



public works

Department:
Public Works
REPUBLIC OF SOUTH AFRICA

Private Bag X5002, Kimberley 8300
22 – 23 Market Square, Old Magistrates Building, Kimberley 8301

TENDER NO:KIM 01/2021

CLOSING DATE: 16 APRIL 2021

PROCUREMENT DOCUMENTS

**KIMBERLEY : JUSTICE : HIGH COURT INCLUDING
MASTERS OFFICE : INSTALLATION OF AIR-
CONDITIONERS**

VOLUME 2 OF 3: TENDERING PROCEDURES

MARCH 2021

ISSUED BY:
THE DIRECTOR GENERAL
DEPARTMENT OF PUBLIC WORKS
PRIVATE BAG X5002
KIMBERLEY
8300

PROJECT MANAGER:
MR G. MARTIN

NAME OF TENDERER: _____

T2.1 List of Returnable Documents



PA-09 (EC): LIST OF RETURNABLE DOCUMENTS

Project title:	<i>Kimberley:Justice:High Court including masters office:Installation of airconditioners</i>		
Tender / Quote no:	KIM 01/2021	Reference no:	19/2/4/2/2327/489
Receipt Number:			

1. RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

Tender document name	Number of pages issued	Returnable document
Form of Offer and Acceptance (DPW-07 EC)	4 Pages	Yes
Declaration of Interest and Tenderer's Past Supply Chain Management Practices (PA-11)	4 Pages	Yes
Submission of (PA-29): Certificate of Independent Bid Determination	4 Pages	Yes
Resolution of Board of Directors (PA-15.1) <i>(if applicable)</i>	1 Page	Yes
Resolution of Board of Directors to enter into Consortia or JV's (PA-15.2) <i>(if applicable)</i>	2 Pages	Yes
Special Resolution of Consortia or JV's (PA-15.3) <i>(if applicable)</i>	3 Pages	Yes
Site Inspection Meeting Certificate (DPW-16 EC) <i>(if applicable)</i>	1 Page	Yes
Particulars of Tenderer's Projects (DPW-09 EC)		
PA-36: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS	4 Pages	Yes

2. ADDITIONAL RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

Note: Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also F.2.18 of the Standard Conditions of Tender]

Tender document name	Number of pages issued	Returnable document
Any <u>additional</u> information required to complete a risk assessment <i>(if applicable)</i>	-	Yes

3. RETURNABLE DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

Note: Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also F.2.18 of the Standard Conditions of Tender]

Tender document name	Number of pages issued	Returnable document
Record of Addenda to tender documents (DPW-21 EC) <i>(if applicable)</i>	1 Page	Yes
Schedule of proposed sub-contractors (DPW-15 EC) <i>(if applicable)</i>	1 Page	Yes
Particulars of Electrical Contractor (DPW-22 EC) <i>(if applicable)</i>	1 Page	Yes



List of Returnable Documents: PA-09 (EC)

Mechanical / Electrical / Security Work material and equipment schedules (if applicable)	Pages	Yes
Schedule for Imported Materials and Equipment (DPW-23 EC) (if applicable)	1 Page	Yes

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

(Insert a tick in the "Returnable document" column to indicate which documents must be returned with the tender)

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

Tender document name	Number of pages issued	Returnable document
Priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts)	31 Pages	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
insert document name	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
insert document name	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
insert document name	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
insert document name	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No

5. ADDITIONAL INFORMATION THAT MAY BE REQUIRED FOR TENDER EVALUATION PURPOSES

Legal Status of Tendering Entity: If the Tendering Entity is:	Documentation to be submitted with the tender, or which may be required during the tender evaluation:
a. A close corporation, incorporated prior to 1 May 2011 under the Close Corporations Act, 1984 (Act 69 of 1984, as amended)	Copies of the Founding Statement – CK1
b. A profit company duly registered as a private company. [including a profit company that meets the criteria for a private company, whose Memorandum of Incorporation states that the company is a personal liability company in terms of Section 8(2)(c) of the Companies Act, 2008 (Act 71 of 2008, as amended)].	Copies of: i. Certificate of Incorporation – CM1; ii. Shareholding Certificates of all Shareholders of the company, plus a signed statement of the company's Auditor, certifying each Shareholder's ownership / shareholding percentage relative to the total; and/or iii. Memorandum of Incorporation in the case of a personal liability company.
c. A profit company duly registered as a private company in which any, or all, shares are held by one or more other close corporation(s) or company(ies) duly registered as profit or non-profit company(ies).	Copies of documents referred to in a. and/or b. above in respect of all such close corporation(s) and/or company(ies).
d. A profit company duly registered as a public company.	Copy of Certificate of Incorporation – CM1, and a signed statement of the company's Secretary or Auditor confirming that the company is a public company.



List of Returnable Documents: PA-09 (EC)

e. A non-profit company, incorporated in terms of Section 10 and Schedule 1 of the Companies Act, 2008 (Act 71 of 2008, as amended).	Copies of: i the Founding Statement – CK1; and ii the Memorandum of Incorporation setting out the object of the company, indicating the public benefit, cultural or social activity, or communal or group interest.
f. A natural person, sole proprietor or a Partnership	Copy(ies) of the Identity Document(s) of: i. such natural person/ sole proprietor, or each of the Partners to the Partnership.
g. A Trust	Deed of Trust duly indicating names of the Trustee(s) and Beneficiary (ies) as well as the purpose of the Trust and the mandate of the Trustees.

Signed by the Tenderer

Name of representative	Signature	Date

C1.1 Form of Offer and Acceptance

DPW-07 (EC): FORM OF OFFER AND ACCEPTANCE

Project title:	Kimberley:Justice:High court including masters office:Installation of airconditioners		
Tender no:	KIM 01/2021	Reference no:	19/2/4/2/2327/489

OFFER

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

Kimberley:Justice:High Court Including masters office:Installation of airconditioners

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

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

THE TOTAL OFFER INCLUSIVE OF ALL APPLICABLE TAXES (All applicable taxes" Includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies) IS :

Rand (In words):	
Rand in figures:	R

The award of the tender may be subjected to further price negotiation with the preferred tenderer(s). The negotiated and agreed price will be considered for acceptance as a firm and final offer.

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

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

Company or Close Corporation: And: Whose Registration Number is: And: Whose Income Tax Reference Number is: CSD supplier number:.....	OR	Natural Person or Partnership: Whose Identity Number(s) is/are: Whose Income Tax Reference Number is/are: CSD supplier number:.....
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AND WHO IS (if applicable):

Trading under the name and style of:
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AND WHO IS:

*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"

Page 1 of 4

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Effective date May 2017

Version 1.8

Represented herein, and who is duly authorised to do so, by: Mr/Mrs/Ms: In his/her capacity as:	Note: A Resolution / Power of Attorney, signed by all the Directors / Members / Partners of the Legal Entity must accompany this Offer, authorising the Representative to make this offer.
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Tender no: KIM 01/2021

SIGNED FOR THE TENDERER:

Name of representative	Signature	Date

WITNESSED BY:

Name of witness	Signature	Date

This Offer is in respect of: (Please indicate with an "X" in the appropriate block)

The official documents ☐ /N/A/
 The official alternative ☐
 Own alternative (only if documentation makes provision therefore) .. ☐

SECURITY OFFERED:

(a) the Tenderer accepts that in respect of contracts up to R1 million, a payment reduction** of 5% of the contract value (excluding VAT) will be applicable and will be deducted by the Employer in terms of the applicable conditions of contract

(b) in respect of contracts above R1 million, the Tenderer offers to provide security as indicated below:

- | | |
|--|---|
| (1) cash deposit of 10 % of the Contract Sum (excluding VAT) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| (2) variable construction guarantee of 10 % of the Contract Sum (excluding VAT)
DPW-10.2 EC (GCC) | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| (3) payment reduction of 10% of the value certified in the payment certificate (excluding VAT) | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| (4) cash deposit of 5% of the Contract Sum (excluding VAT) and a payment reduction of 5%
of the value certified in the payment certificate (excluding VAT) | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| (5) fixed construction guarantee of 5% of the Contract Sum (excluding VAT) and a payment
reduction of 5% of the value certified in the payment certificate (excluding VAT)
DPW-10.4 EC (GCC) | Yes <input type="checkbox"/> No <input type="checkbox"/> |

NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 35 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.

