _____ Value related: _____ Time related: _____

Item

32 A32 ADJUSTMENT TO THE CONTRACT VALUE

Clause 32.0

Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence:

"due to no fault of the **contractor**"

Fixed: _____ Value related: _____ Time related: _____

Item

33 A33 RECOVERY OF EXPENSE AND LOSS

Clause 33.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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34 **A34 FINAL ACCOUNT AND FINAL PAYMENT**

Clause 34.0

Clause 34.1 is amended by removing "#" next to 34.1

Clause 34.2 is amended by inserting "#" next to 34.2

Clause 34.8 is amended by deleting the words "where **security** as a fixed **construction guarantee** in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1"

Clause 34.13 is amended by replacing "seven (7) **calendar days**" with "twenty-one (21) **calendar days**" and deleting the words "subject to the **employer** giving the **contractor** a tax invoice for the amount due"

Fixed: _____ Value related: _____ Time related: _____

Item

35 **A35 PAYMENT TO OTHER PARTIES**

Clause 35.0

Fixed: _____ Value related: _____ Time related: _____

Item

CANCELLATION

A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT

Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of he conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the **employer**, has engaged in **corrupt** or **fraudulent practices** in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "**principal agent**" with "**employer**"

Clause 36.0 is amended by the addition of the following clause:

Carried to Collection

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|----|---|--|------|
| | <p>36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 36 | <p>A37 CANCELLATION BY EMPLOYER – LOSS AND DAMAGE</p> <p>Clause 37.0</p> <p>Clause 37.0 is amended by the addition of the following clause:</p> <p>Clause 37.3.5 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| 37 | <p>A38 CANCELLATION BY CONTRACTOR - EMPLOYER’S DEFAULT</p> <p>Clause 38.0</p> <p>Clause 38.5.4 is amended by replacing "ninety (90)" with "one-hundred and twenty (120)"</p> <p>Clause 38.0 is amended by the addition of the following clause:</p> <p>38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | | Item |
| | Carried to Collection | | R |
| | <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | |

38 **A39 CANCELLATION - CESSATION OF THE WORKS**

Clause 39.0

Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) **working days** of completion of such a report"

Fixed: _____ Value related: _____ Time related: _____

Item

39 **A40 DISPUTE SETTLEMENT**

Clause 40.0

Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years"

Clause 40.6 is amended by removing the reference to:

No clause

Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following:

Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the **mediator** and related costs

Fixed: _____ Value related: _____ Time related: _____

Item

SUBSTITUTE PROVISIONS

40 **A41 STATE CLAUSES**

Clause 41.0

Fixed: _____ Value related: _____ Time related: _____

Item

CONTRACT VARIABLES

Carried to Collection

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THE SCHEDULE (DPW04EC)

41 **A42 PRE-TENDER INFORMATION**

Clause 42.0

Tenderers are referred to the document C1.2 Contract Data DPW04(EC) for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPWI
ECDC-2021

SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

42 ***B1.1 Definitions and interpretation***

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

Fixed: _____ Value related: _____ Time related: _____

Item

B2.0 DOCUMENTS

43 ***B2.1 Checking of documents***

Fixed: _____ Value related: _____ Time related: _____

Item

44 ***B2.2 Provisional bills of quantities***

Fixed: _____ Value related: _____ Time related: _____

Item

45 ***B2.3 Availability of construction documentation***

Fixed: _____ Value related: _____ Time related: _____

Item

46 ***B2.4 Interests of agents***

Fixed: _____ Value related: _____ Time related: _____

Item

47 ***B2.5 Priced documents***

Fixed: _____ Value related: _____ Time related: _____

Item

48 ***B2.6 Tender submission***

Clause 2.6 is amended by replacing “JBCC Form of Tender” with “Form of Offer and Acceptance (DPW07EC)”

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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|----|---|----------|--|
| | <u>B3.0 THE SITE</u> | | |
| 49 | B3.1 Defined works area | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 50 | B3.2 Geotechnical investigation | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 51 | B3.3 Inspection of the site | | |
| | Tenderers shall complete the Site Inspection Certificate (DPW16EC) included in the tender documents and return the same with the tender submission. | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 52 | B3.4 Existing premises occupied | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 53 | B3.5 Previous work - dimensional accuracy | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 54 | B3.6 Previous work - defects | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 55 | B3.7 Services - known | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 56 | B3.8 Services - unknown | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 57 | B3.9 Protection of trees | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 58 | B3.10 Articles of value | | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item | |
| | Carried to Collection | R | |
| | PRELIMINARIES | | |
| | Bill No. 1 | | |
| | PRELIMINARIES | | |
| | DPWI | | |
| | ECDC-2021 | | |

| | | |
|----|---|----------|
| 59 | B3.11 Inspection of adjoining properties | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| | <u>B4.0 MANAGEMENT OF CONTRACT</u> | |
| 60 | B4.1 Management of the works | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 61 | B4.2 Programme for the works | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 62 | B4.3 Progress meetings | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 63 | B4.4 Technical meetings | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 64 | B4.5 Labour and plant records | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| | <u>B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u> | |
| 65 | B5.1 Samples of materials | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 66 | B5.2 Workmanship samples | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 67 | B5.3 Shop drawings | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| 68 | B5.4 Compliance with manufacturers instruction | |
| | Fixed: _____ Value related: _____ Time related: _____ | Item |
| | Carried to Collection | R |
| | PRELIMINARIES | |
| | Bill No. 1 | |
| | PRELIMINARIES | |
| | DPWI | |
| | ECDC-2021 | |

B6.0 TEMPORARY WORKS AND PLANT

69 **B6.1 Deposits and fees**

Fixed: _____ Value related: _____ Time related: _____

Item

70 **B6.2 Enclosure of the works**

Fixed: _____ Value related: _____ Time related: _____

Item

71 **B6.3 Advertising**

Fixed: _____ Value related: _____ Time related: _____

Item

72 **B6.4 Plant, equipment, sheds and offices**

Fixed: _____ Value related: _____ Time related: _____

Item

73 **B6.5 Main notice board**

Fixed: _____ Value related: _____ Time related: _____

Item

74 **B6.6 Subcontractors' notice board**

Fixed: _____ Value related: _____ Time related: _____

Item

B7.0 TEMPORARY SERVICES

75 **B7.1 Location**

Fixed: _____ Value related: _____ Time related: _____

Item

76 **B7.2 Water**

Fixed: _____ Value related: _____ Time related: _____

Item

77 **B7.3 Electricity**

Fixed: _____ Value related: _____ Time related: _____

Item

78 **B7.4 Telecommunication facilities**

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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| 79 | <p>B7.5 Ablution facilities</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| | <p><u>B8.0 PRIME COST AMOUNTS</u></p> | | |
| 80 | <p>B8.1 Responsibility for prime cost amounts</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| | <p><u>9.0 ATTENDANCE ON N/S SUBCONTRACTORS</u></p> | | |
| 81 | <p>B9.1 General attendance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 82 | <p>B9.2 Special attendance</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 83 | <p>B9.3 Commissioning - fuel, water and electricity</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| | <p><u>B10. FINANCIAL ASPECTS</u></p> | | |
| 84 | <p>B10.1 Statutory taxes, duties and levies</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 85 | <p>B10.2 Payment for preliminaries</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 86 | <p>B10.3 Adjustment of preliminaries</p> <p>Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "in his priced bills of quantities /lump sum document submitted with his tender offer"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 87 | <p>B10.4 Payment certificate cash flow</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| | <p>Carried to Collection</p> | R | |
| | <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | |

| | <u>B11. GENERAL</u> | | |
|----|--|------|--|
| 88 | <i>B11.1 Protection of the works</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 89 | <i>B11.2 Protection / isolation of existing / sectionally occupied works</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 90 | <i>B11.3 Security of the works</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 91 | <i>B11.4 Notice before covering work</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 92 | <i>11.5 Disturbance</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 93 | <i>B11.6 Environmental disturbance</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 94 | <i>B11.7 Works cleaning and clearing</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 95 | <i>B11.8 Vermin</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 96 | <i>B11.9 Overhand work</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| 97 | <i>B11.10 Instruction manuals and guarantees</i> Fixed: _____ Value related: _____ Time related: _____ | Item | |
| | Carried to Collection | R | |
| | PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021 | | |

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|---|--|------|--|
| 98 | <p>B11.11 As built information</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 99 | <p>B11.12 Tenant installations</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| <u>B12. SCHEDULE OF VARIABLES</u> | | | |
| 100 | <p>B12.1 Pre-tender information</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>This schedule contains all variables referred to in this document and is divided into pretender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.</p> <p>Spaces requiring information must be filled in, shown as “not applicable” or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicized in [] brackets</p> <p>12.1 PRE TENDER INFORMATION</p> <p>12.1.1 Provisional Bills of Quantities [2.2] The quantities are provisional: <i>NO</i></p> <p>12.1.2 Availability of construction documentation [2.3] <i>Construction of documentation is complete: NO</i></p> <p>12.1.3 Interest of agents [2.4] Details: To be advised.</p> <p>12.1.4 Defined works area [3.1] Details: Msintsana rural area development, Cala</p> <p>12.1.5 Geotechnical investigation [3.2] Details: NONE (Note: The site is sloping)</p> <p style="text-align: right; margin-right: 100px;">Carried to Collection</p> | Item | |
| | | R | |
| <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | | |

12.1.6 **Existing premises occupied**
[3.4] Specific requirements: N/A

12.1.7 **Previous work - dimensional accuracy**
[3.5] Details: N/A

12.1.8 **Previous work - defects**
[3.6] Details: N/A

12.1.9 **Services - known**
[3.7] Details:

*Should the **contractor** encounter any existing services such as underground cables, pipes or sewer during the execution of the **works** he shall notify the **principal agent** immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the **principal agent**.*

12.1.10 **Protection of trees**
[3.9] Specific requirements:

All trees on the site outside of the position of the proposed structure must be protected.

12.1.11 Inspection of adjoining properties[3.11] Specific requirements: The contractor must inspect adjoining properties and immediately bring to the notice of the Principal Agent of any consequences that may arise from the building works.

12.1.12 **Enclosure of the works**
[6.2] Specific requirements:

The contractor shall enclose the works as required by the Occupational Health and Safety Act.

12.1.13 **Offices**
[6.4.3] Specific requirements:

The **contractor** shall provide, maintain and remove on completion of the works an office for the exclusive use of the **principal agent**, minimum size 9 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chairs, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and it for use at all times.

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**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

12.1.14 Main notice board

[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3000 x 3420mm constructed of suitable boarding with flat smooth surface and with edging bead 40mm thick all round.

The board shall be securely fixed to hoarding where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted EPWP "orange" with 40mm wide white dividing lines. All wording shall be inscribed in black painted sans serif lettering. (Proof to be sent to Department of Public Works for Attention Mr. Charles van der Westhuizen at 040 - 6094414).

Sub-contractor's individual boards will be allowed on the site subject to the written approval of the Representative/Agent.

12.1.15 **Subcontractors' notice board**

[6.6] Specific requirements: *NO*

12.1.16 **Water**

[7.2] Option A (by contractor) (YES)

Option B (by employer - free of charge when available) (NO)

Option C (by employer - metered) (NO)

12.1.17 **Electricity**

[7.3] Option A (by contractor) (YES)

Option B (by employer - free of charge when available) (NO)

Option C (by employer - metered) (NO)

12.1.18 **Telecommunications**

[7.4] Telephone (YES)

Facsimile (NO)

E-mail (NO)

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| <p>12.1.19 Ablution facilities [7.5] Option A (by contractor) (YES)</p> <p style="padding-left: 40px;">Option B (by employer) (NO)</p> <p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required (Only when existing buildings)</p> <p>12.1.21 Special attendance [9.2] Electrical sub-contractor (1) details: Site Meetings</p> <p>12.1.22 Protection of works [11.1] Specific requirements: The contractor shall protect the works for the duration of the contract.</p> <p>12.1.23 Disturbance [11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p> <p>12.1.24 Environmental disturbance [11.6] Specific requirements: None</p> <p>12.2 POST-TENDER INFORMATION</p> <p>12.2.1 Payment of preliminaries [10.2] Option A (prorated) (NO) Option B (calculates) (YES)</p> <p>12.2.2 Adjustment of preliminaries [10.3] Option A (three categories) (YES) Option B (detailed breakdown) (YES)</p> | | |
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| <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | |

12.2.3 **Additional agreed preliminaries items**
Details: **EPWP requirements as per form C3.5 of the tender documentation.**

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R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPWI
ECDC-2021

SCHEDULE OF SUPPLEMENTARY INFORMATION

NOTE:

The information listed below is in respect of certain clauses in the Preliminaries, requiring the supplementary information

Amount of insurance against injury to person or property in respect of any single occurrence **R 5 million**

Amount of insurance against removal of support to adjoining properties in respect of any single occurrence

Not specifically prescribed

Contract Price Adjustment Provisions (CPAP): Contract Price Adjustment applicable

Contract period -

6 (Six) months

The date for site handover :- TBA

Amount of penalty per day on which the completion of the works may be in arrear:

R5.75 c per R100 of contract value per calendar day (Excluding VAT)

Contract drawing numbers:

A/101 to AG/601

Specification of materials and methods to be used:

Specification of Materials and Methods to be used - **PW 371, Fourth Revision, October 1993**

Edition of Standard System of measuring building work:

Seventh Edition including the latest amendments

SECTION C: SPECIFIC PRELIMINARIES

Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item

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PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPWI
ECDC-2021

101 **C1 CONTRACT DRAWINGS**

The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the **works** and the manner in which they are to be executed

Should any part of the drawings not be clearly intelligible to the tenderer he shall, before submitting his tender, obtain clarification in writing from the **principal agent**

Fixed: _____ Value related: _____ Time related: _____

Item

102 **C2 GENERAL PREAMBLES**

The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the **bills of quantities** and be referred to for the full descriptions of work to be done and materials to be used

Fixed: _____ Value related: _____ Time related: _____

Item

103 **C3 TRADE NAMES**

Wherever a trade name for any product has been described in the **bills of quantities**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used.

