

TVET CAMPUS CONNECTION PROJECT



TVET Colleges Connection Project (TCCP)

Request for Quotation

For

TCCP Campus Wi-Fi Specific Equipment, Installation, Testing and Support

RFQ number: SABEN 0004/2023

West Coast TVET College

Date of Issue	13 January 2023
Closing Date and Time	3 February 2023, 17h00 South African time
Place	Submission of quotations: Email to rfq@saben.ac.za (please always quote the RFQ number with your submissions and enquiries)

TVET CAMPUS CONNECTION PROJECT



Table of Contents

1	Invitation to Quote.....	3
2	Contents of this RFQ.....	3
3	Requirements	4
4	Pricing template	12
5	Quotation Contents, Format and Submission	12
6	Evaluation Criteria.....	13
7	Contracting	15
8	Clarifications.....	15
9	SABEN Rights and Special Conditions.....	16
10	Equipment delivery and site survey and Installation Design Certificate	18
11	Site Installation Acceptance Certificate	19
12	Cession of the Wi-Fi System Support Agreement.....	21
13	Equipment – Standard Bill of Materials for installation per campus	22
14	College Specific Data Annexure.....	22

TVET CAMPUS CONNECTION PROJECT



1 Invitation to Quote

- 1.1 Quotations are hereby invited for the South African Broadband and Education Networks (SABEN) TVET Campus Connection Programme (TCCP) work at specific TVET colleges and identified campuses comprising:
- 1.1.1 Supply of specific brand equipment; and the
- 1.1.2 Provision of the following services:
- 1.1.2.1 Site installation surveys for the Wi-Fi network expansions;
- 1.1.2.2 Installation, testing, and commissioning of the Wi-Fi; and
- 1.1.2.3 Provision of support to the college for a period of one (1) year for the Wi-Fi installation.
- 1.2 Certain additional equipment items to be installed will be provided by SABEN via a separate request to the market (RFQ 21/2022). See table under paragraph 13.1.
- 1.3 The TCCP is an Information and Communication Technology (ICT) infrastructure initiative by the Department of Higher Education and Training (DHET), funded through a National Skills Fund (NSF) grant, to connect Technical and Vocational Education and Training (TVET) college campuses to the South African National Research Network (SANREN).
- 1.4 The DHET has appointed SABEN to implement the TCCP programme. SABEN is a non-profit company formed specifically to connect TVET colleges to the SANREN.

2 Contents of this RFQ

Document	Title	Type	Purpose
1	Main RFQ (this document)	PDF	<ul style="list-style-type: none">- Invitation for Quotation- Requirements- Pricing Template- Quotation Contents, Format and Submission- Evaluation Criteria- Clarifications- SABEN Rights and Special Conditions
Annexure 1	SABEN's Terms and Conditions of Purchase	PDF	<ul style="list-style-type: none">- Standard conditions applicable to any possible contract
Annexure 2	Brand equipment delivery, installation, and support costing	MS Excel	<ul style="list-style-type: none">- To be filled in and submitted with the proposed pricing- With a signed PDF version
Annexure 3	Declaration by the Proposer	PDF	<ul style="list-style-type: none">- To be signed and submitted

TVET CAMPUS CONNECTION PROJECT



3 Requirements

3.1 Two sets of pricing are required:

- 3.1.1 Brand Equipment pricing as per section 3.2; and
- 3.1.2 Installation and support pricing as per section 3.3.

3.2 SABEN requires pricing as per the equipment list specified in the table under paragraph 3.2.4, which is to be provided as per Annexure 2.

- 3.2.1 Quotations shall include all items.
- 3.2.2 Quotations shall include delivery of equipment to college sites as per the table (Paragraph 13.1) at the end of this document.

