



INDEPENDENT DEVELOPMENT TRUST

LDE/IA/B23/2019/20 (EDDP 184/122)

A Quotation for Category 6GB or higher CIDB Registered Contractors

MAKELLE PRIMARY SCHOOL

LOCATED IN MOREBENG VILLAGE (GOUD PLAAS), MOPANI DISTRICT, LIMPOPO PROVINCE

Name of Bidder : _____

Name of duly authorized person: _____

Address : _____

Tel. Number : _____

Cell number : _____

Fax number : _____

E-mail : _____



INDEPENDENT DEVELOPMENT TRUST

**COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION
BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND
EXTERNAL WORKS**

AT

**MAKELLE PRIMARY SCHOOL
LOCATED IN MOREBENG VILLAGE (GOUD PLAAS), MOPANI DISTRICT, LIMPOPO
PROVINCE**

QUOTATION NO: LDE/IA/B23/2019/20 (EDDP 184/122)

**COMPULSORY BRIEFING MEETING DATE: 10 NOVEMBER 2023 @ 11H00 MAKELLE
PRIMARY SCHOOL**

CLOSING DATE: 04 DECEMBER 2023 @ 12H00 AFTERNOON

ISSUED BY;

Independent Development Trust

P.O Box 55386

Polokwane

0700

Tel: (015) 295 0000



INDEPENDENT DEVELOPMENT TRUST

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS

Contents

Number | Heading

The Quotation

Part T1: Quotation procedures

T1.1 | Quotation Notice and Invitation to Quotation

T1.2 | Quotation Data

Part T2: Returnable documents

T2.1 List | of Returnable Documents

T2.2 | Returnable Schedules

The Contract

Part C1: Agreement and Contract Data

C1.1 | Form of Offer and Acceptance

C1.2 | Contract Data

C1.3 | Construction Guarantee

C1.4 | Adjudicator's appointment

Part C2: Pricing data

C2.1 | Pricing Instructions

C2.2 | Activity Schedule or Bills of Quantities

Part C3: Scope of Work

C3 | Scope of Work

Part C4: Site information

C4 | Site Information

Addenda

INDEPENDENT DEVELOPMENT TRUST

T1.1 Quotation Notice and Invitation to Quotation

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS

It is estimated that Bidders should have a CIDB contractor grading of **6GB** and above.

Documents will be available from the IDT website, CIDB i-tender and tender bulletin the **04TH November 2023**

Queries relating to the issues of these documents may be addressed to:

Technical

Mr. Thamsanqa Vilakazi

Tel No 015 295 0000

E- mail ThamsanqaV@idt.org.za

Or

Administrative enquiries'

Ms Kgotsofalo Malapane

Tel No 015 295 0000

E- mail KgotsofaloM@idt.org.za

Quotation documents to be submitted at the Quotation box of the IDT office:

INDEPENDENT DEVELOPMENT TRUST OFFICES

22 Hans Van Rensburg

POLOKWANE

0700

Quotation

1

T1.1

Part T1: Quotation procedures

Quotation Notice and Invitation to Quotation

BID NO: LDE/IA/B23/2019/20 (EDDP 184/122)

PLEASE NOTE THE FOLLOWING IMPORTANT DATES

- **Quotation Closing Date: 04 DECEMBER 2023 @ 12H00 AFTERNOON**
- **Compulsory briefing meeting: 10 November 2023 @ 11h00 AM Makelle Primary School**

Failure to attend the briefing meeting will invalidate your response to this bid

Quotation 2 T1.1

Part T1: Quotation procedures

Quotation Notice and Invitation to Quotation

INDEPENDENT DEVELOPMENT TRUST

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS

T1.2 Quotation Data

The conditions of Quotation are the Standard Conditions of Quotation as contained in Annex F of the CIDB Standard for Uniformity in Construction Procurement. (See www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of Bidders as an Annex to this Quotation Data.

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

The additional conditions of Quotation are:

Clause Quotation Data for BID NO: LDE/IA/B23/2019/20 (EDDP 184/122) number

F.1.1 The employer is the **Independent Development Trust, Limpopo Region**

F.1.2 The Quotation documents issued by the employer comprises:

T1.1 Quotation notice and invitation to Quotation

T1.2 Quotation data

T2.1 List of returnable documents

T2.2 Returnable schedules

Part 1: Agreements and contract data

C1.1 Form of offer and acceptance

C1.2 Contract data

C1.3 Form of Guarantee

C1.4 Adjudicator's
appointment

Part 2: Pricing data

C2.1 Pricing instructions

C2.2 Activity schedules / Bills of Quantities

Part 3: Scope of work

C3 Scope of work

Part 4: Site information

C4 Site information

F.2.1 Only those Bidders who are registered with the CIDB or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum Quotation for a **Grade 6GB or higher class** of construction work, are eligible to submit Quotations.

Joint ventures are eligible to submit Quotations provided that:

1. every member of the joint venture is registered with the CIDB;
2. the lead partner has a contractor grading designation in the Grade 6GB or higher class of construction work; and
3. the combined contractor grading designation calculated in accordance with the Construction Industry

Part T2: Returnable document

BID NO: LDE/IA/B23/2019/20 (EDDP 184/122)

Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum Quotation for a **(6GB or higher) General Building** class of construction work.

F.2.7 There shall be no compulsory briefing with representatives of the employer

F.2.12 No alternative Quotation offers will be considered

F.2.13.3 Parts of each Quotation offer communicated on paper shall be submitted as one original (i.e. no copies should be submitted).

F.2.13.5 The employer's address for delivery of Quotation offers and identification details to be shown on each Quotation.

Location of Quotation box: Physical address: -

INDEPENDENT DEVELOPMENT TRUST OFFICES

22 Hans Van Rensburg Street
POLOKWANE
0700

Identification details:

BID NO: LDE/IA/B23/2019/20 (EDDP 184/122)

TITLE: COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS.

Postal address: P O Box 55386, Polokwane, 0700

F.2.15 The closing time for submission of Quotation offers is as stated in the Quotation Notice and Invitation to Quotation.

Closing date: 04 DECEMBER 2023

Closing time: 12H00 AFTERNOON

F.2.15 Telephonic, Telegraphic, Telex, Facsimile or E-mailed Quotation offers will not be accepted.

F.2.16 The Quotation offer validity period is **90 (Ninety) days**.

F.2.17 The contract duration is **18 months** from date of Site Handover.

F.2.23 The Bidder is required to submit with his Quotation a Certificate of Contractor Registration issued by the Construction Industry Development Board; Compensation of Injury Diseases Act certificate (COIDA) and a valid Tax Clearance Certificate issued by the South African Revenue Services.

Part T2: Returnable documents

BID NO: LDE/IA/B23/2019/20 (EDDP 184/122)

Where a Bidder Quotations through joint venture formation, such Bidders should include a joint venture agreement duly signed by each partner and stamped by commissioner of oath.

F.3.4 Quotations will not be opened immediately after the closing time, they will be posted on the IDT Website within 7 days of closure.

F.3.11 Quotation offers will only be accepted if the following are submitted:

BID DOCUMENTS WILL BE EVALUATED IN TERMS OF THE MANDATORY REQUIREMENTS AND GENERIC FUNCTIONALITY CRITERIA AS FOLLOWS:

PHASE ONE - MANDATORY REQUIREMENTS

1. Authority to Sign this BID (for companies that has more than one director).
2. Service Providers must be registered on Central Supplier Database (MAAA Number to be used to verify registration)
3. Proof of Public Liability cover of R10 000 000, 00(Ten million)
4. Proof of Valid and Active CIDB Registration Grade 6GB or Higher
5. Valid COIDA or FEM certificate (certificates recognised by DOL)
6. Fully completed and Signed form of offer. All blank spaces must be completed
7. Fully completed and signed
 - SBD1: Invitation to BID
 - SBD4: BID's disclosure
 - SBD 6.1: Preference points claim form in terms of PPPFA, Procurement Regulations 2022 (newly revised version) All blank spaces must be completed.

BIDDER to indicate items that are not applicable

8. Confirmation of addendum (If Applicable)
9. Fully & Duly Completed Detailed Bill of Quantities (BOQ), Written in non – erasable black Ink

Instruction notes:

- **All blank spaces must be completed on all the SBD forms.**
- **Bidders to indicate items that are not applicable to them on all the forms.**
- **Bidders are advised to fill in the correct information on all the SBD forms.**
- **Bidders are encouraged to familiarize themselves with the project site in order to assist them in planning, pricing and executing the project.**
- **All Bidders are required to be registered on CSD (Central Supplier Database) with National Treasury.**
- **Please Provide CSD Registration report with supplier number with your Bid.**

4.3.3 Functionality Criteria

Variables	Total Points	Criteria	Description Of Criteria	Points
<u>Functionality Points</u>	100			
Experience on similar scale projects	35	Very good	Points allocated for proven records of accomplishment based on the similar scale of previous projects executed by Bidder.	35
		Good		31.5
		Satisfactory		24.5
		Poor		14
		Not acceptable		0
Safety Health & Environmental Quality (SHEQ) Project Specific Plan	10	Very good	Points allocated for submission and Projects specific SHEQ plan	10
		Good		9
		Satisfactory		7
		Poor		4
		Not acceptable		0
Qualifications & competencies of key staff	20	Very Good	Points allocated for required competencies and qualifications of allocated personnel for the projects in consideration	20
		Good		15
		Satisfactory		10
		Poor		5
		Very poor		1
		Not submitted		0

Variables	Total Points	Criteria	Description Of Criteria	Points
Project Specific Programme schedule and cash flow	10	Very good	Points allocated for turnaround projects delivery period and detail project submission by Bidder/bidder in consideration	10
		Good		9
		Satisfactory		7
		Poor		4
		Unacceptable		0
Schedule / Availability of Plant & Equipment	10	Very good	Points allocated for the availability of key required plant & Equipment for the project in consideration	10
		Good		7.5
		Poor		1
		Unacceptable		0
Client References	15	Very good	Points allocated for previous client references and submission in relation to nature of work in Relevant Experience (Returnable schedule) of the Bid Document.	15
		Good		13,5
		Satisfactory		10,5
		Poor		6
		Unacceptable		0

Notes:

1. Bidders are required to score minimum points of 70 (70%) for Functionality stated in Quotation data.
2. Bidders who fail to meet the required minimum number of points for functionality stated in the Quotation data will not be evaluated further.
3. Bidders who fail to submit information as per the returnable schedules will not be allocated points.

The functionality will be scored using the following values:

A maximum equal to 100 Quotation evaluation points will be awarded for quality, sub-divided according to the following:

- 100 points – Quality
- 35 points – Experience on similar scale projects
- 10 points – Safety Health & Environmental Quality (SHEQ) Project Specific Plan
- 20 points – Qualifications & competencies of key staff
- 10 points – Project Specific Programme schedule and cash flow

Part T2: Returnable documents

BID NO: LDE/1A/B23/2019/20 (EDDP 184/122)

- 10 points – Schedule / Availability of Plant & Equipment
- 15 points – Client References

Experience on similar scale projects:

NB: For points to be allocated, this must be accompanied by BOTH the letter of award and the works/final completion certificate. Failure to submit one or both documents will result in zero points being allocated.

Value of work evaluation (No points will be allocated for value of works for Civil Engineering Projects, Water, Transport, Traffic Engineering and all Electrical & Mechanical Projects)

Value of work (6GB)	Rating
10.1m and above	Very Good
5.1m – 10m	Good
3.1m – 5m	Satisfactory
1.1m – 3m	Poor
0m – 1m	Not Submitted

Nature of work evaluation

Nature of Work	Rating
Construction of major and renovations of Hospitals, Clinics, Schools, Libraries, Hotels, Malls, shopping Complex, Courts, Office blocks, Town Houses, prisons, Church, Civic centre	Very Good
Construction and renovation of Residential Houses and Community hall, indoor sport complex and stadia	Good
Construction and renovations of Enviro-loo toilets, Low cost houses (RDP), Taxi Rank.	Satisfactory
Construction and renovations of residential household toilets (VIP toilets)	Poor
Engineering Projects (Water, Transport, Traffic Engineering, Electrical & Mechanical Projects).	No points

Qualifications & Key Personnel

Qualifications and Competencies of Key Projects Resources	20	Very Good (Score 100)	Points allocated for required competencies & Built Environment qualification of allocated personnel for the project in consideration. Required Key Project Resources. Verification Certificate from SAQA must be attached for International qualifications in order to get points	20
		Good (Score 90)		15
		Satisfactory (Score 70)		10
		Poor (Score 40)		5

	Very Poor (Score (10))	1.	Project Manager:	1
	Not Submitted (0)	2.	Site Agent:	0

Project Manager (List a minimum of 1 for each)			
Education	Professionally Registered Personnel (CV, Proof of registration, Proof of qualifications (Building=Pm, Arch ,QS .Civil, PM,CE,))		20
	Non Registered Personnel (with Degree, Proof of Qual + CV)		15
	Non Registered Personnel (Diploma, Proof of Qual + CV)		10
	Non Registered Personnel (Certificates, Proof of Qual + CV)		1
Competence	Years of Experience-1 to 2 (Degree/Diploma, Proof of qualifications + CV)		1
	Years of Experience-3 to 5 (Degree/Diploma, Proof of qualifications + CV)		10
	Years of Experience-5 to 6 (Degree/Diploma, Proof of qualifications + CV)		15
	Years of Experience-above 6 (Degree/Diploma, Proof of qualifications + CV)		20
Site Agent (List a minimum of 1 for each)			
Education	Registered Personnel (Degree/Diploma, Proof of qualifications + CV)		20
	Non Registered Personnel (Degree/Diploma, Proof of qualifications + CV)		10
Competence	Years of Experience-1 to 2 (Degree/Diploma, Proof of qualifications + CV)		1
	Years of Experience-3 to 5 (Degree/Diploma, Proof of qualification + CV)		10
	Years of Experience-above 6 (Degree/Diploma, Proof of qualification + CV)		20

Schedule / Availability of Plant & Equipment

Plant and Equipment	Description (With proof of ownership /rental)
Plant and Equipment 1	Heavy duty machinery, TLBs, Excavators, Rollers
Plant and Equipment 2	Trucks, 6- 10 trucks, Water tanks
Plant and Equipment 3	LDVs, Bakkies
Plant and Equipment 4	Scaffolding, Trestles, Step Ladders, Concrete Mixers, Generators, Jack Hammer
Plant and Equipment 5	Spades, Shovels, Wheel Barrows
Plant and Equipment 6	Hand tools, Screw Drivers, Trowel, Hammers, Drills, Grinders

Plant & Equipment	10	Proof of any Required P&E Submitted (Owned)	In order to demonstrate capacity to deliver on time the Bidders will need to demonstrate the following: (i) Having access to the minimum required Plant and Equipment for the project at hand (ii) Demonstrate whether such Plant & Equipment is Owned or will be Rented with proof of available plant and equipment (iii) Submit Proof thereof of ownership of such Plant & Equipment in existence. Invoices for equipment 4,5 and 6 will be acceptable as proof of ownership (iv) P&E Submitted Without Proof-Rental letter without indicating the available plant/equipment	10
		Proof of any Required P&E Submitted (Rental) with the Lessee's ownership documents		7,5
		P&E Submitted Without Proof		1
		Not Submitted		0

Client References

The Bidder shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Client Reference Scorecards" will be completed, signed by each of the respective Clients and principal agents and stamped by both the client and the principal agent for the projects listed in the "Relevant Experience" returnable schedule.

Contracting Document

JBCC Series 2000 Principal Building Agreement (Edition 6.2 May 2018)

1. LIST OF RETURNABLE SCHEDULES

Returnable Schedules required only for Quotation evaluation purposes (certified copies not older than six months or originals of the following documents):

NB: Non submission of documents will result on zero points awarded where applicable in the Functionality criteria

No	Non-Statutory (Non-Compulsory) Requirements	Non Statutory (Non Compulsory) Requirements Description																	
1	Checklist for Quotation Submission	Checklist for Quotation Submission																	
2	Details of Quotation	Details of Quotation																	
4	Certificate of Compliance with Quotation Documentation	Certificate of Compliance with Quotation Documentation																	
5	Banking Details	Bank Account Confirmation Letter																	
7	Letter of Intent to Provide Security / Guarantee	Letter of Intent to Provide Security/ Guarantee from accredited financial institution																	
8	Contractor's Health and Safety Declaration	Contractor's Health and Safety Declaration																	
9	Litigation History	Litigation History – bidder to disclose all the pending litigations against their company																	
10	Past Projects undertaken by the Bidder in the last 10 years	Past Completed Projects undertaken by the Bidder in the last 10 years																	
13	Specific Goals	<table border="1"> <thead> <tr> <th>The specific goals allocated points in terms of this tender</th> <th>Number of points allocated (80/20 system) (To be completed by the organ of state)</th> <th>Number of points claimed (80/20 system) (To be completed by the tenderer)</th> </tr> </thead> <tbody> <tr> <td>Women (100%)</td> <td>6</td> <td></td> </tr> <tr> <td>Youth (100%)</td> <td>6</td> <td></td> </tr> <tr> <td>**People with Disabilities (100%)</td> <td>4</td> <td></td> </tr> <tr> <td>Black (100%)</td> <td>4</td> <td></td> </tr> </tbody> </table>			The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)	Women (100%)	6		Youth (100%)	6		**People with Disabilities (100%)	4		Black (100%)	4	
The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)																	
Women (100%)	6																		
Youth (100%)	6																		
**People with Disabilities (100%)	4																		
Black (100%)	4																		
14	Bidder's Competence & Performance on Similar Projects	Bidder's Competence & Performance on Similar Projects																	

16	Record of Addenda to Quotation Documents	Record of Addenda to Quotation Documents
17	Proposed amendments and Qualifications	Proposed amendments and Qualifications
18	Method Statement	Method Statement
19	Detailed Construction Programme	Detailed Construction Programme
20	Detailed Cash-Flow	Detailed Cash-Flow
21	Key Personnel	Curriculum Vitae of Key Personnel and Certified Qualifications that are not older than 6 months
23	Proposed Project Organogram	Proposed Project Organogram
24	Detailed Resourcing schedule	Detailed Resourcing schedule
25	Schedule of Proposed Domestic Sub-Contractors	Schedule of Proposed Domestic Sub-Contractors
26	Schedule of Plant and Equipment	Schedule of Plant and Equipment
27	Trade References	Trade References
30	Contractor's Safety Record	Contractor's Safety Record
32	Tax Clearance certificate	Submission of valid Tax compliance status form (PIN)
34	Project Specific SHEQ Plan	Project Specific SHEQ Plan

Notes:

1. **Bidders are required to score minimum points of 70 for Functionality stated in Quotation data.**
2. **Bidders who fail to meet the required minimum number of points for functionality stated in the Quotation data will not be evaluated further.**
3. **Bidders who fail to submit information as per the returnable schedules will not be allocated points.**

T2.1.20 EVALUATION SCHEDULE: CLIENT REFERENCES

The Bidder shall provide details of his performance on each of the previous projects listed in the “Relevant Experience” returnable schedule. “Client Reference Scorecards” will be completed by each of the respective Clients for the projects listed in the “Relevant Experience” returnable schedule.

The following are to be **completed by the Client and Principal Agent** and is to be supported in each case by a letter of award and the works/final completion certificate. Both Client and Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points. Where the Client is also the Principal Agent, one stamp would be acceptable.

PROJECT NAME and SCOPE OF WORK:

Principal agent:.....

Client:

Contract Amount:

Contract Duration:.....

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Project management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....
.....

Principal Agent Firm:

.....

Telephone:

.....

PA Signature: **Date:**

Stamp

Client Signature: **Date:**

Stamp

T2.1.20

EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR QUOTATION RECOMMENDATION PURPOSES

The following are to be **completed by the Client and Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Both Client and Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points. Where the Client is also the Principal Agent, one stamp would be acceptable.

PROJECT NAME and SCOPE OF WORK:
--

Principal agent:

Client:

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....
.....

T2.1.20

Principal Agent Firm:

Telephone:

PA Signature: Date:

Stamp

Client Signature: Date:

Stamp

T2.1.20

EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR QUOTATION RECOMMENDATION PURPOSES

The following are to be **completed by the Client and Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Both Client and Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points. Where the Client is also the Principal Agent, one stamp would be acceptable.

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client:

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

T2.1.20

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

.....

Principal Agent Firm:

Telephone:

PA Signature: **Date:**

Stamp

Client Signature: **Date:**

Stamp

T2.1.20

EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETANCE & PERFORMANCE ON A SIMILAR PROJECT FOR QUOTATION RECOMMENDATION PURPOSES

The following are to be **completed by the Client and Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Both Client and Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points. Where the Client is also the Principal Agent, one stamp would be acceptable.

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client:

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

T2.1.20

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

.....

Principal Agent Firm:

Telephone:

PA Signature: **Date:**

Stamp

Client Signature: **Date:**

Stamp

T2.1.20 EVALUATION SCHEDULE: REPORT ON CONTRACTOR’S COMPETENCE & PERFORMANCE ON A SIMILAR PROJECT FOR QUOTATION RECOMMENDATION PURPOSES

The following are to be **completed by the Client and Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Both Client and Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points. Where the Client is also the Principal Agent, one stamp would be acceptable.

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client:

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor?

.....

Principal Agent Firm:

Telephone:

PA Signature:
.....

Date:

Stamp

Client Signature:

Date:

Stamp

T2.1.20 EVALUATION SCHEDULE: REPORT ON CONTRACTOR'S COMPETENCE & PERFORMANCE ON A SIMILAR PROJECT FOR QUOTATION RECOMMENDATION PURPOSES

The following are to be **completed by the Client and Principal Agent** and is to be supported in each case by a letter of award and the works completion certificate. Both Client and Principal Agent must sign and stamp the documents, failure to obtain both signatures and stamps will result in no allocation of points. Where the Client is also the Principal Agent, one stamp would be acceptable.

PROJECT NAME and SCOPE OF WORK:

Principal agent:

Client:

Contract Amount:

Contract Duration:

Actual Contract Duration:

Description / Performance	Very poor (1)	Poor (2)	Fair (3)	Good (4)	Excellent (5)
Quality of office administration					
Quality of site management					
Competence of foreman					
Co-operation during contract					
Quality of workmanship					
Quality of materials					
Programme management					
Rectification of condemned work					
Tidiness of site					
Adequacy of equipment					
Adequacy of labour force					
Procurement of materials					
Labour relations					

Any other remarks considered necessary to assist in evaluation of the contractor.

.....

Principal Agent Firm:

Telephone:

PA Signature:

Date:

Stamp

Client Signature:

Date:

Stamp

Relevant Experience (Returnable schedule)

The Bidder shall provide details of his performance on each of the previous relevant projects. Failure to complete the table below will result in no points allocated. No “see attached” will be accepted

LIST THE SIX LARGEST PROJECTS COMPLETED BY YOUR FIRM IN THE LAST TEN YEARS			
<i>Name of Project Completed and Scope of work</i>	<i>Name of Project Manager & Telephone no.</i>	<i>Name of Client & Telephone no.</i>	<i>Value of Project</i>

Record of Addenda to Quotation documents

We confirm that the following communications received from the Employer before the submission of this Quotation offer, amending the Quotation documents, have been taken into account in this Quotation offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Attach additional pages if more space is required.

Signed: _____

Date: _____

Name: _____

Position: _____

Identity number: _____

Bidder: _____

SCHEDULE OF PLANT AND EQUIPMENT

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract if my / our Quotation is accepted. **(Please attach proof of ownership of plant owned)** (a) **Details of major equipment owned by me / us and immediately available for this contract.**

PLANT AND EQUIPMENT	DESCRIPTION (type, size, capacity etc)	LICENSE NUMBER	YEAR OF MANUFACTURE
<i>Plant and Equipment 1</i>			
<i>Plant and Equipment 2</i>			
<i>Plant and Equipment 3</i>			
<i>Plant and Equipment 4</i>			
<i>Plant and Equipment 5</i>			
<i>Plant and Equipment 6</i>			

Attach additional pages if more space is required

(b) **Details of major equipment that will be hired, or acquired for this contract if my / our Quotation is accepted**

PLANT AND EQUIPMENT	DESCRIPTION (type, size, capacity etc)	LICENSE NUMBER	HOW ACQUIRED	
			HIRE/ BUY	SOURCE
<i>Plant and Equipment 1</i>				
<i>Plant and Equipment 2</i>				
<i>Plant and Equipment 3</i>				
<i>Plant and Equipment 4</i>				
<i>Plant and Equipment 5</i>				
<i>Plant and Equipment 6</i>				

Attach additional pages if more space is required

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

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

KEY PERSONNEL

In terms of the Project Specification and the Conditions of Quotation, unskilled workers may only be brought in from outside the local community if such personnel are not available locally.

The Bidder shall list below the personnel which he intends to utilize on the Works, including key personnel which may have to be brought in from outside if not available locally.

CATEGORY OF EMPLOYEE	NUMBER OF PERSONS					
	KEY PERSONNEL, PART OF THE CONTRACTOR'S ORGANISATION		KEY PERSONNEL TO BE IMPORTED IF NOT AVAILABLE LOCALLY		UNSKILLED PERSONNEL TO BE RECRUITED FROM LOCAL COMMUNITY	
	HDI	NON-HDI	HDI	NON-HDI	HDI	NON-HDI
Site Agent, Project Managers						
Foremen, Quality Control and Safety Personnel						
Technicians, Surveyors, etc						
Artisans and other Skilled workers						
Plant Operators						
Others:						

Certification:

I, the undersigned, certify that, to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.

.....
SIGNATURE OF THE INCUMBANT IN THE SCHEDULE

.....
DATE

.....
INCUMBANT'S IDENTITY NUMBER

PRELIMINARY PROGRAMME

The Bidder shall **attach a preliminary programme reflecting the proposed sequence and tempo of execution of the various activities comprising the work for this Contract.** The programme shall be in accordance with the information supplied in the Contract, requirements of the Project Specifications and with all other aspects of his Quotation.