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

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| 104 | C4 | <p>IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (DPW23EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 105 | C5 | <p>VIEWING THE SITE IN SECURITY AREAS</p> <p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 106 | C6 | <p>COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
| 107 | C7 | <p>ENTRANCE PERMITS TO SECURITY AREAS</p> <p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> | Item | |
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| <p>PRELIMINARIES Bill No. 1 PRELIMINARIES DPWI ECDC-2021</p> | | | | |

108 C8 SECURITY CHECK OF PERSONNEL

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified

In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works**

Fixed: _____ Value related: _____ Time related: _____

Item

109 C9 PROHIBITION ON TAKING OF PHOTOGRAPHS

In terms of article 119 of the defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister

The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959

Fixed: _____ Value related: _____ Time related: _____

Item

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C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **Bills of Quantities**. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (Section A)" or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

110 **C10.1 AWARENESS CHAMPION**

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

111 **C10.2 AWARENESS WORKSHOPS**

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

112 **C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.**

Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

113 **C10.4 ACCESS TO CONDOMS**

Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

114 **C10.5 MONITORING**

Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

Fixed: _____ Value related: _____ Time related: _____

Item

C11 LABOUR-INTENSIVE WORKS

Those parts of the contract to be constructed using labour-intensive methods have been marked in the bill of quantities with the letters LI in a separate column filled in against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a variation to the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand, and this clause does not over-ride any of the requirements in the generic labour intensive specification in the Scope of Works.

Carried to Collection

R

115

C11.1 LABOUR INTENSIVE

Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

Fixed: _____ Value related: _____ Time
related: _____

Item

Carried to Collection

R

PRELIMINARIES
Bill No. 1
PRELIMINARIES
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 1

Bill No. 1

PRELIMINARIES

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Carried Forward

R

PRELIMINARIES

Bill No. 1

PRELIMINARIES

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 1

Bill No. 1

PRELIMINARIES

COLLECTION

Brought Forward

Page
No

Amount

R

Total Brought Forward from Page No.

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

Carried Forward

R

PRELIMINARIES

Bill No. 1

PRELIMINARIES

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 1

Bill No. 1

PRELIMINARIES

COLLECTION

Brought Forward

Page
No

R

Amount

Total Brought Forward from Page No.

43

Carried to Final Summary

R

PRELIMINARIES

Bill No. 1

PRELIMINARIES

**DPWI
ECDC-2021**

| Item No | Quantity | Rate | Amount |
|---|----------|------|--------|
| <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 2</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Nature of material to be excavated:</u></p> <p>The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock".</p> <p><u>Carting away of excavated material:</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.</p> | | | |
| Carried to Collection | | R | |
| <p>MAIN BUILDING (CLASSROOM) Bill No. 1 EARTHWORKS DPWI ECDC-2021</p> | | | |

Dewatering of excavations:

The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water

Density testing on filling:

Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.

Imported fill:

"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"

EXCAVATION, ETC OTHER THAN BULK

Site clearance etc:

| | | | |
|---|--|----|----|
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth | m2 | 94 |
| 2 | Stripping average 150mm thick layer of top soil and depositing material in prescribed stockpiles on site | m2 | 94 |

Excavation in earth not exceeding 2m deep:

| | | | |
|---|---------------|----|----|
| 3 | Trenches (LI) | m3 | 70 |
|---|---------------|----|----|

Extra over trench and hole excavations in earth for excavation in:

| | | | |
|---|------------|----|---|
| 4 | Soft rock. | m3 | 7 |
| 5 | Hard rock. | m3 | 4 |

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 1
EARTHWORKS
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|---|---|----|------|----------|
| <u>Extra over all excavations for carting away:</u> | | | | |
| 6 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 24 | |
| <u>Risk of collapse of excavations:</u> | | | | |
| 7 | Sides of trench and hole excavations not exceeding 1,5m deep. | m2 | 83 | |
| <u>Keeping excavations free of water:</u> | | | | |
| 8 | Keeping excavations free from mud and all water including subterranean sources. | | Item | |
| <u>EARTH FILLING, ETC.</u> | | | | |
| <u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 93% Mod. AASHTO density:</u> | | | | |
| 9 | Backfilling to trenches, holes, etc. | m3 | 33 | |
| 10 | Under floors, steps, pavings, etc. | m3 | 93 | |
| <u>Imported natural G7 Gravel compacted to 95% Mod AASHTO density in maximum 150mm thick layers at optimum moisture content:</u> | | | | |
| 11 | Under floors, steps, pavings, etc. | m3 | 14 | |
| <u>Imported natural G5 Gravel compacted to 95% Mod AASHTO density in maximum 150mm thick layers at optimum moisture content:</u> | | | | |
| 12 | Under floors, steps, pavings, etc. | m3 | 14 | |
| <u>Coarse river sand filling supplied by the contractor:</u> | | | | |
| 13 | Under floors etc. | m3 | 14 | |
| Carried to Collection | | | | R |
| MAIN BUILDING (CLASSROOM) Bill No. 1 EARTHWORKS DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Compaction of surfaces:

| | | | | |
|----|--|----|----|--|
| 14 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density. | m2 | 93 | |
|----|--|----|----|--|

Prescribed density tests on filling:

| | | | | |
|----|--|----|---|--|
| 15 | Allow for compaction tests by an approved laboratory to determine density of filling material. | No | 2 | |
|----|--|----|---|--|

SOIL POISONING

Approved brand of anti-termite soil poison applied by a Registered Pest Control Company and guaranteed against termite infestation for ten years:

| | | | | |
|----|---|----|----|--|
| 16 | Treat filling under concrete beds with 'Chlordane Heptachlor Aldrin' or equal approved. | m2 | 93 | |
|----|---|----|----|--|

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 1
EARTHWORKS
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

Bill No. 1

EARTHWORKS

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

47

48

49

50

Carried Forward to Summary of Section No. 2

R

MAIN BUILDING (CLASSROOM)

Bill No. 1

EARTHWORKS

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION 2</u> | | | | |
| | SANS 1200 | <u>BILL NO. 2</u> | | | | |
| | | <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Cost of tests:</u> | | | | |
| | | The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). | | | | |
| | | Carried to Collection | | | | R |
| | | MAIN BUILDING (CLASSROOM) Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | | |
|---|----|--|----|---|---|
| | | <p><u>Formwork:</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.</p> <p><u>UNREINFORCED CONCRETE</u></p> <p><u>10MPa/19mm concrete:</u></p> | | | |
| | LI | | | | |
| 1 | | Surface blinding under footings and bases | m3 | 2 | |
| 2 | | Apron | m3 | 2 | |
| | | Carried to Collection | | | R |
| | | <p>MAIN BUILDING (CLASSROOM) Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | | |
|---|----|---|----|------|----------|
| | | <u>REINFORCED CONCRETE</u> | | | |
| | LI | <u>25MPa/19mm concrete:</u> | | | |
| 3 | | Strip footing. | m3 | 11.2 | |
| | | <u>CONCRETE TESTS</u> | | | |
| | | <u>Test blocks:</u> | | | |
| 4 | | Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional). | No | 3 | |
| | | <u>CONCRETE SUNDRIES</u> | | | |
| | | <u>Finishing top surfaces of concrete smooth with a power float</u> | | | |
| 5 | | Surface beds, slabs, etc | m2 | 102 | |
| | | <u>MOVEMENT JOINTS ETC</u> | | | |
| 6 | | 10mm Bitumen impregnated softboard joint filler set between vertical brick surfaces not exceeding 300mm wide. (LI) | m | 55 | |
| 7 | | 10mm Closed cell expanded polyethylene expansion joint with tear-off strip in joint not exceeding 300mm high or wide set between concrete and/or brick surfaces. (LI) | m | 55 | |
| | | <u>Two layers of 375 micron "Consol Plastic Brickgrip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed</u> | | | |
| 8 | | Not exceeding 300mm wide | m | 82 | |
| | | Carried to Collection | | | |
| | | MAIN BUILDING (CLASSROOM) Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021 | | | R |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|----|---|----|------|---|
| 9 | <p><u>"Sondor" or similar approved expansion joints with "Jointex" softbaord between concrete and brick surfaces</u></p> <p>10mm Vertical isolation joints not exceeding 300mm high with 10mm pull out strip to surface beds</p> | m | 20 | |
| 10 | <p><u>"Sondor" or similar approved expansion joints with "Jointex" softboard between horizontal concrete surfaces</u></p> <p>20mm Joints exceeding 300mm high or wide</p> | m2 | 8 | |
| | <p><u>REINFORCEMENT (PROVISIONAL)</u></p> <p><u>Fabric reinforcement:</u></p> | | | |
| 11 | <p>REF. 311 fabric reinforcement in concrete surface beds, slabs, etc.</p> | m2 | 94 | |
| | <p><u>Mild steel reinforcement to structural concrete work</u></p> | | | |
| 12 | <p>10mm Diameter bars</p> | t | 0.90 | |
| | <p><u>High tensile steel reinforcement to structural concrete work</u></p> | | | |
| 13 | <p>16mm Diameter bars</p> | t | 1.00 | |
| 14 | <p>12mm Diameter bars</p> | t | 1.00 | |
| | <p>Carried to Collection</p> | | | R |
| | <p>MAIN BUILDING (CLASSROOM) Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | |
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| Section No. 2 Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT <u>COLLECTION</u> Total Brought Forward from Page No. | Page No 52 53 54 55 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 2 | | R |
| MAIN BUILDING (CLASSROOM) Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021 | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO. 2</u> | | | | |
| | SANS 1200 | <u>BILL NO. 4</u> | | | | |
| | | <u>MASONRY</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Sizes in descriptions:</u> | | | | |
| | | Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick. | | | | |
| | | <u>Face bricks:</u> | | | | |
| | | Bricks shall be ordered timeously to obtain uniformity in size and colour. | | | | |
| | | Carried to Collection | | | | R |
| | | MAIN BUILDING (CLASSROOM) Bill No. 3 MASONARY DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

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|---|-----------|---|----|-----|----------|
| | | <p><u>Pointing:</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>Samples, etc:</u></p> <p>Rates for brickwork, faced brickwork, etc shall include for all required samples.</p> <p><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></p> <p><u>Brickwork of "Corobrik or similar approved" NFX burnt clay bricks (14 MPa nominal compressive strength) in class I mortar.</u></p> | | | |
| 1 | SANS 1200 | One brick walls | m2 | 80 | |
| | | <p><u>BRICKWORK IN SUPERSTRUCTURE</u></p> <p><u>Brickwork of "Corobrik or similar approved" NFX burnt clay bricks (14 MPa nominal compressive strength) in class I mortar</u></p> | | | |
| 2 | SANS 1200 | One brick wall. (LI) concrete block | m2 | 204 | |
| 3 | | Half brick walls in beamfilling | m2 | 8 | |
| | | <p><u>BRICKWORK SUNDRIES</u></p> <p><u>Builders work in connection with services in Brick walls (form hole including making good).</u></p> | | | |
| 4 | | Holes for pipes, ducts, etc n.e 0.1m2 | No | 5 | |
| | | Carried to Collection | | | R |
| | | <p>MAIN BUILDING (CLASSROOM) Bill No. 3 MASONARY DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