3.2.3 The Wi-Fi Access Points (APs) shall be compatible with the controllers as specified in the table under 3.2.4:

3.2.4 West Coast TVET College equipment under this RFQ

Minimum	Specification	Quantity	Warranty period (Months)	Unit Price (ex VAT)	Total Price (ex VAT)	Delivery lead time (weeks)	Assurance of Compliance (insert 'COMPLY' to certify that the equipment offered complies with the minimum specification)
1 AP – Indoor (Omnidirectional) with mounting kit. Cambium Networks APs compatible with	Wi-Fi 6 (802.11ax) (must also support current and legacy formats) Wall/Ceiling mount Indoor Access point - medium density indoor environments, internal antennas; Support controller based deployment with physical controller, cloud controller or controller embedded into the AP; *support	31			R -		



TVET CAMPUS CONNECTION PROJECT



cnMaestro Wi-Fi controller	802.11a/b/g/n/ac radio technologies; * dual radio, 5GHz 802.11ax 2x2 MIMO and 2.4GHz 802.11ax 2x2 MIMO; *up to 256 associated client devices per radio; *Security: WPA, WPA2 and WPA3 – Enterprise, Radius; *supports minimum 4 SSIDs; *Ethernet wired network port (RJ-45) Auto-sensing link speed (10/100/1000BASE-T); *Power over ethernet - 802.3af/at PoE (class 3 or 4) ; Wall mount kit for indoor AP						
2 AP – Outdoor Directional (120 deg) with mounting kit. Cambium Networks APs compatible with cnMaestro Wi-Fi controller	Wi-Fi 6 (802.11ax) (must also support current and legacy formats) Wall mount outdoor/ruggedised Access point - internal antennas; Support controller based deployment with physical controller, cloud controller or controller embedded into the AP; *support 802.11a/b/g/n/ac radio technologies; * dual radio, 5GHz 802.11ax 2x2 MIMO and 2.4GHz 802.11ax 2x2 MIMO; *up to 256 associated client devices per radio; *Security: WPA, WPA2 and WPA3 – Enterprise, Radius; *supports minimum 4 SSIDs; *Ethernet wired network port (RJ-45) Auto-sensing link speed (10/100/1000BASE-T); *Power over ethernet - 802.3af/at PoE (class 3 or 4) ; *IP65 or higher weatherproof rating; Wall mount kit for outdoor AP	54			R -		



TVET CAMPUS CONNECTION PROJECT



3.2.5 In addition to the items to be priced as per above, SABEN will separately supply the following equipment to be installed at the respective campuses in the quantities specified in the table under paragraph 13.1:

- 3.2.5.1 UPS;
- 3.2.5.2 Security Gate;
- 3.2.5.3 6U Cabinet;
- 3.2.5.4 Controller;
- 3.2.5.5 Switches (8 and 12 port switches and SFPs (Small Form-Factor Pluggable Modules)); and
- 3.2.5.6 Masts.

3.3 SABEN requires pricing for the installation and support of the full list of items (Paragraph 3.3.3) at each of the identified college campuses (paragraph 3.3.1). pricing is to be provided as per Annexure 2.

3.3.1 The campus list for this college is:

RFQ No: SABEN 0004/2023	West Coast TVET College
	WCC – Atlantis / Cambium Networks WCC – Citrusdal / Cambium Networks WCC – Malmesbury / Cambium Networks WCC – Vredenburg / Cambium Networks WCC – Vredendal / Cambium Networks

3.3.2 Installation Typology requirements

- 3.3.2.1 Fibre connection between switches – RING typology
- 3.3.2.2 Cat 6 connection between switches and APs – STAR typology (one connection per AP)
- 3.3.3 Pricing is required for the full list of items at each of the identified college campuses as per the following table.

TVET CAMPUS CONNECTION PROJECT



#	Item	Minimum Specification	Price (ex VAT)	Completion of installation time (weeks)	Comments	Assurance of Compliance (insert 'COMPLY' to certify that the installation and support offered complies with the minimum specifications)
2	Site surveys	A site survey in conjunction with TVET staff of each campus to determine the optimum location, routing and installation required for the standard bill of materials. The site survey document (one per campus) will be generated as per a provided template. The site survey document will be countersigned by the College IT manager and submitted to the TCCP project team for verification.				
3	Cabinet installations	Assembly and installation of cabinets at agreed positions with associated power connection and the installation of connectors to cabinet equipment, connection of the single mode fibre optic cable (G657A2) 1310nm, 4 core terminating on 4 port fibre distribution boxes both sides and including 1m duplex LC-LC single mode optic fibre patch leads.				
4	Per meter cost for the supply, installation, and routing of inter-	Single mode fibre optic cable (G657A2) 1310nm - 4 core terminating on 4 port fibre distribution boxes both sides. Includes per meter for trenching and 30mm bosal pipe installs.		XXXXXXXXXX		