NOTE: ONLY COMPUTIRSED PRELIMINARY PROGRAM WILL BE CONSIDERED

PROGRAMME (EXAMPLE ONLY)

ACTIVITY	MONTHS									
	1	2	3	4	5	6	7	8	9	10

[Note: The programme must be based on the completion time as specified in the Contract Data. No other completion time that may be indicated on this programme will be regarded as an alternative offer, unless it is listed in Table (b) of Form I hereafter and supported by a detailed statement to that effect, all as specified in the Quotation Data]

The following aspects of the preliminary programme will be considered:

- Programme Heading
- The programme is specific and tailored for the execution of the project, is comprehensive and is logically correct
- The activities are well articulated with headings and sub headings and show relevant milestones
- The activities that occur simultaneously are showing

- *The activities that depend on each other are linked*
- *The activities that required stages are indicated*
- *Milestones are shown*
- *There are resources aligned / embedded to the programme*
- *Cause and effect of the programme can be determined such that the critical path is shown*
- *The lead times and lag times are clear and being considered for ordering of materials and staffing requirements*
- *Non-Working Days and Been Taken Into Consideration*
- *Has the Programme been divided into Phases*
- *The Cash Flow to Relate to the Programme*
- *The programme to show resource histogram*
- *The Resource Histogram to Show Unskilled Labour*

SIGNATURE: IDENTITY NUMBER:

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

DATE:

**PART A
INVITATION TO BID**

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (INDEPENDENT DEVELOPMENT TRUST)					
BID NUMBER:	LDE/IA/B23/2019/20 (EDDP 184/122)	CLOSING DATE:	04 DECEMBER 2023	CLOSING TIME:	12:00 AFTERNOON
DESCRIPTION	COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS.				
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
22 Hans Van Rensburg					
Polokwane					
0700					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Kgotsofalo Malapane	CONTACT PERSON	Thamsanqa Vilakazi		
		TELEPHONE NUMBER			
FACSIMILE NUMBER		FACSIMILE NUMBER			
E-MAIL ADDRESS	KgotsofaloM@idt.org.za	E-MAIL ADDRESS	ThamsanqaV@idt.org.za		
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? <input type="checkbox"/> YES <input type="checkbox"/> NO					

DOES THE ENTITY HAVE A BRANCH IN THE RSA?

YES NO

DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?

YES NO

DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?

YES NO

IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?

YES NO

IF THE ANSWER IS “NO” TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED–(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
- 1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**

2. TAX COMPLIANCE REQUIREMENTS

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

STATE.”

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

SIGNATURE OF BIDDER:

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

DATE:

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

2.1 Is the bidder or any of its directors/trustees/shareholders/members/partners, or any person having a controlling interest¹ in the enterprise, employed by the state? **YES/NO**

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

Full Name	Identity Number	Name of State institution

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

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

.....
.....

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

YES/NO

2.3.1 If so, furnish particulars:

.....
.....

3 DECLARATION

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

- 3.1 I have read and understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement, or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements, or arrangements with any competitor regarding the quality, quantity, specifications, and prices, including methods, factors, or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, before the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements, or arrangements made by the bidder with any official of the procuring institution about this procurement process before and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition, and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, suspicious bids will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not

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

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

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

1. GENERAL CONDITIONS

1.1 The following preference point systems apply to invitations to tender:

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

1.2 To be completed by the organ of state

- a) The applicable preference point system for this tender is the **80/20** preference point system.
- b) The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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

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

1.4 **To be completed by the organ of state:**

The maximum points for this tender are allocated as follows:

	POINTS	
PRICE	80	
SPECIFIC GOALS	20	
TARGETED GROUP		
Women (100%)	6	
Youth (100%)	6	
People with Disabilities (100%)	4	
Black (100%)	4	
Total points for price and SPECIFIC GOALS	100	100

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)} & \mathbf{or} & \mathbf{Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)} \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

$$\begin{array}{ccc} \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\ \\ \mathbf{Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)} & \mathbf{or} & \mathbf{Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)} \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

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

The specific goals allocated points in terms of this tender	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Women (100%)	6	
Youth (100%)	6	
**People with Disabilities (100%)	4	
Black (100%)	4	

Source Documents to be submitted with the Bid or RFQ

- *CIPC Document (Company Registration Document will be required for verification (CIPC DOC))
- *Woman (Originally Certified ID Document)
- *Youth (Originally Certified ID Document)
- *People with Disability (Originally signed and stamped letter from Professionally Registered Medical doctor indicating practice number)
- *Black Ownership (Originally Certified ID Document)

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm.....

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

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

[TICK APPLICABLE BOX]

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

- i) The information furnished is true and correct.
- ii) The preference points claimed are by the General Conditions as indicated in paragraph 1 of this form.
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct.
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

(a) disqualify the person from the tendering process.

- (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct.
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favorable arrangements due to such cancellation.
- (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution, if deemed necessary.

WITNESSES

1.

2.

.....

SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

Annex D

Imported Content Declaration - Supporting Schedule to Annex C

(D1) Tender No.
 (D2) Tender description:
 (D3) Designated Products:
 (D4) Tender Authority:
 (D5) Tendering Entity name:
 (D6) Tender Exchange Rate:

Note: VAT to be excluded from all calculations

Pula EU GBP

A. Exempted imported content

A. Exempted imported content				Calculation of imported content						Summary	
Tender item no's	Description of imported content	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Exchange Rate	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Exempted imported value
(D7)	(D8)	(D9)	(D10)	(D11)	(D12)	(D13)	(D14)	(D15)	(D16)	(D17)	(D18)
										0	
										0	
(D19) Total exempt imported value R											-

This total must correspond with Annex C - C 21

B. Imported directly by the Tenderer

B. Imported directly by the Tenderer				Calculation of imported content						Summary	
Tender item no's	Description of imported content	Unit of measure	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Tender Qty	Total imported value
(D20)	(D21)	(D22)	(D23)	(D24)	(D25)	(D26)	(D27)	(D28)	(D29)	(D30)	(D31)
										0	
(D32) Total imported value by tenderer R											-

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

C. Imported by a 3rd party and supplied to the Tenderer				Calculation of imported content						Summary	
Description of imported content	Unit of measure	Local supplier	Overseas Supplier	Foreign currency value as per Commercial Invoice	Tender Rate of Exchange	Local value of imports	Freight costs to port of entry	All locally incurred landing costs & duties	Total landed cost excl VAT	Quantity imported	Total imported value
(D33)	(D34)	(D35)	(D36)	(D37)	(D38)	(D39)	(D40)	(D41)	(D42)	(D43)	(D44)
										0	
(D45) Total imported value by 3rd party R											0

D. Other foreign currency payments

D. Other foreign currency payments			Calculation of foreign currency payments		Summary of payments	
Type of payment	Local supplier making the payment	Overseas beneficiary	Foreign currency value paid	Tender Rate of Exchange	Local value of payments	
(D46)	(D47)	(D48)	(D49)	(D50)	(D51)	

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

(D53) Total of imported content & foreign currency payments - (D32), (D45) & (D52) above R 0

This total must correspond with Annex C - C 23

Part 12: Returnable documents

BID NO: LDE/IA/B23/2019/20 (EDDP 184/122)

Date: _____

INDEPENDENT DEVELOPMENT TRUST

C1.1 Form of Offer and Acceptance

Offer

The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of:

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

The Bidder, identified in the offer signature block, has examined the documents listed in the Quotation data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of Quotation.

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

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

.....

..... Rand (in words);

R (in figures)

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

Signature Date

Name Identity number

Capacity for

the Bidder

(Name and
address of organization)

Name and signature of witness

NOTE: Failure of a Bidder to complete and sign this part of the BID form (offer) in full including witnessing will invalidate the BID.

ACCEPTANCE

By signing this part of this form of offer and acceptance, the employer identified below accepts the Bidder's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the Bidder's offer shall form an agreement between the employer and the Bidder upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

- Part C1: Agreements and contract data, (which includes this agreement)
- Part C2: Pricing data
- Part C3: Scope of work.
- Part C4: Site information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts 1 to 4 above.

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

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

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

Signature Date

Name Identity number

Capacity **for**

the

Employer INDEPENDENT DEVELOPMENT TRUST
 IDT Limpopo Office
 22 Hans Van Rensburg
 POLOKWANE
 0699

Name and Signature of witness

Date

Schedule of Deviations

- 1 Subject
- Details
-
-
-
- 2 Subject
- Details
-
-
-
- 3 Subject
- Details
-
-
- 4 Subject
- Details
-
-
- 5 Subject
- Details
-

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

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

INDEPENDENT DEVELOPMENT TRUST

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL AT MAKELLE PRIMARY SCHOOL

C1.2 Contract Data for BID NO: LDE/IA/B23/2019/20 (EDDP 184/122)

The Conditions of Contract are clauses 1 to 30 of the **JBCC Series 2000 Principal Building Agreement (Edition 6.2 May 2018)** published by the Joint Building Contracts Committee.

Copies of these conditions of contract may be obtained from the Association of South African Quantity Surveyors (011-3154140), Master Builders Association (011-205-9000; 057-3526269) South African Association of Consulting Engineers (011-4632022) or South African Institute of Architects (051-4474909; 011-4860684; 053-8312014;)

The JBCC Principal Building Agreement makes several references to the Contract Data for specific data, which together with these conditions collectively describe the risks, liabilities and obligations of the contracting parties and the procedures for the administration of the Contract. The Contract Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the JBCC Principal Building Agreement.

Condition of Contract:

The contractor shall achieve in the performance of the contract the Contract Skills Development Goal (CSDG) established in the CIDB Standard for Developing Skills through Infrastructure Contracts, published in Gazette Notice No.48491 of 28 April 2023.

The contractor shall achieve in the performance of the contract the Contract Participation Goals (CPG) relating to the engagement of targeted enterprises as established in the CIDB Standard for Indirect Targeting for Enterprise Development through Construction works Contracts Gazette Notice No.36190 of 25 February 2013

Part 1: Contract Data Completed by the Employer

Clause Item and data

1.1 **The Employer:** THE INDEPENDENT DEVELOPMENT TRUST

The address of the Employer is: P.O. Box 55386, Polokwane, 0700

Telephone: 015-295 0000

Facsimile: 015-295 6559

Address (physical): IDT Polokwane, 22 Hans van Rensburg Street, Polokwane, 0699

Address (postal): P.O. Box 55386, Polokwane, 0700

1.2 **The Principal Agent:** MASEGELA QUANTITY SURVEYORS

Telephone: 015 223 6806

Facsimile: 015 585 0007 Address

(physical):

3546 Mantuba Street Zone 2 Seshego 0742

1.3

The Quantity Surveyor (1): MASEGELA QUANTITY SURVEYORS

Telephone: 015 223 6806

Facsimile: 015 585 0007 Address

(physical):

3546 Mantuba Street Zone 2 Seshego 0742

1.4

Agent (2): STUDIO E-DESIGN

Agent's service: Architecture

Telephone: (012) 664 0168

Address (physical): 37 DF Malan Street, Lyttenton Manor, Centurion, 0156

1.5

Agent (3): TAKUSA CONSULTING AND SERVICES

Agent's service: Electrical Engineering

Telephone: (010) 110 8724

Facsimile: (086) 659

1.6

Agent (4): PG CONSULTING ENGINEERS

Agent's service: Civil and Structural Works

Telephone: (011) 11 064 1648

Facsimile: (086) 725 0646

Address (physical): The Workshop Space, 140A Kelvin Drive, Morningside, Johannesburg 2196

The Works comprises of the COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

1.1 THE **SITE** IS LOCATED AT MAKELLE PRIMARY SCHOOL LOCATED IN MOREBENG VILLAGE (GOUD PLAAS), MOPANI DISTRICT, LIMPOPO PROVINCE

1.1 The **Works** or installations to be undertaken by **direct contractors** comprises
22.2

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

41.0 The Employer is an organ of **State**
31.11.2

11.2 • The interest 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) will apply.

31.4.2 • Lateral support insurance is to be effected by the **contractor**

26.1.2 • Payment will be made for materials and goods

• Extended **defects** liability period will apply to the following elements:
NOT APPLICABLE

15.2.1 Possession of the **site** is to be given on the date in the schedule providing the **employer** with **construction guarantees** in accordance with the provisions of 14.0.

15.3 The period for the commencement of the **works** after the **contractor** takes possession of the site is ten (10) **working days**.

For the **works** as a whole:

The date for **practical completion** is **18 months** after contractual commencement date

The **penalty** per **calendar day** is 0.05 per R100 of the contract value

1.2 The law applicable to the agreement shall be that of the Republic of South Africa.

10.1; 10.2 Contract insurance is to be effected by the **contractor**.
and 12.1

10.1 Contract works insurance is to be effected by the **contractor** for a sum not less than the
10.2 **contract sum plus 20%** with a deductible in an amount that the **contractor** deems
12.1 appropriate.

10.1 Supplementary insurance is required. Such insurance shall comprise a Coupon Policy for 10.2 Special Risks issued by the South African Special Risk Insurance Association.

12.1

11.1, 12.1 Public liability insurance to be effected by the **contractor** for an amount of **R10, 000,000.00** with a deductible in an amount as determined by the contractor's insurance company.

11.2, 12.1 Support insurance to be effected by the **contractor** for the sum of **NOT APPLICABLE** with a deductible in an amount that the **contractor** deems appropriate.

3.3, 15.1.3, A waiver of the **contractor's** lien or right of continuing possession is not required.
31.16.2

3.7 Three copies of the construction documents are to be supplied to the **contractor** free of charge.

3.4 JBCC Engineering General Conditions are not to be included in the contract document.

- 31.5.3 The contract value is to be adjusted using CPAP indices. The base month for the application of CPAP is the month of the closing of the Quotation and the following alternative indices are applicable:
- 31.3 There is no latest day of the month for the issue of an interim payment certificate.
- 14.5 The employer will not provide advanced payments against an advanced payment guarantee.
14.2 and The **construction guarantee** is to be a fixed guarantee in an amount of 10% of the
14.4 contract sum and payment reduction
- 40.0 Dispute resolution shall be by adjudication
or
~~Dispute determinations shall be by arbitration~~

CONTRACT DATA

The conditions of BID are the Standard Conditions of BID as contained in Annex C of the CIDB Standard for Uniformity in Construction Procurement. (See www.cidb.org.za) which are reproduced without amendment or alteration for the convenience of Bidders as an Annex to this BID Data.

The Standard Conditions of BID make several references to the BID Data for details that apply specifically to this BID.

The BID Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of BID. Each item of data given below is cross-referenced to the clause in the Standard Conditions of BID to which it mainly applies.

The Works comprises of the COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

Part 2: Contract Data completed by the Contractor

Clause	Item and data
--------	---------------

1.2

The name of the Contractor is.

The address of the contractor is:

Telephone:

Facsimile:

Address (physical):

.....

.....

Address (postal):

.....

.....

INDEPENDENT DEVELOPMENT TRUST

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

C1.3 Construction Guarantee

GUARANTOR DETAILS AND DEFINITIONS

Guarantor means

Physical address

.....

Guarantor's signatory 1 Capacity

Guarantor's signatory 1 Capacity

.

Employer means **The Independent Development Trust**

Contractor means

...

Agent means **Masegela Quantity Surveyors**

Works means **LDE/IA/B23/2019/20 (EDDP 184/122)**

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

Site means the designated site to be shown to the contractor is located in Morebeng Village (Goud Plaas), Mopani District, Limpopo Province

Agreement means **JBCC Series 2000 Principal Building Agreement (Edition 6.2 May 2018)**

Contract Sum i.e. the total of prices in the Form of Offer and Acceptance inclusive of VAT Amount
in figures R

Amount in words

(Rand)

Guaranteed Sum means the maximum aggregate amount of R

Amount in words

(Rand)

1 The Guarantor's liability shall be limited to the amount of the Guaranteed Sum as follows:

GUARANTOR'S LIABILITY	PERIOD OF LIABILITY
Maximum Guaranteed Sum (not exceeding 10 % of the contract sum) in the amount of: (Rands) (R)	From and including the date of issue of this Construction Guarantee and up to and including the date of the only practical completion certificate or the last practical completion certificate where there are sections, upon which this Construction Guarantee shall expire.

2 The Guarantor hereby acknowledges that:

2.1 Any reference in this Guarantee to the Agreement is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a surety ship.

2.2 Its obligation under this Guarantee is restricted to the payment of money.

3 Subject to the Guarantor's maximum liability referred to in clauses 1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in sub-clauses 3.1 to 3.3:

3.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Principal Agent in an interim or final payment certificate has not been made in terms of the Agreement and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of sub-clause 3.2

3.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) calendar days has elapsed since the first written demand in terms of sub-clause 4.1 and that the sum certified has still not been paid therefore the Employer calls up this Guarantee and demands payment of the sum certified from the Guarantor.

3.3 A copy of the said payment certificate, which entitles the Employer to receive payment in terms of the Agreement of the sum certified in clause 3.

4 Subject to the Guarantor's maximum liability referred to in clause 1, the Guarantor undertakes to pay the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Guarantee stating that:

- 4.1 The Agreement has been cancelled due to the Contractor's default and that the Guarantee is called up in terms of clause 4. The demand shall enclose a copy of the notice of cancellation; or
- 4.2 A provisional sequestration or liquidation court order has been granted against the Contractor and that the Guarantee is called up in terms of clause 4. The demand shall enclose a copy of the court order.

- 5 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of clauses 3 and 4 shall not exceed the Guarantor's maximum liability in terms of clause 1.

- 6 Where the Guarantor is a registered insurer and has made payment in terms of clause 4, the Employer shall upon the date of issue of the final payment certificate submit an expense account to the Guarantor showing how all monies received in terms of the Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.

- 7 Payment by the Guarantor in terms of clause 3 or 4 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.

- 8 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer deems fit and the Guarantor shall not have the right to claim his release from this Guarantee on account of any conduct alleged to be prejudicial to the Guarantor

- 9 The Guarantor chooses the physical address as stated above for all purposes in connection herewith.

- 10 This Guarantee is neither negotiable nor transferable and shall expire in terms of clause 1, or payment in full of the Guaranteed Sum or on the Guarantee expiry date, whichever is the earlier, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired

- 11 This Guarantee, with the required demand notices in terms of clauses 3 or 4, shall be regarded as a liquid document for the purpose of obtaining a court order.

- 12 Where this Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at Date

Guarantor's Signatory 1 Guarantor's Signatory 2

Identity number

Identity number

Witness 1

Witness 2

Guarantor's seal or stamp

INDEPENDENT DEVELOPMENT TRUST

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

ADJUDICATOR'S AGREEMENT

This agreement is made on the day of between:
..... (name of company / organisation) of
.....
..... (address) and
..... (name of company / organisation) of
.....
..... (address)
(the Parties) and
..... (name) of
.....
..... (address)
(the Adjudicator).

Disputes or differences may arise/have arisen* between the Parties under a Contract dated
... and known as
and these disputes or differences shall be/have been* referred to adjudication in accordance with the JBCC 2000 Adjudication Rules, (hereinafter called "the Procedure") and the Adjudicator may be or has been requested to act.

* Delete as necessary

IT IS NOW AGREED as follows:

- 1 The rights and obligations of the Adjudicator and the Parties shall be as set out in the JBCC 2000 Adjudication Rules.
- 2 The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the JBCC 2000 Adjudication Rules..
- 3 The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses as set out in the Contract Data.
- 4 The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.
- 5 The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

Contract C1.4 Part C1: Agreement and Contract Data Adjudicator's appointment

<p>SIGNED by: _____</p> <p>Name: _____</p> <p>ID: _____</p> <p>who warrants that he / she is duly authorized to sign for and on behalf of the first Party in the presence of _____</p> <p>Witness: _____</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>Date: _____</p>	<p>SIGNED by: _____</p> <p>Name: _____</p> <p>ID: _____</p> <p>who warrants that he / she is duly authorized to sign for and behalf of the second Party in the presence of _____</p> <p>Witness: _____</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>Date: _____</p>	<p>SIGNED by: _____</p> <p>Name: _____</p> <p>ID: _____</p> <p>the Adjudicator in the presence of _____</p> <p>Witness: _____</p> <p>Name: _____</p> <p>Address: _____</p> <p>_____</p> <p>Date: _____</p>
---	---	--

Contract Data

1	The Adjudicator shall be paid at the hourly rate of R. in respect of all time spent upon, or in connection with, the adjudication including time spent traveling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. (c) Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. (e) Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator shall be paid an appointment fee of R. This fee shall become payable in equal amounts by each Party within 14 days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.
6	All payments, other than the appointment fee (item 3) shall become due 31 days after receipt of invoice,

* Delete as necessary

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

Where applicable the:

- a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardized Specifications for Civil Engineering Works.
- b) Mechanical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Refrigeration, Air-Conditioning and Ventilation Installations, published by the South African Association of Quantity Surveyors, July 1990).
- c) electrical work has been drawn up in accordance with the provisions of the Model Bills of Quantities for Electrical Work, published by the South African Association of Quantity Surveyors, (July, 2005).

1. The agreement is based on the JBCC Series 2000 Principal Building Agreement, prepared by the Joint Building Contracts Committee, Edition 6.2, May 2018. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
2. Preliminary and general requirements are based on the various parts of the JBCC Series 2000 Preliminaries as prepared by the Joint Building Contracts Committee, Edition 6.2, May 2018. The additions, deletions and alterations to the various parts of the JBCC Series 2000 Preliminaries as well as the contract specific variables are as stated in the Specification Data in the Scope of Work. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.
3. It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for BIDs. (Refer to www.stanza.org.za or www.iso.org for information on standards).
4. The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of payment for additional work that may have to be carried out.
5. The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the quantity surveyor and can be viewed at any time during office hours up until the completion of the works.

6. Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.
7. The rates contained in the Bills of Quantities will apply irrespective of the final quantities of the different classes and kinds of work actually executed.
8. Rates for work of similar description occurring in different sections of the Bills of Quantities shall be identical.
9. An item against which no price is entered will be considered to be covered by the other prices or rates in the Bills of Quantities. A single lump sum will apply should a number of items be grouped together for pricing purposes.
10. Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")
11. The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminary and General) of the Bills of Quantities
12. The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.
13. The amount of the Preliminary and General Section to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract.
14. Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 14 but taking into account the revised period for completing the works.
15. The amount or items of the Preliminary and General Section shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:
 - a) an amount which is not to be varied, namely Fixed (F)
 - b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
 - c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).
16. Where no provision is made in the Bills of Quantities to indicate which of the three categories in 12 apply or where no selection is made, the adjustments shall be based on the following breakdown:
 - a) 10 percent is Fixed;
 - b) 15 percent if Value Related
 - c) 75 percent is Time Related.
17. The adjustment of the Preliminary and General Section shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminary and General Section shall exclude any contingency sum, the amount for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.

18. All work is to be constructed using labour-intensive methods. The use of plant to provide such works, other than plant specifically provided for in the scope of works, is a variation order to the contract.

19. Payment for items, which are designated to be constructed under labour-intensively, will not be made unless they are constructed using labour-intensive methods. Any unauthorized 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.

The bidder is to acquaint himself as to the specific requirements of this BID as contained in additional clauses B15 of the JBCC Principal Agreement as incorporated in the Contract Data. These clauses may be priced under the relevant Preliminaries items in SECTION C: SPECIFIC PRELIMINARIES of the Preliminaries Bill. No claim will be entertained due to the failure of the bidder to allow for these requirements.

20. The contractor shall determine the contract skills participation goals, expressed in Rand, which shall not be less than the contract amount multiplied by a percentage factor given in Table 2 in the Standard for the applicable class of construction works. This is indicated by the percentage factor in the Final Tender Summary section. Minimum Contract Skills Development Goal (CSDG) sum = General Building GB (0.50%) x Subtotal of the tender amount.

Table 2: Construction skills development goals for different classes of engineering and construction works contracts

Class of construction works as identified in terms of the CIDB regulation		Construction skills development goal (%)
Designation	Description	
CE	Civil Engineering	0.25
CE& EB	Civil Engineering and General Building	0.375
EB	Electrical Engineering work (buildings)	0.25
EP	Electrical Engineering works (infrastructure)	0.25
GB	General Building	0.5
ME	Mechanical Engineering	0.25
	Special works	0.25

21. The Employer shall determine the amount to be paid to the Enterprise Development Co-Ordinator for the Contract Participation Goal (CPG) on the contract and this amount shall be stated under the section Enterprise Development as a Provisional Sum in the Preliminaries and Generals (P&G's).

The contractor shall be paid as follows: These are recommended rates, client may change depending on the location of the project, complexity etc.). These rates must be stated by the client in the P&Gs so that all tenderers have the same rate and not result in a tenderer being disadvantaged.

Needs analysis and enterprise development plan per Targeted Enterprise - R5000.00 (five thousand Rands) per targeted enterprise.

Mentoring and interim reporting per Targeted Enterprise - R20 000.00 (twenty thousand rands) per quarter; and

Project completion report per Targeted Enterprise - R5000.00 (five thousand rands) per targeted enterprise.

22. Payment to the contractor to accommodate Part/Full Occupational qualification and Trade Qualifications.

The employer shall include the following statement in the pricing assumptions:

The contractor shall apportion the learners in the different construction activities based on the scope of work. The cost of accommodating learners will be determined by using Table 3 in the

Standard and this cost will be used to determine the value in Rand and will be added to the provision for training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule.

23. Payment to the contractor for supervision and mentoring Part/Full Occupational qualification and Trade qualifications learners The employer shall make no provision for an additional payment item for the payment of the supervisor and/or mentors for the provision of training as provided for in the Preliminary and General section in the Bill of Quantities/Pricing schedules/Activity schedule for the training of part/full time occupational learners and/or trade qualification learners.

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS AND CONSTRUCTION 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

C3 Scope of Work

1 DESCRIPTION OF THE WORKS

1.1 Employer's objectives

The primary objective of the employer is to appoint a contractor for the completion of 2 x 4 classroom blocks, small administration block, 2 x Grade r blocks and construction 20 x enviroloo toilets and external works at Makelle primary school

The employer may include the following statement in the tender documents should the employer wish to have specific training carried out as an objective of the project:

- One of the objectives of the project is to training ether of the following:
- (occupational qualifications, trade qualification, work integrated learners – P1 and P2 learners, professional candidates)

The objective of the project is to provide for a minimum contract participation goal (CPG) of 5% of the total project value and to develop targeted enterprise by the main or lead partner contractors.

The Contractor shall:

- Subcontract a minimum of 5% of the total project value to targeted enterprises;
- Perform needs analysis on the targeted enterprise to identify developmental goals;
- Provide internal mentorship support to improve the targeted enterprise/s performance;
- Develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas to the CIDB Competence Standard for Contractors Gazette No. 41237, 10 November 2017

- Monitor and report the progress of the agreed development areas with the targeted enterprise/s
- Submit a project completion report to the Employer's representative for each targeted enterprise.

The Contractor shall provide opportunities to learners requiring structured workplace learning using one or a combination of any of the Skills Methods as agreed: accommodate Part/Full Occupational qualification (Method 1), Trade qualifications learners (Method 2), train Work Integrated Learners – P1 and P2 Learners (Method 3) and/or Professional Candidates (Method 4) as indicated in the cidb Standard and as agreed to by the Employer on this project (Employer to stipulate)

The Contractor may only place 33% employees employed by him/her or that of his/her subcontractor contributing to the CSDG.