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|----|----|--|----|-----|---|
| 5 | | <u>Joint forming material in movement joints:</u> | | | |
| | | 10mm Jointex filler 220mm wide with tear-off strip seal 10 x 10 with Sikaflex Pro 2HP between brick skins, concrete, etc (Provisional). | m | 20 | |
| | LI | <u>Brickwork reinforcement:</u> | | | |
| 6 | | 150mm Wide reinforcement built in horizontally. | m | 681 | |
| 7 | | Ditto, but in foundations (Provisional). | m | 631 | |
| 8 | | 150mm Wide reinforcement built in horizontally. | m | 679 | |
| 9 | | Ditto, but in foundations (Provisional). | m | 631 | |
| | | <u>Prestressed fabricated lintels:</u> | | | |
| 10 | | 150 x 70mm Lintels in lengths not exceeding 3m | m | 11 | |
| | | <u>Galvanised hoop iron cramps, ties, etc:</u> | | | |
| 11 | | 40 x 1,6mm "Tibond or similar approved" wall tie strips 800mm long shot pinned to concrete and with other end bent out and built into brickwork (maximum 425mm vertical) | No | 78 | |
| | | <u>30 x 1,6mm Wall tie 600mm long with one end fixed to timber and other built into brickwork or concrete.</u> | | | |
| 12 | | 30 x 1,6mm Roof tie 1500mm long with one end fixed to timber and other built into brickwork or concrete. | No | 8 | |
| | | Carried to Collection | | | R |
| | | MAIN BUILDING (CLASSROOM) Bill No. 3 MASONARY DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

13

Air bricks, etc. (Provisional)

229 x 152 x 35mm Clay
verminproofed louvred airbrick. (LI)

No

8

Carried to Collection

R

MAIN BUILDING (CLASSROOM)

Bill No. 3

MASONARY

DPWI

ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

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|--|--|--|---|
| Section No. 2 Bill No. 3 MASONARY <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 57 58 59 60 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 2 | | | R |
| MAIN BUILDING (CLASSROOM) Bill No. 3 MASONARY DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <p><u>BILL NO. 4</u></p> <p><u>WATERPROOFING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Waterproofing:</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.</p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> | | | | |
| | | Carried to Collection | | | | R |
| | | MAIN BUILDING (CLASSROOM) Bill No. 4 WATERPROOFING DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|---|---|----|-----|----------|
| 1 | <p><u>One layer of 375 micron "Brikgrip DPC (SABS) or similar approved" embossed damp proof course well lapped at joints and intersections bedded and joined in cement mortar</u></p> <p>In walls</p> | m2 | 61 | |
| 2 | <p><u>One layer of 375 micron "Brikgrip DPC (SABS) or similar approved" embossed damp proof course wrapped around timber roof members</u></p> <p>Around 50 x 152mm rafters through one brickwork</p> | No | 8 | |
| 3 | <p><u>One layer of 250 micron 'Consol Plastics Gunplas Green' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u></p> <p>Under surface beds, lapped 50mm and sealed at all joints (measured net).</p> | m2 | 102 | |
| 4 | <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>One layer "Bituthene 3000 or similar approved" fully bonded waterproofing to:</u></p> <p>Around aluminium frames</p> | m2 | 1 | |
| 5 | <p><u>JOINT SEALANTS ETC</u></p> <p><u>Clear neutral silicone sealant:</u></p> <p>In joint sealing and pointing all round external window and door frames.</p> | m | 73 | |
| 6 | <p>In joint sealing and pointing between cornice and walls.</p> | m | 81 | |
| | Carried to Collection | | | R |
| | <p>MAIN BUILDING (CLASSROOM) Bill No. 4 WATERPROOFING DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|---|--|--|---|
| Section No. 2 Bill No. 4 WATERPROOFING <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 62 63 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 2 | | | R |
| MAIN BUILDING (CLASSROOM) Bill No. 4 WATERPROOFING DPWI ECDC-2021 | | | |

| Item No | Quantity | Rate | Amount |
|---|----------|------|--------|
| <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Fixing:</u></p> <p>Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.</p> <p><u>Guarantee:</u></p> <p>The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.</p> <p><u>Pricing:</u></p> <p>Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).</p> <p style="text-align: right; margin-right: 50px;">Carried to Collection</p> <p>MAIN BUILDING (CLASSROOM) Bill No. 5 ROOF COVERING, ETC DPWI ECDC-2021</p> | | | R |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

'Saflok Charcoal grey' corrugated roof sheet 0.5mm thick roof sheeting as per manufacturer's specification on 75 x 50mm timber purlins at 1200mm maximum centres on 114 x 38mm timber trusses at maximum 1400mm centres.

| | | | |
|---|--|----|-----|
| 1 | Roof covering with pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m. | m2 | 100 |
| 2 | Ridge capping, 408mm girth | m | 13 |
| 3 | Side wall flashing, 408mm girth | m | 18 |

ROOF AND WALL INSULATION

"Super Sisalation" Heavy Industrial Grade 420 or other approved - Double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm):

| | | | |
|---|---|----|-----|
| 4 | Insulation laid taut over purlins (at approximately 1m centres) and fixed concurrent with roof covering, including taped laps and nylon / galvanised straining wires. | m2 | 100 |
|---|---|----|-----|

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 5
ROOF COVERING, ETC
**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

Bill No. 5

ROOF COVERING, ETC

COLLECTION

Total Brought Forward from Page No.

**Page
No**

65

66

Amount

Carried Forward to Summary of Section No. 2

R

MAIN BUILDING (CLASSROOM)

Bill No. 5

ROOF COVERING, ETC

**DPWI
ECDC-2021**

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Prefabricated roof trusses:</u></p> <p>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.</p> <p>Prices must include for all cross and windbracing according to the manufacturer's instruction.</p> <p>Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.</p> <p>Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.</p> <p style="text-align: right; margin-right: 20px;">Carried to Collection</p> <p>MAIN BUILDING (CLASSROOM) Bill No. 6 CARPENTRY AND JOINERY DPWI ECDC-2021</p> | | | R |

Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

(a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.

Carried to Collection

MAIN BUILDING (CLASSROOM)
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

R

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).
- (f) Seperate connection details for hip, valley and jack rafters.
- (g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.
- (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:

"The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".

An Engineers approval certificate will be required from the contractor once the roof installation is complete.

Joinery:

Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Fixing:

All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Where items are described as "bolted" the bolts have been measured elsewhere.

ROOFS ETC

Sawn softwood:

PREFABRICATED ROOF TRUSSES, ETC.

| | | | |
|---|---|---|------|
| 1 | Roof construction to pitched roof 7.5 x 12.57m overall building on plan to 30 degree pitch with 300mm eaves overhang on two sides including trusses, jack rafters, permanent bracing , loose connectors, hangers, stainless steel 10mm diameter round bar struts, bolts and 50 x 76mm purlins at 900mm centres hoisted into position at maximum of 3700mm high all complete in accordance to manufactures recommendation (wall plates elsewhere). | | Item |
| 2 | Roof construction of Lean-to roof 4 x 8 m overall building on plan with 300mm eaves overhang on two sides including trusses, jack rafters, permanent bracing , loose connectors, hangers, stainless steel 10mm diameter round bar struts, bolts and 50 x 76mm purlins at 900mm centres hoisted into position at maximum of 3700mm high all complete in accordance to manufactures recommendation (wall plates elsewhere). | | Item |
| 3 | 38 x 114mm Wall plate. | m | 46 |
| 4 | 50 x 76mm Bearer fascia support. | m | 46 |

Carried to Collection

R

MAIN BUILDING (CLASSROOM)

Bill No. 6

CARPENTRY AND JOINERY

DPWI

ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

EAVES, VERGES, ETC.

High density plain Nutec-cement:

| | | | |
|---|--|----|----|
| 5 | 225 x 12mm thick fascia boards and barge board fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with heads filled and aluminium H-profile corner joiners at board ends. | m | 45 |
| 6 | Eaves soffit coverings 600mm wide of 4mm thick sheets, including 38 x 38mm sawn softwood brandering along edges, along centre and at 1.20m centres across sheets | m2 | 12 |

DOORS ETC.

Approved semi-solid flush doors, with masonite veneer both sides and with hardwood edge strips, tongued and grooved on to edges, hung to steel or timber frames:

| | | | |
|---|--|----|---|
| 7 | 44mm Thick, single flush door semi solid core door, size 813 x 2032mm high.(D1,2*) | No | 4 |
| <u>Class "B" Fire doors all in accordance to SANS 1253</u> | | | |
| 8 | 44mm Thick, single flush door semi solid core door including masonite and galvanizing, size 813 x 2032mm high.(DF) | No | 2 |

FRAMED FRAMES ETC.

Wrought meranti:

| | | | |
|----|---------------------------------|---|----|
| 9 | 43 x 86mm hardwood timber frame | m | 30 |
| 10 | 32 x 107mm Rebated linings | m | 3 |
| 11 | 69 x 107mm Weathered threshold | m | 3 |

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

JOINERY AND FURNITURE

12 Purpose made folding door size 7500 x 2600 mm
maximum height including double door .

No 1

BUDGETARY ALLOWANCE

Joinery and Furniture

13 Office Shelves, Classroom Shelves and Kitchen
Cupboards.

No 1

14 1-Single sized bed (sick bay)

No 1

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

Bill No. 6

CARPENTRY AND JOINERY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

68

69

70

71

72

73

Carried Forward to Summary of Section No. 2

R

MAIN BUILDING (CLASSROOM)

Bill No. 6

CARPENTRY AND JOINERY

**DPWI
ECDC-2021**

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>CEILINGS PARTITIONS AND ACCESS FLOORING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Descriptions:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.</p> <p><u>NAILED UP CEILINGS</u></p> | | | |
| Carried to Collection | | | R |
| MAIN BUILDING (CLASSROOM) Bill No. 7 .CEILINGS, PARTITIONS AND ACCESS FLOORING DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

12.5mm "Rhino" gypsum plasterboard with 63mm wide strips of mesh scrim nailed over joints and the whole finished with skim plaster trowelled to a smooth polished surface

| | | | | |
|-----------------------------------|--|----|-----|--|
| 1 | Ceiling including 38x38mm SA pine brandering at 600mm centres | m2 | 100 | |
| 2 | Extra over ceilings for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brandering covered with ceiling board and fitted flush in opening | No | 1 | |
| <u>Shadow line cornice</u> | | | | |
| 3 | Shadowline cornice to nailed up ceiling. | m | 81 | |

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 7
.CEILINGS, PARTITIONS AND ACCESS FLOORING
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

Bill No. 7

.CEILINGS, PARTITIONS AND ACCESS FLOORING

COLLECTION

Total Brought Forward from Page No.

**Page
No**

75

76

Amount

Carried Forward to Summary of Section No. 2

R

MAIN BUILDING (CLASSROOM)

Bill No. 7

.CEILINGS, PARTITIONS AND ACCESS FLOORING

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | <u>SECTION NO. 2</u> | Quantity | Rate | Amount |
|------------|--|----------|------|--------|
| | <u>BILL NO. 8</u> | | | |
| | <u>FLOOR COVERINGS, PLASTIC LININGS, ETC.</u> | | | |
| | <u>FLOOR COVERINGS</u> | | | |
| | <u>Pearlazzo pur rain cloud sheeting or similar approved"</u> | | | |
| 1 | On floors | m2 | 126 | |
| | Carried Forward to Summary of Section No. 2 | | | R |
| | MAIN BUILDING (CLASSROOM) Bill No. 8 FLOOR COVERING, WALL LININGS, ETC DPWI ECDC-2021 | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO.2</u></p> <p><u>BILL NO.9</u></p> <p><u>IRONMONGERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:</p> <p><u>Finishes to ironmongery:</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing:</p> <p>Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories</p> <p>Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories</p> <p><u>HINGES, BOLTS, ETC.</u></p> | | | |
| <p>Carried to Collection</p> | | R | |
| <p>MAIN BUILDING (CLASSROOM) Bill No. 9 IRONMONGERY DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Hinges:

"Dorma":

| | | | |
|---|---|-------|-----|
| 1 | B3599 x 300mm SC "W&B Hardware" lever action flush bolt to top 'Ward' face of inactive leaf | Pairs | 1.0 |
|---|---|-------|-----|

HANDLES, KEYHOLES, ETC

LOCKS

The following locks are in one set with a master key:

"Union"

| | | | |
|---|--|----|---|
| 2 | L-22315-76SS Profile cylinder sash lockset | No | 2 |
| 3 | Standard two lever mortice lockset | No | 6 |
| 4 | 2 x 19SC euro profile knob cylinder and turn, master keyed | No | 1 |
| 5 | Masterkey. | No | 2 |

