



higher education
& training
Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA



**BUFFALO CITY
TVET COLLEGE**

REQUEST FOR QUOTATIONS – INSTALLATION OF AIR-CONDITIONERS AT EAST LONDON CAMPUS

Kindly see the attached request for quote (RFQ). Quotations should be forwarded to quotations@bccollege.co.za.

TENDERERS MUST NOTE THAT WHEREVER THIS DOCUMENT REFERS TO ANY PARTICULAR TRADE MARK, NAME, PATENT, DESIGN, TYPE, SPECIFIC ORIGIN OR PRODUCER, SUCH REFERENCE SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS 'OR EQUIVALENT.

Kindly submit the following **REQUIRED** documents when responding to the RFQ

- Signed quotation (quotations not signed will be eliminated)
- Latest declaration forms (SBD 4, 8 and 9), see attached on college website
- Certified BBBEE certificate (0 points will be awarded for BBBEE certificates that are not certified)
- Tax Clearance Certificate
- CSD full report
- Company Registration
- Bank Confirmation Letter (not older than 3 months)
- Quotations must be detailed as per specification
- Quotations must be submitted in the PDF format **ONLY**
- All quotations submitted via email addresses other than the one listed above will not be considered.

Compulsory Briefing Session: 03 April 2024 at East London Campus

Closing Date 08 APRIL 2024 at 11h00 am. No late or hand delivered documents will be accepted. ONLY EMAILED DOCUMENTS WILL BE ACCEPTED

043 704 9238 / 043 704 9241



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**BUFFALO CITY
TVET COLLEGE**

Relevant Vocational Education for a Changing World

TO : WHOM IT MAY CONCERN
FROM : BUFFALO CITY TVET COLLEGE
SUBJECT: REQUEST FOR PRICE QUOTATION

DATE: 05 March 2024

SPECIFICATION FOR SERVICING OF AIR-CONDITIONERS

Kindly provide Buffalo City TVET College with a quotation as per the specification below:

Location	Size	QTY	Description
A116 - Classroom	36000Btu/h	1	AIR HANDLING UNIT <ul style="list-style-type: none"> Remove and clean filters Check filter pressure drops within clean range on Magnehelic/ Manometer gauge. Check all components for corrosion, clean and treat Clean out fresh air intake grille and coil Check condition of fan belts and adjust tension Check bearings for sweating. Lubricate bearings, bushes, dampers and other moving parts Clean drip-pan and drain line – test all Clean fan compartment Clean evaporator coil Check fan / motor mounting and tighten Check all components for excessive noise and vibration Check and record evaporator fan amps Check and record overload set point Check control panel for correct operation, loose connections, labels, corrosion and cleanliness
A117 – Health centre	18000Btu/h	1	
A119-Campus Head Office 1	12000Btu/h	1	
A119 – Campus head office 2	12000Btu/h	1	
A119 – Campus head office 3	12000Btu/h	1	
A123 – Security room	12000Btu/h	1	
A134 – General Office	12000Btu/h	1	
A130 - SSS	18000Btu/h	1	
A137 – WBE Office	12000Btu/h	1	
A145 – Bursary Office	36000Btu/h	1	
B106 - Classroom	36000Btu/h	1	
B108 - Sim	36000tu/h	1	
B208 – Classroom	65000Btu/h	1	
B207 - Office	9000Btu/h	1	
B207 - Classroom	9000Btu/h	1	
E14 - Classroom	44000Btu/h	3	
E15 – Classroom	44000Btu/h	3	
E16 – Classroom	44000Btu/h	3	
E18 – Classroom	53400Btu/h	2	
E19 - Classroom	44000Btu/h	1	
A216 – Tourism Sim 1	55000Btu/h	1	
A220- Lecturers room	18000Btu/h	1	
A226-Hod Office	9000Btu/h	1	
A229- Business Studies	12000Btu/h	1	
A232-Hod Office	12000Btu/h	1	
A235-Classroom	48000Btu/h	1	
A243- Classroom	60000Btu/h	1	
A245- Classroom	48000Btu/h	1	
A250- Classroom	48000Btu/h	1	
A251-Classroom	65000Btu/h	1	
A240-Classroom	18000Btu/h	1	

C204-Tourism sim 2	48000Btu/h	1
C213-Finance Sim1	55000Btu/h	1
Finance- Sim 3	60000Btu/h	1
C112- Sim 4	48000Btu/h	2
C109-Sim 1	24000Btu/h	1
D103-Classroom	48000Btu/h	2
D203- Classroom	48000Btu/h	2
D104-Classroom	48000Btu/h	2
D204-Classroom	24000Btu/h	1
Staffroom	48000Btu/h	2
Copy shop	36000Btu/h	2
Resource centre	36000Btu/h	2
	22000Btu/h	5
	12000Btu/h	4
Workshop	12000Btu/h	2
A204	36000Btu/h	1

- Check motor connections are tight
- Record on / off coil temperatures
- Check DX Coil not freezing indicating low air flow or under charge
- Supply fan runs down after unit switched off on unit fitted with heaters
- Heaters come on if set point adjusted

- Supply fan runs down after unit switched off on unit fitted with heaters
- Check condition of unit insulation
- Check door seals and hinges
- Record overheat stat settings
- Check air flow / pressure switch is working
- Record on/off coil temperatures

CONDENSING UNIT

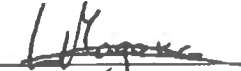
- Clean and check condenser coils
- Record outside air temperature
- Record suction pressure
- Record discharge pressure
- Record liquid level in site glass
- Check for refrigerant leaks
- Check condition of refrigeration lines and insulation
- Record low pressure trip set point
- Record high pressure trip set point
- Adjust controller and check reverse value
- Record compressor operating amps
- Record compressor overload trip set point
- Check motor connections are tight

	<ul style="list-style-type: none"> • Check all components for corrosion and treat • Check operation of fire relay • Check humidifier bottles are clean and free of corrosion and dirty water • Check humidifier is functioning when set point adjusted and does not drain frequently <p>DUCTING</p> <ul style="list-style-type: none"> • Check condition of all ducting and duct fixings • Check integrity of all joints • Check condition of duct insulation • Check all heater connections and operation of heaters • Check and clean all supply and return air grilles • Damper actuators not stuck and are operating <p>CONDITIONED SPACE</p> <ul style="list-style-type: none"> • Record controller temperature set points • Record conditioned space temperature • Record supply air temperature • Record return air temperature <p>ELECTRICAL INSTALLATION</p> <ul style="list-style-type: none"> • Check all electrical terminations are tight • Check all terminal boxes are watertight • Check all equipment is bonded to the earthing system • Check heater elements and replace if necessary • Check element load ratings • Check all protection devices are installed and operating
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A compulsory site inspection will take place as determined by the SCM unit.



N. Seku
SCM Clerk



L. Magaxa
Maintenance Officer



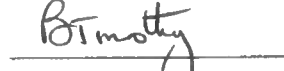
N. Ngxekana
AD: Infrastructure



X. Madliki
DP: Registration Services



P. Mawila
Acting Principal



B. Timothy
SCM Manager