The Contractor shall achieve the measurable CSDG by providing opportunities to learners requiring structured workplace learning using one or a combination of any of the Skills Methods as agreed: accommodate Part/Full Occupational qualification (Method 1), Trade qualifications learners (Method 2), Work Integrated Learners (Method 3) and/or Candidates (Method 4) as per the cidb Standard in relation to work directly related to the Contract as indicated under clause 4.2 and 4.3 in the cidb Standard. (Employer to stipulate).

The Contractor shall ensure that all beneficiaries of the Standard are registered with CIDB Skills Development Agency (SDA).

The Contractor shall be responsible for developing subcontractors in accordance with the CIDB Standard for Indirect Targeting for Enterprise Development.

The Contractor shall be responsible for the appointment of the Enterprise Development Coordinator.

1.2 Overview of the works

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

1.3 Extent of the works

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

1.4 Location of the works

The designated site to be shown to the contractor is located in Morebeng Village (Goud Plaas), Mopani District, Limpopo Province

Temporary works

To be communicated to the winning bidder before construction commences

2 DRAWINGS

The drawings used for setting up the Bills of Quantities are attached on a compact disc at the back of this Quotation document.

- **Architectural drawings**

Three (3) sets to be provided to the successful Bidder at site hand over

3. SUBCONTRACTING

3.1

3.1.1 Scope of mandatory subcontract work

A maximum of 5% of subcontracting works for general building (GB) shall be allocated to the IDT CDP contractors between 2GB and 3GB (list per cluster will be provided upon appointment). The Contractor shall without delay enter into contracts with the Domestic Subcontractors as submitted on the returnable schedule and forward a copy of these agreements to the Principal Agent.

The Contractor shall remain responsible for providing the subcontracted portion of the works as if the work had not been subcontracted.

The Contractor to take note of item 3.2.2 below

3.2.2 Preferred subcontractors / suppliers

3.2.3 Subcontracting procedures

See items 3.2.1 and 3.2.2 as well as BID data

3.2.4 Attendance on subcontractors

Attendance to Domestic Sub-contractors as stated above should be priced under the relevant items in the Preliminaries section of the bills of quantities. Attendance to nominated sub-contractors should be priced under the relevant items in the Provisional Sums section of the bills of quantities

4. CIDB BUILD PROGRAMME

The contractor must comply with the Department of Public Works and Infrastructure General Notice 1779 of 2023 as per Construction Industry Development Board (CIDB) for achieving the standards for delivery skills for infrastructure contracts 31 March 2023.

5. MANAGEMENT

5.1 Recording of weather

The Contractor shall erect an effective rainfall gauge on the site and record the daily rainfall figures in a book. Such book shall be handed to the employer's representative for his signature no later than 12 days after rain that is considered to justify an extension of time occurs.

5.2 Unauthorized persons

The Contractor shall keep unauthorized persons from the works at all times. Under no circumstances may any person except guards be allowed to sleep on the building site.

5.3 Management meetings

The Employer's Representative and the Contractor shall hold meetings relating to the progress of the works at regular intervals and at other such times as may be necessary. The Contractor shall attend all site meetings and shall ensure that all persons under his jurisdiction are notified timeously of all site meetings should the Employer's Representative require their attendance at such meetings.

The Contractor shall keep on site a set of minutes of all site meetings, daily records of resources (people and equipment employed), a site instruction book, a complete set of contract working drawings and a copy of the procurement document and make these available at all reasonable times to all persons concerned with the contract.

5.4 Forms for contract administration

The Contractor shall be required to submit an updated contractor monthly report during site meetings, which will be used by the consultant to update the client.

5.5 Payment certificates

The Contractor to ensure that the VAT invoice required with each certificate is delivered timeously. The date of the certificate will be that of the date when the certificate is received by the consultant.

The Contractor to ensure timeous submission of all required documentation for the expedient processing of payment certificates, as required by the client, eg BAS entity forms, company registration details, VAT clearance certificates, etc. The Contractor is responsible for such documentation submission.

5.6 Addenda

- 5.6.1 Occupational Health and Safety Regulations (*ADDENDUM A*)
- 5.6.2 Standard Occupational Health and Safety Specification (*ADDENDUM B*)
- 5.6.3 Environmental Management Plan (*ADDENDUM C*) (will be made available to the successful bidder)
- 5.6.4 Pro-forma contract between Contractor and Worker (*ADDENDUM D*)
- 5.6.5 Pro-forma Attendance Register (*ADDENDUM E*)
- 5.6.6 Contract Person / Days Calculation Format (*ADDENDUM F*)
- 5.6.7 Contractor monthly report format (see 4.4 above) also available in electronic format (*ADDENDUM G*)

- 5.6.8 Guidelines for the implementation of labour-intensive infrastructure projects under the Expanded Public Works Programme (*ADDENDUM H*) (available on the following website www.epwp.gov.za)
- 5.6.9 Drawings (*ADDENDUM I*)
- 5.6.10 IDT Addendum to the JBCC (*ADDENDUM J*)

INDEPENDENT DEVELOPMENT TRUST

**COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK,
2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND
EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL**

C4 Site Information

**Makelle Primary School is located in Morebeng village (Goud plaas), Mopani
district, Limpopo province**

ADDENDUM B

Occupational Health and Safety Specification

**COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK,
2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND
EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL**

INDEPENDENT DEVELOPMENT TRUST

(Hereinafter referred to as the Employer)

OCCUPATIONAL HEALTH AND SAFETY SPECIFICATION

This specification shall be used in conjunction with all other applicable safety specifications, legislation and regulations in force at the time of the contract. Where unique site specifications are in force, those site specifications shall take precedence over this Specification.

IDT Polokwane Office
22 Hans Van Rensburg Street
POLOKWANE
0699

Contact:
Name: Mr. M Sheea
Telephone: (015) 295-0000

ADDENDUM "A"

**PRO-FORMA AGREEMENT IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY ACT
1993**

4. THE WORKS

Nature of the works:

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL

Commencement date :

Completion date :

Contractor: _____ Date: _____

Employer: _____ Date: _____

THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR **PRIOR TO COMMENCEMENT** OF WORK ON SITE.

ALL CONTRACTORS THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER CONTRACTOR ON THE SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

ADDENDUM C

Environmental Management Plan

TO BE PROVIDED BY THE SUCCESSFUL BIDDER

ADDENDUM I

Drawings

See attached

ADDENDUM J

IDT Addendum to the JBCC



ADDENDUM

To the

THE JBCC PRINCIPAL BUILDING AGREEMENT

NAME OF PROJECT: -----

INTRODUCTION

WHEREAS, the Independent Development Trust (“IDT”) made an Offer of Appointment and the Contractor has accepted such appointment subject to the conditions stipulated in the aforesaid Offer of Appointment Letter, which conditions include signing of the JBCC Agreement, Edition (Hereinafter referred to as “Main Agreement”).

AND WHEREAS, this addendum shall form part of the Main Agreement between the Employer and the Contractor.

1. ADDENDUM TO THE MAIN AGREEMENT

1.1 This Agreement will constitute an Addendum to the Main Agreement as contemplated herein;

1.2 The Terms of Reference, Accepted Proposal or Quotation, Standard Conditions of Quotation, Special Conditions of Quotation and adjusted Priced Bills of Quantities shall form part of the agreement between the Contractor and the Employer;

1.3 This Addendum will be deemed to incorporate, with or without variation, all the provisions of the Main Agreement, unless the context clearly requires otherwise;

1.4 All words and phrases used in this Addendum which are defined in the Main Agreement, will bear the same meaning assigned to them in the Main Agreement; and

1.5 All references in the Main Agreement to “the/this Agreement” itself, will be deemed to be references also to the Main Agreement duly amended by this Addendum.

1.6 Interpretations and Definition

1.6.01 **Financial Implications** shall mean the variation amount over and above the awarded contract sum.

2. SPECIAL CONDITION

If there is any conflict between the contents or any part of this Addendum and the contents or any part of the Main Agreement and other annexures, the content of this Addendum shall prevail.

3. WAIVER OF CONTRACTOR’S LIEN

3.1 The Contractor hereby waives, in favour of the Employer, any lien or right of retention that is or may be held in respect of the Works to be executed on the Site.

3.2 The Employer, as an Organ of State, shall not be required to provide payment guarantees.

4. ASSIGNMENT OF RIGHTS OR OBLIGATIONS

4.1 Neither **party** shall assign or cede rights or obligations without the written consent of the other **party**, which consent shall not be unreasonable withheld.

4.2 Where the Contractor intend to cedes any right to monies due or to become due under this agreement as security in favour of a financial institution, a written consent in accordance with clause 4.1 above, shall be obtained from the Employer prior to entering into such cession.

4.3 Any cession entered into without the necessary written consent from the either party, shall be null and void.

4.4 The Employer shall not consent to a cession of monies due or to become due under this agreement as security in favour of a financial institution, unless such financial institution submitted to the IDT a Valid Tax Clearance Certificate, is registered as a credit provider in terms of the National Credit Act and as a vendor in the IDT's Vendor Management System.

5 INTERIM PAYMENT

5.1 The **Employer** shall, in accordance with clause 8.2.3 of the treasury regulation of March 2005, pay to the **Contractor** the amount certified in an interim **payment certificate** within **thirty (30) calendar days** of the date of submission of the **payment certificate**".

5.2 Default interest, where applicable, shall only be effective after the 30 calendar days of the date of receipt of the interim **payment certificate from the Principal Agent**.

5.3 The Employer shall be entitled to apply a set-off against a legitimate and liquid claim against the Contractor from which a valid invoice has been received.

6 TAX COMPLIANCE MEASURES

- 6.1 The Contractor hereby grant confirmation that SARS may, on on-going basis during the contract term, disclose the Contractor's tax compliance status to the employer.
- 6.2 Should the Contractor appoint a sub-contractor to execute a portion of a work in excess of the threshold (currently 25%) prescribed by the National Treasury, the Contractor must ensure that a sub-contractor is tax complaint and remains tax compliant for the full duration of the contract. The contractor shall obtain a written consent from its sub-contractors confirming that SARS may on on-going basis during the contract term, disclose the sub-contractor's tax compliance status to the employer.
- 6.3 The Contractor shall submit a valid tax clearance certificate within 10 working days from the date of expiry of the tax clearance certificate. The Employer reserve the right to demand a valid Tax Clearance Certificate prior to making any payment to the Contractor, should it become aware that the tax clearance corticated has expired.
- 6.4 Unless the Employer receive a written confirmation that the Contractor has challenged its tax compliance status with SARS, the Employer shall not process any payment to the Contractor, if 30 days has lapsed since the written notice by the Employer and the Contractor has failed to remedy its tax compliance status.
- 6.5 Employer's non-payment of the Contractor's invoice in accordance with clause 6.4 above shall not absolve the contractor from performing its obligation in terms of the contract.
- 6.6 Unless the Employer receives a written confirmation that the Contractor or sub-Contractor has challenged its tax compliance status with SARS, the Employer shall be entitled to cancel the contract with the Contractor or instruct the Contractor to cancel its contract with the Sub-Contractor.
- 6.7 Where a Contractor is a JV, each party to a JV must be tax complaint and remains tax compliant for the full duration of the contract, failing which, the Employer shall invoke paragraph 6.4 or 6.6 above.

7. APPROVAL OF VARIATION ORDERS

- 7.1 Upon receipt of the Variation Order (VO), the Principal Agent must professionally consider the merits of the Variation Order and make a recommendation to the Employer.
- 7.2 The Principal Agent shall not have the power to approve any deviation or variation which has financial implications on the Employer without the necessary written approval of the Employer, except under emergency circumstances wherein failure to undertake the work may result in loss of life.
- 7.3 The Employer must communicate the approval of a Variation Order in writing to the Principal Agent and the Principal Agent shall, upon receipt of confirmation of the approval of the VO, issue the necessary Contract Instruction to the contractor to undertake the works.
- 7.4 The Contractor shall not commence with any Variation Order Works without the written approval of the Variation Order from the Employer, except under circumstances mentioned in paragraph **7.2** above.
- 7.5 Should the Contractor undertakes the Variation Order Works without the necessary written approval of the Variation Order from the Employer, the Contractor shall be entirely liable for any financial and any related implications and hereby indemnify and hold harmless the Employer from and against any and all claims, actions, damages, liabilities, injuries, costs, fees, expenses, or losses, including and without limitation, reasonable attorney's fees and costs of investigation and litigation, whatsoever which may be incurred by, or for which liability may be asserted against, the Employer arising out of the Contractor's performance or non-performance of unauthorized works, but only to the extent caused by the negligent acts, errors or omissions of the Contractor.
- 7.6 The Contractor shall not accept any instructions from any party, including beneficiary Department, other than the Principal Agent.

8. JOINT VENTURE AGREEMENT

8.1 Should the Joint Venture Agreement be dissolved or any of the JV partner pull out the JV Agreement for any reasons whatsoever, the Employer hereby reserve its right to terminate the contract with immediate effect.

9. BREACH

9.1 In the event that the contractor: -

9.1.1 commits an act of insolvency; or

9.1.2 is placed under a provisional or final winding-up or judicial management order; or

9.1.3 is placed under or applied for business rescue; or

9.1.4 makes an assignment of more than 25% of either its right and/or its obligation for the benefit of the third arty without the written consent of the employer; or

9.1.5 fails to satisfy or take steps to have set aside any judgment taken against it within 14 (Fourteen) business days after such judgment has come to its notice,

then the other Employer will be entitled to terminate the Agreement on written notice.

Signed at on this the day of**202...**

AS WITNESSES:

1. _____

For and on behalf of the **Employer:**

(.....), in his/her
capacity as the -----

2. _____

For and on behalf of the **Employer:**

(.....), in his/her
capacity as the -----
-----.

Signed at on this the day of202...

AS WITNESSES:

3. _____

4. _____

For and on behalf of the **Contractor:**

.....
in his/her capacity as
.....,

who hereby confirm that he/she is duly
authorized.



INDEPENDENT DEVELOPMENT TRUST

COMPLETION OF 2 X 4 CLASSROOM BLOCKS, SMALL ADMINISTRATION BLOCK, 2 X GRADE R BLOCKS, CONSTRUCTION OF 20 X ENVIROLOO TOILETS AND EXTERNAL WORKS AT MAKELLE PRIMARY SCHOOL MAKELLE PRIMARY SCHOOL

C2.2 Bills of Quantities

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 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 with the applicable amount entered against each relevant category, where "Fixed" denotes a fixed amount (amount not to be varied), "Value Related" denotes an amount variable in proportion to value and "Time Related" denotes an amount in proportion to time</p>			
<p>Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.</p>			
<p>Carried to Collection</p>			
<p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries</p>			
<p>INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			
		R	

General

- i) Tenderers are referred to the above-mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary
- ii) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

1 **A1 DEFINITIONS AND INTERPRETATION**

Clause 1.0 Clause

1.1 Definition of "**Commencement Date**" is added:

"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

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

R

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 Practice**" is added:

"**FRAUDULANT PRACTICE**" means a misrepresentation of facts in order to influence a procurement process in the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderes (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 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:

"**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 the 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

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Clause 1.6 is amended by replacing the words "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

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

<p>4</p>	<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>	<p>Item</p>		
<p>5</p>	<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, 34.4 and 38.5.8</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>6</p>	<p>A6 SITE REPRESENTATIVE</p> <p>Clause 6.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>7</p>	<p>A7 COMPLIANCE WITH REGULATIONS</p> <p>Clause 7.0</p> <p>Note: A separate clause has been included in Section C : Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>8</p>	<p>A8 WORKS RISK</p> <p>Clause 8.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>Carried to Collection</p>				
<p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>				<p>R</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

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

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 negligence of any person for whose actions the **employer** is legally liable
- (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 negligence 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**

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

- (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:

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

Carried to Collection

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
 BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

R

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

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

Fixed: _____ Value related: _____
Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

<p>11</p>	<p>A11 LIABILITY INSURANCES</p> <p>Clause 11.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>12</p>	<p>A12 EFFECTING INSURANCES</p> <p>Clause 12.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>13</p>	<p>A13.0 No clause</p>	<p>N/A</p>		
<p>14</p>	<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>			
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		<p>R</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

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

14.4 Where **security** as a variable construction guarantee of ten percent (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**

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 the last certificate 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

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

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**

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**

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

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: _____

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

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: _____

Carried to Collection

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

Item

R

16	<p>A16 ACCESS TO THE WORKS</p> <p>Clause 16.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
17	<p>A17 CONTRACT INSTRUCTIONS</p> <p>Clause 17.0</p> <p>Clause 17.1.11 is amended by replacing the words "and the appointment of nominated and selected subcontractors"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
18	<p>A18 SETTING OUT OF THE WORKS</p> <p>Clause 18.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
19	<p>A19 ASSIGNMENT</p> <p>Clause 19.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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 sub-contractors executing work allowed for under provisional sums</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p>Carried to Collection</p>			R	
<p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>				

21 **A21 SELECTED SUBCONTRACTORS**
 Clause 21.0
 Clause 21 is amended by replacing it with:
 No Clause
 Fixed: _____ Value related: _____ Time
 related: _____

Item

22 **A22 EMPLOYER'S DIRECT CONTRACTORS**
 Clause 22.0
 Fixed: _____ Value related: _____ Time
 related: _____

Item

23 **A23 CONTRACTOR'S DOMESTIC
 SUBCONTRACTORS**
 Clause 23.0
 Fixed: _____ Value related: _____ Time
 related: _____

Item

COMPLETION

24 **A24 PRACTICAL COMPLETION**
 Clause 24.0
 Fixed: _____ Value related: _____ Time
 related: _____

Item

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

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

26 **A26 FINAL COMPLETION**
 Clause 26.0
 Clause 26.1.2 is amended by inserting "#" next to 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

PAYMENT

31 **A31 INTERIM PAYMENT TO THE CONTRACTOR**
 Clause 31.0

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

32 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**

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

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: _____

33 **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: _____

34 **A33 RECOVERY OF EXPENSE AND LOSS**

Clause 33.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

35 **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 removing "#" 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

36 **A35 PAYMENT TO OTHER PARTIES**

Clause 35.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

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 the 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:

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

Fixed: _____ Value related: _____ Time related: _____

Item

37 **A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE**

Clause 37.0

Clauses 37.3.5 is amended by replacing "ninety (90) with "one hundred and twenty (120)"

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

Clause 37.0 is amended by the addition of the following clause:

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

Fixed: _____ Value related: _____ Time related: _____

Item

38 **A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT**

Clause 38.0

Clauses 38.5.4 is amended by replacing "ninety (90) with "one hundred and twenty (120)"

Clause 38.0 is amended by the addition of the following clause:

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

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

39 **A39 CANCELLATION - CESSATON OF THE WORKS**

Clause 39.0

Claues 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

40 **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

41 **A41 STATE CLAUSES**

Clause 41.0

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

CONTRACT VARIABLES

42 **A42 THE SCHEDULE**

Clause 42.0

Tenderers are referred to the "Contract Data C 1.2 for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

SECTION B: JBCC PRELIMINARIES

1: DEFINITIONS AND INTERPRETATION

43 ***Definitions and interpretation***

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

Fixed: _____ Value related: _____ Time related: _____

Item

2: DOCUMENTS

44 ***Checking of documents***

Fixed: _____ Value related: _____ Time related: _____

Item

45 ***Provisional bills of quantities***

Fixed: _____ Value related: _____ Time related: _____

Item

46 ***Availability of construction documentation***

Fixed: _____ Value related: _____ Time related: _____

Item

47 ***Interests of agents***

Fixed: _____ Value related: _____ Time related: _____

Item

48 ***Priced documents***

Fixed: _____ Value related: _____ Time related: _____

Item

49 ***Tender submission***

Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance"

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

3: THE SITE

50 ***Defined works area***

Fixed: _____ Value related: _____ Time related: _____

Item

51 ***Geotechnical investigation***

Fixed: _____ Value related: _____ Time related: _____

Item

52 ***Inspection of the site***

Tenderers shall complete the Compulsory Inspection Certificate included in the tender documents and return same with the tender submission

Fixed: _____ Value related: _____ Time related: _____

Item

53 ***Existing premises occupied***

Fixed: _____ Value related: _____ Time related: _____

Item

54 ***Previous work – dimensional accuracy***

Fixed: _____ Value related: _____ Time related: _____

Item

55 ***Previous work – defects***

Fixed: _____ Value related: _____ Time related: _____

Item

56 ***Services – known***

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

57 **Services - unknown**
 The project is located on an existing site and special care must be taken not to damage the existing services. Any damage to the existing services due to excavations or any other means will be for the account of the **contractor** and must be rectified immediately.
 Fixed: _____ Value related: _____ Time related: _____

Item

58 **Protection of trees**
 Fixed: _____ Value related: _____ Time related: _____

Item

59 **Articles of value**
 Fixed: _____ Value related: _____ Time related: _____

Item

60 **Inspection of adjoining properties**
 Fixed: _____ Value related: _____ Time related: _____

Item

4: MANAGEMENT OF CONTRACT

61 **Management of the works**
 Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

<p>62</p>	<p>Programme for the works</p> <p>A detailed construction programme must be submitted to the principal agent within seven (7) days after site handover.</p> <p>The programme for the works must be based on the Project Evaluation and Review Technique (PERT) or any other approved Critical Path Method (CPM) network analysis of events and activities. A fortnightly control report must be submitted to the principal agent, evaluating any gains or delays against the critical path. The programme will form the basis of time management on the project</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>63</p>	<p>Progress meetings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>64</p>	<p>Technical meetings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>65</p>	<p>Labour and plant records</p> <p>A daily site diary must be kept on site stating the daily record of all human resources on site (including sub-contractors), plant and equipment, visitor's to the site, etc. At each monthly progress meeting, the contractor must hand over the daily site records for the month past to the principal agent</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p><u>5: SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u></p>	<p>Item</p>		
<p>66</p>	<p>Samples of materials</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>				<p style="text-align: center;">R</p>

67	<p>Workmanship samples</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
68	<p>Shop drawings</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
69	<p>Compliance with manufacturer's instructions</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
<p><u>6: TEMPORARY WORKS AND PLANT</u></p>		
70	<p>Deposits and fees</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
71	<p>Enclosure of the works</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
72	<p>Advertising</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item
73	<p>Plant, equipment, sheds and offices</p> <p>Tenderer's to take note that part of the work, e.g. removal and replacement of roof sheeting, paintwork, etc, must be carried out at heights of up to 5m above floor level. Ample provision must be made for special scaffolding, etc as no claim in this regard will afterwards be entertained</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

74 **Main notice board**
 A main notice board in accordance with the standard drawing as issued by the Department is required
 Fixed: _____ Value related: _____ Time related: _____

Item

75 **Subcontractors' notice board**
 Fixed: _____ Value related: _____ Time related: _____

Item

7: TEMPORARY SERVICES

76 **Location**
 There is no accommodation on site and the **contractor** must provide his own accommodation off site for the workforce (including sub-contractors)
 Fixed: _____ Value related: _____ Time related: _____

Item

77 **Water**
 Fixed: _____ Value related: _____ Time related: _____

Item

78 **Electricity**
 Fixed: _____ Value related: _____ Time related: _____

Item

79 **Telecommunication facilities**
 Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

80 **Ablution facilities**

The contractor must provide his own ablutions by means of chemical toilets. The number of chemical toilets to be used will be determined by the formula of one chemical toilet per every twenty people employed or working on site at any given point.

Fixed: _____ Value related: _____ Time related: _____

Item

8: PRIME COST AMOUNTS

81 **Responsibility for prime cost amounts**

Fixed: _____ Value related: _____ Time related: _____

Item

9: ATTENDANCE ON N/S SUBCONTRACTORS

82 **General attendance**

Fixed: _____ Value related: _____ Time related: _____

Item

83 **Special attendance**

Fixed: _____ Value related: _____ Time related: _____

Item

84 **Commissioning – fuel, water and electricity**

Fixed: _____ Value related: _____ Time related: _____

Item

10: FINANCIAL ASPECTS

85 **Statutory taxes, duties and levies**

Fixed: _____ Value related: _____ Time related: _____

Item

86 **Payment for preliminaries**

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

87 **Adjustment of preliminaries**
 Clauses B10.3.1 and B10.3.2 are amended by replacing "withteen fifteen (15) **working days** of taking possession of the **site**" with "when submitting his priced **bills of quantities / lump sum document**"

Fixed: _____ Value related: _____ Time related: _____

Item

88 **Payment certificate cash flow**

Fixed: _____ Value related: _____ Time related: _____

Item

11: GENERAL

89 **Protection of the works**

Fixed: _____ Value related: _____ Time related: _____

Item

90 **Protection / isolation of existing / sectionally occupied works**

Fixed: _____ Value related: _____ Time related: _____

Item

91 **Security of the works**

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

92 **Notice before covering work**

The **contractor** must notify the **principal agent** or his representatives timeously when inspections and/or re-measurements must be executed. For the purposes of this project, seven (7) working days from the date of notice will be taken as a reasonable period for inspections and/or re-measurements

All re-measurable work must be kept open and exposed and not be covered until the **principal agent** or his representatives has re-measured same. This includes trench excavations, rock excavations, water-, sewer-, stormwater-, and fire reticulation, etc

Fixed: _____ Value related: _____ Time related: _____

Item

93 **Disturbance**

Fixed: _____ Value related: _____ Time related: _____

Item

94 **Environmental disturbance**

Fixed: _____ Value related: _____ Time related: _____

Item

95 **Works cleaning and clearing**

Fixed: _____ Value related: _____ Time related: _____

Item

96 **Vermin**

Fixed: _____ Value related: _____ Time related: _____

Item

97 **Overhand work**

Fixed: _____ Value related: _____ Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

98	<p>Instruction manuals and guarantees</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
99	<p>As built information</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
100	<p>Tenant installations</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p><u>12: SCHEDULE OF VARIABLES</u></p>				
101	<p>Schedule of Variables</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
<p><i>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.</i></p>				
<p><i>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 italicised in [] brackets</i></p>				
<p>12.1 PRE TENDER INFORMATION</p>				
<p>12.1.1 Provisional Bills of Quantities</p>				
<p>[2.2] The quantities are provisional No</p>				
<p>12.1.2 Availability of construction documentation</p>				
<p>[2.3] Construction of documentation is complete Yes</p>				
<p>Carried to Collection</p>				
<p>Section No. 1 PRELIMINARIES</p>				
<p>Bill No. 1 Preliminaries</p>				
<p>INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>				

12.1.3 **Interest of agents**
 [2.4] Details:
 No agents are employed as employees of the employer

12.1.4 **Defined works area**
 [3.1] Details:
 The work is defined to the Makelle Primary School boundaries
 The workforce is restricted to the area of work.
 No loitering will be allowed

12.1.5 **Geotechnical investigation**
 [3.2] Details:
 Geotechnical investigation was done

12.1.6 **Existing premises occupied**
 [3.4] Specific requirements:
 The premises will be partly occupied The contractor to ensure that the work is scheduled in such a manner as to cause minimum disturbance

12.1.7 **Previous work - dimensional accuracy**
 [3.5] Details:
 The **contractor** to verify dimensional accuracy, alignment, levels and setting out of the existing structures or components thereof to ensure that it is compatible with the proposed works

12.1.8 **Previous work - defects**
 [3.6] Details:
 None

12.19. **Services - known**
 [3.7] Details:
 None

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

12.1.10 **Protection of trees**

[3.9] Specific requirements:
 The contractor is to ensure that no adjacent indigenous vegetation, trees etc. are being damaged as a result from the construction activities and/or actions by his personnel

Prior approval is to be obtained from the principal agent for the removal of any tree should it be required due to the positioning of the building on site and/or other construction work to be executed

12.1.11 **Inspection of adjoining properties**

[3.11] Specific requirements:
 None

12.1.12 **Enclosure of the works**

[6.2} Specific requirements:
 None

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 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

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 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.