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

Other Contact Details of the Tenderer are:

Telephone No. Cellular Phone No.

*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

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Page 2 of 4

For Internal & External Use

Effective date May 2017

Version 1.8

Fax No
Postal address
Banker Branch.....
Registration No of Tenderer at Department of Labour
CIDB Registration Number:

Tender no: KIM 01/2021

ACCEPTANCE

By signing this part of this form of offer and acceptance, the Employer identified below accepts the Tenderer's offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the conditions of contract identified in the

Part 3 Scope of work.

Part 4 Site information

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

Deviations from and contract data. Acceptance of the Tenderer's offer shall form an agreement between the Employer and the Tenderer 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 1 Agreement and contract data, (which includes this agreement)

Part 2 Pricing data

amendments to the documents listed in the tender data and any addenda thereto as listed in the tender schedules as well as any changes to the terms of the offer agreed by the Tenderer 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 Tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the Employer's agent (whose details are given in the contract data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect, if delivered by hand on the day of delivery, or if delivered by courier within two working days after submission by the Employer to the courier services for a door-to-door delivery to the Tenderer, provided that the Employer notifies the Tenderer of the tracking number within 24 hours of such submission. Unless the Tenderer (now Contractor) within seven working days of the date of such submission 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.

For the Employer:

Name of signatory	Signature	Date

Name of Organisation:	Department of Public Works
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*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"

Page 3 of 4

For Internal & External Use

Effective date May 2017

Version 1.8

Address of Organisation:	
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WITNESSED BY:

Name of witness	Signature	Date

Tender no: KIM 01/2021

Schedule of Deviations

1.1.1. Subject:
Detail:
1.1.2. Subject:
Detail:
1.1.3. Subject:
Detail:
1.1.4. Subject:
Detail:
1.1.5. Subject:
Detail:
1.1.6. Subject:
Detail:

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

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

*Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

**Any reference to the words "payment reduction" herein shall be construed to have the same meaning as the word "retention"

Page 4 of 4

For Internal & External Use

Effective date May 2017

Version 1.8

C2.2 Bills of Quantities

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.

BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
1		PRELIMINARY AND GENERAL					
1.1		Fixed Charge Items					
1.1.1		Contractual requirements, establish facilities on site:					
a)		Office and storage sheds	Sum	1.00			
b)		Living accommodation	Sum	1.00			
c)		Ablution and latrine facilities	Sum	1.00			
d)		Water supplies, electric power & access	Sum	1.00			
1.1.2		Remove Contractor's site on completion	Sum	1.00			
1.1.3		Allow for project notice board	Sum	1.00			
1.1.4		Allow for co-operation and programming with other parties that may be working on site	Sum	1.00			
1.1.5		Allow for submission and revisions of Works programme	Sum	1.00			
1.1.6		Allow for the submission of instruction manuals and record drawings	Sum	1.00			
1.1.7		Allow for the required Surety of 10% of the Contract Amount	Sum	1.00			
1.1.8		Allow for compliance with all statutory requirements as specified	Sum	1.00			
1.1.9		Allow for phasing of works including works after business hours to ensure the building is safe and can be utilized during the day time.	Sum	1.00			
1.1.10		Health and Safety. The Contractor shall, as a condition of the contract, ensure that the Site of the Works and the Works at all times comply with all relevant legislation , latest COVID19 regulations regarding health and safety of employees, as well as public legitimately on the Site or in the vicinity of the Site, while preventing unauthorized access to the Site of the Works. Contractor to list all items of health and safety included in the lump sum cost and provide the Employer with the aforementioned list at tender:					
1.1.10.1		Training	Sum	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
1.1.10.2		Compliance to O.H.S. act including all site programs, inductions, preparation of Health & Safety Plan, COVID 19 protocols, etc as per OHS specifications & applicable Government Gazette.	Sum	1.00			
1.2		Time-related Items					
1.2.1		Allow for the following insurances:					
a)		Of the Works	Sum	1.00			
b)		Public liability	Sum	1.00			
c)		Plant and equipment	Sum	1.00			
d)		Common law liability	Sum	1.00			
e)		Any other insurance	Sum	1.00			
f)		Specify:					
1.2.2		Supervision and Maintenance:					
a)		Allow for supervision by accredited 3phase electrician	Sum	1.00			
b)		Allow for maintenance	Sum	1.00			
c)		OSH Plan	Sum	1.00			
1.2.3		Contractual requirements, establish facilities on site:					
a)		Vehicles	Sum	1.00			
b)		Living accommodation	Sum	1.00			
c)		Telephone and fax facilities	Sum	1.00			
1.2.4		Specify other time-related obligations not covered above.					
Total Carried Forward							

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
		Specify:<					

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.****BILL OF QUANTITIES**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
2		GROUND FLOOR : AIR CONDITIONING					
2.1		Supply, deliver and install the following single type air conditioning systems. The systems are to be inverter heat pump type complete with condenser units with coils and fans, evaporator units with coils and fans , refrigeration circuits, controllers, temperature sensors , primary filters and all necessary accessories. The systems are to be installed as indicated on drawings.					
2.1.1		AHU1, Horizontal type ,VRF HYBRID R410 packaged air handling unit , complete with heat pump condenser ODUAHU1 as per specification and necessary accessories. a)Cooling/Heating capacity: 178.37/174.27kW b)Flow rate indoor unit : 3502.59 l/s c)Air Handling Unit make shall be - HC Heat-Exchangers d)Air Handling Unit shall be "KIT TYPE" that can be assembled inside plant room. e)Condensers shall be similar or equal and approved to (MAKE- LG or Daikan).					
a)		Supply including delivery	No	1.00			
b)		Install of air handling unit & condenser complete including rigging into place and assembling of air handling unit in plant room.	No	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
2.1.2		AHU2, Horizontal type ,VRF HYBRID R410 packaged air handling unit , complete with heat pump condenser ODUAHU2 as per specification and necessary accessories. a)Cooling/Heating capacity: 188.28/184.18kW b)Flow rate indoor unit : 6852.10 l/s c)Air Handling Unit make shall be - HC Heat-Exchangers d)Air Handling Unit shall be "KIT TYPE" that can be assembled inside plant room. e)Condensers shall be similar or equal and approved to (MAKE- LG or Daikan).					
a)		Supply including delivery	No	1.00			
b)		Install of air handling unit & condenser complete including rigging into place and assembling of air handling unit in plant room.	No	1.00			
2.1.3		AHU3, Horizontal type ,VRF HYBRID R410 packaged air handling unit , complete with heat pump condenser ODUAHU3 as per specification and necessary accessories. a)Cooling/Heating capacity: 178.76/174.66kW b)Flow rate indoor unit : 4146.89 l/s c)Air Handling Unit make shall be - HC Heat-Exchangers d)Air Handling Unit shall be "KIT TYPE" that can be assembled inside plant room. e)Condensers shall be similar or equal and approved to (MAKE- LG or Daikan).					
a)		Supply including delivery	No	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
b)		Install of air handling unit & condenser complete including rigging into place and assembling of air handling unit in plant room.	No	1.00			
2.1.4		AHU4, Horizontal type, VRF HYBRID R410 packaged air handling unit, complete with heat pump condenser ODUAHU4 as per specification and necessary accessories. a)Cooling/Heating capacity: 215.93/211.83kW b)Flow rate indoor unit : 6852.10 l/s c)Air Handling Unit make shall be - HC Heat-Exchangers d)Air Handling Unit shall be "KIT TYPE" that can be assembled inside plant room. e)Condensers shall be similar or equal and approved to (MAKE- LG or Daikan).					
a)		Supply including delivery	No	1.00			
b)		Install of air handling unit & condenser complete including rigging into place and assembling of air handling unit in plant room.	No	1.00			
2.2		Supply and install seamless high pressure refrigeration grade copper pipework complete with fittings, y-branches refrigerant formed joints and headers, tees, fixings, supports and insulation all in pipe tray for the air conditioning systems as per manufactures recommendation.					
a)		AHU1 - ODUAH1	Sum	1.00			
b)		AHU2 - ODUAH2	Sum	1.00			
c)		AHU3 - ODUAH3	Sum	1.00			
d)		AHU4 - ODUAH4	Sum	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
2.3		Supply and install galvanized condensate drain pipework as scheduled and specified complete with 100mm deep P-trap all necessary hangers, supports, fixings and fittings. Outside diameter to be as follows:					
a)		ND 32	m	20.00			
b)		ND 50	m	80.00			
2.4		Supply and install control cabling between condensing units and air handling units					
a)		AHU1 - ODUAH1	Sum	1.00			
b)		AHU2 - ODUAH2	Sum	1.00			
c)		AHU3 - ODUAH3	Sum	1.00			
d)		AHU4 - ODUAH4	Sum	1.00			
e)		Supply and install temperature sensors in building	No	20.00			
f)		Supply and install wiring for temperature sensor installations	m	1,500.00			
2.5		Supply and install external digital AHU controller with temperature display, temperature set point, fan speeds, heat/cool mode and ON/OFF functions.	No	4.00			
2.6		Electrical Installations					
		<u>The Supply and installation of LV Distribution Boards complete with equipment, busbars and switchgear as specified:</u>					
Total Carried Forward							

