



Request for Quotations

RFQ NUMBER:	API01REQ002263
CLOSING DATE:	Date: 07-March-2025 Time: 16:00
DESCRIPTION	Computer Network Cabling Installation and Electrical Requirement
ADDRESS	API - Animal Nutrition and Products Roodeplaat Experimental Farm Roodeplaat 0030
ENQUIRY	Name: Ngoako Waleng Supply Chain Management Email: WalengN@arc.agric.za
COMPULSORY SITE BRIEFING	Date: 04 March 2025 Venue: ARC-AP Roodeplaat Experimental Farm R573 and Moloto Road; Roodeplaat; 0030 Time: 11:00
Special Condition	None

Computer Network Cabling Installation and Electrical Requirement:

1. You are kindly requested to submit a written quotation to the Agricultural Research Council as per the below or attached terms of reference (TOR).

Description	Quantity	Unit of Measure
Computer Network Cabling Installation and Electrical Requirement	1	EA

COMPUTER NETWORK CABLING INSTALLATION AND ELECTRICAL REQUIREMENT SPECIFICATION

ITEM	DETAILED SPECIFICATIONS	COMPLY YES/NO
1. Cabling	The cabling standard that needs to be used is the Molex standard.	
	Cat6e cable needs to be used.	
	All floor points need to be terminated onto a patch panel (Molex).	
	All floor points need to be marked on the patch panel with the floor point number.	
	The floor points need to be marked.	
	All patch leads are to be labeled on both ends.	
	All patch leads to have boots.	
	Patch leads to be grouped (Not more than 4 in a group)	
	A complete Floor Network diagram needs to be drawn up that shows all installed network points.	
	Each point needs to be tested and the test results made available in the following preferred formats: Portable Document Format (PDF) and Microsoft Visio.	
	The connection between switch cabinets needs to be Single Mode Fibre (Daisy-Chained to the closest switch in the next building)	
	The fibre must be terminated on LC-LC Connectors.	
	The Network Cable color Standard is Grey.	
	Additional Patch leads need to be supplied as follows: 1.5 Meters = 20 each (Quantity) 3 Meters = 20 (Quantity) 5 Meters = 20 (Quantity)	

2. Cabinet	The front and back doors need to be perforated for the Distribution switch.	
	The Switch Cabinets must be a 9U with a depth of 700 mm. The cabinets must have a fan inside.	
	The Switch Cabinet has to be mounted onto a wall preferably brick. (The location of the Switch Cabinet will be determined during the Compulsory Site Visit)	
	The Cabinet is to be connected to at least UPS power. (UPS and Generator power feeds are both required)	
	The Cabinet should be labeled and the name will be the deployment location e.g. VIMP_Pathology_Switch Cabinet, VIMP_RFI_Switch Cabinet, VIMP_Hydroponics_Switch Cabinet, etc.	
	The Cabinet has to be lockable.	
	The Floor Plan drawing needs to be mounted in a Perspex holder next to the installed cabinet.	
	Switch Cabinet Layout Sequence: Brush Panel Splice Tray Brush Panel Patch Panel Brush Panel Lightning Protection Brush Panel Switches/s Blanking Plate/s.	
	Blanking Plates will fill all blank spaces in the Switch Cabinet.	
	All equipment to be fastened by nuts (Switch, Brush Panels, and Blanking Plates)	
	All carriage nuts are to be of the same type.	
	All Fibre connections are to be clearly marked on the Splice Tray and the Patch Panel.	
	All Fibre Patch Leads are to be marked at the patch panel and the Splice Tray.	
	Trunking needs to be installed for all installed Data cables if trunking does not exist. (This will be determined during the Compulsory Site Visit)	
	There must be Two Power Socket Panels for the Switch Cabinet.	
	A UPS power plug and a normal power plug need to be provided.	
3. Floor Diagram	A Floor Diagram in the Microsoft Visio or Portable Document Format (PDF).	
	The floor diagram needs to indicate where each network point is installed.	
	Each network point on the floor plan must correspond to the installed network.	
	The network cabinet for that floor must also be marked.	
	Office numbers on the drawing are essential.	