(End of the following in)

HANDLES

"Union"

| | | | |
|---|---|----|---|
| 6 | AL687-09AS Bishop lever door furniture | No | 2 |
| 7 | CZ682-24SC Satin chrome Gower lever handles | No | 6 |

PUSH AND KICKING PLATES

| | | | |
|---|---|----|---|
| 8 | 150mm wide x 345mm high x 1,6mm thick stainless steel plate 304 grade, six times countersunk drilled for back to back screw fixing and twice drilled at 280mm ccs for pull handle fixing. Plate to have no sharp edges or corners | No | 4 |
|---|---|----|---|

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 9
IRONMONGERY
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | | |
|--|---|----|---|---|--|
| 9 | 813mm Wide x 300mm high x 1,6mm thick satin finish stainless steel 304 grade kick plate full width of door leaf. Plate glued and screwed to face of door leaf with stainless steel raised and countersunk headed screws at approx. 200mm ccs. | No | 4 | | |
| <u>LETTERS, NAMEPLATES, ETC</u> | | | | | |
| <u>Approved 1.2mm thick aluminium</u> | | | | | |
| 10 | 150 x 150mm Tea cup sign | No | 1 | | |
| 11 | 150 x 150mm Cleaner sign | No | 1 | | |
| 12 | 150 x 150mm Kids sign | No | 1 | | |
| <u>WRITING AND PINNING BOARDS</u> | | | | | |
| <u>Writing boards</u> | | | | | |
| <u>"Vitrex model 2200" or similar approved white board, fitted with "pen" rail to base, plugged and screwed to wall</u> | | | | | |
| 13 | Board size 1 800 x 900mm | No | 2 | | |
| <u>Pinning boards</u> | | | | | |
| <u>"Vitrex model 2300" or similar approved pinning board, fitted with rail to base, plugged and screwed to wall,</u> | | | | | |
| 14 | Board size 1 200 x 1 200mm | No | 2 | | |
| Carried to Collection | | | | R | |
| <p>MAIN BUILDING (CLASSROOM) Bill No. 9 IRONMONGERY DPWI ECDC-2021</p> | | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

Bill No. 9

IRONMONGERY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

79

80

81

Carried Forward to Summary of Section No. 2

R

MAIN BUILDING (CLASSROOM)

Bill No. 9

IRONMONGERY

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <p><u>SECTION NO.2</u></p> <p><u>BILL NO.11</u></p> <p><u>METALWORK</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Descriptions</p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><u>NOTE: All steel will be Hot dipped galvanised unless otherwise stated</u></p> <p><u>GALVANISED PRESSED STEEL DOOR FRAMES</u></p> <p><u>SUNDRIES</u></p> <p><u>Brushed finish brass steel:</u></p> | | | |
| 1 | 4 x 30mm Weatherbar set in concrete flush with floor finish. | m | 5 | |
| | Carried to Collection | | | R |
| | <p>MAIN BUILDING (CLASSROOM)</p> <p>Bill No. 10</p> <p>METALWORK</p> <p>DPWI</p> <p>ECDC-2021</p> | | | |

ALUMINIUM WINDOWS, DOORS ETC

All windows to be approved by the Architect prior to installation.

Windows to be glazed to SANS min. standards - 4mm clear glass in panes smaller than 1500mm square millimeters, 5mm clear glass in panes smaller than 2100 square millimeters, 6 mm clear glass in panes smaller than 3200 square millimeters and 6mm safety glass for panes lower than 900mm above FFL (fit obscure glazing in toilets and ablutions). All to SANS standards and Architect approval. Standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications.

Note: Tenderers are referred to architect's drawings indicating in the general window layout as annexed to these bills of quantities for tender purposes.

WINDOWS

All aluminium units to comply with AAAMSA standards concerning sections and sizes and to be Dark Bronze anodised with 4mm thick laminated tinted safety glass, complete with subframes, ironmongery, glass, sealing, including burglar bars by manufacturer etc and fixing to brickwork.

| | | | |
|---|---|----|---|
| 2 | Charcoal grey aluminium window size 1800 x 900mm high (W1), architect to confirm detailed window specification as per window schedule | No | 2 |
| 3 | Charcoal grey aluminium window size 1800 x 1200mm high (W2) , architect to confirm detailed window specification as per schedule | No | 4 |
| 4 | Charcoal grey aluminium window size 1500 x 1500mm high (W3) , architect to confirm detailed window specification as per schedule | No | 4 |
| 5 | Charcoal grey aluminium window size 1500 x 600mm high (W4) , architect to confirm detailed window specification as per schedule | No | 1 |

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 10
METALWORK
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

Bill No. 10

METALWORK

COLLECTION

Total Brought Forward from Page No.

**Page
No**

83

84

Amount

Carried Forward to Summary of Section No. 2

R

MAIN BUILDING (CLASSROOM)

Bill No. 10

METALWORK

DPWI

ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO.2</u> | | | | |
| | SANS 1200 | <u>BILL NO.12</u> | | | | |
| | | <u>PLASTERING</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>SCREEDS</u> | | | | |
| 1 | | 30mm Thick on floors and landings. (LI) | m2 | 100 | | |
| | | <u>INTERNAL PLASTER</u> | | | | |
| | | <u>Cement plaster on brickwork:</u> | | | | |
| 2 | | On walls. | m2 | 251 | | |
| 3 | | On narrow widths not exceeding 300mm wide. | m2 | 79 | | |
| | | <u>EXTERNAL PLASTER</u> | | | | |
| | | Carried to Collection | | | | R |
| | | MAIN BUILDING (CLASSROOM) Bill No. 11 PLASTERING DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|---|--|----|-----|----------|
| 4 | <p><u>Cement plaster on brickwork:</u></p> <p>On walls.</p> | m2 | 158 | |
| | <p>Carried to Collection</p> <p>MAIN BUILDING (CLASSROOM) Bill No. 11 PLASTERING DPWI ECDC-2021</p> | | | <p>R</p> |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

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|---|--|--|---|
| Section No. 2 Bill No. 11 PLASTERING <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 86 87 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 2 | | | R |
| MAIN BUILDING (CLASSROOM) Bill No. 11 PLASTERING DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO.2</u> | | | | |
| | SANS 1200 | <u>BILL NO.13</u> | | | | |
| | | <u>TILING</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Fixing:</u> | | | | |
| | | Tiling shall be fixed with an approved tile adhesive to a plaster backing. Plaster backing is measured elsewhere. A diamond blade with angle grinder must be strictly used to trim/cut any tiling to shape. | | | | |
| | | <u>WALL TILING</u> | | | | |
| | | Carried to Collection | | | | R |
| | | MAIN BUILDING (CLASSROOM) Bill No. 12 TILING DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|---|---|----|----|----------|
| 1 | <p><u>600 x 600 "Ceramic" wall tiles with adhesive to screeds (screeds elsewhere) and 3mm flush pointed with waterproof tinted jointing compound</u></p> <p>On walls</p> | m2 | 20 | |
| | Carried to Collection | | | R |
| | <p>MAIN BUILDING (CLASSROOM) Bill No. 12 TILING DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|---|--|--|---|
| Section No. 2 Bill No. 12 TILING <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 89 90 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 2 | | | R |
| MAIN BUILDING (CLASSROOM) Bill No. 12 TILING DPWI ECDC-2021 | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO.2</u></p> <p><u>BILL NO. 14</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Copper pipes:</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.</p> <p><u>Chasing:</u></p> <p>Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.</p> | | | |
| Carried to Collection | | R | |
| <p>MAIN BUILDING (CLASSROOM)</p> <p>Bill No. 13</p> <p>PLUMBING AND DRAINAGE (PROVISIONAL)</p> <p>DPWI</p> <p>ECDC-2021</p> | | | |

Holes for pipes through new walls:

No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 13
PLUMBING AND DRAINAGE (PROVISIONAL)
**DPWI
ECDC-2021**

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Stainless steel basins, sinks, wash troughs, urinals, etc:

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.

Fixing:

Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.

Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.

Waste unions:

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.

Sleeve pipes:

Electrical sleeve pipes to be Class 34 and are to include for draw wires.

RAINWATER DISPOSAL:

"Watertite" or similar approved PVC:

1 150mm Wide box eaves gutter fixed to fibre-cement fascia board as described.

m

40

Carried to Collection

R

MAIN BUILDING (CLASSROOM)

Bill No. 13

PLUMBING AND DRAINAGE (PROVISIONAL)

DPWI

ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|---|---|----|----|
| 2 | Extra on eaves gutter for stopped end. | No | 4 |
| 3 | Extra on eaves gutter for external angle. | No | 2 |
| 4 | 100mm Diameter square rainwater pipe fixed to walls. | m | 10 |
| 5 | Extra over for shoe. | No | 4 |
| 6 | Extra over for bend. | No | 4 |
| <u>Extra over PVC pipes for fittings:</u> | | | |
| 7 | 110mm Bend. | No | 15 |
| 8 | 150mm bend. | No | 5 |
| 9 | 110mm Access bend. | No | 5 |
| 10 | 150mm Access bend. | No | 8 |
| <u>Extra over HDPE pipes for fittings</u> | | | |
| 11 | 110 x 50mm Reducer | No | 15 |
| 12 | 50mm Bend | No | 58 |
| 13 | 110mm Bend | No | 10 |
| <u>SANITARY FITTINGS</u> | | | |
| <u>'Franke (t/a Citimetal)' grade 304 (18/10) stainless steel catering ware:</u> | | | |
| 14 | "FRANKE " Cascade CDX621-120 inset sink, including all necessary fittings and installation. Similar products will be approved to architects discretion. | No | 1 |
| <u>TAPS, VALVES, ETC</u> | | | |
| <u>Brushed finish brass steel:</u> | | | |
| 15 | 15mm Bibcock with hose union. | No | 1 |

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 13
PLUMBING AND DRAINAGE (PROVISIONAL)
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Single lever sink mixer:

16 Franke Highrise Swivel single lever Sink mixer (115.0193.183) with temperature control cartridge. 1/2 BSP femal inlet including basin mixer, base plate,6l min flow restrictor, 1/2 female iron and 400mm long inlet complete.

No 1

Sundries, etc:

17 Standard 15mm stainless steel braided female swivel connection piece 350mm long.

No 3

18 15mm Ball-O-stop.

No 1

WATER SUPPLIES

"Jojo" water tanks, etc

19 2 500 Litre cylinder vertical tank complete with lid and standard outlet fitted with and including 30mm pipe, including setting in position on concrete stand (stand elsewhere measured) and tying down with three double strands of 4mm diameter galvanised wire with ends secured into the stand

No 2

Fittings

20 "Purain" or other equal approved rainwater filters PR100 model with non-return valve and chamber cover.

No 1

21 Adaptor from 75mm diameter aluminium rainwater pipe to 100mm diameter inlet of PR100 rainwater filter.

No 1

22 Hole through side of tank for and fit "Purain Seal-110" or other equal approved 110mm rubber seal.

No 1

Carried to Collection

R

MAIN BUILDING (CLASSROOM)
Bill No. 13
PLUMBING AND DRAINAGE (PROVISIONAL)
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

Bill No. 13

PLUMBING AND DRAINAGE (PROVISIONAL)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

92

93

94

95

96

Carried Forward to Summary of Section No. 2

R

MAIN BUILDING (CLASSROOM)

Bill No. 13

PLUMBING AND DRAINAGE (PROVISIONAL)

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>SECTION NO.2</u> | | | |
| | <u>BILL NO.15</u> | | | |
| | <u>GLAZING</u> | | | |
| | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>Proprietary products in descriptions:</u> | | | |
| | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | |
| | <u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u> | | | |
| | <u>6mm framed mirror with edges holed for and fixed with screws with rubber buffers to plugs in brickwork or concrete:</u> | | | |
| 1 | Mirror 600 x 1200mm high. | No | 1 | |
| | Carried Forward to Summary of Section No. 2 | | R | |
| | MAIN BUILDING (CLASSROOM) Bill No. 14 GLAZING DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 2