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.****BILL OF QUANTITIES**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
2.6.1		New - DB AHU1&2 DB shall be conforming to the following specification and be fitted the equipment: a)Surface mounted,1.6mm thick steel ,epoxy powder coated. b.IP65 rated (Dust and Water proof) c.2 x Doors , handles , catches & locks d.Removable front panels e.1 x 250A,3Phase,25KA Circuit Breaker f.2 x 20A,3Phase,10KA Circuit Breaker g.8 x 30A,3Phase,10KA Circuit Breaker h.2 x 20A,1Phase,6KA Circuit Breaker h. Busbar rating 600A i. 40% spare space					
a)		Strip and remove existing distribution board and safe making of circuits in plant room.	Sum	1.00			
b)		Supply new DB	Sum	1.00			
c)		Install new DB	Sum	1.00			
2.6.2		New - DB AHU3 DB shall be conforming to the following specification and be fitted the equipment: a)Surface mounted,1.6mm thick steel ,epoxy powder coated. b.IP65 rated (Dust and Water proof) c.2 x Doors , handles , catches & locks d.Removable front panels e.1 x 150A,3Phase,25KA Circuit Breaker f.1 x 20A,3Phase,10KA Circuit Breaker g.4 x 30A,3Phase,10KA Circuit Breaker h.1 x 20A,1Phase,6KA Circuit Breaker h. Busbar rating 600A i. 40% spare space					
a)		Strip and remove existing distribution board and safe making of circuits in plant room.	Sum	1.00			
b)		Supply new DB	Sum	1.00			
c)		Install new DB	Sum	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
2.6.3		New - DB AHU4 DB shall be conforming to the following specification and be fitted the equipment: a)Surface mounted,1.6mm thick steel ,epoxy powder coated. b.IP65 rated (Dust and Water proof) c.2 x Doors , handles , catches & locks d.Removable front panels e.1 x 150A,3Phase,25KA Circuit Breaker f.1 x 30A,3Phase,10KA Circuit Breaker g.4 x 40A,3Phase,10KA Circuit Breaker h.1 x 20A,1Phase,6KA Circuit Breaker h. Busbar rating 600A i. 40% spare space					
a)		Strip and remove existing distribution board and safe making of circuits in plant room.	Sum	1.00			
b)		Supply new DB	Sum	1.00			
c)		Install new DB	Sum	1.00			
2.7		Low Voltage Supply : DB AHU1&2					
		Supply and Installation of 600/1000V PVC SWA cables on cable racks.					
2.7.1		35mm ² x 4 Core					
a)		Supply	m	100.00			
b)		Install	m	100.00			
2.7.2		6mm ² x 4 Core					
a)		Supply	m	1,050.00			
b)		Install	m	1,050.00			
		Making off ends of 600/1000V PVC SWA cables onto switchgear and busbars, including all necessary cable end material, glands and cable clamps complete.					
2.7.3		35mm ² x 4					
a)		Supply	No	4.00			
b)		Install	No	4.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
2.7.4		6mm ² x 4					
a)		Supply	No	32.00			
b)		Install	No	32.00			
		The supply and installation of bare copper, stranded earth conductor on cable-racks complete.					
2.7.5		6mm ²					
a)		Supply	m	1,050.00			
b)		Install	m	1,050.00			
2.7.6		Supply and install 30A rotary IP 65 isolators .	No	20.00			
2.7.7		Marking/labeling of individual switch socket outlets and switches complete.	Sum	1.00			
2.7.8		Marking/labeling of individual main supply cables complete as per drawings.	Sum	1.00			
2.7.9		Testing , commissioning and issuing COC's for all Distribution(New & Existing) boards complete.	No	4.00			
2.8		LOW PRESSURE GALVANISED DUCTWORK					
		Supply and install Galvanized Sheet Metal Ducting complete , all necessary hangers, brackets and accessories for connection on existing duct networks.					
2.8.1		Category 1Duct Work: Longest side not exceeding 750mm, sum of two adjacent sides not exceeding 1150mm Thickness: 0.6mm.	m ²	200.00			
		Extra over low pressure galvanized ductwork for fittings, reducers, radius bends, square bends, transformations, spigots, branches, tees and square to rounds					
2.8.2		Category one fittings	No	16.00			
2.8.3		Supply and install flexible duct break to prevent transmission of vibration from unit to connected ducting.					
a)		Size: 2000x1150mm (W x H)	No	4.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
b)		Size: 1250x1350mm (W x H)	No	4.00			
2.9		Supply and install 450mm wide galvanized pipe trays with cover lid for refrigeration piping with accessories as specified.	m	120.00			
2.10		Supply and install 150mm wide galvanized cable trays with cover lid with accessories as specified.	m	120.00			
2.11		Flushing and pressure testing of refrigeration piping systems	Sum	1.00			
2.12		Equipment labeling as per SABS	Sum				
2.13		Testing, commissioning and balancing of airflow of ducted HVAC systems.	Sum	1.00			
2.14		Allow prime cost amount for the Supply and install sound attenuator complete with mounting brackets and fan connections.	Sum	1.0000	65,000.00		
2.15		Allow prime cost amount for the Supply and install steel mounting frames for condensing units	Sum	1.00	80,000.00		
2.16		Service and repair of existing fire dampers.	No	15.00			
2.17		Allow prime cost amount for the integration with existing fire detection system	Sum	1.00	78,000.00		
2.18		Allow profit on item 2.14 , 2.15 & 2.17	%				
Total Carried Forward To Summary							

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.****BILL OF QUANTITIES**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
3		First Floor Individual Rooms: VRV Heat Recovery Systems					
3.1		ODU1 : VRV Heat Recovery Systems					
3.1.1		Supply and install VRV Heat Recovery indoor mid wall units, including all fixings as per Engineering & LATS layout. Cooling/ Heating Capacity - 7.1/8.0kW	No	3.00			
3.1.2		Supply and install VRV Heat Recovery indoor mid wall units, including all fixings as per Engineering & LATS layout. Cooling/ Heating Capacity - 5.6/6.3kW	No	8.00			
3.1.3		Supply and install HR-Boxes for VRV Heat Recovery system as per system tree diagram 1.	Sum	1.00			
3.1.4		Supply and install Y Branch -Boxes for the VRV Heat Recovery system as per system tree diagram 1.	Sum	1.00			
3.1.5		Supply and install VRV Heat Recovery DC inverter R410 outdoor unit, including all fixings as per Engineering drawing & system tree diagram 1. Cooling/ Heating Capacity - 74.4/59.6kW	No	1.00			
3.1.6		Supply and install seamless high pressure refrigeration grade copper pipework complete with fittings, refrigerant formed joints and headers, tees, fixings, supports and insulation all in cable tray for the following external diameter (OD) sizes. <u>NB- Pipe work is re-measurable</u>					
a)		6.35 mm	m	75.00			
b)		9.52 mm	m	54.00			
c)		12.70 mm	m	98.00			
d)		15.88 mm	m	55.00			
e)		19.05 mm	m	55.00			
f)		22.2 mm	m	65.00			
g)		28.58 mm	m	75.00			
h)		34.90 mm	m	75.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
3.1.7		Supply and install solvent welded uPVC condensate drain pipework as scheduled and specified complete with 100mm deep P-trap all necessary hangers, supports, fixings and fittings. Outside diameter to be as follows:					
a)		ND 50	m	50.00			
b)		ND 20	m	110.00			
3.1.8		Supply and install 450mm wide pipe tray to mount refrigeration piping in existing ceiling void.	m	50.00			
3.1.9		Supply and install 150mm wide pipe tray to mount refrigeration piping existing ceiling void.	m	50.00			
3.1.10		Supply and Install all Electrical Work ,Controls and interconnecting wiring as per system schematic diagram1. <u>NB- Isolator power points for the indoor & outdoor units not required.</u>	Sum	1.00			
3.1.11		Installation, testing and commissioning	Sum	1.00			
3.1.12		Compilation of LATS system report , shop drawings and schematic diagrams for the system for approval before construction.	Sum	1.00			
3.1.13		Flushing and pressure testing of refrigeration piping	Sum	20.00			
3.1.14		Equipment labelling as per SABS	Sum				
3.1.15		Commissioning and issuing of COC	Sum	1.00			
3.1.16		Any Additional Items that the Tenderer deems necessary for the successful and total completion of the work required for the VRV System 1 system installation. Specify: 					
Total Carried Forward							