12.1.15 **Subcontractors' notice board**

[6.6] A notice board is required

No

Specific requirements:
 None

12.1.16 **Water**

[7.2] Option A (by contractor)	Yes
Option B (by employer - free of charge)	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)	No
Option C (by employer - metered)	No

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

- 12.1.18 **Telecommunications**
 [7.4] Telephone Yes
 Facsimile Yes
 E-mail Yes
- 12.1.19 **Ablution facilities**
 [7.5] Option A (by **contractor**) Yes
 Option B (by **employer**) No
- 12.1.20 **Protection of existing/sectionally occupied works**
 [11.2] Protection is required Yes
- 12.1.21 **Special attendance**
 [9.2] **Subcontractor** (1) details: None
Subcontractor (2) details: None
Subcontractor (3) details: None
Subcontractor (4) details: None
- 12.1.22 **Protection of works**
 [11.1] Specific requirements: None
- 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**
- 12.1.24 **Environmental disturbance**
 [11.6] Specific requirements:
 The contractor shall keep the site free of rubble.
 All mixing areas shall be rehabilitated after usage.

12.2 POST-TENDER INFORMATION

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

All post-tender information for this section will be determined once tender is awarded

- 12.2.1 **Payment of preliminaries**
 [10.2] Option A (prorated) YES/NO
 Option B (calculates) YES/NO
- 12.2.2 **Adjustment of preliminaries**
 [10.3] Option A (three categories) YES/NO
 Option B (detailed breakdown) YES/NO
- 12.2.3 **Additional agreed preliminaries items**
 Details: None

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

102

C1 CONTRACT DRAWINGS

No drawings are available and all measurements are based on on-site measurements. 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 measurements 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

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

103 **C2 GENERAL PREAMBLES**

The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines") and shall be read in conjunction with the **bills of quantities / lump sum document** and be referred to for the full descriptions of work to be done and materials to be used

Fixed: _____ Value related: _____
 Time related: _____

Item

104 **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 subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders

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

105 **C4 IMPORTED MATERIALS AND EQUIPMENT**

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.

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)

Fixed: _____ Value related: _____
 Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

106 **C5 VIEWING THE SITE IN SECURITY AREAS**
 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

Fixed: _____ Value related: _____
 Time related: _____

Item

107 **C6 COMMENCEMENT OF WORKS IN SECURITY AREAS**

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

Fixed: _____ Value related: _____
 Time related: _____

Item

108 **C7 ENTRANCE PERMITS TO SECURITY AREAS**

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

Fixed: _____ Value related: _____
 Time related: _____

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

109 **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: _____

110 **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

Item

Carried to Collection

R

Section No. 1
 PRELIMINARIES
 Bill No. 1
 Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

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 / lump sum document**. 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 31.0 of 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

111 **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

112 **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

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

<p>113</p>	<p>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>114</p>	<p>C10.4 ACCESS TO CONDOMS</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p>115</p>	<p>C10.5 MONITORING</p> <p>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</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	<p>Item</p>		
<p style="text-align: center;">Carried to Collection</p> <p>Section No. 1 PRELIMINARIES Bill No. 1 Preliminaries INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			<p>R</p>	

C11 : OCCUPATIONAL HEALTH AND SAFETY ACT

The **contractor** shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)

It is required of the **contractor** to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities / lump sum document**

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of clause A31.0 of 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

116 Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

Fixed: _____ Value related: _____
Time related: _____

Item

SUMMARY OF CATEGORIES

117 Category : Fixed
Category : Value
Category : Time

SUM

Carried to Collection

R

Section No. 1
PRELIMINARIES
Bill No. 1
Preliminaries
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

Section No. 1

PRELIMINARIES

Bill No. 1

Preliminaries

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

Carried Forward

R

Section No. 1
PRELIMINARIES

Bill No. 1

Preliminaries

**INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

COMPLETION OF MAKELLE PRIMARY SCHOOL

Section No. 1

PRELIMINARIES

Bill No. 1

Preliminaries

COLLECTION

**Page
No**

Amount

Brought Forward

R

Total Brought Forward from Page No.

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

Carried Forward

R

Section No. 1

PRELIMINARIES

Bill No. 1

Preliminaries

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

Section No. 1

PRELIMINARIES

Bill No. 1

Preliminaries

COLLECTION

**Page
No**

Amount

Brought Forward

R

Total Brought Forward from Page No.

38

39

40

41

42

43

44

45

Carried to Final Summary

R

Section No. 1

PRELIMINARIES

Bill No. 1

Preliminaries

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 1</u>	Quantity	Rate	Amount
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>Compaction of surfaces:</u>			
1	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 93% Mod AASHTO density	m2	674	
	<u>Prescribed density tests on filling</u>			
2	"Modified AASHTO Density" test	No	10	
	<u>SOIL POISONING</u>			
	<u>Soil insecticide</u>			
3	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	674	
	<u>TESTING OF SAND, STONE, ETC</u>			
4	Allow for the testing of all concrete sand, stone, etc and for submitting a concrete mix design to the Engineer		Item	
	Carried to Collection			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 1 Foundations (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

BRICKWORK SUNDRIES

Joint forming material in movement joints:

5	12mm Treated fibre board built in vertically between brick skins	m	4
---	--	---	---

FACE BRICKWORK

Letaba Travertine Face Bricks in stretcher bond pointed with recessed horizontal and vertical on exposed faces:

6	Coping on top of one brick wall	m	84
---	---------------------------------	---	----

JOINT SEALANTS, ETC.

Silicone sealing compound including backing cord, bond breaker, primer, etc:

7	12 x 20mm In vertical expansion joints including raking out expansion joint filler necessary	m	4
---	--	---	---

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 1
 Foundations (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 1

Foundations (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

49

50

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 1

Foundations (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p>			
<p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Cost of tests</u></p>			
<p>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)</p>			
<p><u>Formwork</u></p>			
<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p>			
<p>Formworks to soffits of solid etc shall be deemed to be 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>Carried to Collection</p>			
<p>Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 2 Concrete, Formwork & Reinforcement INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		R	

REINFORCED CONCRETE

25MPa/19mm concrete:

1	Surface beds cast in panels on waterproofing	m3	54
2	Walkway surface beds cast in panels on waterproofing	m3	14

25MPa/19mm Concrete:

3	Rainwater tank plinth slab	m3	2
---	----------------------------	----	---

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a steel trowel:

4	Surface beds, slabs, etc	m2	536
5	Rainwater tank slabs	m2	4
6	Walkway floor to falls	m2	138

TEST BLOCKS

7	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	12
---	--	----	----

ROUGH FORMWORK (DEGREE OF ACCURACY II)

Rough formwork to:

8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	210
---	--	---	-----

SMOOTH FORMWORK (DEGREE OF ACCURACY II)

Smooth formwork to:

9	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	84
---	--	---	----

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

MOVEMENT JOINTS, ETC.

Expansion joints with Bitumen impregnated soft board between vertical concrete and brick surfaces:

10	12mm Joints not exceeding 300mm high (Provisional)	m	498
----	--	---	-----

SAW CUT

11	5 x 30mm Deep saw cut joint in concrete floor	m	108
----	---	---	-----

DIVIDING STRIPS, ETC.

12	6 x 38mm Angle iron step guard cast into concrete with 3 x 6mm anchors	m	8
----	--	---	---

REINFORCEMENT(PROVISIONAL)

Fabric reinforcement:

13	Ref 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	674
----	---	----	-----

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 2

Concrete, Formwork & Reinforcement

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

52

53

54

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 2

Concrete, Formwork & Reinforcement

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<u>BILL NO. 3</u>			
<u>MASONRY</u>			
<u>PREAMBLES</u>			
For preambles see "Specifications of materials and methods to be used - PW371"			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>BRICKWORK</u>			
<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			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar:</u>			
1	Half brick walls in beamfilling	m2	26
2	One brick walls	m2	104
3	One brickwalls in beamfilling	m2	106
Carried to Collection			R
Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 3 Masonry INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

BRICKWORK SUNDRIES

Joint forming material in movement joints:

4	12mm Bitumen impregnated fibre board built in vertically between brick skins not exceeding 300 wide	m	40
---	---	---	----

Brickwork reinforcement:

5	75mm Wide reinforcement built in horizontally	m	90
6	150mm Wide reinforcement built in horizontally	m	2 928

Turning pieces:

7	110mm Wide turning piece to lintel etc	m	204
8	230mm Wide turning piece to lintels etc	m	106

Galvanised wire ties etc:

9	30 x 1.6mm Roof tie 1500mm long with one end fixed to round poles and other end built into brickwork	No	160
---	--	----	-----

FACE BRICKWORK

Letaba Travertine Face Bricks in stretcher bond pointed with recessed horizontal and vertical joints:

10	One brick wall faced both sides	m2	736
11	Extra over brickwork for face brickwork	m2	88

Brick-on-edge header course copings, sills, etc of face bricks pointed with recessed joints on all exposed faces:

12	Brick on edge header course lintel	m	300
13	Cut brick on edge internal header course lintel above	m	102
14	110mm Wide sill set straight	m	102
15	220mm Wide sill set slopping and slightly projecting	m	102

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 3
 Masonry
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 3

Masonry

COLLECTION

Total Brought Forward from Page No.

**Page
No**

56

57

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 3

Masonry

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 4</u>	Quantity	Rate	Amount
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course:</u>			
1	In walls	m2	96	
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape":</u>			
2	Under surface beds	m2	674	
3	Vertical to walls at step in building	m2	2	
	<u>JOINT SEALANTS, ETC.</u>			
	<u>Silicone sealing compound including backing cord, bond breaker, primer, etc:</u>			
4	5 x 30mm Deep saw cut joint in floor	m	108	
5	Joint sealent between steel window frame and external face brick surround	m	498	
	<u>Two part grey polysulphide sealing compound including backing cord, bond breaker, primer etc</u>			
6	12 x 20mm In expansion joint in floors including raking out expansion joint filler as necessary	m	498	
7	12 x 20mm In expansion joint in walls including raking out expansion joint filler as necessary	m	40	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 4 Waterproofing INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 5</u></p>			
<p><u>ROOF COVERINGS ETC</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>General</u></p>			
<p>All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched</p>			
<p>Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use</p>			
<p><u>Sizes</u></p>			
<p>All items are measured net unless otherwise described</p>			
<p><u>Flashings, trimming plates, etc.</u></p>			
<p>Prices to include for all cutting and waste and relevant fixing material, unless otherwise described</p>			
<p>All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable</p>			
<p>All items are unless otherwise described measured net</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 5 Roof Coverings</p>			
<p>INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			
		R	

PROFILED METAL SHEETING AND ACCESSORIES

0,6mm "Klip-Lok Light Industrial" galvanised troughed sheet steel with "Globalcoat" finish one side, fixed to roof members as described complete under a five year guarantee by an approved firm of Specialists, all in accordance with the materials supplied and methods employed by the Manufacturer:

1	Roof covering with pitch not exceeding 25 degrees fixed to timber purlins	m2	930
2	Raking cutting	m	84
<u>0,8mm Galvanised sheet iron, with "Globalcoat" one side, in:</u>			
3	Standard type FK7 counter flashing including fixing and sealing top edge of flashing against bottom jamb of louvered ventilator	m	16
4	Standard type FK3 ridge or hip flashing	m	106
5	Standard type FK8 headwall flashing	m	14
6	Standard type FK9 side wall flashing	m	16
7	Standard type FK13 barge or gable flashing	m	16

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 5
 Roof Coverings
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 5

Roof Coverings

COLLECTION

Total Brought Forward from Page No.

**Page
No**

60

61

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 5

Roof Coverings

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 6</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>PRE-FABRICATED TIMBER ROOF TRUSSES</u></p>			
<p><u>Pre-fabricated metal connected timber roof trusses</u></p>			
<p>All trusses shall be fabricated by an approved truss manufacturer who holds a current Certificate of Competence awarded by the Institute for Timber Construction</p>			
<p><u>Timber</u></p>			
<p>Timber for trusses to be South African softwood and shall be in accordance with the grades as defined in SABS Specification No 563 or as defined in SABS Specification No 1460</p>			
<p><u>Bolts</u></p>			
<p>Bolts shall be in accordance with BS 4190 or SABS 135</p>			
<p><u>Shear plates, tooth connectors and split rings</u></p>			
<p>Shear plates, tooth connectors and split rings shall be in accordance with BSS 1759 : 1960 and installed in accordance with the CSIR Publication HOUT 468, "The Design, Manufacturing and Erection of Timber Trusses"</p>			
<p><u>Washers</u></p>			
<p>Square or round washers of the following dimensions shall be used with all bolts:</p>			
<p>1 Bolts up to 8mm diameter: Washers shall be minimum 25mm wide of minimum 2,50mm thickness</p>			
<p>Carried to Collection</p>			
<p>Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 6 Carpentry & Joinery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			R

2 Bolts up to 12mm diameter:
Washers shall be minimum 36mm wide of minimum 4,00mm thickness

3 Bolts up to 20mm diameter:
Washers shall be minimum 60mm wide of minimum 5,00mm thickness

Metal connector plates

Metal connector plates shall be fabricated out of not less than 1mm thick drawn quality galvanised steel

The steel shall have a minimum yield strength of 228MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resisting coating shall be not less than 275g/m2 commercial class hot dipped galvanising as per SABS 934 before stamping

All connector plates shall have been tested by the CSIR and be of a size capable of transmitting the forces between members of a truss without exceeding the design values published in the CSIR report

Truss construction

Trusses shall be constructed in jigs specially designed to ensure the correct profile, overhangs and cambers

Where metal connector plates are used all joints are to be close fitted butt joints made by precision pressing of the metal connector plates into each side of the joint

Truss design

All trusses shall be designed by a registered Professional Engineer in accordance with SABS 0163 ("Design of Timber Structures") and Code 0160 ("Loadings")

Truss spacing

The truss centres shall be less than or equal to that as described in this bill for each respective truss

Carried to Collection

Section No. 2
FOUR CLASSROOM BLOCK X 2
Bill No. 6
Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Truss pitch

The truss pitch shall be as described in this bill for each respective truss type

Truss loading

Trusses shall be designed for a live load of 0,50kN/m² and dead load as specified under the sub-heading "Specific load specifications for roof trusses"

Shop drawings, design and erection guarantee certificates

It will be expected from the Contractor to timeously prepare, submit and obtain the necessary approvals from the Representative/Agent in respect of the required shop drawings, design and erection guarantee certificates as specified

Dimensions

All dimensions given in the descriptions of the trusses are nominal and actual measurements are to be obtained by actual measurements taken on the site before design or fabrication commences

Erection

All trusses are to be hoisted and erected strictly in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber roof Trusses" as published by the Institute for Timber Construction and the CSIR, or the SABS Code of Practice "The Design, Manufacture and Erection of Timber Roof Trusses", or as designed and detailed by the designer

Design system

The design system as documented in this bill is based on the "MiTek" system and all references given in the descriptions are related to specific type of trusses based on this design system

However, Contractors are to note that any design system of similar quality may be used subject to the prior written approval of the Representative/Agent

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Specific specifications for roof trusses

Unless otherwise described, the following specifications will apply:

- 1 All trusses to be with a 20° pitch
- 2 The dead load consists of 0,5mm "Klip-Lok Light Industrial" galvanised troughed sheet steel roof covering with "Chromadek" finish, purlins at approximately 1200mm centres, 6mm fibre-cement nailed-up ceilings and 50mm glass fibre insulation blanket laid on top of ceilings

Rates

Tendered rates to include for the complete roof construction, including the design of the roof construction, all timber of required grade and type shown on the design, all cutting and waste, cutting to the exact lengths and end angles to manufacture the respective truss type, supply of all connector plates, fabrication of trusses, checking the completed truss for quality, loading up, transporting to the site of the works and off loading, storing under cover and protecting from the weather, hoisting up in position and erection of the roof truss structure, necessary supervision, submission of all shop drawings, design and erection guarantee certificates, etc. as specified

ROOFS, ETC.

Allow for the preparation and submission of the following documents in respect of all buildings:

- | | | |
|---|--|------|
| 1 | Detailed shop drawings indicating truss sizes, truss positions, bracings, details, etc. to be submitted for approval prior the commencement of any fabrication | Item |
| 2 | Design certificate indicating the licensed programme used, SABS specifications adhered to, general procedures and loadings adopted, sizes and grading of timber components, details, etc. | Item |
| 3 | Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Representative/Agent | Item |

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

ROOF TRUSSES

The following in prefabricated timber roof construction should be of treated timber:

4	Roof construction to double pitched roof system approximately 400m2 on plan overall including trusses, hipped ends, jack rafters, purlins, permanent bracing, etc. (measured flat)	No	2
---	--	----	---

(End of roof construction timber)

ROOF TIMBERS SUNDRIES

5	38 x 150mm Wall plate	m	124
6	76 x 50mm Beamfill close rail	m	124
7	228 x 50mm SAP laminated beam	m	78
8	Two coats creosote on sawn timbers	m2	20

EAVES, VERGES, ETC

"Everite FC77" pressed fibre-cement:

9	15 x 250mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	192
---	--	---	-----

DOORS, ETC

Approved solid core flush doors with hardwood edges and 3,2mm standard hardboard covering on both sides hung to steel frames:

10	40mm Door, size 813 x 2032mm high	No	8
----	-----------------------------------	----	---

Framed, ledged and braced wrought meranti batten door formed of 44 x 104mm tiles and top rail, 19 x 120mm middle rail and diagonal braces and 19 x 142mm bottom rail, filled in flush one side with 22 x 76mm tongued and grooved vertical battens, V-jointed one side with V-jointed continued along stiles and top rail, the other side covered with 6mm concealed hardboard panel let flush into and including rebate in framing and weather bar:

11	40mm Door 914 x 2032mm high	No	8
----	-----------------------------	----	---

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

SHELVING

12 22mm Wrought SA Pine laminated shelving 300mm wide screwed from under side to steel brackets (Steel brackets elsewhere)

m

304

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 6

Carpentry & Joinery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

63

64

65

66

67

68

Carried Forward to Summary of Section No. 2

R

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 6

Carpentry & Joinery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 7</u>	Quantity	Rate	Amount
	<u>CEILINGS, ETC.</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as bolted the bolts have been given.			
	<u>INSULATIONS, ETC.</u>			
	<u>50mm Insulation blanket closely fitted and laid on top of branderling between roof timbers including lapping, cutting etc:</u>			
1	Insulation blanket	m2	536	
	<u>NAILED UP CEILINGS, ETC.</u>			
	<u>Sawn softwood:</u>			
2	38 x 114mm Ceiling joists	m	92	
3	38 x 38mm Ceiling joists	m	222	
	Carried to Collection			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 7 Ceilings, Etc. INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

6,4mm Thick "Cladit" fibre cement ceiling boards
120mm wide with and including H type pressed steel
jointing strips and 38 x 38mm sawn softwood branderings
at 400mm centres in one direction and around edges
where required for fixing cornices, securely spiked to
roof timbers:

4	Horizontal ceiling nailed including 38 x 50mm branderings	m2	536
5	Sloping ceilings including 38 x 38mm sawn softwood branderings at 400mm centres	m2	138
6	Extra over ceiling for 600 x 600mm hinged pressed metal trap door including all necessary ironmongery	No	8

WROUGHT MERANTI

7	19 x 76mm Cornices nailed	m	326
---	---------------------------	---	-----

Carried to Collection

R

Section No. 2
FOUR CLASSROOM BLOCK X 2
Bill No. 7
Ceilings, Etc.
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 7

Ceilings, Etc.

COLLECTION

Total Brought Forward from Page No.

**Page
No**

70

71

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 7

Ceilings, Etc.

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 8</u>	Quantity	Rate	Amount
	<p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>For preambles see "Specifications of materials and methods to be used - PW371"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list:</p> <p>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</p> <p><u>CATCHES, CABIN HOOKS, ETC</u></p>			
1	200mm Solid brass cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged	No	8	
	<p><u>LOCKS</u></p>			
2	"Yale Y130/70/116/1" 70mm discuss padlock	No	8	
	Carried to Collection			R
	<p>Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 8 Ironmongery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			

HANGLES, ETC

3	"Dorma D034S" mortice type multi lever sash lock including two "Dorma CB30" lever handles on rectangular keyhole backplate	No	16
---	--	----	----

SUNDRIES

4	3 x 75mm Natural anodised flat section expansion joint cover strip, holed at maximum 300mm centres for and including 4mm diameter chromium plated countersunk self tapping screw plugged	m	12
5	38mm Diameter door stop plugged	No	16

PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC

6	Vitrex pinning boards 2000 x 1200mm high fixed to brickwork	No	16
7	Vitrex system 1000 enamelled green folding type writing board with wall mounted centre board 4800 x 1220mm high with chalk rail and two swing leaves each 1200 x 1220mm plugged	No	8

SHELVING

Wall bands, etc. with standard epoxy powder coated finish:

8	WB6 Double slot wall band 2134mm long plugged to wall	No	120
9	Shelf bracket 305mm	No	600

LETTERS, NAME PLATES, ETC.

Approved 150 x 150 x 3mm thick PVC standard safety signage:

10	Fire extinguisher sign plugged	No	8
11	"Arrow" sign plugged	No	8

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 8
 Ironmongery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 8

Ironmongery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

73

74

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 8

Ironmongery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 9</u>	Quantity	Rate	Amount
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	All steel is to receive one coat metal primer before leaving the works of the Manufacturer			
	<u>MILD STEEL</u>			
	<u>The following in identical steel support columns:</u>			
1	Bolts, complete with nuts and two washers each	kg	6	
2	76 x 76 x 3mm (6.63kg/m) Square hollow section columns	m	104	
3	127 x 76 x 4mm (11.8kg/m) Rectangular hollow section beam	m	84	
4	75 x 6mm Flat section fixing plate 120mm long twice holed for bolt and welded to top end of tubular section column	No	28	
5	100 x 60 x 4,5 x 200mm Long rectangular hollow U section welded to top of steel coloumn and bolted through timber beam	No	28	
6	200 x 200 x 10mm Flat base plate welded to bottom end tubular section column with four number holes for bolts	No	28	
7	10mm Diameter x 75mm long sleeved masonry anchor	No	112	
	Carried to Collection			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 9 Metalwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

STEEL GATES, SCREENS, ETC.

Standard "NTY" or similar approved purpose made 1,2mm thick double rebated door frames suitable for half brick walls:

8	"NTY 914 Combo" combination door frame with security gate (both opening out), consisting of pressed steel frame for door 914 x 2032mm high fitted with three parliament hinges with and including single security gate and frame, 914 x 2032mm high overall of 25 x 25 x 2mm hollow section framed surround mitred and welded at angles two 25 x 25 x 2mm hollow section horizontal middle rails, gate filled in with 12 x 12mm square solid section vertical bars at 100mm centres and fitted with locking bolt suitable for padlock frame formed of 15 x 15 x 2mm tubular section stiles and top rail mitred and weled at angles and fitted with three hinges welded to gate and frame, frame factory welded at maximum 250mm centres to door frame	No	8
---	---	----	---

PRESSED STEEL DOOR FRAMES

Unless otherwise described, door frames are to be suitable for 40mm to 44mm thick doors.

Ironmongery, etc. The contractor is referred to the "Ironmongery" for ironmongery fixed to steel linings and no claims whatsoever in connection with the fittings of ironmongery to steel linings will be entertained.

1,2mm Double rebated frames with three 100mm steel hinges to one frame suitable for one brick walls:

9	Frame for door 914 x 2032mm high	No	8
---	----------------------------------	----	---

STEEL WINDOW, DOORS ETC.

Standard horizontal pivot type school windows with brass spring catch and 12 x 12mm solid burglar bars to all sashes:

10	Window type 5/2, 1143 x 846mm high	No	8
11	Composite window type 5/8, size 1143 x 1332mm high	No	72
12	25 x 25 x 2mm Hollow section filler piece, 1143 long on site spot welded to top of window	No	80

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 9
 Metalwork

**INDEPENDENT DEVELOPMENT TRUST
 BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

STEEL LOUVRES, ETC.