TVET CAMPUS CONNECTION PROJECT



#	Item	Minimum Specification	Price (ex VAT)	Completion of installation time (weeks)	Comments	Assurance of Compliance (insert 'COMPLY' to certify that the installation and support offered complies with the minimum specifications)
	cabinet/ switch fibre					
5	Cost for the splicing of fibre	Should cause maximum loss of between 0.1 and 0.5 dBm per splice		XXXXXXXXXX		
6	Cost for the core drill	Minimum of 30mm		XXXXXXXXXX		
7	Per meter cost for the supply, installation, crimping and routing of cabling between switches and access points	Outdoor: Category 6A Shielded twisted LAN pair cable CCA, UV protected, 4 pairs, outdoor use, grey; Indoor: Category 6A LAN pair cable CCA, 4 pairs, indoor use, grey; Cat 6A LAN point installation including labour, terminate on patch panel on server cabinet side and RJ45 on Wi-Fi AP side - max distance 80 m. includes connectors to cabinet equipment and APs (RJ45).		XXXXXXXXXX		
8	Installation and testing	The installation will be performed according to the approved site survey document. The Wi-Fi will be tested according to prescribed test procedures. The installation test pack will be countersigned by the College IT manager				



TVET CAMPUS CONNECTION PROJECT



#	Item	Minimum Specification	Price (ex VAT)	Completion of installation time (weeks)	Comments	Assurance of Compliance (insert 'COMPLY' to certify that the installation and support offered complies with the minimum specifications)
		(or equivalent) and provided to the TCCP team for approval. The installation and testing process will include the participation of college IT staff in order that they get exposure that will assist them in managing the network.				
9	Wi-Fi network configuration	The service provider will support the college with the logical design and configuration of the Wi-Fi network with multiple SSIDs. E.g., for academic staff, administration staff, students, and guests, each with a unique key. The network configuration process will include the participation of college IT staff in order that they get exposure that will assist them in managing the network.				
10	Support	The contracted service provider will provide 1-year support on the installation from the date of commissioning comprising an average of 12 hours of support per quarter over 12 months. The 12 hours will be a mixture of telephonic support and will include on average 1 site visit per quarter.				



TVET CAMPUS CONNECTION PROJECT



3.4 Lead Time, and Acceptance.

- 3.4.1 Completion times from placement of order to completion of the equipment supply and commissioning must be indicated in the quotation schedules. Times should be stated in weeks.
- 3.4.2 Inspection and acceptance of the equipment and services will be as per the College approvals.

3.5 Pricing terms

3.5.1 All quoted prices shall be fixed.

3.5.2 All prices shall be:

- 3.5.2.1 Quoted in South African Rand;
- 3.5.2.2 Valid for 90 days from the advertised final date for submission of the quotations;
- 3.5.2.3 Quoted exclusive of VAT; and
- 3.5.2.4 Quoted for provisioning at the identified college campuses.
- 3.5.2.5 Quoted inclusive of all taxes (excluding VAT), delivery costs, and duties at the identified college campuses.

3.5.3 Prices should be quoted after taking bulk discounts into account.

3.5.4 Non-firm prices (including prices subject to rates of exchange variations) will not be considered.

3.6 Invoicing and Payment

- 3.6.1 Invoicing will be permitted once the completion certificates are provided to SABEN as confirmed by the College as per the milestone table below.

Payment Milestone	#	Item	College provided certificate
A	1, 2	Delivery of the APs to the college and Site surveys	Equipment delivery and site survey and Installation Design Certificate (see paragraph 10)
B	3, 4, 5, 6, 7, 8 9	Installation and testing including <ul style="list-style-type: none">Cabinet installationsAll-inclusive per meter cost for the supply, installation and routing of inter-cabinet fibreAll-inclusive per meter cost for the supply, installation and routing of cabling between switches and access points Commissioning with the separate SSIDs and associated keys	Site Installation Acceptance Certificate (see Paragraph 11)

TVET CAMPUS CONNECTION PROJECT



Payment Milestone	#	Item	College provided certificate
C	10	Upfront support provisioning	Site Installation Acceptance Certificate (see paragraph 11) AND Cession of the Wi-Fi System Support Agreement (see paragraph 12)

3.6.2 Payment will be made 30 days from valid invoice.

3.6.3 The invoice(s) must reflect the correct purchase order number(s) and correct SABEN details. Incorrectly submitted invoices will delay payment.