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.****BILL OF QUANTITIES**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
3.2		ODU2 : VRV Heat Recovery Systems					
3.2.1		Supply and install VRV Heat Recovery indoor mid wall units, including all fixings as per Engineering & LATS layout. Cooling/ Heating Capacity - 7.1/8.0kW	No	6.00			
3.2.2		Supply and install VRV Heat Recovery indoor mid wall units, including all fixings as per Engineering & LATS layout. Cooling/ Heating Capacity - 5.6/6.3kW	No	3.00			
3.2.3		Supply and install HR-Boxes for VRV Heat Recovery system as per system tree diagram 2.	Sum	1.00			
3.2.4		Supply and install Y Branch -Boxes for the VRV Heat Recovery system as per system tree diagram 2.	Sum	1.00			
3.2.5		Supply and install VRV Heat Recovery DC inverter R410 outdoor unit, including all fixings as per Engineering drawing & system tree diagram 2. Cooling/ Heating Capacity - 66.9.4/57.81kW	No	1.00			
3.2.6		Supply and install seamless high pressure refrigeration grade copper pipework complete with fittings, refrigerant formed joints and headers, tees, fixings, supports and insulation all in cable tray for the following external diameter (OD) sizes. <u>NB- Pipe work is re-measurable</u>					
a)		6.35 mm	m	33.00			
b)		9.52 mm	m	98.00			
c)		12.70 mm	m	48.00			
d)		15.88 mm	m	118.00			
e)		19.05 mm	m	58.00			
f)		22.2 mm	m	58.00			
g)		28.58 mm	m	78.00			
h)		34.90 mm	m	78.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
3.2.7		Supply and install solvent welded uPVC condensate drain pipework as scheduled and specified complete with 100mm deep P-trap all necessary hangers, supports, fixings and fittings. Outside diameter to be as follows:					
a)		ND 50	m	55.00			
b)		ND 20	m	90.00			
3.2.8		Supply and install 450mm wide pipe tray to mount refrigeration piping	m	55.00			
3.2.9		Supply and install 150mm wide pipe tray to mount refrigeration piping	m	100.00			
3.2.10		Supply and Install all Electrical Work ,Controls and interconnecting wiring as per system schematic diagram 2. <u>NB- Isolator power points for the indoor & outdoor units not required.</u>	Sum	1.00			
3.2.11		Installation, testing and commissioning	Sum	1.00			
3.2.12		Compilation of LATS system report , shop drawings and schematic diagrams for the system for approval before construction.	Sum	1.00			
3.2.13		Flushing and pressure testing of refrigeration piping	Sum	1.00			
3.2.14		Equipment labelling as per SABS	Sum				
3.2.15		Commissioning and issuing of COC	Sum	1.00			
3.2.16		Any Additional Items that the Tenderer deems necessary for the successful and total completion of the work required for the VRV System 2 system installation. Specify: 					
3.3		ODU3 : VRV Heat Recovery Systems					
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
3.3.1		Supply and install VRV Heat Recovery indoor mid wall units, including all fixings as per Engineering & LATS layout. Cooling/ Heating Capacity - 7.1/8.0kW	No	4.00			
3.3.2		Supply and install VRV Heat Recovery indoor mid wall units, including all fixings as per Engineering & LATS layout. Cooling/ Heating Capacity - 5.6/6.3kW	No	2.00			
3.3.3		Supply and install HR-Boxes for VRV Heat Recovery system as per system tree diagram 3.	Sum	1.00			
3.3.4		Supply and install Y Branch -Boxes for the VRV Heat Recovery system as per system tree diagram 3.	Sum	1.00			
3.3.5		Supply and install VRV Heat Recovery DC inverter R410 outdoor unit, including all fixings as per Engineering drawing & system tree diagram 3. Cooling/ Heating Capacity - 44.60/38.82kW	No	1.00			
3.3.6		Supply and install seamless high pressure refrigeration grade copper pipework complete with fittings, refrigerant formed joints and headers, tees, fixings, supports and insulation all in cable tray for the following external diameter (OD) sizes. <u>NB- Pipe work is re-measurable</u>					
a)		6.35 mm	m	55.00			
b)		9.52 mm	m	89.00			
c)		12.70 mm	m	108.00			
d)		15.88 mm	m	136.00			
e)		19.05 mm	m	0.00			
f)		22.2 mm	m	46.00			
g)		28.58 mm	m	46.00			
h)		34.90 mm	m	88.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
3.3.7		Supply and install solvent welded uPVC condensate drain pipework as scheduled and specified complete with 100mm deep P-trap all necessary hangers, supports, fixings and fittings. Outside diameter to be as follows:					
a)		ND 50	m	105.00			
b)		ND 20	m	88.00			
3.3.8		Supply and install 450mm wide pipe tray to mount refrigeration piping	m	75.00			
3.3.9		Supply and install 150mm wide pipe tray to mount refrigeration piping	m	65.00			
3.3.10		Supply and Install all Electrical Work ,Controls and interconnecting wiring as per system schematic diagram 3. <u>NB- Isolator power points for the indoor & outdoor units not required.</u>	Sum	1.00			
3.3.11		Installation, testing and commissioning	Sum	1.00			
3.3.12		Compilation of LATS system report , shop drawings and schematic diagrams for the system for approval before construction.	Sum	1.00			
3.3.13		Flushing and pressure testing of refrigeration piping	Sum	1.00			
3.3.14		Equipment labelling as per SABS	Sum				
3.3.15		Commissioning and issuing of COC	Sum	1.00			
3.3.16		Any Additional Items that the Tenderer deems necessary for the successful and total completion of the work required for the VRV System 1 system installation. Specify: 					
3.4		Electrical : HR Box Isolator Points:					
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
		Supply and install 20Amp isolator, steel conduit, outlet boxes, draw boxes, expansion joint boxes,40meter,4mm² + 2.5 mm² BCE wiring per point, etc.					
		Power Points supplied from nearest Distribution Board					
a)		HRU1	Item	1.00			
b)		HRU2	Item	1.00			
c)		HRU3	Item	1.00			
d)		HRU4	Item	1.00			
e)		HRU5	Item	1.00			
f)		HRU6	Item	1.00			
g)		Budgetary allowance for modifications on distribution boards of R65000.00 <u>NB - Contractor to note that no work covered in this section must be done without an instruction from the Engineer Client and these items must be seen as provisional.</u>	Sum	1.00			
3.5		Supply, deliver and install the following split type air conditioning systems. The systems are to be inverter heat pump complete with condenser units with coils and fans, evaporator units with coils and fans, refrigeration circuits, wired remote controls, temperature sensors and all necessary accessories. The systems are to be installed as indicated on drawings.					
3.5.1		AC 4 & AC 5 Single R410A DC inverter Mid wall unit. Cooling capacity: 8.1 kW Airflow: 179.66 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	4.00			
b)		Install	No	4.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
3.5.2		AC6 Single R410A DC inverter Midwall unit. Cooling capacity: 7.1 kW Heating capacity: 8 kW Airflow: 267 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	2.00			
b)		Install	No	2.00			
3.5.3		AC7 , AC8 Single R410 DC Inverter Midwall unit. Cooling capacity: 5.6 kW Heating capacity: 6.3 kW Airflow: 149 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	2.00			
b)		Install	No	2.00			
3.5.3		Supply and install seamless high pressure refrigeration grade copper pipework complete with fittings, refrigerant formed joints and headers, tees, fixings, supports and insulation all in cable tray for the following external diameter (OD) sizes.					
a)		6.35/9.52 (Liquid/Gas)	m	15.00			
b)		9.52/15.88 (Liquid/Gas)	m	55.00			
c)		6.35/15.88 (Liquid/Gas)	m	1.00			
d)		6.35/12.7 (Liquid/Gas)	m	30.00			
3.5.4		Supply and install solvent welded uPVC condensate drain pipework as scheduled and specified complete with 100mm deep P-trap all necessary hangers, supports, fixings and fittings. Outside diameter to be as follows:					
a)		ND 32	m	15.00			
b)		ND 20	m	15.00			
3.5.5		Supply and install control cabling between condensing units and indoor units	No	5.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
3.5.6		Supply and install wired wall mounted remote controller with temperature display, temperature set point, 3 fan speeds, heat/cool mode and ON/OFF functions in server room.	No	2.00			
3.5.7		Supply and install wireless remote controller with temperature display, temperature set point, 3 fan speeds, heat/cool mode and ON/OFF functions complete with wall mounting bracket.	No	3.00			
3.5.8		Supply, install and connect the cable from electrical isolator to condensing unit (5m per outdoor unit)	No	5.00			
3.5.9		Supply and install galvanized trunking to cover all exposed refrigeration piping with accessories as specified. Galvanized trunking to be painted same color as the exterior of the building.	m	25.00			
3.5.10		Supply and install 150mm wide pipe tray to mount refrigeration piping	m	25.00			
3.5.11		Flushing and pressure testing of refrigeration piping	No	5.00			
3.5.12		Equipment labelling as per SABS	Sum				
3.5.13		Testing and commissioning of single split air-conditioning systems	Sum	1.00			
3.6		Strip and removal of redundant VRV equipment and existing single type air-conditioning equipment complete.	Sum	1.00			
3.7		Cosmetic Repairs <u>NB - Contractor to note that no work covered in this section must be done without an instruction from the Engineer / Client and these items must be seen as provisional.</u>					
3.7.1		Walls					
a)		Repair surfaces	m ²	10.00			
b)		Paint walls with PVA matching existing	m ²	120.00			
3.7.2		Ceilings					
a)		Repair surfaces	m ²	10.00			
b)		Paint ceilings with PVA matching existing	m ²	250.00			
Total Carried Forward							