Purpose made residential type window:

13	Triangular shaped (on elevation) residential section louvred ventilators 3600 x 600mm high overall filled in with type LC fixed horizontal louvre blades fixed to surround and covered at back with No 256 galvanised mesh mosquito gauze, fixed with and including 3 x 20mm steel flat section cover strips screwed on	No	4
----	---	----	---

CORNER PROTECTORS

14	50 x 50 x 4mm Angle section fixed to edge of floor	m	8
----	--	---	---

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 9
 Metalwork
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 9

Metalwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

76

77

78

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 9

Metalwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 10</u>	Quantity	Rate	Amount
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>CEMENT SCREEDS TO CONCRETE</u>			
	<u>Screeds steel trowelled on concrete:</u>			
1	30mm Thick on floors	m2	536	
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete:</u>			
2	40mm Thick on floors	m2	138	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 10 Plastering			
	INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	For Preambles see Model Preambles for Trades (1999 edition)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the architect			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	<u>FLOOR TILING</u>			
	<u>300 x 300mm (PC Sum of R180.00 per m2 delivered to site) ceramic floor tiles with an approved adhesive on screeds and flush pointed with tinted waterproof jointing compound:</u>			
1	On floors and landings.	m2	536	
2	100mm high skirting of cut ceramic tiles.	m	322	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 11 Tiling INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.8mm Galvanised sheet iron seamless gutters with "Cromadek" finish on one side:</u>			
1	100 x 125mm Eaves gutters.	m	154	
2	Extra over 100 x 125mm eaves gutter for stopped end.	No	40	
3	Extra over 100 x 125mm eaves gutter for outlet for angle.	No	40	
4	100mm Diameter 3000mm long rainwater for pipe.	No	40	
5	Extra over 100mm rainwater pipe for bend.	No	40	
6	Extra over 100 x 125mm eaves gutter for outlet for 0.8mm pipe	No	40	
7	Extra over rainwater pipe for shoe.	No	40	
8	Extra over 100 rainwater pipe for eaves or plinth offset 800mm projection.	No	40	
	<u>FIRE APPLIANCES, ETC.</u>			
9	9kg DCP extinguisher with brackets screwed and including varnished hardwood backboard plugged.	No	8	
	<u>RAINWATER HARVESTING TANKS</u>			
10	Jojo or equally approved 5000 Litre dark green with an approved UV rust and chemical resistant polyethylene watertank with a 5 year guarantee secured on top of plinth including 20mm brass biptap and all necessary fittings	No	4	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 12 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	<u>BILL NO. 13</u>	Quantity	Rate	Amount
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>6,5mm Clear laminated glass:</u>			
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	8	
2	Panes exceeding 0,5m2 and not exceeding 2m2	m2	68	
	<u>6,5mm Obscure laminated glass:</u>			
3	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	36	
	Carried Forward to Summary of Section No. 2			
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 13 Glazing			R
	INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	<u>BILL NO. 14</u>	Quantity	Rate	Amount
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Where described as "prepare, etc, as specified", the full specification for all painting application, primers, undercoats, preparation, etc. are to be strictly in accordance with the relevant Manufacturers' Specification and prices must allow therefor			
	<u>PAINT ON NEW WORKS</u>			
	<u>ON FACED BRICKWALL</u>			
	<u>Prepare and apply two coats approved face brick dressing:</u>			
1	Internal face bricks	m2	736	
	<u>ON ASBESTOS CEMENT, ETC.</u>			
	<u>Prepare and apply one coat universal undercoat and two full coats internal quality super acrylic PVA paint on:</u>			
2	Ceilings	m2	674	
	<u>Prepare and apply one universal undercoat and two coats gloss enamel paint:</u>			
3	Fascias and barge boards	m2	102	
	<u>ON METAL</u>			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint:</u>			
4	Pressed steel door frames	m2	38	
	Carried to Collection			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 14 Paintwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

5	On windows with burglar bars	m2	182
6	On gates, grilles, buglar screens, balustrades, etc (both sides measured over the full flat area)	m2	34
7	On roof beam	m2	38
8	On columns, rails, etc not exceeding 300mm high	m	104
<u>ON WOOD</u>			
<u>One coat 'Dulux 196-0763' undercoat and two coats 'Dulux 236-0734 Silthane' gloss enamel paint:</u>			
9	General surfaces of doors	m2	32
<u>Three coats polyurethane suede varnish:</u>			
10	Shelving, laminated saligna top, etc.	m2	106
11	General surfaces of doors	m2	32
12	On skirting, cornice, etc. not exceeding 300mm girth	m	326

Carried to Collection

R

Section No. 2
 FOUR CLASSROOM BLOCK X 2
 Bill No. 14
 Paintwork
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 14

Paintwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

84

85

Amount

Carried Forward to Summary of Section No. 2

Section No. 2

FOUR CLASSROOM BLOCK X 2

Bill No. 14

Paintwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

COMPLETION OF MAKELLE PRIMARY SCHOOL

Item No	<u>BILL NO. 15</u>	Quantity	Rate	Amount
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>THE FOLLOWING TO APRONS</u>			
1	Excavate in earth to reduce ground levels	m3	20	
2	Rip and scarify ground level	m2	192	
3	Cart away surplus material from excavations to a dumping site to be located by the contractor	m3	20	
4	Compaction of ground surface under aprons, etc including adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	192	
5	Weed killer	m2	192	
6	25MPa Concrete to aprons cast in panels	m3	20	
7	Extra over concrete for thickening size 300mm deep	m	192	
8	Finishing top surfaces of concrete with a wooden float	m2	192	
9	10mm Expansion joint with bitumen impregnated between vertical concrete and brickwork surfaces	m	192	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2 FOUR CLASSROOM BLOCK X 2 Bill No. 15 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Section No. 2

FOUR CLASSROOM BLOCK X 2

SECTION SUMMARY - FOUR CLASSROOM BLOCK X 2

Bill No		Page No	Amount
1	Foundations (Provisional)	51	
2	Concrete, Formwork & Reinforcement	55	
3	Masonry	58	
4	Waterproofing	59	
5	Roof Coverings	62	
6	Carpentry & Joinery	69	
7	Ceilings, Etc.	72	
8	Ironmongery	75	
9	Metalwork	79	
10	Plastering	80	
11	Tiling	81	
12	Plumbing and Drainage (Provisional)	82	
13	Glazing	83	
14	Paintwork	86	
15	External Works (Provisional)	87	

Carried to Final Summary

R

Section No. 2

FOUR CLASSROOM BLOCK X 2

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 1</u>	Quantity	Rate	Amount
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>Compaction of surfaces:</u>			
1	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 93% Mod AASHTO density	m2	158	
	<u>Prescribed density tests on filling</u>			
2	"Modified AASHTO Density" test	No	8	
	<u>SOIL POISONING</u>			
	<u>Soil insecticide:</u>			
3	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	158	
	<u>TESTING OF SAND, STONE, ETC</u>			
4	Allow for the testing of all concrete sand, stone, etc and for submitting a concrete mix design to the Engineer		Item	
	Carried to Collection			R
	Section No. 3 ADMINISTRATION BLOCK Bill No. 1 Foundations (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

BRICKWORK SUNDRIES

Joint forming material in movement joints:

5	12mm Treated fibre board built in vertically between brick skins	m	5
---	--	---	---

FACE BRICKWORK

Letaba Travertine Face Bricks in stretcher bond pointed with recessed horizontal and vertical on exposed faces:

6	Coping on top of one brick wall	m	8
---	---------------------------------	---	---

JOINT SEALANTS, ETC.

Silicone sealing compound including backing cord, bond breaker, primer, etc:

7	12 x 20mm In vertical expansion joints including raking out expansion joint filler necessary	m	5
---	--	---	---

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 1
 Foundations (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 1

Foundations (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

89

90

Amount

Carried Forward to Summary of Section No. 3

Section No. 3

ADMINISTRATION BLOCK

Bill No. 1

Foundations (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p>			
<p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Cost of tests</u></p>			
<p>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)</p>			
<p><u>Formwork</u></p>			
<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p>			
<p>Formworks to soffits of solid etc shall be deemed to be 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>Carried to Collection</p>			
<p>Section No. 3 ADMINISTRATION BLOCK Bill No. 2 Concrete, Formwork & Reinforcement INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		R	

REINFORCED CONCRETE

20MPa/19mm concrete:

1	Surface beds cast in panels on waterproofing	m3	16
---	--	----	----

25MPa/19mm Concrete:

2	Slabs	m3	2
---	-------	----	---

3	Rainwater tank plinth slab	m3	8
---	----------------------------	----	---

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a steel trowel:

4	Surface beds, slabs, etc	m2	158
---	--------------------------	----	-----

5	Rainwater tank slabs	m2	4
---	----------------------	----	---

TEST BLOCKS

6	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	6
---	--	----	---

ROUGH FORMWORK (DEGREE OF ACCURACY II)

Rough formwork to:

7	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	7
---	--	---	---

8	Soffits of slab	m2	8
---	-----------------	----	---

PERMANENT FORMWORK

Permanent formwork to soffits:

9	Slabs propped up not exceeding 1.5m high	m2	8
---	--	----	---

10	Form 500mm radius opening in floor slab	No	2
----	---	----	---

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

SMOOTH FORMWORK (DEGREE OF ACCURACY II)

Smooth formwork to:

11	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	8
----	--	---	---

MOVEMENT JOINTS, ETC.

Expansion joints with Bitumen impregnated softboard between vertical concrete and brick surfaces:

12	12mm Joints not exceeding 300mm high (Provisional)	m	181
----	--	---	-----

DIVIDING STRIPS, ETC.

13	6 x 38mm Angle iron step guard cast into concrete with 3 x 6mm anchors	m	10
----	--	---	----

REINFORCEMENT(PROVISIONAL)

Fabric reinforcement:

14	Ref 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	185
15	Ref 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	8

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 2

Concrete, Formwork & Reinforcement

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

92

93

94

Carried Forward to Summary of Section No. 3

R

Section No. 3

ADMINISTRATION BLOCK

Bill No. 2

Concrete, Formwork & Reinforcement

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	Quantity	Rate	Amount
<u>BILL NO. 3</u>			
<u>MASONRY</u>			
<u>PREAMBLES</u>			
For preambles see "Specifications of materials and methods to be used - PW371"			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>BRICKWORK</u>			
<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			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar:</u>			
1	Piers	m3	2
2	Half brick walls	m2	133
3	Half brick walls in beamfilling	m2	21
4	One brick walls	m2	167
Carried to Collection			R
Section No. 3 ADMINISTRATION BLOCK Bill No. 3 Masonry INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

BRICKWORK SUNDRIES

Joint forming material in movement joints:

5	12mm Bitumen impregnated fibre board built in vertically between brick skins not exceeding 300 wide	m	11
---	---	---	----

Brickwork reinforcement:

6	75mm Wide reinforcement built in horizontally	m	204
7	150mm Wide reinforcement built in horizontally	m	283

Turning pieces:

8	110mm Wide turning piece to lintel etc	m	5
9	230mm Wide turning piece to lintels etc	m	3

Pre stressed fabricated lintels:

10	110 x 75mm Lintels in lengths not exceeding 3m	m	6
11	110 x 75mm Lintels in lengths exceeding 3m but not exceeding 4,5m long	m	4

Galvanised wire ties etc:

12	30 x 1.6mm Roof tie 1.5 m long with one end fixed to round poles and other end built into brickwork	No	60
----	---	----	----

FACE BRICKWORK

Letaba Travertine Face Bricks in stretcher bond pointed with recessed horizontal and vertical joints:

13	Extra over brickwork for face brickwork in beamfilling	m2	21
14	Extra over brickwork for face brickwork	m2	174
15	Extra over brickwork for face brickwork to piers or columns	m2	2

Brick-on-edge header course copings, sills, etc of face bricks pointed with recessed joints on all exposed faces

16	Brick on edge header course lintel	m	19
----	------------------------------------	---	----

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 3
 Masonry
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

17	Cut brick on edge internal header course lintel above	m	19
18	110mm Wide sill set sloping and slightly projecting	m	18
19	220mm Brick on edge header course	m	7
20	Fair raking cutting	m	19
21	Fair fitting and cutting around pipe not exceeding 100mm	No	10

FIBRE-CEMENT WINDOW SILLS

Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc

22	12 x 152mm Wide sills set flat and slightly projecting	m	18
----	--	---	----

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 3
 Masonry
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 3

Masonry

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

96

97

98

Carried Forward to Summary of Section No. 3

R

Section No. 3

ADMINISTRATION BLOCK

Bill No. 3

Masonry

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 4</u>	Quantity	Rate	Amount
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course:</u>			
1	In walls	m2	122	
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape":</u>			
2	Under surface beds	m2	158	
3	Vertical to walls at step in building (Provisional)	m2	3	
	<u>JOINT SEALANTS, ETC.</u>			
	<u>Silicone sealing compound including backing cord, bond breaker, primer, etc:</u>			
4	Joint sealent between steel window frame and external face brick surround	m	111	
	<u>Two part grey polysulphide sealing compound including backing cord, bond breaker, primer etc</u>			
5	12 x 20mm In expansion joint in floors including raking out expansion joint filler as necessary	m	192	
	Carried Forward to Summary of Section No. 3			
	Section No. 3 ADMINISTRATION BLOCK Bill No. 4 Waterproofing INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 5</u></p>			
<p><u>ROOF COVERINGS ETC</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>General</u></p>			
<p>All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched</p>			
<p>Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use</p>			
<p><u>Sizes</u></p>			
<p>All items are measured net unless otherwise described</p>			
<p><u>Flashings, trimming plates, etc.</u></p>			
<p>Prices to include for all cutting and waste and relevant fixing material, unless otherwise described</p>			
<p>All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable</p>			
<p>All items are unless otherwise described measured net</p>			
<p>Carried to Collection</p>			
<p>Section No. 3 ADMINISTRATION BLOCK Bill No. 5 Roof Coverings INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		R	

PROFILED METAL SHEETING AND ACCESSORIES

0,5mm "Klip-Lok Light Industrial" galvanised troughed sheet steel with "Globalcoat" finish one side, fixed to roof members as described complete under a five year guarantee by an approved firm of Specialists, all in accordance with the materials supplied and methods employed by the Manufacturer:

1	Roof covering with pitch not exceeding 25 degrees fixed to timber purlins	m2	279
2	Raking cutting	m	60
<u>0,8mm Galvanised sheet iron, with "Globalcoat" one side, in:</u>			
3	Standard type FK7 counter flashing including fixing and sealing top edge of flashing against bottom jamb of louvered ventilator	m	12
4	Standard type FK3 ridge or hip flashing	m	16
5	Standard type FK8 headwall flashing	m	4
6	Standard type FK9 side wall flashing	m	5
7	Standard type FK13 barge or gable flashing	m	6
8	Standard type valley gutter, 600mm girth	m	16

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 5
 Roof Coverings
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 5

Roof Coverings

COLLECTION

Total Brought Forward from Page No.

**Page
No**

101

102

Amount

Carried Forward to Summary of Section No. 3

Section No. 3

ADMINISTRATION BLOCK

Bill No. 5

Roof Coverings

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 6</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>PRE-FABRICATED TIMBER ROOF TRUSSES</u></p>			
<p><u>Pre-fabricated metal connected timber roof trusses</u></p>			
<p>All trusses shall be fabricated by an approved truss manufacturer who holds a current Certificate of Competence awarded by the Institute for Timber Construction</p>			
<p><u>Timber</u></p>			
<p>Timber for trusses to be South African softwood and shall be in accordance with the grades as defined in SABS Specification No 563 or as defined in SABS Specification No 1460</p>			
<p><u>Bolts</u></p>			
<p>Bolts shall be in accordance with BS 4190 or SABS 135</p>			
<p><u>Shear plates, tooth connectors and split rings</u></p>			
<p>Shear plates, tooth connectors and split rings shall be in accordance with BSS 1759 : 1960 and installed in accordance with the CSIR Publication HOUT 468, "The Design, Manufacturing and Erection of Timber Trusses"</p>			
<p><u>Washers</u></p>			
<p>Square or round washers of the following dimensions shall be used with all bolts:</p>			
<p>1 Bolts up to 8mm diameter: Washers shall be minimum 25mm wide of minimum 2,50mm thickness</p>			
<p>Carried to Collection</p>			
<p>Section No. 3 ADMINISTRATION BLOCK Bill No. 6 Carpentry & Joinery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			R

2 Bolts up to 12mm diameter:
Washers shall be minimum 36mm wide of minimum 4,00mm thickness

3 Bolts up to 20mm diameter:
Washers shall be minimum 60mm wide of minimum 5,00mm thickness

Metal connector plates

Metal connector plates shall be fabricated out of not less than 1mm thick drawn quality galvanised steel

The steel shall have a minimum yield strength of 228MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resisting coating shall be not less than 275g/m2 commercial class hot dipped galvanising as per SABS 934 before stamping

All connector plates shall have been tested by the CSIR and be of a size capable of transmitting the forces between members of a truss without exceeding the design values published in the CSIR report

Truss construction

Trusses shall be constructed in jigs specially designed to ensure the correct profile, overhangs and cambers

Where metal connector plates are used all joints are to be close fitted butt joints made by precision pressing of the metal connector plates into each side of the joint

Truss design

All trusses shall be designed by a registered Professional Engineer in accordance with SABS 0163 ("Design of Timber Structures") and Code 0160 ("Loadings")

Truss spacing

The truss centres shall be less than or equal to that as described in this bill for each respective truss

Carried to Collection

R

Section No. 3
ADMINISTRATION BLOCK
Bill No. 6
Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Truss pitch

The truss pitch shall be as described in this bill for each respective truss type

Truss loading

Trusses shall be designed for a live load of 0,50kN/m2 and dead load as specified under the sub-heading "Specific load specifications for roof trusses"

Shop drawings, design and erection guarantee certificates

It will be expected from the Contractor to timeously prepare, submit and obtain the necessary approvals from the Representative/Agent in respect of the required shop drawings, design and erection guarantee certificates as specified

Dimensions

All dimensions given in the descriptions of the trusses are nominal and actual measurements are to be obtained by actual measurements taken on the site before design or fabrication commences

Erection

All trusses are to be hoisted and erected strictly in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber roof Trusses" as published by the Institute for Timber Construction and the CSIR, or the SABS Code of Practice "The Design, Manufacture and Erection of Timber Roof Trusses", or as designed and detailed by the designer

Design system

The design system as documented in this bill is based on the "MiTek" system and all references given in the descriptions are related to specific type of trusses based on this design system

However, Contractors are to note that any design system of similar quality may be used subject to the prior written approval of the Representative/Agent

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Specific specifications for roof trusses

Unless otherwise described, the following specifications will apply:

- 1 All trusses to be with a 20° pitch
- 2 The dead load consists of 0,5mm "Klip-Lok Light Industrial" galvanised troughed sheet steel roof covering with "Chromadek" finish, purlins at approximately 1200mm centres, 6mm fibre-cement nailed-up ceilings and 50mm glass fibre insulation blanket laid on top of ceilings

Rates

Tendered rates to include for the complete roof construction, including the design of the roof construction, all timber of required grade and type shown on the design, all cutting and waste, cutting to the exact lengths and end angles to manufacture the respective truss type, supply of all connector plates, fabrication of trusses, checking the completed truss for quality, loading up, transporting to the site of the works and off loading, storing under cover and protecting from the weather, hoisting up in position and erection of the roof truss structure, necessary supervision, submission of all shop drawings, design and erection guarantee certificates, etc. as specified

ROOFS, ETC.

Allow for the preparation and submission of the following documents in respect of all buildings:

- | | | |
|---|--|------|
| 1 | Detailed shop drawings indicating truss sizes, truss positions, bracings, details, etc. to be submitted for approval prior the commencement of any fabrication | Item |
| 2 | Design certificate indicating the licensed programme used, SABS specifications adhered to, general procedures and loadings adopted, sizes and grading of timber components, details, etc. | Item |
| 3 | Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Representative/Agent | Item |

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

ROOF TRUSSES

The following in prefabricated timber roof construction should be of treated timber:

4	Roof construction to double pitched roof system approximately 201m2 on plan overall including trusses, hipped ends, jack rafters, purlins, permanent bracing, etc. (measured flat)	No	1
---	--	----	---

(End of roof construction timber)

ROOF TIMBERS SUNDRIES

5	38 x 150mm Wall plate	m	63
6	76 x 50mm Beamfill close rail	m	63

SUNDRIES

7	Two coats creosote on sawn timbers	m2	50
---	------------------------------------	----	----

EAVES, VERGES, ETC.

"Everite FC77" pressed fibre-cement:

8	15 x 250mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	63
---	--	---	----

DOORS, ETC.

Approved solid core flush doors with hardwood edges and 3,2mm standard hardboard covering on both sides hung to steel frames:

9	40mm Door, size 813 x 2032mm high	No	6
---	-----------------------------------	----	---

Framed, ledged and braced wrought meranti batten door formed of 44 x 104mm tiles and top rail, 19 x 120mm middle rail and diagonal braces and 19 x 142mm bottom rail, filled in flush one side with 22 x 76mm tongued and grooved vertical battens, V-jointed one side with V-jointed continued along stiles and top rail, the other side covered with 6mm concealed hardboard panel let flush into and including rebate in framing and weather bar:

10	40mm Door 914 x 2032mm high	No	2
----	-----------------------------	----	---

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

SHELVING

11 22mm Wrought SA Pine laminated shelving 300mm wide screwed from under side to steel brackets (Steel brackets elsewhere)

m

45

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 6

Carpentry & Joinery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

104

105

106

107

108

109

Carried Forward to Summary of Section No. 3

R

Section No. 3

ADMINISTRATION BLOCK

Bill No. 6

Carpentry & Joinery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 7</u>	Quantity	Rate	Amount
	<u>CEILINGS, ETC.</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as bolted the bolts have been given.			
	<u>INSULATIONS, ETC.</u>			
	<u>50mm Insulation blanket closely fitted and laid on top of branderling between roof timbers including lapping, cutting etc:</u>			
1	Insulation blanket	m2	158	
	<u>NAILED UP CEILINGS, ETC.</u>			
	<u>Sawn softwood:</u>			
2	38 x 114mm Ceiling joists	m	138	
3	38 x 38mm Ceiling joists	m	145	
	Carried to Collection			R
	Section No. 3 ADMINISTRATION BLOCK Bill No. 7 Ceilings, Etc. INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

6,4mm Thick "Everite Nutec" fibre cement ceiling boards
120mm wide with and including H type pressed steel
jointing strips and 38 x 38mm sawn softwood branderings
at 400mm centres in one direction and around edges
where required for fixing cornices, securely spiked to
roof timbers:

4	Horizontal ceiling nailed including 38 x 50mm branderings	m2	158
5	Extra over ceiling for 600 x 600mm hinged pressed metal trap door including all necessary ironmongery	No	1

WROUGHT MERANTI

6	19 x 76mm Cornices nailed	m	181
---	---------------------------	---	-----

Carried to Collection

R

Section No. 3
ADMINISTRATION BLOCK
Bill No. 7
Ceilings, Etc.
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 7

Ceilings, Etc.

COLLECTION

Total Brought Forward from Page No.

**Page
No**

111

112

Amount

Carried Forward to Summary of Section No. 3

Section No. 3

ADMINISTRATION BLOCK

Bill No. 7

Ceilings, Etc.

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 8</u>	Quantity	Rate	Amount
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	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			
	<u>CATCHES, CABIN HOOKS, ETC</u>			
1	200mm Solid brass cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged	No	2	
	<u>LOCKS</u>			
2	"Dorma DMWC-SS-008" Bathroom/wc deadlock stainless steel forend with and including Dorma DWC-006 stainless WC indicator with turn knob	No	2	
3	"Yale Y130/70/116/1" 70mm discuss padlock	No	2	
	Carried to Collection			R
	Section No. 3 ADMINISTRATION BLOCK Bill No. 8 Ironmongery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

HANDLES, ETC

4	"Dorma D034S" mortice type multi lever sash lock including two "Dorma CB30" lever handles on rectangular keyhole backplate	No	10
5	"Dorma DPH301C" stainless steel D shaped straight back to back pull handle	No	10

SUNDRIES

6	3 x 75mm Natural anodised flat section expansion joint cover strip, holed at maximum 300mm centres for and including 4mm diameter chromium plated countersunk self tapping screw plugged	m	181
7	38mm Diameter door stop plugged	No	8
8	AL8722AS Aluminium hat and coat hook/door stop	No	6
9	"Dorma DSS130" 150 x 150mm stainless steel Male sign	No	1
10	"Dorma DSS130" 150 x 150mm stainless steel Female sign	No	1
11	19mm Diameter chromium plated towel rail 600mm long including end brackets	No	2
12	"Kimberly Clark SQ2" code 4055607 white lockable toilet roll dispenser plugged.	No	2
13	Code KC100 wall mounted key cabinet plugged to wall	No	1
14	"Dorma TS90/EN3" impulse slide channel door closer non hold open pull side fitting	No	8

KICK PLATES

0.9mm Thick satin finished stainless steel (grade 304) drilled for and fixed to door with stainless steel countersunk screws at not more than 250mm centres around edges at plate:

15	Push plate size 813 x 200mm high	No	6
16	Kick plate size 813 x 300mm high	No	6

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 8
 Ironmongery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

**PINNING BOARDS, WRITING BOARDS,
PROJECTION SCREENS, ETC**

17	Vitrex pinning boards 2000 x 1200mm high fixed to brickwork	No	4
18	"Flortime Premier Code BD04702" Synthetic fibrous bulletin pinboard size 1500 x 1200mm high with aluminium frame fixed to brickwork	No	4

SHELVING

Wall brands etc with standard epoxy powder coated finish:

19	Double slot wall band 1829mm long plugged to wall with 75mm long "Fisher" type plugs at 300mm centres	No	36
20	WB6 Double slot wall band 2134mm long plugged to wall	No	15
21	Shelf bracket 305mm	No	60
22	Shelf bracket size 450mm	No	144

LETTERS, NAME PLATES, ETC.

Approved 150 x 150 x 3mm thick PVC standard safety signage:

23	Fire extinguisher sign plugged	No	1
24	"Arrow" sign plugged	No	1

Carried to Collection

R

Section No. 3
ADMINISTRATION BLOCK
Bill No. 8
Ironmongery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 8

Ironmongery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

114

115

116

Carried Forward to Summary of Section No. 3

R

Section No. 3

ADMINISTRATION BLOCK

Bill No. 8

Ironmongery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 9</u>	Quantity	Rate	Amount
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	All steel is to receive one coat metal primer before leaving the works of the Manufacturer			
	<u>STEEL GATES, SCREENS, ETC.</u>			
	<u>Gates to external doors:</u>			
1	Single gate and frame 900 x 1980mm high of 50 x 25 x 2,5mm hollow section frame and 50 x 25 x 2mm hollow section horizontal middle rail filled in with 16 x 16mm square section vertical rails at 75mm centers and fitted with a pair of suitable hinges welded to frame and with locking mechanism for padlock all in and including outer frame of 50 x 25 x 2mm hollow section welded frame bolted to brickwork	No	2	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	Unless otherwise described, door frames are to be suitable for 40mm to 44mm thick doors.			
	Ironmongery, etc. The contractor is referred to the "Ironmongery" for ironmongery fixed to steel linings and no claims whatsoever in connection with the fittings of ironmongery to steel linings will be entertained.			
	<u>1,2mm Double rebated frames suitable for half brick walls:</u>			
2	Frame for door 813 x 2032mm high	No	6	
	Carried to Collection			R
	Section No. 3 ADMINISTRATION BLOCK Bill No. 9 Metalwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

ALUMINIUM WINDOWS AND DOORS ETC.

The general specification clause of the "Association of Architectural Aluminium Manufactures of South Africa"(AAAMSA) shall be deemed to be included herein and the following work must be carried out in strict accordance with the requirements of the said specification.