3.7 Warranty, Maintenance and Support

3.7.1 Warranties on the equipment and workmanship shall be for a minimum period of one (1) year from delivery of equipment.

3.7.2 Hardware support in the installation and commissioning stage will require replacement of failed or faulty critical components by shipping back to the equipment provider by the college.

3.7.3 Quotations must be made on the basis that:

3.7.3.1 once the equipment is installed and commissioned at a site, the equipment will be donated to the TVET college, and the supplier's warranty will be ceded to the college for the balance of the warranty period; and that

3.7.3.2 the support agreement will be ceded to the college for the 1-year support period.

3.7.4 Vendors shall provide, in separate documents:

3.7.4.1 Datasheets for the proposed Access Points and controllers;

3.7.4.2 Supply, maintenance, and support evidence: **Two examples** of recent (previous 5 years), similar large orders and delivery performance thereof, including the:

- name, company, and cell number of a reference person,
- description of the installation and associated support provided.
- Capacity to provide services - **Original letters from clients regarding satisfactory supply, installation, testing and maintenance along with purchase orders.**

3.7.4.3 Financial Ability to execute project: the bidder is required to submit audited annual financial statements covering a period of the most recent three years OR each year since commencing business if less than three years old.

3.7.4.4 Staffing Profile and Competence: CVs including evidence for the following:

- Project Manager with (minimum) National Diploma (NQF level 6) in Information Technology, PMP/Prince II Certification and 5 years ICT Project management experience,
- OEM certified Technicians with (minimum) Wireless Network Certification and 2 years' experience

TVET CAMPUS CONNECTION PROJECT



4 Pricing template

- 4.1 SABEN requires that the pricing and associated information be provided in the spreadsheet titled “Annexure 2 Equipment, Installation and Support Costing”.
- 4.2 Both tabs of the spreadsheet shall be completed:
 - 4.2.1 Tab 1 - Equipment
 - 4.2.2 Tab 2 - Survey, installation, commissioning, and support
- 4.3 The Microsoft Excel Pricing spreadsheet shall be in the prescribed format, be readable and editable and not require a password. **Neither the structure nor the formatting of the spreadsheet shall be altered.**
- 4.4 **Data may only be inserted in the yellow shaded cells. No handwritten pricing data will be accepted.**
- 4.5 Include any comments or notes on the Price Template in the designated area.

5 Quotation Contents, Format and Submission

- 5.1 Quotations must be fully completed.
- 5.2 Quotations must be emailed to SABEN.
- 5.3 Quotations submitted in response to this RFQ must be in English. No handwritten quotations will be accepted.
- 5.4 Quotations must include the following:

#	Item	Mandatory	Format
1	Company Registration Certificate inclusive of the business address.	Yes	Copy
2	Current SARS certificate of Tax clearance PIN. No contracts will be awarded to a service provider who cannot provide a valid Tax Clearance Certificate at the time of contracting.	Yes	Copy
3	VAT registration certificate	Yes	Copy
4	BBBEE Certificate	No	Copy
5	Supply, maintenance, and support evidence inclusive of <ul style="list-style-type: none">2 references for similar work (see paragraph 3.7.4.2)	Yes	Signed document
6	Financial ability to execute the project (see paragraph 3.7.4.3)	Yes	Signed documents
7	Staffing Profile and Competence (see paragraph 3.7.4.4)	Yes	Signed documents

TVET CAMPUS CONNECTION PROJECT



#	Item	Mandatory	Format
8	Pricing (Annexure 2)	Yes	Completed Excel spreadsheet
9	Pricing (Annexure 2)	Yes	Signed PDF version of the completed spreadsheet
10	Datasheets for the proposed equipment (see paragraph 3.7.4.1)	Yes	PDF datasheets
11	Declaration by Proposer (Annexure 3)	Yes	Signed document

5.5 The electronic email pack shall:

5.5.1 Be attached to an Email sent to: rfq@saben.ac.za

5.5.2 The Email subject shall be **RFQ No: SABEN 0004/2023 / Company Name.**

5.5.3 The Email must be sent over Transport Layer Security (TLS) encryption.

5.5.4 The Email body shall contain the below table:

RFQ No: SABEN 0004/2023	
Submitting company name	
Authorised company representative	Name:
	Telephone number:
	Email address:

5.6 Automatic confirmation receipt of received Emails will be issued.

5.7 SABEN has an email receipt size limitation of 35 Mb. If the email is larger than this limit the email should be divided into separate parts before submission.