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
c)		Supply and install Daiken Excel-Tone Moisture Resistant 99% relative humidity resistant pre- painted white acoustic mineral fiber ceiling tiles 600 x 600 x 15mm with Venus Pin Perforated finish and revealed edge laid onto CKM T38/24W 38 x 24mm pre-painted white exposed tee grid system.	No	50.00			
Total Carried Forward To Summary							

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

22

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4		SECOND FLOOR : AIR CONDITIONING					
4.1		Single Type Air-Conditioning: Supply, deliver and install the following split type air conditioning systems. The systems are to be inverter heat pump complete with condenser units with coils and fans, evaporator units with coils and fans, refrigeration circuits, wired remote controls, temperature sensors and all necessary accessories. The systems are to be installed as indicated on drawings.					
4.1.1		AC 1,5,6,12,13,14,15,21 Single R410A DC inverter ceiling cassette unit. Cooling capacity: 8.8 kW Heating capacity: 9.9 kW Airflow: 166 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	10.00			
b)		Install	No	10.00			
4.1.2		AC8,9,10,11,16,17, Single R410A DC inverter Cassette unit. Cooling capacity: 5.6 kW Heating capacity: 6.3 kW Airflow: 150 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	8.00			
b)		Install	No	8.00			
4.1.3		AC2,3,4,7,18,19,20,22,23 Single R410 DC Inverter Midwall unit. Cooling capacity: 5.6 kW Heating capacity: 6.3 kW Airflow: 150 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	15.00			
b)		Install	No	15.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4.1.4		Single R410A DC Inverter Ceiling cassette unit. Cooling capacity: 14 kW Heating capacity: 16 kW Airflow: 500 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	2.00			
b)		Install	No	2.00			
4.1.5		Single R410A DC Inverter Ceiling cassette unit. Cooling capacity: 10.5 kW Heating capacity: 11.2 kW Airflow: 428 l/s Complete with condensate drain piping, galvanized unistrut mounting brackets and necessary accessories.					
a)		Supply	No	2.00			
b)		Install	No	2.00			
4.1.9		Supply and install seamless high pressure refrigeration grade copper pipework complete with fittings, refrigerant formed joints and headers, tees, fixings, supports and insulation all in cable tray for the following external diameter (OD) sizes.					
a)		6.35/9.52 (Liquid/Gas)	m	10.00			
b)		9.52/15.88 (Liquid/Gas)	m	240.00			
c)		6.35/15.88 (Liquid/Gas)	m	14.00			
d)		6.35/12.7 (Liquid/Gas)	m	540.00			
e)		9.52/19.05 (Liquid/Gas)	m	10.00			
4.1.10		Supply and install solvent welded uPVC condensate drain pipework as scheduled and specified complete with 100mm deep P-trap all necessary hangers, supports, fixings and fittings. Outside diameter to be as follows:					
a)		ND 32	m	50.00			
b)		ND 20	m	200.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4.1.11		Supply and install control cabling between condensing units and indoor units	No	23.00			
4.1.12		Supply and install wired wall mounted remote controller with temperature display, temperature set point, 3 fan speeds, heat/cool mode and ON/OFF functions.	No	23.00			
4.1.13		Supply and install wireless remote controller with temperature display, temperature set point, 3 fan speeds, heat/cool mode and ON/OFF functions complete with wall mounting bracket.	No	23.00			
4.1.14		Supply, install and connect the cable from electrical isolator to condensing unit (5m per outdoor unit)	No	23.00			
4.1.16		Budgetary allowance for repairs of electrical isolator points. <u>NB - Contractor to note that no work covered in this section must be done without an instruction from the Engineer Client and these items must be seen as provisional.</u>	PC Sum	1.00	55,000.00	55,000	00
4.1.17		Supply and install galvanised trunking to cover all exposed refrigeration piping with accessories as specified. Galvanised trunking to be painted same colour as the exterior of the building.	m	115.00			
4.1.18		Supply and install 150mm wide pipe tray to mount refrigeration piping	m	115.00			
4.1.19		Flushing and pressure testing of refrigeration piping	No	23.00			
4.1.20		Equipment labelling as per SABS	Sum				
4.1.21		Testing and commissioning of single split air-conditioning systems	Sum	1.00			
4.1.22		Strip and removal of all existing single type air-conditioning equipment complete.	Sum	1.00			
4.2		AHU Installations : Court Room C,D,E					
Total Carried Forward							