Natural anodised aluminium glazed frame with and including 6,38mm clear laminated shutter proof glass fixed to brickwork:

10	Window opening overall size 1000 x 1000mm high	No	1
----	--	----	---

CORNER PROTECTORS

11	50 x 50 x 4mm Angle section fixed to edge of floor	m	180
----	--	---	-----

Carried to Collection

R

Section No. 3
 ADMINISTRATION BLOCK
 Bill No. 9
 Metalwork

**INDEPENDENT DEVELOPMENT TRUST
 BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

Section No. 3

ADMINISTRATION BLOCK

Bill No. 9

Metalwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

118

119

120

Carried Forward to Summary of Section No. 3

R

Section No. 3

ADMINISTRATION BLOCK

Bill No. 9

Metalwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 10</u>	Quantity	Rate	Amount
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>CEMENT SCREEDS TO CONCRETE</u>			
	<u>Screeds steel trowelled on concrete:</u>			
1	30mm Thick on floors	m2	158	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork finished with a steel float:</u>			
2	On internal walls	m2	457	
3	On narrow widths	m2	9	
	<u>One coat cement plaster (3:1) to concrete:</u>			
4	Soffit of concrete slabs	m2	8	
	Carried Forward to Summary of Section No. 3			
	Section No. 3 ADMINISTRATION BLOCK Bill No. 10 Plastering INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			R

Item No	<u>BILL NO. 11</u>	Quantity	Rate	Amount
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	For Preambles see Model Preambles for Trades (1999 edition)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the architect			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	<u>WALL TILING</u>			
	<u>200 x 300 x 5mm Egeo Beige 1st grade glazed ceramic wall tiles fixed with an approved tile adhesive to cement plaster (plaster elsewhere):</u>			
1	On walls	m2	24	
2	On narrow widths.	m2	1	
	<u>FLOOR TILING</u>			
	<u>300 x 300mm (PC Sum R180.00 per m2 delivered to site) ceramic floors tiles with an approved adhesive on screeds and flush pointed with tinted waterproof jointing compound:</u>			
3	On floors and landings.	m2	158	
	Carried to Collection			
	Section No. 3 ADMINISTRATION BLOCK Bill No. 11 Tiling			
	INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			
				R

4 100mm high skirting of cut ceramic tiles.

m

167

Carried to Collection

R

Section No. 3
ADMINISTRATION BLOCK
Bill No. 11
Tiling
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 3

ADMINISTRATION BLOCK

Bill No. 11

Tiling

COLLECTION

Total Brought Forward from Page No.

**Page
No**

123

124

Amount

Carried Forward to Summary of Section No. 3

Section No. 3

ADMINISTRATION BLOCK

Bill No. 11

Tiling

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.8mm Galvanised sheet iron with "Cromadek" finish on one side:</u>			
1	100 x 125mm Eaves gutters.	m	66	
2	Extra over 100 x 125mm eaves gutter for stopped end.	No	2	
3	Extra over 100 x 125mm eaves gutter for outlet for angle.	No	8	
4	100mm Diameter rainwater for pipe.	No	8	
5	Extra over 100mm rainwater pipe for bend.	No	20	
6	Extra over 100 x 125mm eaves gutter for outlet for 0.8mm pipe	No	8	
7	Extra over rainwater pipe for shoe.	No	8	
8	Extra over 100 rainwater pipe for eaves or plinth offset 800mm projection.	No	8	
	<u>SOIL DRAINAGE</u>			
9	110mm pipes vertically or ramped to cleaning eyes etc (no excavation)	m	6	
10	110mm Pipes laid in including trenches not exceeding 1m deep.	m	120	
	<u>Extra over uPVC pipes for fittings:</u>			
11	110mm Bend.	No	3	
	Carried to Collection			R
	Section No. 3 ADMINISTRATION BLOCK Bill No. 12 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

<u>TRAP ECT</u>					
23	Franke Spazio code (301252) plumbing kit with 'P' trap for sink outlet.	No	1		
24	32mm Cobra 365/40 Bottle trap	No	2		
<u>TAPS, VALVES, ECT</u>					
<u>'Cobra Watertech':</u>					
25	331 4ST-15 Stella square pattern pillartap	No	2		
26	232/350 Angle regulating valve	No	4		
27	3366/041/10ST Wall type Stella sink mixer with overarm swivel outlet	No	1		
28	20mm Brass fullway gate wheelvalve (SABS 776-Class 9) with non-rising spindle	No	4		
<u>SANITARY PLUMBING</u>					
<u>Soil waste and vent and fitting shall be solvent welded jointed:</u>					
<u>uPVC Pipes:</u>					
29	50mm Pipes.	m	6		
30	50mm Pipes laid under solid floors.	m	12		
31	110mm Pipes.	m	50		
<u>Extra over uPVC pipes for fittings:</u>					
32	50mm Bend.	m	10		
33	50mm IE Bend	m	10		
34	50mm Vent valve	No	1		
35	110mm Access bend	No	1		
36	110mm Access junction	No	2		
Carried to Collection					
Section No. 3 ADMINISTRATION BLOCK Bill No. 12 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)					R

COMPLETION OF MAKELLE PRIMARY SCHOOL

37	110mm Reducing junction	m	2	
38	110mm GI Two way vent valve	No	2	
39	110mm IE Bend.	No	2	
40	110mm Pan Connector.	No	2	
<u>WATER SUPPLIES</u>				
<u>HDPE pressure pipes class 12:</u>				
41	25mm Pipes laid in and including trenches not exceeding 1m deep.	m	10	
42	35mm Pipes laid in and including trenches not exceeding 1m deep.	m	50	
<u>Extra over HDPE pressure pipes for "plasson" fittings:</u>				
43	25mm Copper elbow adaptor.	No	4	
44	35mm Copper elbow adaptor.	No	104	
<u>CLASS 0 copper pipes:</u>				
45	15mm Pipes.	m	22	
46	22mm Pipes.	m	17	
<u>Extra over class 0 copper pipes for capillary fittings:</u>				
47	15mm Fittings	No	40	
48	22mm Fittings	No	25	
<u>ELECTRIC WATER HEATERS</u>				
49	100 Liter 'Kwikot' horizontal floor /wall mounted electric water heater	No	1	
<u>Sundries:</u>				
50	22mm Brass gate valve.	No	1	
51	35mm Brass gate valve.	No	1	
Carried to Collection				
Section No. 3 ADMINISTRATION BLOCK Bill No. 12 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)				R

Section No. 3

ADMINISTRATION BLOCK

Bill No. 12

Plumbing and Drainage (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

126

127

128

129

130

Carried Forward to Summary of Section No. 3

R

Section No. 3

ADMINISTRATION BLOCK

Bill No. 12

Plumbing and Drainage (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 13</u>	Quantity	Rate	Amount
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>6,5mm Clear laminated glass:</u>			
1	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	2	
2	Panes exceeding 0,5m2 and not exceeding 2m2	m2	21	
	<u>6,5mm Obscure laminated glass:</u>			
3	Panes exceeding 0,1m2 and not exceeding 0,5m2	m2	5	
	<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
	<u>6mm Silvered float glass copper backed mirrors with bevelled edges fixed with 4 round nose dome screws to walls:</u>			
4	Mirror 450 x 600mm high	No	2	
	Carried Forward to Summary of Section No. 3			
	Section No. 3 ADMINISTRATION BLOCK Bill No. 13 Glazing			R
	INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	<u>BILL NO. 14</u>	Quantity	Rate	Amount
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Where described as "prepare, etc, as specified", the full specification for all painting application, primers, undercoats, preparation, etc. are to be strictly in accordance with the relevant Manufacturers' Specification and prices must allow therefor			
	<u>PAINT ON NEW WORKS</u>			
	<u>ON PLASTERED WALLS</u>			
	<u>Prepare, stop and apply one coat alkali-resistant undercoat and two coats "Dulux" super acrylic PVA paint:</u>			
1	Internal plastered walls	m2	506	
2	On ceilings	m2	8	
	<u>ON FACED BRICKWALL</u>			
	<u>Prepare and apply two coats approved face brick dressing:</u>			
3	External face bricks	m2	175	
	<u>ON ASBESTOS CEMENT, ETC.</u>			
	<u>Prepare and apply one coat universal undercoat and two full coats internal quality super acrylic PVA paint on:</u>			
4	Ceilings	m2	158	
	Carried to Collection			R
	Section No. 3 ADMINISTRATION BLOCK Bill No. 14 Paintwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Section No. 3

ADMINISTRATION BLOCK

Bill No. 14

Paintwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

133

134

Amount

Carried Forward to Summary of Section No. 3

Section No. 3

ADMINISTRATION BLOCK

Bill No. 14

Paintwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 15</u>	Quantity	Rate	Amount
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>THE FOLLOWING TO APRONS</u>			
1	Excavate in earth to reduce ground levels	m3	6	
2	Rip and scarify ground level	m2	63	
3	Cart away surplus material from excavations to a dumping site to be located by the contractor	m3	6	
4	Compaction of ground surface under aprons, etc including adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	63	
5	Weed killer	m2	63	
6	25MPa Concrete to aprons cast in panels	m3	6	
7	Extra over concrete for thickening size 300mm deep	m	63	
8	Finishing top surfaces of concrete with a wooden float	m2	63	
9	10mm Expansion joint with bitumen impregnated between vertical concrete and brickwork surfaces	m	63	
	Carried Forward to Summary of Section No. 3			R
	Section No. 3 ADMINISTRATION BLOCK Bill No. 15 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Bill No	SECTION SUMMARY - ADMINISTRATION BLOCK	Page No	Amount
	Section No. 3		
	ADMINISTRATION BLOCK		
	SECTION SUMMARY - ADMINISTRATION BLOCK		
1	Foundations (Provisional)	91	
2	Concrete, Formwork & Reinforcement	95	
3	Masonry	99	
4	Waterproofing	100	
5	Roof Coverings	103	
6	Carpentry & Joinery	110	
7	Ceilings, Etc.	113	
8	Ironmongery	117	
9	Metalwork	121	
10	Plastering	122	
11	Tiling	125	
12	Plumbing and Drainage (Provisional)	131	
13	Glazing	132	
14	Paintwork	135	
15	External Works (Provisional)	136	
	Carried to Final Summary		
	Section No. 3		
	ADMINISTRATION BLOCK		
	INDEPENDENT DEVELOPMENT TRUST		
	BID No. LDE/IA/B23/2019/20 (EDDP 184/122)		
			R

Item No	<u>BILL NO. 1</u>	Quantity	Rate	Amount
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>Earth filling obtained from the excavations and compacted to 93% Mod AASHTO density:</u>			
1	Under floors, steps, pavings, etc	m3	78	
2	Backfilling to trenches, holes, etc	m3	50	
	<u>Earth filling supplied by the contractor compacted to 93% Mod AASHTO density:</u>			
3	Under floors etc	m3	116	
	<u>Compaction of surfaces:</u>			
4	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 93% Mod AASHTO density	m2	246	
	<u>Prescribed density tests on filling:</u>			
5	"Modified AASHTO Density" test	No	6	
	Carried to Collection			R
	Section No. 4 GRADE R X 2 Bill No. 1 Foundations (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

SOIL POISONING

Soil insecticide

6	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	246
7	To bottoms and sides of trenches etc	m2	310

TESTING OF SAND, STONE, ETC

8	Allow for the testing of all concrete sand, stone, etc and for submitting a concrete mix design to the Engineer		Item
---	---	--	------

BRICKWORK

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar:

9	Piers	m3	2
10	Half brick walls	m2	182
11	One brick walls	m2	14
12	One brickwall in holes	m2	546
13	115mm Brick corbelling in septic tank	m2	88

BRICKWORK SUNDRIES

Joint forming material in movement joints:

14	12mm Fibre board built in vertically between brick skins	m	14
----	--	---	----

Brickwork reinforcement:

15	150mm Wide reinforcement built in horizontally	m	546
----	--	---	-----

FACE BRICKWORK

Letaba Travertine Face Bricks in stretcher bond pointed with recessed horizontal and vertical joints:

16	Extra over brickwork for face brickwork	m2	88
----	---	----	----

Carried to Collection

R

Section No. 4
GRADE R X 2
Bill No. 1

Foundations (Provisional)

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

	<u>Brick on edge header course copings, sills, etc face bricks pointed with recessed joints on all exposed faces:</u>				
17	Coping on top of one brick wall	m	30		
	<u>JOINT SEALENTS, ETC.</u>				
	<u>Silicone sealing compound including backing cord, bond breaker, primer, etc:</u>				
18	12 x 20mm In vertical expansion joints including raking out expansion joint filler necessary	m	14		
	Carried to Collection			R	

Section No. 4
 GRADE R X 2
 Bill No. 1
 Foundations (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 4

GRADE R X 2

Bill No. 1

Foundations (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

138

139

140

Carried Forward to Summary of Section No. 4

R

Section No. 4

GRADE R X 2

Bill No. 1

Foundations (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p>			
<p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Cost of tests</u></p>			
<p>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)</p>			
<p><u>Formwork</u></p>			
<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p>			
<p>Formworks to soffits of solid etc shall be deemed to be 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>Carried to Collection</p>			
<p>Section No. 4 GRADE R X 2 Bill No. 2 Concrete, Formwork & Reinforcement INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		R	

REINFORCED CONCRETE

25MPa/19mm concrete:

1	Surface beds cast in panels on waterproofing	m3	17
2	Walkway surface beds cast in panels on waterproofing	m3	4

25MPa/19mm Concrete:

3	Rainwater tank plinth slab	m3	2
---	----------------------------	----	---

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a steel trowel:

4	Surface beds, slabs, etc	m2	198
5	Rainwater tank slabs	m2	2
6	Walkway floor to falls	m2	48

TEST BLOCKS

7	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	12
---	--	----	----

ROUGH FORMWORK (DEGREE OF ACCURACY II)

Rough formwork to:

8	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	6
---	--	---	---

MOVEMENT JOINTS ETC

Expansion joints with Bitumen impregnated softboard between vertical concrete and brick surfaces:

9	12mm Joints not exceeding 300mm high (Provisional)	m	10
---	--	---	----

SAW CUT

10	5 x 30mm Deep saw cut joint in concrete floor	m	14
----	---	---	----

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

DIVIDING STRIPS, ETC.

11	6 x 38mm Angle iron step guard cast into concrete with 3 x 6mm anchors	m	6
----	--	---	---

REINFORCEMENT(PROVISIONAL)

Fabric reinforcement:

12	Ref 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	198
13	Ref 395 fabric reinforcement in concrete surface beds, slabs, etc	m2	48

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 4
 GRADE R X 2
 Bill No. 2
 Concrete, Formwork & Reinforcement

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

142

143

144

Carried Forward to Summary of Section No. 4

Section No. 4
 GRADE R X 2
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<u>BILL NO. 3</u>			
<u>MASONRY</u>			
<u>PREAMBLES</u>			
For preambles see "Specifications of materials and methods to be used - PW371"			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>BRICKWORK</u>			
<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			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar:</u>			
1	Piers	m3	2
2	Half brick walls	m2	80
3	Half brick walls in beamfilling	m2	58
4	One brick walls	m2	350
5	One brickwalls in beamfilling	m2	22
Carried to Collection			R
Section No. 4			
GRADE R X 2			
Bill No. 3			
Masonry			
INDEPENDENT DEVELOPMENT TRUST			
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

BRICKWORK SUNDRIES

Joint forming material in movement joints:

6	12mm Bitumen impregnated fibre board built in vertically between brick skins not exceeding 300 wide	m	10
---	---	---	----

Brickwork reinforcement:

7	75mm Wide reinforcement built in horizontally	m	160
8	150mm Wide reinforcement built in horizontally	m	286

Turning pieces:

9	110mm Wide turning piece to lintel etc	m	12
10	230mm Wide turning piece to lintels etc	m	54

Prestressed fabricated lintels:

11	110 x 75mm Lintels in lengths not exceeding 3000mm	m	12
----	--	---	----

Galvanised wire ties etc:

12	30 x 1.6mm Roof tie 1500mm long with one end fixed to round poles and other end built into brickwork	No	104
----	--	----	-----

FACE BRICKWORK

Letaba Travertine Face Bricks in stretcher bond pointed with recessed horizontal and vertical joints:

13	Extra over brickwork for face brickwork	m2	314
14	Extra over brickwork for face brickwork to piers or columns	m2	36

Brick-on-edge header course copings, sills, etc of face bricks pointed with recessed joints on all exposed faces:

15	Brick on edge header course lintel	m	8
16	Cut brick on edge internal header course lintel above	m	20
17	110mm Wide sill set sloping and slightly projecting	m	42

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 3
 Masonry

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

18	220mm Wide sill set sloping and slightly projecting	m	42
19	Fair raking cutting	m	48
<u>FIBRE-CEMENT WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc:</u>			
20	12 x 152mm Wide sills set flat and slightly projecting	m	42

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 3
 Masonry
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

Section No. 4

GRADE R X 2

Bill No. 3

Masonry

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

146

147

148

Carried Forward to Summary of Section No. 4

R

Section No. 4

GRADE R X 2

Bill No. 3

Masonry

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>WATERPROOFING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>DAMP-PROOFING OF WALLS AND FLOORS</u>			
	<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course:</u>			
1	In walls	m2	52	
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape":</u>			
2	Under surface beds	m2	198	
3	Vertical to walls at step in building	m2	2	
	<u>JOINT SEALANTS, ETC.</u>			
	<u>Silicone sealing compound including backing cord, bond breaker, primer, etc:</u>			
4	5 x 30mm Deep saw cut joint in floor	m	14	
5	Joint sealent between steel window frame and external face brick surround	m	142	
	<u>Two part grey polysulphide sealing compound including backing cord, bond breaker, primer etc</u>			
6	12 x 20mm In expansion joint in floors including raking out expansion joint filler as necessary	m	4	
7	12 x 20mm In expansion joint in walls including raking out expansion joint filler as necessary	m	12	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4			
	GRADE R X 2			
	Bill No. 4			
	Waterproofing			
	INDEPENDENT DEVELOPMENT TRUST			
	BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 5</u></p>			
<p><u>ROOF COVERINGS ETC</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>General</u></p>			
<p>All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched</p>			
<p>Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use</p>			
<p><u>Sizes</u></p>			
<p>All items are measured net unless otherwise described</p>			
<p><u>Flashings, trimming plates, etc.</u></p>			
<p>Prices to include for all cutting and waste and relevant fixing material, unless otherwise described</p>			
<p>All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable</p>			
<p>All items are unless otherwise described measured net</p>			
<p>Carried to Collection</p>			
<p>Section No. 4 GRADE R X 2 Bill No. 5 Roof Coverings</p>			
<p>INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			
		R	

PROFILED METAL SHEETING AND ACCESSORIES

0,6mm "Klip-Lok Light Industrial" galvanised troughed sheet steel with "Globalcoat" finish one side, fixed to roof members as described complete under a five year guarantee by an approved firm of Specialists, all in accordance with the materials supplied and methods employed by the Manufacturer:

1	Roof covering with pitch not exceeding 25 degrees fixed to timber purlins	m2	314
2	Raking cutting	m	48
<u>0,8mm Galvanised sheet iron, with "Globalcoat" one side, in:</u>			
3	Standard type FK3 ridge or hip flashing	m	48

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 5
 Roof Coverings

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 4

GRADE R X 2

Bill No. 5

Roof Coverings

COLLECTION

Total Brought Forward from Page No.

**Page
No**

151

152

Amount

Carried Forward to Summary of Section No. 4

Section No. 4

GRADE R X 2

Bill No. 5

Roof Coverings

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 6</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>PRE-FABRICATED TIMBER ROOF TRUSSES</u></p>			
<p><u>Pre-fabricated metal connected timber roof trusses</u></p>			
<p>All trusses shall be fabricated by an approved truss manufacturer who holds a current Certificate of Competence awarded by the Institute for Timber Construction</p>			
<p><u>Timber</u></p>			
<p>Timber for trusses to be South African softwood and shall be in accordance with the grades as defined in SABS Specification No 563 or as defined in SABS Specification No 1460</p>			
<p><u>Bolts</u></p>			
<p>Bolts shall be in accordance with BS 4190 or SABS 135</p>			
<p><u>Shear plates, tooth connectors and split rings</u></p>			
<p>Shear plates, tooth connectors and split rings shall be in accordance with BSS 1759 : 1960 and installed in accordance with the CSIR Publication HOUT 468, "The Design, Manufacturing and Erection of Timber Trusses"</p>			
<p><u>Washers</u></p>			
<p>Square or round washers of the following dimensions shall be used with all bolts:</p>			
<p>1 Bolts up to 8mm diameter: Washers shall be minimum 25mm wide of minimum 2,50mm thickness</p>			
<p>Carried to Collection</p>			
<p>Section No. 4 GRADE R X 2 Bill No. 6 Carpentry & Joinery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			R

2 Bolts up to 12mm diameter:
Washers shall be minimum 36mm wide of minimum 4,00mm thickness

3 Bolts up to 20mm diameter:
Washers shall be minimum 60mm wide of minimum 5,00mm thickness

Metal connector plates

Metal connector plates shall be fabricated out of not less than 1mm thick drawn quality galvanised steel

The steel shall have a minimum yield strength of 228MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resisting coating shall be not less than 275g/m² commercial class hot dipped galvanising as per SABS 934 before stamping

All connector plates shall have been tested by the CSIR and be of a size capable of transmitting the forces between members of a truss without exceeding the design values published in the CSIR report

Truss construction

Trusses shall be constructed in jigs specially designed to ensure the correct profile, overhangs and cambers

Where metal connector plates are used all joints are to be close fitted butt joints made by precision pressing of the metal connector plates into each side of the joint

Truss design

All trusses shall be designed by a registered Professional Engineer in accordance with SABS 0163 ("Design of Timber Structures") and Code 0160 ("Loadings")

Truss spacing

The truss centres shall be less than or equal to that as described in this bill for each respective truss

Carried to Collection

Section No. 4
GRADE R X 2
Bill No. 6

Carpentry & Joinery

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Truss pitch

The truss pitch shall be as described in this bill for each respective truss type

Truss loading

Trusses shall be designed for a live load of 0,50kN/m² and dead load as specified under the sub-heading "Specific load specifications for roof trusses"

Shop drawings, design and erection guarantee certificates

It will be expected from the Contractor to timeously prepare, submit and obtain the necessary approvals from the Representative/Agent in respect of the required shop drawings, design and erection guarantee certificates as specified

Dimensions

All dimensions given in the descriptions of the trusses are nominal and actual measurements are to be obtained by actual measurements taken on the site before design or fabrication commences

Erection

All trusses are to be hoisted and erected strictly in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber roof Trusses" as published by the Institute for Timber Construction and the CSIR, or the SABS Code of Practice "The Design, Manufacture and Erection of Timber Roof Trusses", or as designed and detailed by the designer

Design system

The design system as documented in this bill is based on the "MiTek" system and all references given in the descriptions are related to specific type of trusses based on this design system

However, Contractors are to note that any design system of similar quality may be used subject to the prior written approval of the Representative/Agent

Carried to Collection

R

Section No. 4

GRADE R X 2

Bill No. 6

Carpentry & Joinery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Specific specifications for roof trusses

Unless otherwise described, the following specifications will apply:

- 1 All trusses to be with a 20° pitch
- 2 The dead load consists of 0,5mm "Klip-Lok Light Industrial" galvanised troughed sheet steel roof covering with "Chromadek" finish, purlins at approximately 1200mm centres, 6mm fibre-cement nailed-up ceilings and 50mm glass fibre insulation blanket laid on top of ceilings

Rates

Tendered rates to include for the complete roof construction, including the design of the roof construction, all timber of required grade and type shown on the design, all cutting and waste, cutting to the exact lengths and end angles to manufacture the respective truss type, supply of all connector plates, fabrication of trusses, checking the completed truss for quality, loading up, transporting to the site of the works and off loading, storing under cover and protecting from the weather, hoisting up in position and erection of the roof truss structure, necessary supervision, submission of all shop drawings, design and erection guarantee certificates, etc. as specified

ROOFS ETC

Allow for the preparation and submission of the following documents in respect of all buildings:

- | | | |
|---|--|------|
| 1 | Detailed shop drawings indicating truss sizes, truss positions, bracings, details, etc. to be submitted for approval prior the commencement of any fabrication | Item |
| 2 | Design certificate indicating the licensed programme used, SABS specifications adhered to, general procedures and loadings adopted, sizes and grading of timber components, details, etc. | Item |
| 3 | Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Representative/Agent | Item |

Carried to Collection

R

Section No. 4
GRADE R X 2
Bill No. 6

Carpentry & Joinery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

ROOF TRUSSES

The following in prefabricated timber roof construction should be of treated timber:

4	Roof construction to double pitched roof system approximately 260 m2 on plan overall including trusses, hipped ends, jack rafters, purlins, permanent bracing, etc. (measured flat)	No	1
---	---	----	---

(End of roof construction timber)

ROOF TIMBERS SUNDRIES:

5	38 x 150mm Wall plate	m	72
6	76 x 50mm Beamfill close rail	m	72
7	228 x 50mm SAP laminated beam	m	30

Sundries

8	Two coats creosote on sawn timbers	m2	24
---	------------------------------------	----	----

EAVES, VERGES, ETC

"Everite FC77" pressed fibre-cement:

9	15 x 250mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	72
---	--	---	----

DOORS, ETC.

Approved solid core flush doors with hardwood edges and 3,2mm standard hardboard covering on both sides hung to steel frames:

10	40mm Door, size 813 x 2032mm high	No	14
11	40mm Door, size 914 x 2032mm high	No	2

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Framed, ledged and braced wrought meranti batten door formed of 44 x 104mm tiles and top rail, 19 x 120mm middle rail and diagonal braces and 19 x 142mm bottom rail, filled in flush one side with 22 x 76mm tongued and grooved vertical battens, V-jointed one side with V-jointed continued along stiles and top rail, the other side covered with 6mm concealed hardboard panel let flush into and including rebate in framing and weather bar:

12	40mm 914 x 2032mm high	No	4
----	------------------------	----	---

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 4

GRADE R X 2

Bill No. 6

Carpentry & Joinery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

154

155

156

157

158

159

Carried Forward to Summary of Section No. 4

R

Section No. 4

GRADE R X 2

Bill No. 6

Carpentry & Joinery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 7</u>	Quantity	Rate	Amount
	<u>CEILINGS, ETC.</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as bolted the bolts have been given.			
	<u>INSULATIONS, ETC.</u>			
	<u>50mm Insulation blanket closely fitted and laid on top of branderling between roof timbers including lapping, cutting etc:</u>			
1	Insulation blanket	m2	198	
	<u>NAILED UP CEILINGS, ETC.</u>			
	<u>Sawn softwood:</u>			
2	38 x 114mm Ceiling joists	m	62	
3	38 x 38mm Ceiling joists	m	30	
	Carried to Collection			R
	Section No. 4 GRADE R X 2 Bill No. 7 Ceilings, Etc. INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Section No. 4

GRADE R X 2

Bill No. 7

Ceilings, Etc.

COLLECTION

Total Brought Forward from Page No.

**Page
No**

161

162

Amount

Carried Forward to Summary of Section No. 4

Section No. 4

GRADE R X 2

Bill No. 7

Ceilings, Etc.