SECTION SUMMARY - MAIN BUILDING (CLASSROOM)

| Bill No | | Page No | Amount |
|---------|--|---------|--------|
| 1 | EARTHWORKS | 51 | |
| 2 | CONCRETE FORMWORK AND REINFORCEMENT | 56 | |
| 3 | MASONARY | 61 | |
| 4 | WATERPROOFING | 64 | |
| 5 | ROOF COVERING, ETC | 67 | |
| 6 | CARPENTRY AND JOINERY | 74 | |
| 7 | CEILINGS, PARTITIONS AND ACCESS FLOORING | 77 | |
| 8 | FLOOR COVERING, WALL LININGS, ETC | 78 | |
| 9 | IRONMONGERY | 82 | |
| 10 | METALWORK | 85 | |
| 11 | PLASTERING | 88 | |
| 12 | TILING | 91 | |
| 13 | PLUMBING AND DRAINAGE (PROVISIONAL) | 97 | |
| 14 | GLAZING | 98 | |
| | Carried to Final Summary | | R |
| | MAIN BUILDING (CLASSROOM) | | |
| | DPWI | | |
| | ECDC-2021 | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO. 2</u> | | | | |
| | SANS 1200 | <u>BILL NO. 1</u> | | | | |
| | | <u>EARTHWORKS (PROVISIONAL)</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Nature of material to be excavated:</u> | | | | |
| | | The material to be excavated is assumed to be predominantly of a composition that will allow excavation in "earth" as specified, but including a percentage of excavation in "soft rock" and "hard rock". | | | | |
| | | Carried to Collection | | | | R |
| | | PIT TOILETS Bill No. 1 EARTHWORKS (PROVISIONAL) DPWI ECDC-2021 | | | | |

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|---|-----------|---|----|----|---|
| 1 | SANS 1200 | <p><u>Carting away of excavated material:</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site.</p> <p><u>Dewatering of excavations:</u></p> <p>The Contractor shall allow for removing seepage and other water from subterranean sources from the excavations by pumping, baling or otherwise. Accurate records of all such dewatering shall be kept to determine the total volume of water so removed and a clear distinction shall be made between water from subterranean sources and other water</p> <p><u>Density testing on filling:</u></p> <p>Rates for filling, etc. shall include for all density and soil type testing to prove that the specified compaction is achieved. When additional testing is done on instruction of the Principal Agent and these tests are successful, they will be paid for additionally.</p> <p><u>Imported fill:</u></p> <p>"Filling and bedding to trenches etc. to be in compliance with SABS 1200 DB and LB respectively"</p> <p><u>SITE CLEARANCE</u></p> <p><u>Site clearance etc:</u></p> <p>Stripping average 200mm thick layer of top soil and depositing material in prescribed stockpiles on site</p> <p style="text-align: center;">Carried to Collection</p> <p>PIT TOILETS Bill No. 1 EARTHWORKS (PROVISIONAL) DPWI ECDC-2021</p> | m2 | 34 | R |
|---|-----------|---|----|----|---|

| | | | | | |
|---|---|----|-----|------|---|
| | <u>BULK EXCAVATION, FILLING, ETC (PROVISIONAL)</u> | | | | |
| | <u>Excavation in earth for basement not exceeding 2m deep</u> | | | | |
| 2 | Basements | m3 | 86 | | |
| | <u>EXCAVATION, ETC OTHER THAN BULK</u> | | | | |
| | <u>Excavation in earth not exceeding 2m deep:</u> | | | | |
| 3 | Trenches. (LI) | m3 | 33 | | |
| | <u>Extra over all excavations for carting away:</u> | | | | |
| 4 | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor. | m3 | 16 | | |
| | <u>Risk of collapse of excavations:</u> | | | | |
| 5 | Sides of trench and hole excavations exceeding 1,5m deep. | m2 | 100 | | |
| | <u>Keeping excavations free of water:</u> | | | | |
| 6 | Keeping excavations free from mud and all water including subterranean sources. | | | Item | |
| | <u>Extra over trench and hole excavations in earth for excavation in:</u> | | | | |
| 7 | Soft rock. | m3 | 1 | | |
| 8 | Hard rock. | m3 | 2 | | |
| | <u>SOIL POISONING</u> | | | | |
| | Carried to Collection | | | | R |
| | PIT TOILETS | | | | |
| | Bill No. 1 | | | | |
| | EARTHWORKS (PROVISIONAL) | | | | |
| | DPWI | | | | |
| | ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

9

**Approved brand of anti-termite soil
poison applied by a Registered Pest
Control Company and guaranteed
against termite infestation for ten
years:**

Treat filling under concrete beds with
'Chlordane Heptachlor Aldrin' or equal
approved.

m2

34

Carried to Collection

R

PIT TOILETS
Bill No. 1
EARTHWORKS (PROVISIONAL)
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

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|--|--|--|---|
| Section No. 3 Bill No. 1 EARTHWORKS (PROVISIONAL) <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 100 101 102 103 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 3 | | | R |
| PIT TOILETS Bill No. 1 EARTHWORKS (PROVISIONAL) DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION 2</u> | | | | |
| | SANS 1200 | <u>BILL NO. 2</u> | | | | |
| | | <u>CONCRETE, FORMWORK AND REINFORCEMENT</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Cost of tests:</u> | | | | |
| | | The costs of making, storing and testing of concrete test cubes as required under clause 7 'Tests' of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the Architect. The testing shall be undertaken by an independent firm or institution nominated by the Contractor to the approval of the Architect. (Test cubes are measured separately). | | | | |
| | | Carried to Collection | | | | R |
| | | PIT TOILETS Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021 | | | | |

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|---|----|--|----|---|---|
| | | <p><u>Formwork:</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as left in or permanent), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of solid slabs etc., shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described.</p> <p>Formwork to sides of bases, pile caps, ground beams, etc., will only be measured where it is prescribed by the Engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks.</p> <p><u>UNREINFORCED CONCRETE</u></p> <p><u>10MPa/19mm concrete:</u></p> | | | |
| 1 | LI | Apron | m3 | 2 | |
| 2 | | Surface blinding under footings and bases | m3 | 5 | |
| | | Carried to Collection | | | R |
| | | PIT TOILETS Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | | |
|---|-----------|---|----|-----|---|
| | | <u>REINFORCED CONCRETE</u> | | | |
| | LI | <u>25MPa/19mm concrete:</u> | | | |
| 3 | | Strip footing. | m3 | 3.5 | |
| | SANS 1200 | <u>30Mpa/19mm concrete</u> | | | |
| 4 | | Slabs, including beams and inverted beams | m3 | 5 | |
| | | <u>CONCRETE TESTS</u> | | | |
| | | <u>Test blocks:</u> | | | |
| 5 | | Making and testing set of three 150x150x150mm concrete strength test cubes (Provisional). | No | 4 | |
| | | <u>CONCRETE SUNDRIES</u> | | | |
| | | <u>Finishing top surfaces of concrete smooth with a power float</u> | | | |
| 6 | | Surface beds, slabs, etc | m2 | 45 | |
| | | <u>Finishing top surfaces of concrete smooth with a wood float including non-slip brush finish</u> | | | |
| 7 | | Apron | m2 | 11 | |
| 8 | | Surface beds, slabs, etc | m2 | 34 | |
| | | <u>ROUGH FORMWORK (DEGREE OF ACCURACY III) (CPAP Work Group No 111)</u> | | | |
| | | <u>Rough Formwork to Sides:</u> | | | |
| 9 | | Edges, risers, ends and reveals not exceeding 300mm high or wide. | m | 34 | |
| | | Carried to Collection | | | |
| | | PIT TOILETS | | | |
| | | Bill No. 2 | | | |
| | | CONCRETE FORMWORK AND REINFORCEMENT | | | |
| | | DPWI | | | |
| | | ECDC-2021 | | | |
| | | | | | R |

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|----|-----------|--|----|------|---|
| | | <u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u> | | | |
| | | <u>Smooth formwork to sides and soffits:</u> | | | |
| 10 | SANS 1200 | Slabs | m2 | 34 | |
| | | <u>MOVEMENT JOINTS ETC</u> | | | |
| | | <u>Two layers of 375 micron "Consol Plastic Brickgrip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed</u> | | | |
| 11 | | Not exceeding 300mm wide | m | 17 | |
| | | <u>"Sondor" or similar approved expansion joints with "Jointex" softbaord between concrete and brick surfaces</u> | | | |
| 12 | | 10mm Vertical isolation joints not exceeding 300mm high with 10mm pull out strip to surface beds | m | 10 | |
| | | <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| | | <u>Fabric reinforcement:</u> | | | |
| 13 | | REF. 311 fabric reinforcement in concrete surface beds, slabs, etc. | m2 | 34 | |
| | | <u>Mild steel reinforcement to structural concrete work</u> | | | |
| 14 | | 10mm Diameter Bars | t | 1.10 | |
| | | <u>High tensile steel reinforcement to structural concrete work</u> | | | |
| 15 | | 12mm Diameter bars | t | 1.00 | |
| 16 | | 10mm Diameter bars | t | 0.20 | |
| | | Carried to Collection | | | R |
| | | PIT TOILETS Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

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| Section No. 3 Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 105 106 107 108 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 3 | | | R |
| PIT TOILETS Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO. 2</u> | | | | |
| | SANS 1200 | <u>BILL NO. 3</u> | | | | |
| | | <u>MASONRY</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Sizes in descriptions:</u> | | | | |
| | | Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick. | | | | |
| | | <u>Face bricks:</u> | | | | |
| | | Bricks shall be ordered timeously to obtain uniformity in size and colour. | | | | |
| | | Carried to Collection | | | | R |
| | | PIT TOILETS Bill No. 3 MASONARY DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | | |
|---|-----------|--|----|-----|---|
| | | <p><u>Pointing:</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc.</p> <p><u>Samples, etc:</u></p> <p>Rates for brickwork, faced brickwork, etc shall include for all required samples.</p> <p><u>BRICKWORK IN FOUNDATIONS (PROVISIONAL)</u></p> <p><u>Brickwork of "Mampara or similar approved" Dillhouse Miniature (14 MPa nominal compressive strength) in class I mortar.</u></p> | | | |
| 1 | SANS 1200 | One brick walls(LI) | m2 | 65 | |
| | | <p><u>Brickwork of "Corobrik or similar approved" NFX burnt clay bricks (14 MPa nominal compressive strength) in class I mortar.</u></p> | | | |
| 2 | | One brick walls(LI) | m2 | 26 | |
| | | <p><u>SUPERSTRUCTURE</u></p> <p><u>BRICKWORK IN SUPERSTRUCTURE</u></p> <p><u>Brickwork of "Corobrik or similar approved" NFX burnt clay bricks (14 MPa nominal compressive strength) in class I mortar</u></p> | | | |
| 3 | | One brick wall (LI) | m2 | 102 | |
| | | Carried to Collection | | | R |
| | | <p>PIT TOILETS Bill No. 3 MASONARY DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | | |
|----|----|--|----|-----|---|
| | | <u>BRICKWORK SUNDRIES</u> | | | |
| | | <u>Builders work in connection with services in Brick walls (form hole including making good).</u> | | | |
| 4 | | Holes for pipes, ducts, etc n.e 0.1m2 (LI) | No | 2 | |
| | LI | <u>Bagging and sealing the outer face of the inner skin of walls with 1:3 cement and sand mixture and seal with two coats "Brixéal" bitumen emulsion waterproofing coating:</u> | | | |
| 5 | | To walls (provisional). | m2 | 35 | |
| | | <u>Joint forming material in movement joints:</u> | | | |
| 6 | | 10mm Jointex filler 220mm wide with tear-off strip seal 10 x 10 with Sikaflex Pro 2HP between brick skins, concrete, etc (Provisional). | m | 17 | |
| 7 | | 35mm Expanded polystyrene (density 33kg per m3) built in vertically between brick skins | m2 | 118 | |
| | LI | <u>Brickwork reinforcement:</u> | | | |
| 8 | | 75mm Wide reinforcement built in horizontally. | m | 250 | |
| 9 | | Ditto, but in foundations (Provisional). | m | 7 | |
| 10 | | 150mm Wide reinforcement built in horizontally. | m | 105 | |
| 11 | | Ditto, but in foundations (Provisional). | m | 31 | |
| | | Carried to Collection | | | |
| | | PIT TOILETS Bill No. 3 MASONARY DPWI ECDC-2021 | | | R |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|----|---|----|----|---|
| 12 | <p><u>Prestressed fabricated lintels:</u></p> <p>110 x 75mm Lintels in lengths not exceeding 3m.</p> | m | 23 | |
| 13 | <p><u>Galvanised hoop iron cramps, ties, etc:</u></p> <p>30 x 1,6mm Wall tie 600mm long with one end fixed to timber and other built into brickwork or concrete.</p> | No | 6 | |
| 14 | <p>30 x 1,6mm Roof tie 1500mm long with one end fixed to timber and other built into brickwork or concrete.</p> | No | 10 | |
| 15 | <p><u>Air bricks etc:</u></p> <p>230 x 76mm Cement vermin proof air brick with gauze.</p> | No | 2 | |
| 16 | <p>230 x 229mm Clay vermin proof air brick with gauze.</p> | No | 2 | |
| | Carried to Collection | | | R |
| | <p>PIT TOILETS Bill No. 3 MASONARY DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