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.****BILL OF QUANTITIES**

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4.2.1		Supply, deliver and install the following single type air conditioning systems. The systems are to be inverter heat pump type complete with condenser units with coils and fans, evaporator units with coils and fans , refrigeration circuits, controllers, temperature sensors , primary filters and all necessary accessories. The systems are to be installed as indicated on drawings.					
		AHU5,6,7 Vertical type ,VRF HYBRID R410 packaged air handling unit , complete with heat pump condenser ODUAHU5,6,7 as per specification and necessary accessories.					
		a)Cooling/Heating capacity: 112.48/108.38kW					
		b)Flow rate indoor unit : 3502.59 l/s					
		c)Air Handling Unit make shall be - HC Heat-Exchangers					
		d)Air Handling Unit shall be "KIT TYPE" that can be assembled inside plant room.					
		e)Condensers shall be similar or equal and approved to (MAKE- LG or Daikan).					
a)		Supply including delivery	No	3.00			
b)		Install of air handling unit & condenser complete including rigging into place and assembling of air handling unit in plant room.	No	3.00			
c)		Contractor to allow for crane to rig all condensers into place at high level on roof - refer to site photos to size crane.	Sum	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4.2.2		Supply and install seamless high pressure refrigeration grade copper pipework complete with fittings,y-branches refrigerant formed joints and headers, tees, fixings, supports and insulation all in pipe tray for the air conditioning systems as per manufactures recommendation. <u>NB- Contractor to note that plant rooms for condensers are directly above at roof level of plant room 1 & 2.</u>					
a)		AHU5 - ODUAH5	Sum	1.00			
b)		AHU6 - ODUAH6	Sum	1.00			
c)		AHU7 - ODUAH7	Sum	1.00			
4.2.3		Supply and install galvanised condensate drain pipework as scheduled and specified complete with 100mm deep P-trap all necessary hangers, supports, fixings and fittings. Outside diameter to be as follows:					
a)		ND 32	m	30.00			
4.2.4		Supply and install control cabling between condensing units and air handling units. <u>NB- Contractor to note that plant rooms for condensers are directly above at roof level of plant room 1 & 2.</u>					
a)		AHU5 - ODUAH5	Sum	1.00			
b)		AHU6 - ODUAH6	Sum	1.00			
c)		AHU7 - ODUAH7	Sum	1.00			
d)		Supply and install temperature sensors in building	No	6.00			
e)		Supply and install wiring for temperature sensor installations	m	300.00			
4.2.5		Supply and install external digital AHU controller with temperature display, temperature set point, fan speeds, heat/cool mode and ON/OFF functions.	No	3.00			
4.3		Electrical Installations					
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.

BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4.3.1		<u>The Supply and Installation of LV Distribution Boards complete with equipment, busbars and switchgear as specified:</u> New - DB AHU5&6 DB shall be conforming to the following specification and be fitted the equipment: a)Surface mounted,1.6mm thick steel ,epoxy powder coated. b.IP65 rated (Dust and Water proof) c.2 x Doors , handles , catches & locks d.Removable front panels e.1 x 150A,3Phase,25KA Circuit Breaker f.2 x 20A,3Phase,10KA Circuit Breaker g.4 x 30A,3Phase,10KA Circuit Breaker h.2 x 20A,1Phase,6KA Circuit Breaker h. Busbar rating 350A i. 40% spare space					
a)		Strip and remove existing distribution board and safe making of circuits in plant room.	Sum	1.00			
b)		Supply new DB	Sum	1.00			
c)		Install new DB	Sum	1.00			
4.3.2		New - DB AHU7 DB shall be conforming to the following specification and be fitted the equipment: a)Surface mounted,1.6mm thick steel ,epoxy powder coated. b.IP65 rated (Dust and Water proof) c.2 x Doors , handles , catches & locks d.Removable front panels e.1 x 100A,3Phase,25KA Circuit Breaker f.1 x 20A,3Phase,10KA Circuit Breaker g.2 x 30A,3Phase,10KA Circuit Breaker h.1 x 20A,1Phase,6KA Circuit Breaker h. Busbar rating 600A i. 40% spare space					
a)		Strip and remove existing distribution board and safe making of circuits in plant room.	Sum	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
b)		Supply new DB	Sum	1.00			
c)		Install new DB	Sum	1.00			
4.3.3		Low Voltage Supply : DB AHU5,6,7					
		Supply and Installation of 600/1000V PVC SWA cables on cable racks.					
4.3.3.1		35mm² x 4 Core					
a)		Supply	m	50.00			
b)		Install	m	50.00			
4.3.3.2		6mm² x 4 Core					
a)		Supply	m	500.00			
b)		Install	m	500.00			
		Making off ends of 600/1000V PVC SWA cables onto switchgear and busbars,including all necessary cable end material,glands and cable clamps complete.					
4.3.3.3		35mm² x 4					
a)		Supply	No	4.00			
b)		Install	No	4.00			
4.3.3.4		6mm² x 4					
a)		Supply	No	9.00			
b)		Install	No	9.00			
		The supply and installation of bare copper,stranded earth conductor on cable-racks complete.					
4.3.3.5		6mm²					
a)		Supply	m	500.00			
b)		Install	m	500.00			
4.3.3.6		Supply and install 30A rotary IP 65 isolators on 1.2m	No	9.00			
4.3.3.7		Marking/labelling of individual switch socket outlets and switches complete.	Sum	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4.3.3.8		Marking/labeling of individual main supply cables complete as per drawings.	Sum	1.00			
4.3.3.9		Testing , commissioning and issuing COC's for all Distribution(New & Existing) boards complete.	No	2.00			
4.4		LOW PRESSURE GALVANISED DUCTWORK					
		Supply and install Galvanized Sheet Metal Ducting complete , all necessary hangers, brackets and accessories for connection on existing duct networks.					
4.4.1		Category 1Duct Work: Longest side not exceeding 750mm, sum of two adjacent sides not exceeding 1150mm Thickness: 0.6mm.	m²	32.00			
		Extra over low pressure galvanized ductwork for fittings, reducers, radius bends, square bends, transformations, spigots, branches, tees and square to rounds					
4.4.2		Category one fittings	No	9.00			
4.4.3		Supply and install flexible duct break to prevent transmission of vibration from unit to connected ducting.					
a)		Size: 1000x1150mm (W x H)	No	3.00			
b)		Size: 1250x1350mm (W x H)	No	3.00			
4.5		Supply and install 450mm wide galvanized pipe trays with cover lid for refrigeration piping with accessories as specified.	m	50.00			
4.6		Supply and install 150mm wide galvanized cable trays with cover lid with accessories as specified.	m	50.00			
4.7		Flushing and pressure testing of refrigeration piping systems	Sum	1.00			
4.8		Equipment labeling as per SABS	Sum				
4.9		Testing, commissioning and balancing of airflow of ducted HVAC systems.	Sum	1.00			
Total Carried Forward							

CONTRACT KIM01/2021

KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES

ITEM NO	PAYMENT	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
						R	c
Brought Forward							
4.10		Allow budgetary amount for the Supply and install sound attenuator complete with mounting brackets and fan connections.	Sum	1.00	55,000.00	55,000	00
4.11		Allow budgetary amount for the Supply and install steel mounting frames for condensing units	Sum	1.00	35,000.00	35,000	00
4.12		Service and repair of existing fire dampers.	No	6.00			
4.13		Allow budgetary amount for the Integration with existing fire detection system	Sum	1.00	60,000.00	60,000	00
4.14		Strip and removal of all existing single type AHU equipment including condensers on roof complete.	Sum	1.00			
4.15		Allow a budgetary amount for the service and repair fresh air ventilation fans in plant room 1 & 2	Sum	1.00	55,000.00	55,000	00
4.16		Allow a budgetary amount for FAT for clients representative at AHU manufactures factory.	Sum	1.00	35,000.00	35,000	00
4.17		Allow profit on items 4.10, 4.11,4.13 , 4.15 & 4.16	%				
Total Carried Forward To Summary							

CONTRACT KIM01/2021**KIMBERLY : JUSTICE : HIGH COURT : INSTALLATION OF AIR-CONDITIONERS,REPAIR AND RENOVATION.
BILL OF QUANTITIES****SUMMARY OF SECTIONS**

SECTION	DESCRIPTION	AMOUNT (RAND)
1	SCHEDULE 1 : PRELIMARY AND GENERAL	.....
2	SCHEDULE 2 : GROUND FLOOR : AIR CONDITIONING	.....
3	SCHEDULE 3 : FIRST FLOOR : AIR CONDITIONING	.....
4	SCHEDULE 4 : SECOND FLOOR : AIR CONDITIONING	.....
5	Sub - Total	_____ _____
6	15% VAT	.....
Total Carried Forward to Form of Offer		_____ _____

T2.2 Returnable Documents required for Tender Evaluation Process

PA-11: DECLARATION OF INTEREST AND BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

Failure to complete this form in full and signed by the duly authorized person, as indicated on PA-15.1 or PA-15.3, shall render the tender non-responsive and will be removed from any and all further contention.

Project title:	<i>Kimberley: Justice: High court including masters office: Installation of airconditioners</i>		
Bid no:	<i>KIM 01/2021</i>	Reference no:	<i>19/2/4/2/2/2327/489</i>

The following particulars must be furnished. In the case of a joint venture, separate declarations in respect of each partner must be completed and submitted.