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 8</u>	Quantity	Rate	Amount
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	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			
	<u>CATCHES, CABIN HOOKS, ETC</u>			
1	200mm Solid brass cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged	No	6	
	<u>LOCKS</u>			
2	"Dorma DMWC-SS-008" Bathroom/wc deadlock stainless steel forend with and including Dorma DWC-006 stainless WC indicator with turn knob	No	6	
3	"Yale Y130/70/116/1" 70mm discuss padlock	No	4	
	Carried to Collection			R
	Section No. 4			
	GRADE R X 2			
	Bill No. 8			
	Ironmongery			
	INDEPENDENT DEVELOPMENT TRUST			
	BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

4	"Solid Blesbok" 460/313 four lever lockset	No	14		
	<u>SUNDRIES</u>				
5	3 x 75mm Natural anodised flat section expansion joint cover strip, holed at maximum 300mm centres for and including 4mm diameter chromium plated countersunk self tapping screw plugged	m	4		
6	38mm Diameter door stop plugged	No	20		
7	AL8722AS Aluminium hat and coat hook/door stop	No	6		
8	"Dorma DSS130" 150 x 150mm stainless steel Male sign	No	2		
9	"Dorma DSS130" 150 x 150mm stainless steel Female sign	No	2		
10	19mm Diameter chromium plated towel rail 600mm long including end brackets	No	2		
11	"Kimberly Clark SQ2" code 4055607 white lockable toilet roll dispenser plugged.	No	6		
	<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>				
12	Vitrex pinning boards 2000 x 1200mm high fixed to brickwork	No	2		
13	Vitrex system 1000 enamelled green folding type writing board with wall mounted centre board 4800 x 1220mm high with chalk rail and two swing leaves each 1200 x 1220mm plugged	No	2		
	<u>LETTERS, NAME PLATES, ETC</u>				
	<u>Approved 150 x 150 x 3mm thick PVC standard safety signage:</u>				
14	Fire extinguisher sign plugged	No	2		
15	"Arrow" sign plugged	No	2		
	Carried to Collection				
	Section No. 4 GRADE R X 2 Bill No. 8 Ironmongery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)				R

Section No. 4

GRADE R X 2

Bill No. 8

Ironmongery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

164

165

Amount

Carried Forward to Summary of Section No. 4

Section No. 4

GRADE R X 2

Bill No. 8

Ironmongery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>METALWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	All steel is to receive one coat metal primer before leaving the works of the Manufacturer			
	<u>MILD STEEL</u>			
	<u>The following in identical steel support columns:</u>			
1	Bolts, complete with nuts and two washers each	kg	4	
2	76 x 76 x 3mm (6.63kg/m) Square hollow section columns	m	74	
3	127 x 76 x 4mm (11.8kg/m) Rectangular hollow section beam	m	60	
4	75 x 6mm Flat section fixing plate 120mm long twice holed for bolt and welded to top end of tubular section column	No	22	
5	100 x 60 x 4,5 x 200mm Long rectangular hollow U section welded to top of steel column and bolted through timber beam	No	22	
6	200 x 200 x 10mm Flat base plate welded to bottom end tubular section column with four number holes for bolts	No	22	
7	10mm Diameter x 75mm long sleeved masonry anchor	No	88	
	Carried to Collection			R
	Section No. 4 GRADE R X 2 Bill No. 9 Metalwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

STEEL GATES, SCREENS, ETC.

Gates to external doors:

8	Double gate and frame 2000 x 2185mm high of 50 x 25 x 1,6mm mild steel hollow section frame and 50 x 25 x 1,6mm hollow section horizontal middle rail filled in with 25 x 25 x 1,6mm square tubing section vertical rails at 75mm centers with expanded metal mesh on one of opening welded to frame with 10 x 10mm mild steel solid bar on both sides of mesh and fitted with a pair of suitable hinges welded to frame with locking mechanism for a four lever lockset all in and including outer frame of 50 x 25 x 1,6mm hollow section welded frame bolted to brickwork	No	2
---	--	----	---

Standard "NTY" or similar approved purpose made 1,2mm thick double rebated door frames suitable for half brick walls:

9	"NTY 914 Combo" combination door frame with security gate (both opening out), consisting of pressed steel frame for door 914 x 2032mm high fitted with three parliament hinges with and including single security gate and frame, 914 x 2032mm high overall of 25 x 25 x 2mm hollow section framed surround mitred and welded at angles two 25 x 25 x 2mm hollow section horizontal middle rails, gate filled in with 12 x 12mm square solid section vertical bars at 100mm centres and fitted with locking bolt suitable for padlock frame formed of 15 x 15 x 2mm tubular section stiles and top rail mitred and weled at angles and fitted with three hinges welded to gate and frame, frame factory welded at maximum 250mm centres to door frame	No	4
---	---	----	---

PRESSED STEEL DOOR FRAMES

Unless otherwise described, door frames are to be suitable for 40mm to 44mm thick doors.

Ironmongery, etc. The contractor is referred to the "Ironmongery" for ironmongery fixed to steel linings and no claims whatsoever in connection with the fittings of ironmongery to steel linings will be entertained.

1,2mm Double rebated frames suitable for half brick walls:

10	Frame for door 813 x 2032mm high	No	14
----	----------------------------------	----	----

Carried to Collection

Section No. 4
 GRADE R X 2
 Bill No. 9
 Metalwork

**INDEPENDENT DEVELOPMENT TRUST
 BID No. LDE/IA/B23/2019/20 (EDDP 184/122)**

R

Section No. 4

GRADE R X 2

Bill No. 9

Metalwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

167

168

169

Carried Forward to Summary of Section No. 4

R

Section No. 4

GRADE R X 2

Bill No. 9

Metalwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 10</u>	Quantity	Rate	Amount
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>CEMENT SCREEDS TO CONCRETE</u>			
	<u>Screeds steel trowelled on concrete:</u>			
1	30mm Thick on floors	m2	246	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork finished with a steel float:</u>			
2	On internal walls	m2	572	
3	On narrow widths	m2	28	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4 GRADE R X 2 Bill No. 10 Plastering INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	<u>BILL NO. 11</u>	Quantity	Rate	Amount
	<u>TILING</u>			
	<u>PREAMBLES</u>			
	For Preambles see Model Preambles for Trades (1999 edition)			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the architect			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	<u>WALL TILING</u>			
	<u>150mm x 150mm (PC Sum of R180.00 per m2 delivered to site) ceramic wall tiles fixed with an approved tile adhesive to cement plaster (plaster elsewhere):</u>			
1	On walls	m2	94	
2	On narrow widths.	m2	14	
	<u>FLOOR TILING</u>			
	<u>300 x 300mm (PC Sum of R180.00 per m2 delivered to site) ceramic floor tiles with an approved adhesive on screeds and fush pointed with tinted waterproof jointing compound:</u>			
3	On floors and landings.	m2	198	
	Carried to Collection			R
	Section No. 4 GRADE R X 2 Bill No. 11 Tiling			
	INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

4 100mm high skirting of cut ceramic tiles.

m

184

Carried to Collection

R

Section No. 4
GRADE R X 2
Bill No. 11
Tiling

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

Section No. 4

GRADE R X 2

Bill No. 11

Tiling

COLLECTION

Total Brought Forward from Page No.

**Page
No**

172

173

Amount

Carried Forward to Summary of Section No. 4

Section No. 4

GRADE R X 2

Bill No. 11

Tiling

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No		Quantity	Rate	Amount
	<u>BILL NO. 12</u>			
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>RAINWATER DISPOSAL</u>			
	<u>0.8mm Galvanised sheet iron seamless gutters with "Cromadek" finish on one side:</u>			
1	100 x 125mm Eaves gutters.	m	72	
2	Extra over 100 x 125mm eaves gutter for stopped end.	No	4	
3	Extra over 100 x 125mm eaves gutter for outlet for angle.	No	10	
4	100mm Diameter 3000mm long rainwater for pipe.	No	10	
5	Extra over 100mm rainwater pipe for bend.	No	10	
6	Extra over 100 x 125mm eaves gutter for outlet for 0.8mm pipe	No	10	
7	Extra over rainwater pipe for shoe.	No	10	
8	Extra over 100 rainwater pipe for eaves or plinth offset 800mm projection.	No	10	
	<u>SOIL DRAINAGE</u>			
9	110mm pipes vertically or ramped to cleaning eyes etc (no excavation)	m	20	
10	110mm Pipes laid in including trenches not exceeding 1m deep.	m	40	
	<u>Extra over uPVC pipes for fittings:</u>			
11	110mm Bend.	No	8	
	Carried to Collection			R
	Section No. 4 GRADE R X 2 Bill No. 12 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

12	110mm Junction.	No	8		
13	110mm Access junction.	No	8		
	<u>Pre-cast concrete gulleys:</u>				
14	150mm Gulley not exceeding 2000mm deep	No	6		
	<u>Gratings, covers, etc:</u>				
15	110mm Roding eye.	No	4		
16	100mm ABC cast iron cleaning eye cover.	No	2		
	<u>Sundries:</u>				
17	Extra over excavation in earth for pipe trenches, chambers, etc for excavation in soft rock	m3	6		
18	Extra over excavation in earth for pipe trenches, chamber,etc for excavation in hard rock.	m3	12		
	<u>SANITARY FITTINGS</u>				
19	SodiacModel ZOx651 Grade 304 18/10 stainless steel single end bowl sink size 1000 x 500mm wide fitted to top of cabinet (cabinet elsewhere measured)	No	2		
20	"Mini" white WC-Suite 45litres vitreous china pan and P-trap with heavy duty single plastic flap seat with and including 5 litre low level vitreous china cistern	No	6		
21	510 x 405mm "Tuscany" white rounded basin (code 7006) with one tap hole with and including a pedestal fixed to brickwall	No	10		
	<u>WASTE UNIONS ECT</u>				
	<u>"Cobra 316" unslotted waste and plug with chain</u>				
22	38mm "Cobra 316" unslotted waste and plug with chain.	No	10		
	<u>TRAP ECT</u>				
23	32 x 40mm CP urinal bottle trap	No	10		
	Carried to Collection				
	Section No. 4 GRADE R X 2 Bill No. 12 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)				R

TAPS, VALVES, ECT

'Cobra Watertech':

24	232/350 Angle regulating valve	No	2
----	--------------------------------	----	---

SANITARY PLUMBING

Soil waste and vent and fitting shall be solvent welded jointed

uPVC pipes

25	50mm Pipes.	m	50
----	-------------	---	----

26	50mm Pipes laid under solid floors.	m	30
----	-------------------------------------	---	----

27	110mm Pipes.	m	64
----	--------------	---	----

Extra over uPVC pipes for fittings:

28	50mm Bend.	m	12
----	------------	---	----

29	50mm IE Bend	m	10
----	--------------	---	----

30	50mm Vent valve	No	6
----	-----------------	----	---

31	110mm Access bend	No	4
----	-------------------	----	---

32	110mm Access junction	No	6
----	-----------------------	----	---

33	110mm Reducing junction	m	10
----	-------------------------	---	----

34	110mm GI Two way vent valve	No	6
----	-----------------------------	----	---

35	110mm IE Bend.	No	2
----	----------------	----	---

36	110mm Pan Connector.	No	6
----	----------------------	----	---

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 12
 Plumbing and Drainage (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

WATER SUPPLIES

HDPE pressure pipes class 12:

37	25mm Pipes laid in and including trenches not exceeding 1m deep.	m	124
----	--	---	-----

Extra over HDPE pressure pipes for "plascon" fittings:

38	25mm Copper elbow adaptor.	No	46
----	----------------------------	----	----

CLASS O copper pipes:

39	15mm Pipes.	m	130
----	-------------	---	-----

Extra over class 0 copper pipes for capillary fittings:

40	15mm Fittings	No	50
----	---------------	----	----

TESTING

41	Testing water supply system		Item
----	-----------------------------	--	------

FIRE APPLIANCES, ETC.

42	9kg DCP extinguisher with brackets screwed and including varnished hardwood backboard plugged.	No	2
----	--	----	---

RAINWATER HARVESTING TANKS

43	Jojo or equally approved 5000 Litre dark green with an approved UV rust and chemical resistant polyethylene water tank with a 5 year guarantee secured on top of plinth including 20mm brass bip tap and all necessary fittings	No	2
----	---	----	---

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 12
 Plumbing and Drainage (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 4

GRADE R X 2

Bill No. 12

Plumbing and Drainage (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

175

176

177

178

Carried Forward to Summary of Section No. 4

R

Section No. 4

GRADE R X 2

Bill No. 12

Plumbing and Drainage (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 14</u>	Quantity	Rate	Amount
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Where described as "prepare, etc, as specified", the full specification for all painting application, primers, undercoats, preparation, etc. are to be strictly in accordance with the relevant Manufacturers' Specification and prices must allow therefor			
	<u>PAINT ON NEW WORKS</u>			
	<u>ON PLASTERED WALLS</u>			
	<u>Prepare, stop and apply one coat alkali-resistant undercoat and two coats "Dulux" super acrylic PVA paint:</u>			
1	Internal plastered walls	m2	506	
2	On ceilings	m2	246	
	<u>ON ASBESTOS CEMENT, ETC.</u>			
	<u>Prepare and apply one universal undercoat and two coats gloss enamel paint:</u>			
3	Fascias and barge boards	m2	90	
	<u>ON METAL</u>			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint:</u>			
4	Pressed steel door frames	m2	50	
	Carried to Collection			R
	Section No. 4 GRADE R X 2 Bill No. 14 Paintwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

5	On windows with burglar bars	m2	230
6	On gates, grilles, buglar screens, balustrades, etc (both sides measured over the full flat area)	m2	54
<u>ON WOOD</u>			
<u>One coat 'Dulux 196-0763' undercoat and two coats 'Dulux 236-0734 Silthane' gloss enamel paint:</u>			
7	General surfaces of doors	m2	86
<u>Three coats polyurethane suede varnish:</u>			
8	General surfaces of doors	m2	24
9	On skirting, cornice, etc. not exceeding 300mm girth	m	404

Carried to Collection

R

Section No. 4
 GRADE R X 2
 Bill No. 14
 Paintwork

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 4

GRADE R X 2

Bill No. 14

Paintwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

181

182

Amount

Carried Forward to Summary of Section No. 4

Section No. 4

GRADE R X 2

Bill No. 14

Paintwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 15</u>	Quantity	Rate	Amount
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>THE FOLLOWING TO APRONS</u>			
1	Excavate in earth to reduce ground levels	m3	8	
2	Rip and scarify ground level	m2	72	
3	Cart away surplus material from excavations to a dumping site to be located by the contractor	m3	8	
4	Compaction of ground surface under aprons, etc including adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	72	
5	Weed killer	m2	72	
6	25MPa Concrete to aprons cast in panels	m3	6	
7	Extra over concrete for thickening size 300mm deep	m	72	
8	Finishing top surfaces of concrete with a wooden float	m2	72	
9	10mm Expansion joint with bitumen impregnated between vertical concrete and brickwork surfaces	m	72	
	Carried Forward to Summary of Section No. 4			R
	Section No. 4 GRADE R X 2 Bill No. 15 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Bill No	SECTION SUMMARY - GRADE R X 2	Page No	Amount
	Section No. 4		
	GRADE R X 2		
	SECTION SUMMARY - GRADE R X 2		
1	Foundations (Provisional)	141	
2	Concrete, Formwork & Reinforcement	145	
3	Masonry	149	
4	Waterproofing	150	
5	Roof Coverings	153	
6	Carpentry & Joinery	160	
7	Ceilings, Etc.	163	
8	Ironmongery	166	
9	Metalwork	170	
10	Plastering	171	
11	Tiling	174	
12	Plumbing and Drainage (Provisional)	179	
13	Glazing	180	
14	Paintwork	183	
15	External Works (Provisional)	184	
	Carried to Final Summary		
	Section No. 4		
	GRADE R X 2		
	INDEPENDENT DEVELOPMENT TRUST		
	BID No. LDE/IA/B23/2019/20 (EDDP 184/122)		
			R

Item No	<u>BILL NO. 1</u>	Quantity	Rate	Amount
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site			
	<u>SITE CLEARANCE</u>			
	<u>Site clearance, etc.</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	244	
	<u>EXCAVATION, FILLING, ETC</u>			
	<u>Excavation in earth not exceeding 2m deep:</u>			
2	Trenches	m3	41	
3	Holes	m3	67	
	<u>Extra over trench and hole excavations in earth for excavation in</u>			
4	Soft rock	m3	10	
5	Hard rock	m3	10	
	Carried to Collection			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 1 Foundations (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

	<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	59	
	<u>Risk of collapse of excavations</u>			
7	Sides of trench and hole excavations not exceeding 1,5m deep	m2	226	
	<u>Keeping excavations free of water</u>			
8	Keeping excavations free of all water other than subterranean water		Item	
	<u>Earth filling obtained from the excavations and compacted to 93% Mod AASHTO density</u>			
9	Under floors, steps, pavings, etc	m3	33	
10	Backfilling to trenches, holes, etc	m3	16	
	<u>Earth filling supplied by the contractor compacted to 93% Mod AASHTO density:</u>			
11	Under floors etc	m3	40	
	<u>Sand bed filling:</u>			
12	50mm Thick layer on floors etc	m2	103	
	<u>Compaction of surfaces:</u>			
13	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 93% Mod AASHTO density	m2	103	
14	Compaction of ground surface to bottoms of surface trenches including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	55	
	<u>Prescribed density tests on filling</u>			
15	"Modified AASHTO Density" test	No	20	
	Carried to Collection			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 1 Foundations (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

<u>SOIL POISONING</u>			
<u>Soil insecticide</u>			
16	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	103
17	To bottoms and sides of trenches etc	m2	188
<u>TESTING OF SAND, STONE, ETC</u>			
18	Allow for the testing of all concrete sand, stone, etc and for submitting a concrete mix design to the Engineer		Item
<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
<u>25MPa/19mm Concrete:</u>			
19	Strip footings	m3	14
20	Srip footing cast in pit latrine holes	m3	5
<u>TEST BLOCKS</u>			
21	Making and testing 150 x 150 x 150mm concrete strength test cube	No	10
<u>REINFORCEMENT</u>			
<u>Mild steel bar reinforcement to structural concrete work:</u>			
22	10mm Diameter bars	t	0.05
<u>High tensile steel bar reinforcement to structural concrete work:</u>			
23	12mm Diameter bars	t	0.10
<u>BRICKWORK</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar</u>			
24	One brick walls	m2	42
Carried to Collection			R
Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 1 Foundations (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

25	One brickwall in holes	m2	91
26	115mm Brick corbelling in septic tank	m2	46
<u>BRICKWORK SUNDRIES</u>			
<u>Brickwork reinforcement</u>			
27	150mm Wide reinforcement built in horizontally	m	658
<u>FACE BRICKWORK</u>			
<u>Letaba Travertine Face Bricks in stretcher bond pointed with recessed horizontal and vertical joints:</u>			
28	Extra over brickwork for face brickwork	m2	102
<u>JOINT SEALENTS ETC</u>			
<u>Minimum two coats approved black epoxy coat:</u>			
29	On internal textured plaster walls	m2	174
<u>INTERNAL PLASTER</u>			
<u>Cement plaster on brickwork:</u>			
30	On walls in septic tank	m2	174

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 1
 Foundations (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 1

Foundations (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

186

187

188

189

Carried Forward to Summary of Section No. 5

R

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 1

Foundations (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p>			
<p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>Cost of tests</u></p>			
<p>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)</p>			
<p><u>Formwork</u></p>			
<p>Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use</p>			
<p>Formworks to soffits of solid etc shall be deemed to be 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>Carried to Collection</p>			
<p>Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 2 Concrete, Formwork & Reinforcement INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		R	

REINFORCED CONCRETE

25MPa/19mm concrete:

1	Surface beds cast in panels on waterproofing	m3	18
---	--	----	----

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a steel trowel:

2	Surface beds, slabs, etc	m2	112
---	--------------------------	----	-----

TEST BLOCKS

3	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	8
---	--	----	---

ROUGH FORMWORK (DEGREE OF ACCURACY II)

Rough formwork to:

4	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	120
---	--	---	-----

PERMANENT FORMWORK

Permanent formwork to soffits:

5	Slabs propped up not exceeding 1.5m high	m2	32
---	--	----	----

6	Form 500mm radius opening in floor slab	No	18
---	---	----	----

SAW CUT

7	5 x 30mm Deep saw cut joint in concrete floor	m	36
---	---	---	----

REINFORCEMENT(PROVISIONAL)

Fabric reinforcement:

8	Ref 245 fabric reinforcement in concrete surface beds, slabs, etc	m2	112
---	---	----	-----

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 2
 Concrete, Formwork & Reinforcement
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 2

Concrete, Formwork & Reinforcement

COLLECTION

Total Brought Forward from Page No.

**Page
No**

191

192

Amount

Carried Forward to Summary of Section No. 5

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 2

Concrete, Formwork & Reinforcement

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 3</u>	Quantity	Rate	Amount
	<u>MASONRY</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>BRICKWORK</u>			
	<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			
	<u>Pointing</u>			
	Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
	<u>BRICKWORK SUNDRIES</u>			
	<u>Brickwork reinforcement:</u>			
1	75mm Wide reinforcement built in horizontally	m	280	
2	150mm Wide reinforcement built in horizontally	m	608	
	<u>Turning pieces:</u>			
3	110mm Wide turning piece to lintel etc	m	13	
	Carried to Collection			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 3 Masonry INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 3

Masonry

COLLECTION

Total Brought Forward from Page No.

**Page
No**

194

195

Amount

Carried Forward to Summary of Section No. 5

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 3

Masonry

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 5</u></p>			
<p><u>ROOF COVERINGS ETC</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>General</u></p>			
<p>All roof coverings, etc., to be with a covering of Z275 galvanising. All holes to be drilled and not punched</p>			
<p>Where described as with "Chromadek" finish, all sheets, flashings, etc., shall be with "Chromadek" silicone polyester paint for exterior use</p>			
<p><u>Sizes</u></p>			
<p>All items are measured net unless otherwise described</p>			
<p><u>Flashings, trimming plates, etc.</u></p>			
<p>Prices to include for all cutting and waste and relevant fixing material, unless otherwise described</p>			
<p>All rates for flashings, trimmings, etc., to include for forming drips and closed ends to troughs of sheet steel roof covering where applicable</p>			
<p>All items are unless otherwise described measured net</p>			
<p>Carried to Collection</p>			
<p>Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 5 Roof Coverings INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		R	

PROFILED METAL SHEETING AND ACCESSORIES

0,6mm "Klip-Lok Light Industrial" galvanised troughed sheet steel with "Globalcoat" finish one side, fixed to roof members as described complete under a five year guarantee by an approved firm of Specialists, all in accordance with the materials supplied and methods employed by the Manufacturer:

1	Roof covering with pitch not exceeding 25 degrees fixed to timber purlins	m2	104
2	Raking cutting	m	96
<u>0,8mm Galvanised sheet iron, with "Globalcoat" one side, in:</u>			
3	Standard type FK7 counter flashing including fixing and sealing top edge of flashing against bottom jamb of louvered ventilator	m	96
4	Standard type FK3 ridge or hip flashing	m	20

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 5
 Roof Coverings
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 5

Roof Coverings

COLLECTION

Total Brought Forward from Page No.