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|--|--|--|---|
| Section No. 3 Bill No. 3 MASONARY <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 110 111 112 113 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 3 | | | R |
| PIT TOILETS Bill No. 3 MASONARY DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO. 2</u> | | | | |
| | SANS 1200 | <u>BILL NO. 4</u> | | | | |
| | | <u>WATERPROOFING</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Waterproofing:</u> | | | | |
| | | Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs. | | | | |
| | | <u>DAMPPROOFING OF WALLS AND FLOORS</u> | | | | |
| | | Carried to Collection | | | | R |
| | | PIT TOILETS Bill No. 4 WATERPROOFING DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|---|---|----|----|---|
| 1 | <p><u>One layer of 375 micron "Brikgrip DPC (SABS) or similar approved" embossed damp proof course well lapped at joints and intersections bedded and joined in cement mortar</u></p> | m2 | 4 | |
| 2 | <p>LI</p> <p><u>One layer of 250 micron 'Consol Plastics Gunplas Green' waterproof sheeting sealed at laps with 'Gunplas Pressure Sensitive Tape':</u></p> <p>Under surface beds, lapped 50mm and sealed at all joints (measured net).</p> | m2 | 34 | |
| 3 | <p><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></p> <p><u>One layer "Bituthene 3000 or similar approved" fully bonded waterproofing to:</u></p> <p>Around aluminium frames</p> | m2 | 5 | |
| 4 | <p><u>One layer "Derbigum SP4 or similar approved" waterproofing membrane, sealed to primed surface to falls and crossfalls, strictly in accordance with the manufacturer's specification, applied by an approved applicator.</u></p> <p>On mono pitched roofs</p> | m2 | 34 | |
| 5 | <p>Turn-ups and turn-downs exceeding 300mm high</p> | m2 | 11 | |
| 6 | <p><u>Glass fibre bandage flashing membrane set in two coats bitumen flashing compound:</u></p> <p>Bandage flashing 150mm wide to roofs (Provisional).</p> | m | 10 | |
| | <p><u>JOINT SEALANTS ETC</u></p> <p style="text-align: center;">Carried to Collection</p> | | | R |
| | <p>PIT TOILETS Bill No. 4 WATERPROOFING DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | | | |
|---|----|---|---|----|--|---|
| | LI | | | | | |
| 7 | | <u>Clear neutral silicone sealant:</u> | | | | |
| | | In joint sealing and pointing all round external window and door frames. | m | 24 | | |
| 8 | | In joint sealing and pointing between cornice and walls. | m | 62 | | |
| | | Carried to Collection | | | | |
| | | PIT TOILETS Bill No. 4 WATERPROOFING DPWI ECDC-2021 | | | | R |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|---|--|---|--|
| Section No. 3 Bill No. 4 WATERPROOFING <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 115 116 117 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 3 | | | R |
| PIT TOILETS Bill No. 4 WATERPROOFING DPWI ECDC-2021 | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 5</u></p> <p><u>ROOF COVERINGS</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Fixing:</u></p> <p>Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.</p> <p><u>Guarantee:</u></p> <p>The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.</p> <p><u>Pricing:</u></p> <p>Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).</p> <p style="text-align: right; margin-right: 50px;">Carried to Collection</p> | | | R |
| <p>PIT TOILETS Bill No. 5 ROOF COVERING, ETC DPWI ECDC-2021</p> | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

0.50mm thick saflok 700 colorplus AZ150 interlocking roof sheeting as per manufacturer's specification on 75 x 50mm timber purlins at 1200mm maximum centres on 114 x 38mm timber trusses at maximum 1400mm centres.

| | | | |
|---|---|----|----|
| 1 | Roof covering with mono pitch not exceeding 25 degrees, in transportable lengths not exceeding 20m. | m2 | 34 |
| 2 | Ridge capping, 408mm girth | m | 5 |
| 3 | Side wall flashing, 408mm girth | m | 5 |

Chromadek 0.60mm thick roof sheeting to be installed onto 75 x 50mm sa pine purlins by self tapping screws with neoprene washers all to manufacturers recommendations. Roof ridging, roof flashing and all necessary waterproofing needed to give good water tight finish all provided by manufacturer, colour as per architect's approval.

| | | | |
|---|--|----|----|
| 4 | Roof covering with mono pitches not exceeding 25 degrees | m2 | 34 |
|---|--|----|----|

ROOF AND WALL INSULATION

"Super Sisalation" Heavy Industrial Grade 420 or other approved - Double sided reflective foil laminate incorporating layers of kraft paper and reinforcing scrim, laminated together with low density polyethylene (293gsm):

| | | | |
|---|---|----|----|
| 5 | Insulation laid taut over purlins (at approximately 1m centres) and fixed concurrent with roof covering, including taped laps and nylon / galvanised straining wires. | m2 | 34 |
|---|---|----|----|

Carried to Collection

R

PIT TOILETS
Bill No. 5
ROOF COVERING, ETC
**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 3

Bill No. 5

ROOF COVERING, ETC

COLLECTION

Total Brought Forward from Page No.

**Page
No**

119

120

Amount

Carried Forward to Summary of Section No. 3

R

PIT TOILETS

Bill No. 5

ROOF COVERING, ETC

DPWI

ECDC-2021

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Prefabricated roof trusses:</u></p> <p>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.</p> <p>Prices must include for all cross and windbracing according to the manufacturer's instruction.</p> <p>Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.</p> <p>Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.</p> <p style="text-align: right; margin-right: 20px;">Carried to Collection</p> <p>PIT TOILETS Bill No. 6 CARPENTRY AND JOINERY DPWI ECDC-2021</p> | | | R |

Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.

The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.

In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.

Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:

(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.

(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.

(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.

(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.

The following minimum information shall be shown on the drawings:

(a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.

Carried to Collection

PIT TOILETS
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

R

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

- (b) Bracing as recommended by the Institute for Timber Construction.
- (c) Sizes and grading of the timber components.
- (d) Truss sizes, e.g. height of ridge or angle of pitch.
- (e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).
- (f) Seperate connection details for hip, valley and jack rafters.
- (g) Maximum spacing for purlins and branding to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.
- (h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:

"The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".

An Engineers approval certificate will be required from the contractor once the roof installation is complete.

Joinery:

Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.

Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.

Carried to Collection

R

PIT TOILETS
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

Fixing:

All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.

Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Where items are described as "bolted" the bolts have been measured elsewhere.

ROOFS ETC

Sawn softwood:

| | | | |
|---|----------------------------------|---|----|
| 1 | 38 x 114mm Wall plate. | m | 34 |
| 2 | 50 x 76mm Purlins. | m | 80 |
| 3 | 50 x 76mm Bearer fascia support. | m | 34 |

PREFABRICATED ROOF TRUSSES, ETC.

Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturers. Trusses to be a minimum of 1200mm centres and are to support metal roof covering. Ceilings are either gypsum plasterboard or claddit (suspended or fixed). Prices must include for the design , plans and approval of all timber trusses and no claim shall be considered. An Engineers approval certificate is required once the roof truss installation is complete and is for the contractors account.

Carried to Collection

R

PIT TOILETS
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Plate nailed timber roof truss construction:

Note: Tenderers are referred to the Architects roof plan drawings annexed to these bills of quantities / accompanying these bills of quantities for tender purposes. Specifications and calculations of prefabricated roof must be supplied by the contractor on award of the contract. Descriptions (prices) shall be deemed to include design.

4 Roof construction to pitched roof 3.44 x 4.89m overall building on plan to 22 degree pitch with 300mm eaves overhang on two sides including trusses, jack rafters, permanent bracing , loose connectors, hangers, stainless steel 10mm diameter round bar struts, bolts and 50 x 76mm purlins at 900mm centres hoisted into position at maximum of 3700mm high all complete in accordance to manufactures recommendation (wall plates elsewhere).

Item

5 Roof construction to pitched roof 3.44 x 4.89m overall building on plan to 22 degree pitch with 300mm eaves overhang on two sides including trusses, jack rafters, permanent bracing , loose connectors, hangers, stainless steel 10mm diameter round bar struts, bolts and 50 x 76mm purlins at 900mm centres hoisted into position at maximum of 3700mm high all complete in accordance to manufactures recommendation (wall plates elsewhere).

Item

EAVES, VERGES, ETC.

High density plain Nutec-cement:

6 225 x 12mm thick fascia boards and barge board fixed to timber rafters twice screwed with 12 x 40mm countersunk brass screws with heads filled and aluminium H-profile corner joiners at board ends.

m

17

Carried to Collection

R

PIT TOILETS
Bill No. 6
CARPENTRY AND JOINERY
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | | |
|----|--|----|----|----------|
| 7 | Eaves soffit coverings 300mm wide of 4mm thick sheets, including 38 x 38mm sawn softwood banding along edges, along centre and at 1.20m centres across sheets | m2 | 1 | |
| | <u>DOORS ETC.</u> | | | |
| | <u>Approved semi-solid flush doors, with masonite veneer both sides and with hardwood edge strips, tongued and grooved on to edges, hung to steel or timber frames:</u> | | | |
| 8 | 44mm Thick, single flush door semi solid core door, size 813 x 2032mm high.(D1,2*) | No | 10 | |
| | <u>FRAMED FRAMES ETC.</u> | | | |
| | <u>Wrought meranti:</u> | | | |
| 9 | 43 x 86mm hardwood timber frame | m | 50 | |
| 10 | 32 x 107mm Rebated linings | m | 50 | |
| 11 | 69 x 107mm Weathered threshold | m | 50 | |
| | Carried to Collection | | | R |
| | PIT TOILETS | | | |
| | Bill No. 6 | | | |
| | CARPENTRY AND JOINERY | | | |
| | DPWI | | | |
| | ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 3

Bill No. 6

CARPENTRY AND JOINERY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

122

123

124

125

126

127

Carried Forward to Summary of Section No. 3

R

PIT TOILETS

Bill No. 6

CARPENTRY AND JOINERY

DPWI

ECDC-2021

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO. 2</u></p> <p><u>BILL NO. 7</u></p> <p><u>CEILINGS PARTITIONS AND ACCESS FLOORING</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Descriptions:</u></p> <p>Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.</p> <p>Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.</p> <p><u>NAILED UP CEILINGS</u></p> | | | |
| Carried to Collection | | | R |
| PIT TOILETS Bill No. 7 CEILINGS, PARTITIONS AND ACCESS FLOORING DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

12.5mm "Rhino" gypsum plasterboard with 63mm wide strips of mesh scrim nailed over joints and the whole finished with skim plaster trowelled to a smooth polished surface

| | | | |
|-----------------------------------|--|----|----|
| 1 | Ceiling including 38x38mm SA pine brandering at 600mm centres | m2 | 34 |
| 2 | Extra over ceiling for making and forming holes for down lighters, sprinkler heads, fire detector unit, etc not exceeding 150mm diameter | No | 10 |
| 3 | Extra over ceilings for 650 x 650mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brandering covered with ceiling board and fitted flush in opening | No | 2 |
| <u>Shadow line cornice</u> | | | |
| 4 | Shadowline cornice to nailed up ceiling. | m | 61 |

Carried to Collection

R

PIT TOILETS
Bill No. 7
CEILINGS, PARTITIONS AND ACCESS FLOORING
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 3

Bill No. 7

CEILINGS, PARTITIONS AND ACCESS FLOORING

COLLECTION

Total Brought Forward from Page No.