1. CIDB REGISTRATION NUMBER (If applicable)

--

2. Any legal person, including persons employed by the State¹; or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority and/or take an oath declaring his/her interest, where:

- The bidder is employed by the state; and/or
- The legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

3. In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.

3.1 Full Name of bidder or his or her representative:

3.2 Identity number:

3.3 Position occupied in the Company (director, trustees, shareholder² ect

3.4 Company Registration Number:

3.5 Tax Reference umber:

3.6 VAT Registration Number:

3.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

¹ "State" means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

² "Shareholder" means –

- (a) a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercise control over the enterprise

3.7 Are you or any person connected with the bidder presently employed by the state? ☐ YES ☐ NO

3.7.1 If so, furnish the following particulars:

Name of person / director /trustees/shareholder/ member:.....

Name of state institution at which you or the person is connected to the bidder is employed

Position occupied in the state institution:.....

Any other particulars:

.....
.....

3.8 Did you or your spouse, or any of the company's directors / trustees/shareholders / members or their spouses conduct business with the state in the previous twelve months? ☐ YES ☐ NO

3.8.1 If so, furnish particulars:.....

.....

3.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? ☐ YES ☐ NO

3.9.1 If so, furnish particulars.

.....
.....

3.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between the bidder and any person employed by the state who may be involved with the



evaluation and or adjudication of this bid?

☐ YES ☐ NO

3.10.1 If so, furnish particulars.

.....

.....

3.11 Do you or any of the directors /trustees/shareholders/ members of the company have any interest in any other related companies whether or not they are bidding for this contract?

☐ YES ☐ NO

3.11.1 If so, furnish particulars:

.....

.....

4. Full details of directors / trustees / members / shareholders.

Full Name	Identity Number	Personal Tax Reference Number	State Employee Number / Persal Number

5. DECLARATION OF TENDERER / BIDDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTICES

5.1	Is the tenderer / bidder or any of its directors listed on the National Treasury's database as companies or persons prohibited from doing business with the public sector? (Companies or persons who are listed on this database were informed in writing of this restriction by the National Treasury after the audi alteram partem rule was applied).	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5.2	If so, furnish particulars:		



5.3	<i>Is the tenderer / bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</i> To access this Register enter the National Treasury's website, www.treasury.gov.za, click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number (012) 3265445.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5.4	<i>If so, furnish particulars:</i>		
5.5	<i>Was the tenderer / bidder or any of its directors convicted by a court of law (including a court outside of the Republic of South Africa) for fraud or corruption during the past five years?</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5.6	<i>If so, furnish particulars:</i>		
5.7	<i>Was any contract between the tenderer / bidder and any organ of state terminated during the past five years on account of failure to perform on or comply with the contract?</i>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
5.8	<i>If so, furnish particulars:</i>		

6. CERTIFICATION

I the undersigned (full name) _____ certify that the information furnished on this declaration form is true and correct.

I accept that, in addition to cancellation of a contract, action may be taken against me should this declaration prove to be false.

Name of Tenderer / bidder	Signature	Date	Position

This form has been aligned with SBD4 and SBD 8

PA- 29: CERTIFICATION OF INDEPENDENT BID DETERMINATION

Project title:	Kimberley:Justice: High court including masters office:Installation of airconditioners		
Bid no:	KIM 01/2021	Reference no:	19/2/4/2/2/2327/489

INTRODUCTION

1. This PA-29 [Certificate of Independent Bid Determination] must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *pe se* prohibition meaning that it cannot be justified under any grounds.
3. Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
4. This form (PA-29) serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (PA-29) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.

² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate.
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect.
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder.
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder.
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and



- (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder.
6. 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 consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
- (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public

³ Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

Name of Bidder	Signature	Date	Position

PA-15.1: RESOLUTION OF BOARD OF DIRECTORS

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

_____ (legally correct full name and registration number, if applicable, of the Enterprise)

Held at _____ (place)

on _____ (date)

RESOLVED that:

1. The Enterprise submits a Bid / Tender to the Department of Public Works in respect of the following project:

_____ (project description as per Bid / Tender Document)

Bid / Tender Number: _____ (Bid / Tender Number as per Bid / Tender Document)

2. *Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign the Bid / Tender, and any and all other documents and/or correspondence in connection with and relating to the Bid / Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Bid / Tender to the Enterprise mentioned above.

	Name	Capacity	Signature
1			
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15			
16			
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19			
20			

The bidding enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed.

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
3. In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
4. Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
5. Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP

PA-15.2: RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(Legally correct full name and registration number, if applicable, of the Enterprise)

Held at _____ (place)

on _____ (date)

RESOLVED that:

1. The Enterprise submits a Bid /Tender, in consortium/Joint Venture with the following Enterprises:

(List all the legally correct full names and registration numbers, if applicable, of the Enterprises forming the Consortium/Joint Venture)

to the Department of Public Works in respect of the following project:

(Project description as per Bid /Tender Document)

Bid / Tender Number: _____ (Bid / Tender Number as per Bid / Tender Document)

2. *Mr/Mrs/Ms: _____
in *his/her Capacity as: _____ (Position in the Enterprise)
and who will sign as follows: _____

be, and is hereby, authorised to sign a consortium/joint venture agreement with the parties listed under item 1 above, and any and all other documents and/or correspondence in connection with and relating to the consortium/joint venture, in respect of the project described under item 1 above.

3. The Enterprise accepts joint and several liability with the parties listed under item 1 above for the due fulfilment of the obligations of the joint venture deriving from, and in any way connected with, the Contract to be entered into with the Department in respect of the project described under item 1 above.
4. The Enterprise chooses as its *domicilium citandi et executandi* for all purposes arising from this joint venture agreement and the Contract with the Department in respect of the project under item 1 above:

Physical address: _____

(code)

Postal Address: _____

_____ (code)

Telephone number: _____

Fax number: _____

	Name	Capacity	Signature
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15			

The bidding enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed

Note:

- * Delete which is not applicable.*
- NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
- In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
- Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
- Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP



PA-15.3: SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly bid for the project mentioned below: *(legally correct full names and registration numbers, if applicable, of the Enterprises forming a Consortium/Joint Venture)*

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Held at _____ (place)

on _____ (date)

RESOLVED that:

RESOLVED that:

- A. The above-mentioned Enterprises submit a Bid in Consortium/Joint Venture to the Department of Public Works in respect of the following project:

(Project description as per Bid /Tender Document)

Bid / Tender Number: _____ *(Bid / Tender Number as per Bid /Tender Document)*



B. *Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign the Bid, and any and all other documents and/or correspondence in connection with and relating to the Bid, as well as to sign any Contract, and any and all documentation, resulting from the award of the Bid to the Enterprises in Consortium/Joint Venture mentioned above.

C. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of:

D. The Enterprises to the Consortium/Joint Venture accept joint and several liability for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.

E. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item D above.

F. No Enterprise to the Consortium/Joint Venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.

G. The Enterprises choose as the *domicilium citandi et executandi* of the Consortium/Joint Venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: _____

_____ (code)

Postal Address: _____

_____ (code)

Telephone number: _____

Fax number: _____



	Name	Capacity	Signature
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The bidding enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed.

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must be signed by all the Duly Authorised Representatives of the Legal Entities to the consortium/joint venture submitting this tender, as named in item 2 of Resolution PA-15.2.
3. Should the number of the Duly Authorised Representatives of the Legal Entities joining forces in this tender exceed the space available above, additional names, capacity and signatures must be supplied on a separate page.
4. Resolution PA-15.2, duly completed and signed, from the separate Enterprises who participate in this consortium/joint venture, must be attached to this Special Resolution (PA-15.3).