5.8 Closing time and date for submissions is 17:00 on 3 February 2023.

5.9 If there is a discrepancy between the pricing schedule PDF and Excel versions submitted, the PDF version will take precedence.

5.10 SABEN holds the right at its discretion to request documents from proposers that may have been omitted from the electronic proposal package after the closing time and date. Proposers are required to provide those documents within the timeframe as per the request from SABEN.

6 Evaluation Criteria

6.1 Where a proposal is not received by SABEN by the due date and time, it will be regarded as a late proposal. Late proposals will not be considered.

6.2 Mandatory document submission (as indicated in the table under paragraph 5.4 above) coupled with price competency and the ability to deliver as reflected in the signed 'Supply, maintenance, and support evidence' will be the final determining factors.

6.3 Price competency will be considered for the total price of all items.

TVET CAMPUS CONNECTION PROJECT



6.4 SABEN supports governments preferential procurement policy. The prevailing government 80/20 preferential pricing policy shall be applied for this RFQ.

6.5 Evaluation Grid

#	Item	Evaluation Criteria
A	Proposal received before deadline	Yes – evaluate further No – will not be evaluated
B MANDATORY DOCUMENTS		
1	Company Registration Certificate including proof of business address	Yes – evaluate further No – will not be evaluated further
2	Valid SARS certificate with a Tax clearance PIN	Yes – evaluate further No – will not be evaluated further
3	VAT registration certificate	Yes – evaluate further No – will not be evaluated further
4	BBBEE Certificate	Score to be used for the 80/20 price adjustment calculation
5	Supply, maintenance, and support evidence	Evaluation Score • 1 – partially relevant • 3 – relevant • 5 – highly relevant An overall score of 3 will be required for the proposal to be considered further
6	Financial ability to execute the project	Assessment as a going concern based on an assessment of the provided audited financial statements Yes – evaluate further No – will not be evaluated further
7	Staffing Profile and Competence	Evaluation Score • 1 – partially relevant • 3 – relevant • 5 – highly relevant An overall score of 3 will be required for the proposal to be considered further
8	Pricing (Annexure 2) EXCEL	Yes – evaluate further No – will not be evaluated further
9	Pricing (Annexure 2) PDF	Yes – evaluate further No – will not be evaluated further
10	Equipment data sheets	Yes – evaluate further No – will not be evaluated further
11	Declaration by Proposer (Annexure 3)	Yes – evaluate further No – will not be evaluated further
C EQUIPMENT, INSTALLATION AND SUPPORT PRICING		
Annexure 2: Spreadsheet Tab 1		Price for all components - Cheapest total price with adjustment for 80/20 preferential procurement policy
1	Equipment including delivery to campuses Proposers will be required to indicate on the equipment pricing schedule that the equipment offered meets or exceeds the required specification – the pricing for all components will only be evaluated for pricing if the equipment items are declared to be	



TVET CAMPUS CONNECTION PROJECT



#	Item	Evaluation Criteria
	compliant and this is confirmed by the datasheets	
Annexure 2: Spreadsheet Tab 2		
2	Site surveys	
3	Cabinet installations	
4	Per meter cost for the supply, installation and routing of inter-cabinet/ switch fibre	
5	Cost for the splicing of fibre	
6	Cost for the core drill	
7	Per meter cost for the supply, installation, and routing of cabling between switches and access points	
8	Installation and testing	
9	Wi-Fi network configuration	
10	Support	

7 Contracting

- 7.1 The contracting process for the successful service providers comprises the following:
- 7.1.1 On conclusion of the RFQ evaluation by the SABEN TCCP team, the college will be informed of the recommended service provider;
- 7.1.2 Once confirmed by the college, a service provider agreement will be signed by SABEN, the college and successful service provider. This agreement will cover two phases namely:
- 7.1.2.1 The equipment delivery, installation, testing, and commissioning phase; and
- 7.1.2.2 Support phase.
- 7.1.3 SABEN will then issue a Purchase Order to the service provider.
- 7.2 The service provider shall have no claims on the project or the college prior to the issue of the Purchase Order.