**Page
No**

198

199

Amount

Carried Forward to Summary of Section No. 5

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 5

Roof Coverings

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 6</u></p>			
<p><u>CARPENTRY AND JOINERY</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specifications of materials and methods to be used - PW371"</p>			
<p><u>PRE-FABRICATED TIMBER ROOF TRUSSES</u></p>			
<p><u>Pre-fabricated metal connected timber roof trusses</u></p>			
<p>All trusses shall be fabricated by an approved truss manufacturer who holds a current Certificate of Competence awarded by the Institute for Timber Construction</p>			
<p><u>Timber</u></p>			
<p>Timber for trusses to be South African softwood and shall be in accordance with the grades as defined in SABS Specification No 563 or as defined in SABS Specification No 1460</p>			
<p><u>Bolts</u></p>			
<p>Bolts shall be in accordance with BS 4190 or SABS 135</p>			
<p><u>Shear plates, tooth connectors and split rings</u></p>			
<p>Shear plates, tooth connectors and split rings shall be in accordance with BSS 1759 : 1960 and installed in accordance with the CSIR Publication HOUT 468, "The Design, Manufacturing and Erection of Timber Trusses"</p>			
<p><u>Washers</u></p>			
<p>Square or round washers of the following dimensions shall be used with all bolts:</p>			
<p>1 Bolts up to 8mm diameter: Washers shall be minimum 25mm wide of minimum 2,50mm thickness</p>			
<p>Carried to Collection</p>			
<p>Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 6 Carpentry & Joinery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			R

2 Bolts up to 12mm diameter:
Washers shall be minimum 36mm wide of minimum 4,00mm thickness

3 Bolts up to 20mm diameter:
Washers shall be minimum 60mm wide of minimum 5,00mm thickness

Metal connector plates

Metal connector plates shall be fabricated out of not less than 1mm thick drawn quality galvanised steel

The steel shall have a minimum yield strength of 228MPa and a minimum ultimate tensile strength of 330MPa. The corrosion resisting coating shall be not less than 275g/m2 commercial class hot dipped galvanising as per SABS 934 before stamping

All connector plates shall have been tested by the CSIR and be of a size capable of transmitting the forces between members of a truss without exceeding the design values published in the CSIR report

Truss construction

Trusses shall be constructed in jigs specially designed to ensure the correct profile, overhangs and cambers

Where metal connector plates are used all joints are to be close fitted butt joints made by precision pressing of the metal connector plates into each side of the joint

Truss design

All trusses shall be designed by a registered Professional Engineer in accordance with SABS 0163 ("Design of Timber Structures") and Code 0160 ("Loadings")

Truss spacing

The truss centres shall be less than or equal to that as described in this bill for each respective truss

Carried to Collection

Section No. 5
ENVIROLOO TOILET SYSTEM X 4
Bill No. 6
Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Truss pitch

The truss pitch shall be as described in this bill for each respective truss type

Truss loading

Trusses shall be designed for a live load of 0,50kN/m² and dead load as specified under the sub-heading "Specific load specifications for roof trusses"

Shop drawings, design and erection guarantee certificates

It will be expected from the Contractor to timeously prepare, submit and obtain the necessary approvals from the Representative/Agent in respect of the required shop drawings, design and erection guarantee certificates as specified

Dimensions

All dimensions given in the descriptions of the trusses are nominal and actual measurements are to be obtained by actual measurements taken on the site before design or fabrication commences

Erection

All trusses are to be hoisted and erected strictly in accordance with the procedures and recommendations of the manual "The Erection and Bracing of Timber roof Trusses" as published by the Institute for Timber Construction and the CSIR, or the SABS Code of Practice "The Design, Manufacture and Erection of Timber Roof Trusses", or as designed and detailed by the designer

Design system

The design system as documented in this bill is based on the "MiTek" system and all references given in the descriptions are related to specific type of trusses based on this design system

However, Contractors are to note that any design system of similar quality may be used subject to the prior written approval of the Representative/Agent

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Specific specifications for roof trusses

Unless otherwise described, the following specifications will apply:

- 1 All trusses to be with a 20° pitch
- 2 The dead load consists of 0,5mm "Klip-Lok Light Industrial" galvanised troughed sheet steel roof covering with "Chromadek" finish, purlins at approximately 1200mm centres, 6mm fibre-cement nailed-up ceilings and 50mm glass fibre insulation blanket laid on top of ceilings

Rates

Tendered rates to include for the complete roof construction, including the design of the roof construction, all timber of required grade and type shown on the design, all cutting and waste, cutting to the exact lengths and end angles to manufacture the respective truss type, supply of all connector plates, fabrication of trusses, checking the completed truss for quality, loading up, transporting to the site of the works and off loading, storing under cover and protecting from the weather, hoisting up in position and erection of the roof truss structure, necessary supervision, submission of all shop drawings, design and erection guarantee certificates, etc. as specified

ROOFS ETC

Allow for the preparation and submission of the following documents in respect of all buildings:

- | | | |
|---|--|------|
| 1 | Detailed shop drawings indicating truss sizes, truss positions, bracings, details, etc. to be submitted for approval prior the commencement of any fabrication | Item |
| 2 | Design certificate indicating the licensed programme used, SABS specifications adhered to, general procedures and loadings adopted, sizes and grading of timber components, details, etc. | Item |
| 3 | Erection guarantee certificate after the whole completed roof truss structure have been inspected, all defective work have been taken out and made good, etc. to the full satisfaction of the Representative/Agent | Item |

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

ROOF TRUSSES

The following in prefabricated timber roof construction should be of treated timber:

4	Roof construction to double pitched roof system including trusses, hipped ends, jack rafters, purlins, permanent bracing, etc. (measured flat)	m2	104
---	--	----	-----

(End of roof construction timber)

ROOF TIMBERS SUNDRIES:

5	38 x 150mm Wall plate	m	72
6	76 x 50mm Beamfill close rail	m	72

Sundries:

7	Two coats creosote on sawn timbers	m2	85
---	------------------------------------	----	----

EAVES, VERGES, ETC

"Everite FC77" pressed fibre-cement:

8	15 x 250mm Fascias and barge boards including galvanised steel H-profile jointing strips	m	80
---	--	---	----

DOORS, ETC

Approved solid core flush doors with hardwood edges and 3,2mm standard hardboard covering on both sides hung to steel frames:

9	40mm Door, size 813 x 2032mm high	No	13
10	40mm Door, size 914 x 2032mm high	No	2

Approved solid hardwood door with masonite facings hung to steel frames:

11	40mm Door, size 914 x 2032mm high	No	5
----	-----------------------------------	----	---

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 6
 Carpentry & Joinery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 6

Carpentry & Joinery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

201

202

203

204

205

Carried Forward to Summary of Section No. 5

R

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 6

Carpentry & Joinery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 7</u>	Quantity	Rate	Amount
	<u>CEILINGS, ETC.</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions:</u>			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as bolted the bolts have been given.			
	<u>INSULATIONS, ETC.</u>			
	<u>50mm Insulation blanket closely fitted and laid on top of branderling between roof timbers including lapping, cutting etc:</u>			
1	Insulation blanket	m2	103	
	<u>NAILED UP CEILINGS, ETC.</u>			
	<u>Sawn softwood:</u>			
2	38 x 114mm Ceiling joists	m	46	
3	38 x 38mm Ceiling joists	m	95	
	Carried to Collection			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 7 Ceilings, Etc. INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

6,4mm Thick "Cladit" fibre cement ceiling boards
120mm wide with and including H type pressed steel
jointing strips and 38 x 38mm sawn softwood branderings
at 400mm centres in one direction and around edges
where required for fixing cornices, securely spiked to
roof timbers:

4	Horizontal ceiling nailed including 38 x 50mm branderings	m2	103
5	Extra over ceiling for 600 x 600mm hinged pressed metal trap door including all necessary ironmongery	No	4
<u>WROUGHT MERANTI:</u>			
6	19 x 76mm Cornices nailed	m	60

Carried to Collection

R

Section No. 5
ENVIROLOO TOILET SYSTEM X 4
Bill No. 7
Ceilings, Etc.
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 7

Ceilings, Etc.

COLLECTION

Total Brought Forward from Page No.

**Page
No**

207

208

Amount

Carried Forward to Summary of Section No. 5

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 7

Ceilings, Etc.

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 8</u>	Quantity	Rate	Amount
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Finishes to ironmongery</u>			
	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			
	<u>CATCHES, CABIN HOOKS, ETC</u>			
1	200mm Solid brass cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged	No	7	
	<u>LOCKS</u>			
2	"Dorma DMWC-SS-008" Bathroom/wc deadlock stainless steel forend with and including Dorma DWC-006 stainless WC indicator with turn knob	No	13	
3	"Yale Y130/70/116/1" 70mm discuss padlock	No	5	
	Carried to Collection			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 8 Ironmongery INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

HANGLES, ETC

4	"Dorma D034S" mortice type multi lever sash lock including two "Dorma CB30" lever handles on rectangular keyhole backplate	No	7
5	"Dorma DPH301C" stainless steel D shaped straight back to back pull handle	No	20

SUNDRIES

6	38mm Diameter door stop plugged	No	20
7	"Dorma DSS130" 150 x 150mm stainless steel Male sign	No	3
8	"Dorma DSS130" 150 x 150mm stainless steel Female sign	No	3
9	"Kimberly Clark SQ2" code 4055607 white lockable toilet roll dispenser plugged.	No	15

LETTERS, NAME PLATES, ETC

Approved 150 x 150 x 3mm thick PVC standard safety signage:

10	Fire extinguisher sign plugged	No	4
11	"Arrow" sign plugged	No	4

FITTINGS, ETC.

"Chairman Industries"

12	32mm Type DL2 side grab rail plugged	No	2
13	32mm Type SR2 rear grab rail plugged	No	2

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 8
 Ironmongery
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 8

Ironmongery

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

210

211

Carried Forward to Summary of Section No. 5

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 8

Ironmongery

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	Quantity	Rate	Amount
<u>BILL NO. 9</u>			
<u>METALWORK</u>			
<u>PREAMBLES</u>			
For preambles see "Specifications of materials and methods to be used - PW371"			
<u>SUPPLEMENTARY PREAMBLES</u>			
All steel is to receive one coat metal primer before leaving the works of the Manufacturer			
<u>STEEL GATES, SCREENS, ETC.</u>			
<u>Standard "NTY" or similar approved purpose made 1.2mm thick double rebated door frames suitable for half brick walls:</u>			
1	No	7	
"NTY 914 Combo" combination door frame with security gate (both opening out), consisting of pressed steel frame for door 914 x 2032mm high fitted with three parliament hinges with and including single security gate and frame, 914 x 2032mm high overall of 25 x 25 x 2mm hollow section framed surround mitred and welded at angles two 25 x 25 x 2mm hollow section horizontal middle rails, gate filled in with 12 x 12mm square solid section vertical bars at 100mm centres and fitted with locking bolt suitable for padlock frame formed of 15 x 15 x 2mm tubular section stiles and top rail mitred and weled at angles and fitted with three hinges welded to gate and frame, frame factory welded at maximum 250mm centres to door frame			
<u>PRESSED STEEL DOOR FRAMES</u>			
Unless otherwise described, door frames are to be suitable for 40mm to 44mm thick doors.			
Ironmongery, etc. The contractor is referred to the "Ironmongery" for ironmongery fixed to steel linings and no claims whatsoever in connection with the fittings of ironmongery to steel linings will be entertained.			
Carried to Collection			R
Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 9 Metalwork			
INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

	<p><u>1,2mm Double rebated frames suitable for half brick walls:</u></p>			
2	<p>Frame for door 813 x 2032mm high</p>	No	13	
	<p><u>STEEL WINDOW, DOORS, ETC.</u></p>			
	<p><u>Standard residential windows with solid brass furniture and 12 x 12mm solid horizontal burglar bars at 150mm centres to all sashes:</u></p>			
3	<p>Window type NC1, 533 x 949mm high</p>	No	18	
	<p style="text-align: center;">Carried to Collection</p> <p>Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 9 Metalwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>			<p style="text-align: center;">R</p>

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 9

Metalwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

213

214

Amount

Carried Forward to Summary of Section No. 5

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 9

Metalwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 10</u>	Quantity	Rate	Amount
	<u>PLASTERING</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specifications of materials and methods to be used - PW371"			
	<u>CEMENT SCREEDS TO CONCRETE</u>			
	<u>Screeds steel trowelled on concrete:</u>			
1	30mm Thick on floors	m2	103	
	Carried Forward to Summary of Section No. 5			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 10 Plastering INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 12</u></p>			
<p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p>			
<p><u>PREAMBLES</u></p>			
<p>For preambles see "Specification of materials and methods to be used - PW 371"</p>			
<p><u>SUPPLEMENTARY PREAMBLES</u></p>			
<p><u>uPVC pipes and fittings</u></p>			
<p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p>			
<p><u>uPVC pressure pipes and fittings</u></p>			
<p>Pipes for water supply shall be of the class stated</p>			
<p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p>			
<p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</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>Carried to Collection</p>			
<p>Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 11 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)</p>		R	

Fixing of pipes

Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level

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

Wire gratings

Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings

Flush pans

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

Stainless steelbasins, sinks, wash troughs, urinals, etc.

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

Waste unions

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

SANITARY FITTINGS

1 Double bowl precast concrete wash trough, size 1030 x 650 x 335mm fitted to wall with and including concrete pedestal (total height to be 900mm including pedestal), waste union, trap and 2 x 19mm chrome plated push button taps

No

4

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 11
 Plumbing and Drainage (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

2	White vitreous china wash hand basin bolted to wall including waste union, trap and necessary pipework	No	2		
3	Elbow action taps	No	2		
4	331 4ST-15 Stella square pattern pillartap	No	8		
<u>WATER SUPPLIES</u>					
<u>Poly pipes</u>					
5	15mm Pipes	m	20		
6	22mm Pipes	m	30		
<u>Extra over poly pipes for fittings</u>					
7	15mm Fittings	No	8		
8	22mm Fittings	No	8		
<u>TESTING</u>					
9	Testing water pipe system			Item	
<u>INSTALLATION OF THE "ENVIRO-LOO TOILET SYSTEM"</u>					
10	Supply and install complete standard enviroo-loo toilet system type 1040 industrial standard CER/ABS-V1 (code FG-1040 STDCA/A)	No	12		
11	Supply and install complete standard enviroo-loo toilet system type 1040 (code FG-1040 JNRCA/A)	No	3		
12	Supply and install complete standard enviroo-loo urinal system with 4 pan type FG- 862B	No	1		
13	Supply and install complete standard enviroo-loo urinal system with 1 pan type FG- 862B	No	1		
Carried to Collection					
Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 11 Plumbing and Drainage (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)					R

INSPECTION BY ENVIROO-LOO / SUPPLIER

14 Allow for two site visits to be made by the "enviroo loo" suppliers to assist/support the contractor in the installation of the "enviro loo" and a final inspection to ascertain the enviro loo has been installed correctly at which time a Certificate of Compliance should be issued between end-user department and enviroo loo supplier

Item

15 Profit and attendance for the above

Item

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 11
 Plumbing and Drainage (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 11

Plumbing and Drainage (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

217

218

219

220

Carried Forward to Summary of Section No. 5

R

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 11

Plumbing and Drainage (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>BILL NO. 14</u>	Quantity	Rate	Amount
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Where described as "prepare, etc, as specified", the full specification for all painting application, primers, undercoats, preparation, etc. are to be strictly in accordance with the relevant Manufacturers' Specification and prices must allow therefor			
	<u>PAINT ON NEW WORKS</u>			
	<u>ON ASBESTOS CEMENT, ETC.</u>			
	<u>Prepare and apply one coat universal undercoat and two full coats internal quality super acrylic PVA paint on:</u>			
1	Ceilings	m2	103	
	<u>Prepare and apply one universal undercoat and two coats gloss enamel paint:</u>			
2	Fascias and barge boards	m2	19	
	<u>ON METAL</u>			
	<u>Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint:</u>			
3	Pressed steel door frames	m2	24	
4	On windows with burglar bars	m2	28	
5	On gates, grilles, buglar screens, balustrades, etc (both sides measured over the full flat area)	m2	24	
	Carried to Collection			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 13 Paintwork INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

ON WOOD

One coat 'Dulux 196-0763' undercoat and two coats 'Dulux 236-0734 Silthane' gloss enamel paint:

6	General surfaces of doors	m2	65
---	---------------------------	----	----

Three coats polyurethane suede varnish:

7	General surfaces of doors	m2	65
---	---------------------------	----	----

Carried to Collection

R

Section No. 5
 ENVIROLOO TOILET SYSTEM X 4
 Bill No. 13
 Paintwork
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 13

Paintwork

COLLECTION

Total Brought Forward from Page No.

**Page
No**

223

224

Amount

Carried Forward to Summary of Section No. 5

Section No. 5

ENVIROLOO TOILET SYSTEM X 4

Bill No. 13

Paintwork

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

R

Item No	<u>BILL NO. 15</u>	Quantity	Rate	Amount
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see "Specification of materials and methods to be used - PW 371"			
	<u>THE FOLLOWING TO APRONS</u>			
1	Excavate in earth to reduce ground levels	m3	11	
2	Rip and scarify ground level	m2	78	
3	Cart away surplus material from excavations to a dumping site to be located by the contractor	m3	11	
4	Compaction of ground surface under aprons, etc including adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	78	
5	Weed killer	m2	78	
6	25MPa Concrete to aprons cast in panels	m3	11	
7	Extra over concrete for thickening size 300mm deep	m	78	
8	Finishing top surfaces of concrete with a wooden float	m2	78	
9	10mm Expansion joint with bitumen impregnated between vertical concrete and brickwork surfaces	m	39	
	Carried Forward to Summary of Section No. 5			R
	Section No. 5 ENVIROLOO TOILET SYSTEM X 4 Bill No. 14 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	<u>BILL NO. 1</u>	Quantity	Rate	Amount
	<u>EXTERNAL WORKS (PROVISIONAL)</u>			
	<u>PREAMBLES</u>			
	For preambles see " Construction Works: Specification; General specification (PW371-A) Edition 2.0"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Testing of material and filling</u>			
	Descriptions of earth filling, compaction, etc shall be deemed to include for all necessary testing required in accordance with the SABS 1200 series			
	<u>Precast concrete block road surfacing</u>			
	Paving shall be laid in accordance with SABS 1200 MJ, SANS 1058 and the Concrete Masonry Association's specifications			
	Paving shall be laid to herringbone pattern on 20mm thick (thickness after final compaction) clean river sand (preparation of ground or filling elsewhere)			
	Clean sand shall be swept into joints between roadstones at completion			
	<u>SITE CLEARANCE</u>			
1	Clear and grub area within site, including removal of rubbish, debris, vegetation, hedges, shrubs, bush and trees, etc. not exceeding 1000mm girth transporting and disposing to designated dumping site to be located by contractor.	ha	3.00	
	<u>SOIL AND WASTE DRAINAGE</u>			
	<u>Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for all soil and waste pipes (500mm wide varies depths):</u>			
2	1.0m to 1.5m	m	60	
	Carried to Collection			R
	Section No. 6 CIVIL WORKS Bill No. 1 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

3	1.5m to 2.0m	m	40		
	<u>Extra over excavation in:</u>				
4	Intermediate material	m3	20		
5	Hard rock material	m3	4		
	<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	60		
8	Sides of trench and hole excavations exceeding 1,5m deep	m2	40		
	<u>Keeping excavations free of water:</u>				
9	Keeping excavations free of all water other than subterranean water			Item	
	<u>Bedding and fill blanket material imported from a commercial source:</u>				
10	Selected granular material	m3	10		
11	Selected fill material	m3	10		
	<u>Supply, handle, lay, joint and test sewer pipes complete uPVC heavy duty underground sewer pipes:</u>				
12	110mm 100kPa Class 51 SANS 791/2002 sewer pipe	m	100		
13	160mm 100kPa Class 51 SANS 791/2002 sewer pipe	m	200		
	<u>Extra over for 160mm special and fittings for underground sewer and drain system:</u>				
14	Free flow socket with rubber ring	No	2		
15	ABC Rodding eye	No	4		
	Carried to Collection				
				R	
	Section No. 6 CIVIL WORKS Bill No. 1 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)				

COMPLETION OF MAKELLE PRIMARY SCHOOL

16	IE Bend 45degrees	No	2		
17	IE Bend 90degrees	No	2		
18	IE Junction	No	2		
19	160 x 110mm Reducer	No	1		
20	Lateral junction	No	1		
	<u>1000mm Diameter precast concrete circular inspection chambers complete with step irons, benching, etc.:</u>				
21	2.0m deep to 3.0m deep	No	7		
	<u>Gratings, covers, etc.:</u>				
22	550mm Diameter Type 2A heavy duty cast iron manhole cover and frame	No	7		
	<u>Testing:</u>				
23	Testing drainage pipe system			Item	
	<u>Calcamite septic tank (or similar) with french drain:</u>				
24	Allow a budgetary amount of R50 000.00 (Fifty thousand) for the installation of prefabricated septic tank and construction of a french drain			Item	50 000.00
	<u>WATER RETICULATION</u>				
	<u>Excavate in all materials for trenches backfill, compact, and dispose of surplus/unsuitable material, for all water supply mains:</u>				
25	1000mm Deep x 500mm wide	m	100		
	<u>Extra over excavation in:</u>				
26	Intermediate material	m3	10		
27	Hard rock material	m3	15		
	Carried to Collection				
				R	
	Section No. 6 CIVIL WORKS Bill No. 1 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)				

COMPLETION OF MAKELLE PRIMARY SCHOOL

	<u>Extra over all excavations for carting away:</u>				
28	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	15		
	<u>Risk of collapse of excavations:</u>				
29	Sides of trench and hole excavations not exceeding 1,5m deep	m2	60		
	<u>Keeping excavations free of water:</u>				
30	Keeping excavations free of all water other than subterranean water		Item		
	<u>Bedding and fill blanket material imported from a commercial source:</u>				
31	Selected granular material	m3	10		
32	Selected fill material	m3	10		
	<u>Supply, handle, lay, joint, bed HDPE pressure water pipes (pressure rating 10bar):</u>				
33	25mm DN PN 10	m	200		
34	50mm DN PN 10	m	200		
	<u>Extra over HDPE pipes for fittings:</u>				
35	50 x 50mm Tee	No	2		
36	50 x 25mm Reducing T-piece	No	2		
37	25mm x 90degree elbow	No	2		
38	50mm x 90degree elbow	No	2		
39	25mm x 45degree elbow	No	2		
40	50mm x 45degree elbow	No	2		
41	25mm HDPE to Steel Adaptor	No	2		
42	50mm HDPE to Steel Adaptor	No	2		
	Carried to Collection				
	Section No. 6 CIVIL WORKS Bill No. 1 External Works (Provisional) INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)				R

COMPLETION OF MAKELLE PRIMARY SCHOOL

VALVES:

Supply in valve box plain ended Class 16 valves for use with HDPE pipes including cutting of pipes where necessary:

43	25mm Brass TYT PN 16 Isolating valve	No	2
44	50mm Brass TYT PN 16 Isolating valve	No	2
45	25mm Shut-off valve	No	1
46	50mm Shut-off valve	No	1
47	25mm Non-return valve	No	1
48	50mm Non-return valve	No	1

WATER TANK AND STAND:

Allow a Prime Cost Amount of R25 000.00 (Twenty five thousand Rands) for supplying, assembling and positioning mild steel water tank stand complete:

49	4500mm High mild steel water tank stand, including any necessary excavations, concrete bases, holding down bolts, etc. placed in position	No	2
50	10000 Litres JoJo or similar approved water tank on steel stand	No	2

BOREHOLE EQUIPPING AND DEVELOPMENT:

51	Allow a budget amount of R75 000.00 (Seventy five thousand Rands) for the equipping, testing and connecting of the existing borehole			SUM
----	--	--	--	-----

Testing:

52	Allow for disinfecting water supply pipes		Item
53	Allow for pressure testing water supply pipes		Item

Carried to Collection

R

Section No. 6
 CIVIL WORKS
 Bill No. 1
 External Works (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

PERIMETER FENCING AND GATES:

Steel palisade fencing of 3000 x 1800mm high panels above natural ground level made of 76 x 76 x 2mm square tube post 2400mm high with closing pyramid caps on top embedded in 450 x 450 x 600mm deep concrete base of 20Mpa concrete strength, 40 x 40 x 2mm angle iron crossbar placed 300mm from top of paling and 300mm from bottom of paling welded flush with the back of the post, 30 x 30 x 2mm steel angle iron paling 1800mm high inserted and firmly welded to the bearers at 133mm centres (21 palings per panel) top of paling to provide a "devil fork" effect and bottom must have a "dove tail" effect:

54	Allow for digging up and removing of all rubble and vegetation from the site for an adequate width for the erection of palisade fencing and level ground roughly	m	700	
55	Steel palisade fencing	m	700	
56	Pedestrian gate 1000 x 1800mm high to match palisade fencing including all necessary locking mechanisms	No	1	
57	Sliding gate and frame, overall size 5000mm x 1800mm complete with 40 x 40 x 2mm posts in 450 x 450 x 600mm deep concrete footings, erected complete to match palisade fencing	No	1	
	<u>Clean surface and allow to dry complete, remove all flux, rust, grease and loose material and make all joints smooth and apply one coat primer for steel and apply one coat universal undercoat and one coat approved traffic green gloss enamel paint (no brush painting will be allowed only spray painting)</u>			
58	On palisade fencing, gates, etc (both sides measured over the full flat area)	m2	1 260	
	<u>ACCESS BRIDGE</u>			
59	Allow a budgetary amount of R200 000.00 (Two hundred thousand) for the construction of low level access bridge		Item	200 000.00

Carried to Collection

R

Section No. 6
 CIVIL WORKS
 Bill No. 1
 External Works (Provisional)
INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 6

CIVIL WORKS

Bill No. 1

External Works (Provisional)

COLLECTION

Total Brought Forward from Page No.

**Page
No**

Amount

228

229

230

231

232

233

Carried to Final Summary

R

Section No. 6

CIVIL WORKS

Bill No. 1

External Works (Provisional)

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Item No	<u>ELECTRICAL WORKS</u>	Quantity	Rate	Amount
1	SEE ATTACHED SCHEDULE		SUM	
	Carried to Final Summary		R	
	Section No. 7 ELECTRICAL RETICULATION Bill No. 1 MV and LV reticulation INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

Item No	<u>MECHANICAL WORKS</u>	Quantity	Rate	Amount
1	SEE ATTACHED SCHEDULE		SUM	
	Carried to Final Summary		R	
	Section No. 8 MECHANICAL WORKS Bill No. 1 Mechanical Works INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

COMPLETION OF MAKELLE PRIMARY SCHOOL

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>CASH DISCOUNT</u>			
	No cash discount. All provisional sums are Nett.			
	The Contractor is to note the following:			
	The Client reserves the right to omit any or all of the provisional sums allowed for in this tender without claim for loss of profit by the contractor.			
	<u>SIGNAGE AND FLAG POLE</u>			
1	Provide the amount of R35 000.00 (Thirty Five Thousand Rands) for signage and flag pole	Item		35 000.00
2	Allow for profit on if needed	Item		
3	Allow for general attendance, etc.	Item		
	<u>ADMINISTRATION BLOCK FURNITURE</u>			
4	Provide the amount of R190 000 (One Hundred and Ninety Thousand Rands) for administration block furniture	Item		190 000.00
5	Allow for profit on if needed	Item		
6	Allow for general attendance, etc	Item		
	<u>CLASSROOM DESKS</u>			
7	Provide the amount of R245 000.00 (Two Hundred and Forty Five Thousand Rands) for classroom desks	Item		245 000.00
8	Allow for profit on if needed	Item		
9	Allow for general attendance, etc.	Item		
	Carried to Collection			
	Section No. 9 PROVISIONAL SUMS Bill No. 1 Provisional Sums		R	
	INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)			

GRADE R CHAIRS AND TOYS

10	Provide the amount of R200 000.00 (Two Hundred Thousand Rands) for Grade R facilities	Item	200 000.00
11	Allow for profit on if needed	Item	
12	Allow for general attendance, etc.	Item	

BUDGETARY ALLOWANCE

COMMUNITY LIAISON OFFICER

	Provide the Sum of R90 000 (Ninety Thousand Rands) for community liaison officer.	R	90 000.00
--	---	---	-----------

CIDB BUILD PROGRAMME

	Provide the Sum of R320 000.00 (Three Hundred and Twenty Thousand Rands) for CIDB Build-Programme.	R	320 000.00
--	--	---	------------

Carried to Collection

R

Section No. 9
 PROVISIONAL SUMS
 Bill No. 1
 Provisional Sums

INDEPENDENT DEVELOPMENT TRUST
BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

Section No. 9

PROVISIONAL SUMS

Bill No. 1

Provisional Sums

COLLECTION

Total Brought Forward from Page No.

**Page
No**

237

238

Amount

Carried to Final Summary

R

Section No. 9

PROVISIONAL SUMS

Bill No. 1

Provisional Sums

INDEPENDENT DEVELOPMENT TRUST

BID No. LDE/IA/B23/2019/20 (EDDP 184/122)

COMPLETION OF MAKELLE PRIMARY SCHOOL

Section No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	48	
2	FOUR CLASSROOM BLOCK X 2	88	
3	ADMINISTRATION BLOCK	137	
4	GRADE R X 2	185	
5	ENVIROLOO TOILET SYSTEM X 4	227	
6	CIVIL WORKS	234	
7	ELECTRICAL RETICULATION	235	
8	MECHANICAL WORKS	236	
9	PROVISIONAL SUMS	239	
	Sub Total		R
	<u>CONTINGENCIES</u>		
	Add: Contingencies of R500 000.00 (Five hundred thousand rands) to be used at the discretion of the Project Manager deducted in whole or part as required	Item	500 000.00
	<u>ESCALATION</u>		
	Add: Contract Price Adjustment Provision of R500 000.00 (Five hundred thousand rands)	Item	500 000.00
	Sub Total before VAT		R
	Add: Value Added Tax @ 15%		R
	Carried to Form of Tender		R
	INDEPENDENT DEVELOPMENT TRUST BID No. LDE/IA/B23/2019/20 (EDDP 184/122)		