DPW-09 (EC): PARTICULARS OF TENDERER'S PROJECTS

Project title:	Kimberley: Justice: High court Including masters office: Installation of airconditioners			
Tender / quotation no:	KIM01/2021	Closing date:	16 April 2021	
Advertising date:	26 March 2021	Validity period:	56 days	

1. PARTICULARS OF THE TENDERER'S CURRENT AND PREVIOUS COMMITMENTS

1.1. Current projects

Projects currently engaged in	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commence-ment date	Contractual completion date	Current percentage progress
1						
2						
3						
4						
5						
6						
7						
8						

1.2. Completed projects

Projects completed in the previous 5 (five) years	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commence-ment date	Contractual completion date	Date of Certificate of Practical Completion
1						
2						
3						
4						
5						
6						
7						
8						
9						

Name of Tenderer	Signature	Date



DPW-21 (EC): RECORD OF ADDENDA TO TENDER DOCUMENTS

Project title:	<i>Kimberley: Justice: High court including masters office: Installation of airconditioners</i>		
Tender no:	<i>KIM 01/2021</i>	Reference no:	<i>19/2/4/2/2327/489</i>

1. I / We confirm that the following communications received from the Department of Public Works before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer: *(Attach additional pages if more space is required)*

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		

Name of Tenderer	Signature	Date

2. I / We confirm that no communications were received from the Department of Public Works before the submission of this tender offer, amending the tender documents.

Name of Tenderer	Signature	Date

**DPW-15 (EC): SCHEDULE OF PROPOSED SUBCONTRACTORS**

Project title:	<i>Kimberley: Justice: High court including masters office: Installation of airconditioners</i>		
Tender no:	<i>KIM 01/2021</i>	Reference no:	<i>19/2/4/2/2/2327/489</i>

We notify you that it is our intention to employ the following Subcontractors for work in this contract.

We confirm that all subcontractors who are contracted to construct a house are registered as home builders with the National Home Builders Registration Council.

	Name and address of proposed Subcontractor	Nature and extent of work	Previous experience with Subcontractor
1			
2			
3			
4			
5			

Name of representative	Signature	Capacity	Date

Name of organisation:	
------------------------------	--

**DPW-22 (EC): PARTICULARS OF ELECTRICAL CONTRACTOR**

Project title:	<i>Kimberley: Justice: High court including masters office: Installation of airconditioners</i>		
Tender no:	KIM 01/2021	Reference no:	19/2/4/2/2/2327/489

Name of Electrical Contractor:	
Address:	
Electrical Contractor registration number at the Electrical Contracting Board of S.A.:	

Name of Tenderer	Signature	Date

**T2.2 Returnable Documents that will be incorporated into
the Contract**

Equipment Schedule

The successful Bidder must complete the following schedules and submit with the Bid. The schedules will be scrutinised by the Engineer and should any material offered not comply with the requirements contained in the specification, the Contractor will be instructed to supply material in accordance with the Contract at no additional cost.

NB: Only one Manufacturer's name to be inserted for each item.

SCHEDULE OF EQUIPMENT OFFERED BY CONTRACTOR

1	AIR HANDLING UNITS	
1.1	Make	<u>HC Heat Exchangers Pty Ltd</u>
1.2	Type	.....
1.3	Casing insulation type and thickness	.....
1.4	Supply fan make	.....
1.5	Supply fan type	.....
1.6	Cooling/heating coil make	.....
1.7	Primary filter make	.....
2	HEAT RECOVERY R410 VRV/VRF SYSTEMS	
2.1	Make	.....
3	SINGLE R410A DC INVERTER AIR-CONDITIONING SYSTEMS	
3.1	Make	.....
4	AIR DUCT WORK	
4.1	Duct work manufacture	.....
4.2	Grille manufacture	.....
4.3	Weather louver manufacture	.....
5	ELECTRICAL	
5.1	Specialist contractor	.....
5.2	Make of DB's	.....

**TENDER:
KIM01/2021**



NOTE

Bidders must submit technical brochures of all the mechanical material offered under this Bid for the approval of the Engineer.

Bidders are to note that under no circumstances may materials be installed other than that offered in the above material schedule, which has been approved and accepted by the Engineer.

Should the successful Bidder wish to supply materials other than that originally offered, prior written approval must be obtained from the Director-General: Department of Public Works, Private Bag X5022, Kimberley 8301, before any orders can be placed.

.....

Date

.....

Signature of Contractor



DPW-23 (EC): SCHEDULE FOR IMPORTED MATERIALS AND EQUIPMENT

Project title:	<i>Kimberley: Justice: High court including masters office: Installation of airconditioners</i>		
Tender no:	<i>KIM 01/2021</i>	Reference no:	<i>19/2/4/2/2327/489</i>

This schedule should be completed by the tenderer. (Attach additional pages if more space is required)

Item	Material / Equipment	Rand (R) (Excluding VAT)
1.		R
2.		R
3.		R
4.		R
5.		R
6.		R

The Contractor shall list imported items, materials and/or equipment which shall be excluded from the Contract Price Adjustment Provisions (if applicable) and shall be adjusted in terms of currency fluctuations only. Copies of the supplier's quotations for the items, materials or equipment (provided that such costs shall not be higher than the relevant contract rate as listed above) should be lodged with the Principal Agent / Engineer of the Department of Public Works within 60 (sixty) days from the date of acceptance of the tender. No adjustment of the local VAT amount, nor the contractor's profit, discount, mark-up, handling costs, etc. shall be allowed.

These net amounts will be adjusted as follows:

FORMULA:

The net amount to be added to or deducted from the contract sum:

$$A = V \left(\frac{Z}{Y} - 1 \right)$$

A = the amount (R) of adjustment

V = the net amount (supplier's quotation) (R) of the imported item

Y = exchange rate at the closing date of tender submission

Z = exchange rate on the date of payment.

Name of Tenderer	Signature	Date

ANNEXURE A: COMPLIANCE WITH OHSA (ACT 85 OF 1993)

Tenderers are required to satisfy the Employer and the Engineer as to their ability and available resources to comply with the above by answering the following questions and providing the relevant information required below.

- | | | |
|-------|--|----------|
| 1. | Is the Contractor familiar with the OHSA (ACT 85 OF 1993) and its Regulations? | YES / NO |
| 2. | Who will prepare the Contractors Health and Safety Plan? (Provide a copy of the person/s curriculum vitae/s or company profile). | |
| <hr/> | | |
| 3. | Does the Contractor have a health and safety policy? (If yes, provide a copy).
How is this policy communicated to all employees? | YES / NO |
| <hr/> | | |
| 4. | Does the Contractor keep records of safety aspects of each construction site?
If yes, what records are kept? | YES / NO |
| <hr/> | | |
| 5. | Does the Contractor conduct monthly safety meetings? If yes, who is the chairperson of the meeting, and who attends these meetings? | YES / NO |
| <hr/> | | |
| 6. | Does the Contractor have a safety officer in his employment, responsible for the overall safety of his company?
If yes, please explain his duties and provide a copy of his CV. | YES / NO |
| <hr/> | | |
| <hr/> | | |
| 7. | Does the Contractor have trained first aid employees? If yes, indicate who. | YES / NO |
| <hr/> | | |
| 8. | Does the Contractor have a safety induction training programme in place?
(If yes, provide a copy). | YES / NO |

Signature of Tenderer

Date



PA-36: DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

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

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) make provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x / y] * 100$$

Where

x is the imported content in Rand

y is the bid price in Rand excluding value added tax (VAT)

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

The SABS approved technical specification number SATS 1286:2011 is accessible on [http://www.thedti.gov.za/Industrial development/ip.jsp](http://www.thedti.gov.za/Industrial%20development/ip.jsp) at no cost.



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

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

<u>Description of services, works or goods</u>	<u>Stipulated minimum threshold</u>
Cabling	90%
Primary Steel Products	100%
Instrument Transformers	90%
Busbars	100%
Housing	100%
Switching Devices	70%
Casting or Frame Fabrication	100%
Fabrication and winding of the Motor Core	100%
Accessories	100%
Assembly and testing of the fully-built unit	100%
Steel Value-added Products	100%
Electrical and telecom cables	90%
Low voltage (LV) Associated Accessories	70%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

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

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

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

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

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

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

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer". Page 2 of 4



LOCAL CONTENT DECLARATION
(REFER TO ANNEX B OF SATS 1286:2011)

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

IN RESPECT OF BID NO.

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

NB

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

2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on http://www.thdti.gov.za/industrial_development/ip.jsp. Bidders should first complete Declaration D. After completing Declaration D, bidders should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the bidders for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

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

(a) The facts contained herein are within my own personal knowledge.

(b) I have satisfied myself that:

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

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

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



If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above. The local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

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

SIGNATURE: DATE: _____

WITNESS No. 1 DATE: _____

WITNESS No. 2 DATE: _____