**Page
No**

129

130

Amount

Carried Forward to Summary of Section No. 3

R

PIT TOILETS

Bill No. 7

CEILINGS, PARTITIONS AND ACCESS FLOORING

DPWI

ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO.2</u> | | | | |
| | SANS 1200 | <u>BILL NO.13</u> | | | | |
| | | <u>TILING</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>Fixing:</u> | | | | |
| | | Tiling shall be fixed with an approved tile adhesive to a plaster backing. Plaster backing is measured elsewhere. A diamond blade with angle grinder must be strictly used to trim/cut any tiling to shape. | | | | |
| | | <u>FLOOR TILES</u> | | | | |
| | SANS 1200 | <u>400 x 400mm ceramic tiles</u> | | | | |
| 1 | | On floors | m2 | 34 | | |
| 2 | | Skirting 100mm high | m | 43 | | |
| | | Carried to Collection | | | R | |
| | | PIT TOILETS Bill No. 8 TILING DPWI ECDC-2021 | | | | |

| | | | | | |
|----|---------------------------|--|----|----|---|
| | <u>WALL TILING</u> | | | | |
| LI | | <u>Stone Ivory Ceramic Matt wall tiles 800 x 265 mm or similar approved, fixed in accordance to manufactures specifications.Grouting colour recommended:White</u> | | | |
| 3 | | On walls in isolated panels, splashbacks, etc | m2 | 26 | |
| 4 | | Cut and fit tiles around WC pan. | No | 4 | |
| | | Carried to Collection | | | |
| | | PIT TOILETS Bill No. 8 TILING DPWI ECDC-2021 | | | R |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|--|--|--|---|
| Section No. 3 Bill No. 8 TILING <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 132 133 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 3 | | | R |
| PIT TOILETS Bill No. 8 TILING DPWI ECDC-2021 | | | |

| Item No | Quantity | Rate | Amount |
|---|----------|------|--------|
| <p><u>SECTION NO.2</u></p> <p><u>BILL NO.9</u></p> <p><u>IRONMONGERY</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent:</p> <p><u>Finishes to ironmongery:</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list BS Satin bronze lacquered CP Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded Fixing:</p> <p>Descriptions of wall mounted and floor standing ironmongery items shall be deemed to include for fixing in position and all fixing accessories</p> <p>Descriptions of proprietary items shall be deemed to include fixing in position and all fixing accessories</p> <p><u>HINGES, BOLTS, ETC.</u></p> | | | |
| Carried to Collection | | | R |
| PIT TOILETS Bill No. 9 IRONMONGERY DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Hinges:

"Dorma":

| | | | |
|---|--|-------|------|
| 1 | Dormakaba 102 x 75 x 2mm Stainless Steel two ball bearing butt hinge. (DBB-SS-009) | Pairs | 10.0 |
| 2 | H101SC "HOWICK" 150 x 32mm satin chrome on brass barrel bolt to bottom face of inactive leaf | No | 2 |

HANDLES, KEYHOLES, ETC

LOCKS

The following locks are in one set with a master key:

"Union"

| | | | |
|---|--|----|---|
| 3 | 22314-76SS Bathroom lockset | No | 6 |
| 4 | L-22315-76SS Profile cylinder sash lockset | No | 4 |
| 5 | Standard three lever mortice lockset | No | 6 |

(End of the following in)

HANDLES

| | | | |
|---|---|----|---|
| 6 | DPH 301A Tubular stainless pull handle 305mm long x 25mm diameter bolted to stainless steel plate with 2 only M8 x 25mm hex. headed galv. bolts and washers (bolts elsewhere measured). | No | 2 |
|---|---|----|---|

"Union"

| | | | |
|---|--|----|---|
| 7 | AL687-09AS Bishop lever door furniture | No | 4 |
| 8 | CZ682-73SC Satin chrome Gower bathroom handles | No | 6 |

"Franke"

Carried to Collection

R

PIT TOILETS
Bill No. 9
IRONMONGERY
DPWI
ECDC-2021

BATHROOM FITTINGS

| | | | |
|-------------------------------------|--|----|---|
| 9 | Brushed stainless steel toilet roll holders with sight inspection hole. Holding 3 toilet rolls and lockable-samples to be presented to architect for approval. | No | 8 |
| 10 | 300 x 270 x 520mm High "Stratos STRX 605" (code 359730) or other approved wall mounted waste bin units, plugged | No | 4 |
| <u>"Chairman Industries"</u> | | | |
| 11 | B3775 "W&B Hardware" stainless steel angle side rail | No | 2 |
| 12 | B3773 "W&B Hardware" stainless steel cistern back rail | No | 2 |

LETTERS, NAMEPLATES, ETC

Approved 1.2mm thick aluminium

| | | | |
|----|---------------------------|----|---|
| 13 | 150 x 150mm Male sign | No | 1 |
| 14 | 150 x 150mm Female sign | No | 1 |
| 15 | 150 x 150mm Disabled sign | No | 2 |

Carried to Collection

R

PIT TOILETS
Bill No. 9
IRONMONGERY
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 3

Bill No. 9

IRONMONGERY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

135

136

137

Carried Forward to Summary of Section No. 3

R

PIT TOILETS

Bill No. 9

IRONMONGERY

DPWI

ECDC-2021

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>SECTION NO.2</u> | | | |
| | <u>BILL NO.11</u> | | | |
| | <u>METALWORK</u> | | | |
| | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | Descriptions | | | |
| | Descriptions of bolts shall be deemed to include nuts and washers | | | |
| | Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete | | | |
| | Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described | | | |
| | <u>NOTE: All steel will be Hot dipped galvanised unless otherwise stated</u> | | | |
| | <u>GALVANISED MILD STEEL, HANDRAILS, BALUSTRADES, ETC</u> | | | |
| | <u>Handrails to ramps fixed to concrete/brickwork (please note that all items include for both raking and horizontal balustrading), complete</u> | | | |
| 1 | 2mm Thick x 35mm diameter OD galvanised mild steel hollow grab rail fixed to galvanised mild steel solid bracket (bracket elsewhere measured) | No | 2 | |
| 2 | Extra over 35mm diameter galvanised mild steel hollow grab rail for stopped ends | No | 4 | |
| | Carried to Collection | | | R |
| | PIT TOILETS | | | |
| | Bill No. 10 | | | |
| | METALWORK | | | |
| | DPWI | | | |
| | ECDC-2021 | | | |

ALUMINIUM WINDOWS, DOORS ETC

All windows to be approved by the Architect prior to installation.

Windows to be glazed to SANS min. standards - 4mm clear glass in panes smaller than 1500mm square millimeters, 5mm clear glass in panes smaller than 2100 square millimeters, 6 mm clear glass in panes smaller than 3200 square millimeters and 6mm safety glass for panes lower than 900mm above FFL (fit obscure glazing in toilets and ablutions). All to SANS standards and Architect approval. Standard window furniture complete with screws and bolts installed strictly according to AAAMSA standards and specifications.

Note: Tenderers are referred to architect's drawings indicating in the general window layout as annexed to these bills of quantities for tender purposes.

Burglar bars shall be 5 x 20mm flat horizontal bars to all sections spaced at 150mm apart.

WINDOWS

All aluminium units to comply with AAAMSA standards concerning sections and sizes and to be Dark Bronze anodised with 4mm thick laminated tinted safety glass, complete with subframes, ironmongery, glass, sealing, including burglar bars by manufacturer etc and fixing to brickwork.

| | | | | |
|---|---|----|----|--|
| 3 | Charcoal grey aluminium window size 533 x 654mm high (W3), with one opening sections, top hung outward opening including. | No | 10 | |
|---|---|----|----|--|

Carried to Collection

R

PIT TOILETS
Bill No. 10
METALWORK
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 3

Bill No. 10

METALWORK

COLLECTION

Total Brought Forward from Page No.

**Page
No**

139

140

Amount

Carried Forward to Summary of Section No. 3

R

PIT TOILETS

Bill No. 10

METALWORK

DPWI

ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | Labour Ref | | Unit | Quantity | Rate | Amount |
|---------|------------|--|------|----------|------|--------|
| | SANS 1200 | <u>SECTION NO.2</u> | | | | |
| | SANS 1200 | <u>BILL NO.12</u> | | | | |
| | | <u>PLASTERING</u> | | | | |
| | | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | | |
| | | <u>SUPPLEMENTARY PREAMBLES</u> | | | | |
| | | <u>Proprietary products in descriptions:</u> | | | | |
| | | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | | |
| | | <u>GRANOLITHIC</u> | | | | |
| | LI | <u>Untinted granolithic on concrete (degree of accuracy grade III) :</u> | | | | |
| 1 | | 30mm Thick on floors and landings. | m2 | 11 | | |
| | | <u>INTERNAL PLASTER</u> | | | | |
| | | <u>Cement plaster on brickwork:</u> | | | | |
| 2 | | On walls. | m2 | 187 | | |
| 3 | SANS 1200 | On narrow widths not exceeding 300mm wide. | m | 1 | | |
| | | Carried to Collection | | | | R |
| | | PIT TOILETS Bill No. 11 PLASTERING DPWI ECDC-2021 | | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | <u>EXTERNAL PLASTER</u> | | | |
|---|-----------|---|----|----|----------|
| | | <u>Cement plaster on brickwork:</u> | | | |
| 4 | | On walls. | m2 | 87 | |
| 5 | SANS 1200 | On narrow widths not exceeding 300mm wide. | m | 19 | |
| | | Carried to Collection | | | R |
| | | PIT TOILETS Bill No. 11 PLASTERING DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|---|--|--|---|
| Section No. 3 Bill No. 11 PLASTERING <u>COLLECTION</u> Total Brought Forward from Page No. | | Page No 142 143 | Amount <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/> |
| Carried Forward to Summary of Section No. 3 | | | R |
| PIT TOILETS Bill No. 11 PLASTERING DPWI ECDC-2021 | | | |

| Item No | Quantity | Rate | Amount |
|--|----------|------|--------|
| <p><u>SECTION NO.2</u></p> <p><u>BILL NO. 14</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Copper pipes:</u></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be 'Cobra Watertech' type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground.</p> <p><u>Chasing:</u></p> <p>Chasing pipes into new walls shall be regarded as "building in" and is not measured separately. The cost of chasing, wrapping in suitable bown paper and making good shall be included in the rates for pipes.</p> <p style="text-align: right;">Carried to Collection</p> <p>PIT TOILETS Bill No. 12 PLUMBING AND DRAINAGE (PROVISIONAL) DPWI ECDC-2021</p> | | | R |

Holes for pipes through new walls:

No allowance for holes and drilling for pipes through new walls has been made in these bills of quantities, the price for all holes and making good shall be deemed to be included in the description of pipes.

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Description of pipes laid in trenches:

Descriptions of pipes laid in trenches shall be deemed to include for carting away all surplus excavated material to a dumping site located by the contractor.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

Carried to Collection

R

PIT TOILETS
Bill No. 12
PLUMBING AND DRAINAGE (PROVISIONAL)
**DPWI
ECDC-2021**

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB: Earthworks (Pipe trenches) Clause 5.7.2 will only be applicable if authorised by the Engineer in writing.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

Stainless steel basins, sinks, wash troughs, urinals, etc:

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.

Fixing:

Descriptions of wall mounted, floor standing, drop-in, etc type sanitary fittings shall be deemed to include fixing in position and all fixing accessories.

Descriptions of proprietary items shall include fixing in position and all fixing accessories as specified by the manufacturer.

Waste unions:

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.

Sleeve pipes:

Electrical sleeve pipes to be Class 34 and are to include for draw wires.

RAINWATER DISPOSAL:

"Watertite" or similar approved PVC:

1 150mm Wide box eaves gutter fixed to fibre-cement fascia board as described.

m

34

Carried to Collection

R

PIT TOILETS
Bill No. 12
PLUMBING AND DRAINAGE (PROVISIONAL)
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|---|---|----|----|
| 2 | Extra on eaves gutter for stopped end. | No | 4 |
| 3 | Extra on eaves gutter for external angle. | No | 4 |
| 4 | Extra on eaves gutter for outlet with nozzle for and joint 100mm diameter square rainwater pipe, including galvanised wire balloon grating. | No | 4 |
| 5 | 100mm Diameter square rainwater pipe fixed to walls. | m | 10 |
| 6 | Extra over for shoe. | No | 4 |
| 7 | Extra over for bend. | No | 4 |

SANITARY FITTINGS

'Franke (t/a Citimetal)' grade 304 (18/10) stainless steel catering ware:

| | | | |
|---|---|----|---|
| 8 | "FRANKE " Cascade CDX621-120 inset sink, including all necessary fittings and installation. Similar products will be approved to architects discretion. | No | 2 |
|---|---|----|---|

SOIL DRAINAGE

Excavations of pipe trenches will be measured in accordance with "Method B" and the width of excavations in more difficult material will be determined in accordance with "Method A" of the Standard System of Measuring Building Work Six Edition

NOTE: This is a Labour Intensive Construction section and items under this trade must be constructed under the GUIDELINES of EPWP.