8 Clarifications

- 8.1 Requests for clarification shall:
- 8.1.1 Be made in writing by e-mail to queries@saben.ac.za (emails for clarifications should not be sent to the rfq@saben email address as these will not be responded to).
- 8.1.2 Include the subject line reference to the SABEN RFQ 0004/2023.
- 8.1.3 Be accepted by SABEN up until 15:00 on 23 January 2023.
- 8.1.4 Not be accepted telephonically.
- 8.2 SABEN shall respond to the requests within two (2) business days by posting such clarifications on the following website: <https://www.SABEN.ac.za>

TVET CAMPUS CONNECTION PROJECT



- 8.3 Any other contact with SABEN personnel involved in this RFQ is not permitted during the RFQ process other than as required through existing service arrangements or as requested by SABEN as part of the RFQ process.

9 SABEN Rights and Special Conditions

- 9.1 This RFQ is not and cannot in any way be interpreted as an offer to purchase, order, or contract by SABEN with any party responding to this RFP. By issuing this RFQ, SABEN is not making any undertaking to award a contract to any party and / or supplier submitting a response. In responding to this RFQ however, the party / supplier, makes an offer to supply products / services to SABEN and is bound by the terms of its offer contained in the RFQ.
- 9.2 SABEN may, at its own discretion:
- 9.2.1 Extend the closing date.
 - 9.2.2 Verify any information contained in a quotation.
 - 9.2.3 Request documentary proof regarding any quotation issue.
 - 9.2.4 Cancel or withdraw this RFQ as a whole or in part.
 - 9.2.5 Appoint one or more service providers.
 - 9.2.6 Award this RFQ as a whole or in part thereof.
 - 9.2.7 Retract purchase orders issued, at no cost to SABEN, if vendors do not deliver the network equipment in the committed timeframes.
- 9.3 Proposers shall bear all costs associated with the preparation and submission of quotation in response to this RFQ.
- 9.4 By submission of its quotation, proposers shall be deemed to have satisfied themselves with and to have accepted all Terms and Conditions of this RFQ.
- 9.5 SABEN reserves the right to negotiate terms of payment schedule.
- 9.6 SABEN makes no representation, warranty, assurance, guarantee or endorsements to responder concerning the RFQ, whether with regard to its accuracy, completeness or otherwise and SABEN shall have no liability towards the proposer or any other party in connection therewith.
- 9.7 SABEN accepts that all quotations are submitted in good faith and that all information provided by the proposer(s) is accurate and true for the purpose of selecting the most technical and financially feasible solutions applicable to our requirements.
- 9.8 SABEN reserves the right not to issue regret letters or communication to unsuccessful proposers.
- 9.9 SABEN reserves the right not to disclose any reasons, for not awarding the RFQ to unsuccessful proposers.
- 9.10 Quotations will not be returned to the submitting companies.
- 9.11 Orders placed following this RFQ process will be subject to the SABEN Standard Terms and Standard Conditions of Purchase (Annexure 1).
- 9.12 The supplier shall under no circumstances offer, promise, or make any gift, payment, loan, reward, inducement, benefit, or other advantage, which may be construed as being

TVET CAMPUS CONNECTION PROJECT



made to solicit any favour, to any SABEN employee or its representatives. Such an act shall constitute a material breach of the Agreement and SABEN shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights.

- 9.13 No goods and/or services should be delivered to SABEN without an official purchase order. The SABEN purchase order must be quoted on the invoice. Invoices without SABEN purchase order numbers will be returned to the supplier.
- 9.14 If there is a discrepancy between the submitted hard copy and the electronic version, the hard copy will take precedence.
- 9.15 Proposals/ quotations submitted by companies must be signed by a person or persons duly authorised.

TVET CAMPUS CONNECTION PROJECT



10 Equipment delivery and site survey and Installation Design Certificate

TVET Colleges Connection Project (TCCP) Wi-Fi Site Survey Confirmation Certificate RFQ No: SABEN 0004/2023 West Coast TVET College

WCC – Atlantis / Cambium Networks

WCC – Citrusdal / Cambium Networks

WCC – Malmesbury / Cambium Networks

WCC – Vredenburg / Cambium Networks

WCC – Vredendal / Cambium Networks

It is hereby confirmed that the **equipment delivery to campuses** and **site surveys for the abovementioned campuses** have been satisfactorily completed by the appointed service provider with the participation of the College and that the installation can proceed based on the accompanying documentation and the provided bill of materials for each campus.