WASTE UNIONS ETC

Waste unions etc:

| | | | |
|----|---|----|---|
| 9 | 32mm Code 301 chrome plated basin waste union. | No | 2 |
| 10 | 40mm Code 316 chrome plated unslotted bath or sink waste union. | No | 2 |

TRAPS ETC

Carried to Collection

R

PIT TOILETS
Bill No. 12
PLUMBING AND DRAINAGE (PROVISIONAL)
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

'Cobra Watertech' traps etc:

| | | | |
|----|--|----|---|
| 11 | 32mm Cobra Watertech chrome plated deep seal bottle trap with outlet for 50mm PVC (Code 345/50). | No | 4 |
| 12 | 40mm Chrome plated deep seal bottle trap with outlet for 50mm PVC (code 365/50). | No | 4 |

TAPS, VALVES, ETC

Brushed finish brass steel:

| | | | |
|----|-------------------------------|----|---|
| 13 | 15mm Bibcock with hose union. | No | 2 |
|----|-------------------------------|----|---|

Single lever sink mixer:

| | | | |
|----|---|----|---|
| 14 | Cobra Dura single lever plain basin mixer (DU-951) with temperature control cartridge. 1/2 BSP femal inlet including basin mixer, base plate,6l min flow restrictor, 1/2 female iron and 150mm long inlet complete. | No | 4 |
|----|---|----|---|

Medical elbow action mixer

| | | | |
|----|---|----|---|
| 15 | Cobra chrome medical elbow-action (Code 504-21R) pillar tap with high waist including elbow bottle washer, deck mounted sidecock with 1/4 turn ceramic disc head part and blue indice including 1/2 BSP male connection inlet and flanged backnut. | No | 2 |
|----|---|----|---|

Sundries, etc:

| | | | |
|----|--|----|---|
| 16 | Standard 15mm stainless steel braided female swivel connection piece 350mm long. | No | 2 |
| 17 | 15mm Ball-O-stop. | No | 2 |

WATER SUPPLIES

"Jojo" water tanks, etc

| | | | |
|----|--|----|---|
| 18 | Jojo Pit Pedestal VIP 450 toilet or similar approved | No | 8 |
|----|--|----|---|

Carried to Collection

R

PIT TOILETS
Bill No. 12
PLUMBING AND DRAINAGE (PROVISIONAL)
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

19 2 500 Litre cylinder vertical tank complete with lid and standard outlet fitted with and including 30mm pipe, including setting in position on concrete stand (stand elsewhere measured) and tying down with three double strands of 4mm diameter galvanised wire with ends secured into the stand

No

2

Carried to Collection

R

PIT TOILETS
Bill No. 12
PLUMBING AND DRAINAGE (PROVISIONAL)
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 3

Bill No. 12

PLUMBING AND DRAINAGE (PROVISIONAL)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

145

146

147

148

149

150

Carried Forward to Summary of Section No. 3

R

PIT TOILETS

Bill No. 12

PLUMBING AND DRAINAGE (PROVISIONAL)

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>SECTION NO.2</u> | | | |
| | <u>BILL NO.15</u> | | | |
| | <u>GLAZING</u> | | | |
| | The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities. | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | |
| | <u>Proprietary products in descriptions:</u> | | | |
| | Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. | | | |
| | <u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u> | | | |
| | <u>6mm framed mirror with edges holed for and fixed with screws with rubber buffers to plugs in brickwork or concrete:</u> | | | |
| 1 | Mirror 600 x 1200mm high. | No | 2 | |
| | Carried Forward to Summary of Section No. 3 | | | R |
| | PIT TOILETS Bill No. 13 GLAZING DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 3

SECTION SUMMARY - PIT TOILETS

| Bill No | | Page No | Amount |
|---------|--|---------|--------|
| 1 | EARTHWORKS (PROVISIONAL) | 104 | |
| 2 | CONCRETE FORMWORK AND REINFORCEMENT | 109 | |
| 3 | MASONARY | 114 | |
| 4 | WATERPROOFING | 118 | |
| 5 | ROOF COVERING, ETC | 121 | |
| 6 | CARPENTRY AND JOINERY | 128 | |
| 7 | CEILINGS, PARTITIONS AND ACCESS FLOORING | 131 | |
| 8 | TILING | 134 | |
| 9 | IRONMONGERY | 138 | |
| 10 | METALWORK | 141 | |
| 11 | PLASTERING | 144 | |
| 12 | PLUMBING AND DRAINAGE (PROVISIONAL) | 151 | |
| 13 | GLAZING | 152 | |
| | Carried to Final Summary | | R |
| | PIT TOILETS DPWI ECDC-2021 | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | | Quantity | Rate | Amount |
|------------|---------------------------------|----------|------|--------|
| | Carried to Final Summary | | | R |
| | EXTERNAL WORKS | | | |
| | Bill No. 1 | | | |
| | Empty Bill - System Generated | | | |
| | DPWI | | | |
| | ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Bill No | Section No. 4 | Page No | Amount |
|---------|---|---------|--------|
| | <u>SECTION SUMMARY - EXTERNAL WORKS</u> | | |
| | <u>SECTION NO.2</u> | | |
| | <u>BILL NO. 16</u> | | |
| | <u>EXTERNAL WORKS</u> | | |
| | <u>WATER STORAGE TANK</u> | | |
| | <u>EXCAVATIONS</u> | | |
| | <u>Excavation in earth not exceeding 2m deep</u> | | |
| | Trenches (LI) m3 | 3 | |
| | <u>SUNDRIES</u> | | |
| | <u>Extra over all excavations for carting away</u> | | |
| | Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor (LI) m3 | 5 | |
| | <u>Risk of collapse of excavations</u> | | |
| | Sides of trenches and holes excavations not exceeding 1.5m deep m2 | 16 | |
| | <u>FILLING, ETC</u> | | |
| | <u>Sabunga earth filling supplied by the contractor compacted to 95% Mod AASHTO density</u> | | |
| | Backfilling to trenches, holes, etc (LI) m3 | 2 | |
| | <u>Earth filling obtained from the excavations and / or prescribed stock piles on site compacted to 93% Mod. AASHTO density:</u> | | |
| | Under floors, steps, pavings, etc. m3 | 93 | |
| | Carried Forward | | R |
| | EXTERNAL WORKS DPWI ECDC-2021 | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 4

SECTION SUMMARY - EXTERNAL WORKS

**Bill
No**

**Page
No**

Amount

Brought Forward

R

**REINFORCED CONCRETE CAST AGAINST
EXCAVATED SURFACES**

25MPa/19mm concrete

Footings

m3

3

REINFORCEMENT

Fabric reinforcement:

REF. 311 fabric reinforcement in concrete surface beds,
slabs, etc.

m2

2

BRICKWORK

Brickwork of NFP (7 Mpa nominal compressive strength)
bricks in Class II cement mortar in

One brick wall (LI) 190mm concrete block

m2

48

BUDGETARY ALLOWANCE

Allow a Provisional Sum of R 38 000 (Thirty Eight
Thousand Rand Only) for Landcapping and outdoor play
area

Item

38 000,00

1 Empty Bill - System Generated

154

Carried to Final Summary

R

EXTERNAL WORKS

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | | Quantity | Rate | Amount |
|------------|---------------------------------|----------|------|--------|
| | Carried to Final Summary | | | R |
| | SMME PACKAGES | | | |
| | Bill No. 1 | | | |
| | Empty Bill - System Generated | | | |
| | DPWI | | | |
| | ECDC-2021 | | | |

Section No. 5

SECTION SUMMARY - SMME PACKAGES

Bill
No

Page
No

Amount

SECTION 5 : LOCAL SMME PACKAGES

BILL NO. 1

SUPPLEMENTARY PREAMBLES

Conditions of Local SMME packages:

The following provisional sums are for the work to be executed by local SMME's which will be regarded as sub-contractors to the main contractors. The works are not limited to the identified works and allocation will be to the discretion and approval of the Principal Agent.

Fencing

Provide the amount of R80 000.00 (Eighty thousand rand) for Fencing to be erected by a local SMME contractor.

Item 80 000.00

Profit

Item 8 000.00

Attendance

Item

Painting

Provide the amount of R100 000.00 (One Hundred thousand rand) for Painting by a local SMME contractor.

Item 100 000.00

Profit

Item 10 000.00

Attendance

Item

1 Empty Bill - System Generated

157

Carried to Final Summary

R

SMME PACKAGES

DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>SECTION NO.3</u> | | | |
| | <u>BILL NO.1</u> | | | |
| | <u>OCCUPATIONAL HEALTH AND SAFETY</u> | | | |
| 1 | (C.01 Preparation of the Contractor's site specific Health and safety Plan | Item | | |
| 2 | (C.02) Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations. | Item | | |
| 3 | (C.03) Principal contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations. | Item | | |
| 4 | Compliance to COVID-19 regulations i.e temperature screening, provision of personal protective equipment, filing and administration, hand sanitizers, inductions, social distancing signage ext all in accordance to government regulations | Item | | |
| | <u>(C.04 Provision of Personal Protective Equipment (PPE)</u> | | | |
| 5 | Reflective vests. | Item | | |
| 6 | Hard hats. | Item | | |
| 7 | Protective foot wear. | Item | | |
| 8 | Earplugs | Item | | |
| 9 | Gloves. | Item | | |
| 10 | High visibility overalls to SARTSM Chapter 13 Level 3. All overalls must be orange with EPWP (30 centimetres) letters on the back of the jacket and company logo on the heart pocket. | Item | | |
| | Carried to Collection | | R | |
| | OCCUPATIONAL HEALTH AND SAFETY Bill No. 1 OCCUPATIONAL HEALTH AND SAFETY DPWI ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| | | | |
|----|--|------|--|
| 11 | (C.05) Provision of full time Construction Health and Safety Officer. | Item | |
| | <u>(C.09) Noise monitoring</u> | | |
| | <u>(C.06) Cost of medical certificates and medical surveillance</u> | | |
| 12 | Initial (baseline) medical examinations. | Item | |
| 13 | Periodic and exit examinations. | Item | |
| 14 | Contractor's charges to allow for handling costs and profit in respect of sub items 13/X.06(a) and (b) | Item | |
| 15 | (C.07) Induction training. | Item | |
| 16 | (C.08) Provision of first Aid Boxes to GRS requirements. | Item | |
| | <u>(C.09) Noise monitoring</u> | | |
| 17 | Establishment of noise zones (plant) | Item | |
| 18 | Audiograms (personnel) | Item | |
| 19 | (C.10) Submission of Health and Safety File. | Item | |

Carried to Collection

R

OCCUPATIONAL HEALTH AND SAFETY
Bill No. 1
OCCUPATIONAL HEALTH AND SAFETY
DPWI
ECDC-2021

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

Section No. 6

Bill No. 1

OCCUPATIONAL HEALTH AND SAFETY

COLLECTION

Total Brought Forward from Page No.

**Page
No**

159

160

Amount

Carried to Final Summary

R

OCCUPATIONAL HEALTH AND SAFETY

Bill No. 1

OCCUPATIONAL HEALTH AND SAFETY

**DPWI
ECDC-2021**

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|------------|
| | <u>SECTION 4: PROVISIONAL AMOUNTS</u> | | | |
| | <u>BILL NO. 1</u> | | | |
| | <u>BUDGETARY ALLOWANCES</u> | | | |
| 1 | Provide the amount of R33 000 (Thirty Three thousand rand) for the appointment of Community Liaison Officer to be co-ordinated by contractor at R 5 500 per month for a period of 6 months | Item | | 33 000.00 |
| 2 | Provide the amount of R36,000.00 (Thirty Six Thousand Rand) for the provision of OHS specification as required by the Principal Agent in line with Occupational Health and Safety Regulations at R 6 000 per month for a period of 6 months | Item | | 36 000.00 |
| | <u>Electrical Installation and connection:</u> | | | |
| 3 | Provide the amount of R200 000 (Two Hundred Thousand rand only) for electrical installation and connection | Item | | 200 000.00 |
| 4 | Profit | Item | | |
| 5 | Attendance | Item | | |
| | Carried to Final Summary | | R | |
| | PROVISIONAL AMOUNTS | | | |
| | Bill No. 1 | | | |
| | PROVISIONAL AMOUNTS | | | |
| | DPWI | | | |
| | ECDC-2021 | | | |

**CONSTRUCTION OF EARLY CHILDHOOD DEVELOPMENT CENTRE AT
MSINTSANA LOCATION FOR THE PERIOD OF 06 MONTHS
SCMU5-21/22-0129**

| Section No | <u>FINAL SUMMARY</u> | Page No | Amount |
|------------|---|---------|--------------|
| 1 | PRELIMINARIES | 46 | |
| 2 | MAIN BUILDING (CLASSROOM) | 99 | |
| 3 | PIT TOILETS | 153 | |
| 4 | EXTERNAL WORKS | 156 | |
| 5 | SMME PACKAGES | 158 | |
| 6 | OCCUPATIONAL HEALTH AND SAFETY | 161 | |
| 7 | PROVISIONAL AMOUNTS | 162 | |
| | TOTAL OF BUILDING WORKS | | R |
| | Sub Total | | R |
| | <u>CONTINGENCY</u> | | |
| | Allow a contingency amount of R200 000-00 (Two Hundred Thousand Rand) to be used as directed by the Project Manager. | | R 200 000.00 |
| | Sub Total | | R |
| | Vat 15% | | R |
| | Carried to Form of Tender | | R |
| | DPWI ECDC-2021 | | |