The documents indicate:

- a) Delivered equipment
- b) As is wi-fi network layouts
- c) To be installation document including diagrams
 - a. Heat maps for Wi-Fi installation
 - b. Position of cabinets, switches, UPS, indoor APs, outdoor APs, and masts (if applicable)
 - c. Inter switch fibre routes and distances in meters
 - d. Switch to AP routes and distances in meters

For	Designation	Name	Date	Signature
Service Provider				
College IT department				
College management				

TVET CAMPUS CONNECTION PROJECT



11 Site Installation Acceptance Certificate

TVET Colleges Connection Project (TCCP) Wi-Fi Site Installation Acceptance Certificate RFQ No: SABEN 0004/2023 West Coast TVET College

WCC – Atlantis / Cambium Networks

WCC – Citrusdal / Cambium Networks

WCC – Malmesbury / Cambium Networks

WCC – Vredenburg / Cambium Networks

WCC – Vredendal / Cambium Networks

It is hereby confirmed that the site installation and testing for the abovementioned campuses has been satisfactorily completed by the appointed service provider.

The completed installation testing included the following items:

- a) Customer Acceptance Testing Plan and sign off
 - a. Test Case
 - b. Signal coverage
 - c. Performance
 - d. In-motion SSID Connectivity
 - e. Frequency Band
 - f. Security Vulnerability
 - g. WLAN Controller access
- b) Installation Standards checklist and sign off
 - a. Labelling
 - b. Cabling
 - c. Workmanship
 - d. Skills transfer/training
- c) As built documentation sign off
 - a. Layout and physical location against the to-be design
 - b. Configuration files

The detailed and signed checklists are attached.

For	Designation	Name	Date	Signature
Service Provider				
College IT department				
College management				

TVET CAMPUS CONNECTION PROJECT



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



TVET CAMPUS CONNECTION PROJECT



12 Cession of the Wi-Fi System Support Agreement

The installation and support provider has accepted their said contract on the basis that SABEN is ceding the remaining the support on the installation to the INSTITUTION.

Acceptance of the ceded support agreement by the INSTITUTION is hereby confirmed

SIGNATURES

SIGNED for the _____ (Service Provider) at _____ this _____ day of _____ 20____

the signatory warranting that s/he is duly authorised thereto.

Name _____, Signature _____

AS WITNESSES:

1 _____

2 _____

SIGNED for the INSTITUTION at _____ this _____ day of _____ 20____

the signatory warranting that s/he is duly authorised thereto.

Name _____, Signature _____

AS WITNESSES:

1 _____

2 _____

SIGNED for SABEN at _____ this _____ day of _____ 20____

the signatory warranting that s/he is duly authorised thereto.

Name _____, Signature _____

AS WITNESSES:

1 _____

2 _____

TVET CAMPUS CONNECTION PROJECT



13 Equipment – Standard Bill of Materials for installation per campus

13.1 Installation and support is required for the following number of items per campus

College / Campus	Provided under this RFQ		Provided by SABEN					
	AP - Indoor	AP – Outdoor	UPS	Trellidor	6U Cabinet	8 Switch	12 Switch	Masts
West Coast TVET College (Cambium Networks)	31	54	5	5	16	13	5	54
WCC - Vredenburg	5	11	1	1	4	6		11
WCC - Vredendal	10	11	1	1	5	3	2	11
WCC - Atlantis	4	9	1	1	3	3		9
WCC - Citrusdal	5	10	1	1	1	1		10
WCC - Central/Malmesbury	7	13	1	1	3		3	13

14 College Specific Data Annexure

14.1 The diagrams and tables in the annexure set out the data for each college campus preliminary site survey and associated Bill of Materials for which quotations are invited.

14.2 Preliminary Site Survey Plans

Legend

Blue cross	Switch
Orange line	Fibre connection between switches
Green symbol	Outdoor AP
Orange Symbol	Indoor AP

TVET CAMPUS CONNECTION PROJECT

Atlantis campus



Site 2 Construction campus



TVET CAMPUS CONNECTION PROJECT



Citrusdal campus



TVET CAMPUS CONNECTION PROJECT



Malmsbury campus



TVET CAMPUS CONNECTION PROJECT



Vredenburg campus



TVET CAMPUS CONNECTION PROJECT



Vredendal Campus



End of RFQ