4. Lightning/Surge Protection	Cabinets to be earthed.	
	Lightning protection needs to be installed between the patch panel and the switch as per the above defined mentioned layout.	
	The lightning protection needs to facilitate power over Ethernet (POE) and a minimum bandwidth of 1000 Mbps per port (1 Gbps).	
	An electrician needs to earth the Cabinet to the nearest Buz Bar.	
	Every Cabinet that is installed must be earthed.	
	This is done with a 4mm PVC insulated earth wire. It is to be properly secured in the Cabinet to an area that is NOT powder coated. Some Cabinets suppliers will provide an earth point (to be verified during the compulsory site visit)	
	The other end of the earth cable must be bonded to either the earth bar in the closest electrical DB or to an earth bar installed at the cabinet.	
	Ideally, you should make use of crimped lugs on both ends of the cable.	
	YOU MAY NOT earth on to the power skirting	
	YOU MAY NOT earth onto the back of any electrical outlet (even if it is dedicated)	
	YOU MAY NOT earth on to Water pipes or anything else you may consider to be earth.	
5. Electricity	Separate trunking needs to be installed for the electricity cabling.	
	There must be a direct UPS feed to the switch.	
6. UPS	In the case of power failure, the generator needs to take the load.	
	The UPS needs to bridge the gap between power failure and the generator running under full load.	
7. Air Conditioning	The air conditioner needs to keep an ambient temperature of 20°C.	
	The operation time of the air conditioner is 24/7, 365.	
	Generator power needs to be supplied to the air conditioner.	
	The air conditioner should not be connected to the UPS.	

ADDITIONAL NETWORK AND FIBRE REQUIREMENTS

NETWORK REQUIREMENTS:

Quantity	Description	Comply YES/NO
1	9U Network Cabinet with a depth of 700mm.	
2	Planking Plates	
4	Brush Panels	
1	Splice Tray	
1	2 kVA UPS (Online with C13 – C14 Power Cables for the switch)	
1	24 ports ClearLine Lighting Protection Unit	

FIBRE REQUIREMENTS

Quantity	Description	Comply YES/NO
1	110 mm PVC casing for the Fibre <i>(The length of the PVC casing to be determined during the compulsory site visit)</i>	
1	Single Mode 4 Core Fibre <i>(This will provide the connectivity between the 2 switches and the length of the Fibre to be determined during the compulsory site visit)</i>	
2	1 Gbps Single Mode SFPs (mini-GBIC) Transceiver Module, Connectivity Technology: Wired Cabling Type: 1000Base-LX, Fibre Type: SMF	
2	1.5m LC/LC Fibre Patch Leads Single Mode	
1	LC Panel	

FIBRE INSTALLATION ADDITIONAL REQUIREMENTS:

- Splicing is required for all cores.
- Trenching will be required for the new Fibre route or installation or use an existing route if there is one.
(This will be determined during the Compulsory site visit)

SWITCH SPECIFICATION:

Part no.	Quantity	Description	Comply YES/NO
5320-24P-8XE	1	5320 24x10/100/1000Base-T PoE+ ports 8x1GbE SFP ports upgradeable to 10G SFP+ MACsec capable 1 Fixed AC PSU Fans.	
95504-5320-24P-8XE	1	PW NBD AHR 5320-24P-8XE	
10035	1	Pwr Cord,10A,BS546,IEC320-C13	

DISQUALIFICATION/ ELIMINATION CRITERIA:

- Failure to comply with the specification above.
- Failure to provide a Company Profile and relevant experience in computer network cabling installation and electrical requirement. Minimum of three (03) contactable references and reference letters from previous relevant projects not older than 5 years.

ARC reserves the right to accept or reject any proposal and is not obligated to award the contract to the lowest bidder.

2. Essential Administrative Requirements:

- 2.1. Only bidders registered on the Central Supplier Database (CSD) will be considered. Bidders shall include the CSD registration number and full CSD report with the bid proposal.
- 2.2. Only bidders that claim specific goals will be considered for scoring on the 20 points as per the 80/20 principle.
- 2.3. Completed and signed Standard Bidding Documents (SBD) forms included in the bid document.
- 2.4. Submission should be sent to WalengN@arc.agric.za
3. The above-specified goods/services should be delivered/rendered to the ARC- Institute at the above-mentioned delivery address.
4. The particulars of the guarantee that will apply to the goods quoted, with particular regard to the period and extent of the warranty must be clearly stated. Where services are required, service providers must submit documentation pertaining to the relevant experience.
5. Your written quotation must be emailed depending on the instructions given in the email or advert.
6. All price quotations that have a rand value of R 2,000.00 to below R 50,000,000.00, including VAT, will be evaluated by applying the 80/20 principle as prescribed by the Preferential Procurement Policy Framework Act 5 of 2022 and its Regulations.
7. The lowest acceptable price will score 80 points, Specific goals for the tender and points claimed are indicated in the table below:

Specific Goals	Percentage Ownership (1%)	Points (20)	Ponts (10)
Ownership by HDIs	51%+	6	3
Ownership by Women	51%+	4	2
Ownership by Youth	51%+	4	2
Ownership by PwD	51%+	2	1
BEE Status	Level 1 - 4	2	1
RDP Goals	Any Goal/s	2	1
TOTAL POINTS		20	10

8. Standard conditions:

- 8.1 The validity of the quotations must be indicated.
- 8.2 Prices quoted should be in South African Rand and inclusive of VAT costs such as delivery, insurance, taxes, etc.
- 8.3 No price adjustments or amendment of the delivery particulars contained in paragraph 8.2 will be considered by the ARC.

- 8.4 The supplier accepts full responsibility for the proper execution and fulfillment of the goods/services quoted.
- 8.5 ARC reserves the right to accept or reject any special terms and conditions that may qualify the goods/services to be provided.
- 8.6 Quotes should be submitted on official letterhead and duly signed.
- 8.7 Goods and services should be supplied/ rendered upon receipt of a purchase order from the ARC.
- 8.8 The General Conditions of Contract issued by the National Treasury are applicable.
- 8.9 The ARC supply chain management code of conduct is applicable.
- 8.10 Standard Bidding Documents (SBD) forms must be signed and returned together with the quotation. Failure to comply may result in disqualification of your quotation.
- 8.11 Your quotation must indicate the delivery date.
- 8.12 The ARC reserves the right to do due diligence on the quotations.
- 8.13 The ARC reserves the right to benchmark prices quoted.

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

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

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

1. GENERAL CONDITIONS

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

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

1.2 **To be completed by the organ of state**

(delete whichever is not applicable for this tender).

- a) The applicable preference point system for this tender is the 90/10 preference point system.
- b) The applicable preference point system for this tender is the 80/20 preference point system.
- c) Either the 90/10 or 80/20 preference point system will be applicable in this tender. The lowest/highest acceptable tender will be used to determine the accurate system once tenders are received.

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

Price; and
Specific Goals.

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

The maximum points for this tender are allocated as follows:

- Ps = Points scored for the price of the tender under consideration.
- Pt = Price of tender under consideration
- Pmax = Price of highest acceptable tender

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	100

- 1.1 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender will be interpreted to mean that preference points for specific goals are not claimed.
- 1.2 The organ of state reserves the right to require a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim regarding preferences, in any manner required by the organ of state.

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

80/20

or

90/10

$$Ps = 80 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right) \text{ or } Ps = 90 \left(1 - \frac{Pt - P_{min}}{P_{min}} \right)$$

Where

Ps = Points scored for the price of the tender under consideration.
Pt = Price of tender under consideration
Pmin = Price of lowest acceptable tender

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

3.1.1. POINTS AWARDED FOR PRICE

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

$$Ps = 80 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right) \text{ or } Ps = 90 \left(1 + \frac{Pt - P_{max}}{P_{max}} \right)$$

3. POINTS AWARDED FOR SPECIFIC GOALS

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

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

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

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

Specific goals	Number of points allocated (90/10 system) (To be completed by the organ of state)	Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (90/10 system) (To be completed by the tenderer)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Percentage (%) Ownership by HDI's		Points (6)		
51% and above		6		
Below 51%				
Percentage (%) Ownership by Women		Points (4)		
51% and above		4		
Below 51%				
Percentage (%) Ownership by Youth		Points (4)		
51% and above		4		
Below 51%				
Percentage (%) Ownership by PwD		Points (2)		
51% and above		2		
Below 51%				
RDP Goals		Points (2)		
Any RDP Goal/s		2		
BEE Status		Points (2)		
Level 1-4		2		

DECLARATION WITH REGARDS TO COMPANY/FIRM

- 3.1. Name of company/firm.....
- 3.2. Company registration number:
- 3.3. TYPE OF COMPANY/ FIRM

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

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

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of the contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have -
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses, or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages that it has suffered as a result of having to make less favorable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders, and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:

DATE:

ADDRESS:

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

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

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

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

Full Name	Identity Number	Name of State institution

- 2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**
- 2.2.1 If so, furnish particulars:
.....
.....
- 2.3 Does the bidder or any of its directors/ trustees/ shareholders/ members/ partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**
- 2.3.1 If so, furnish particulars:
.....
.....

3 DECLARATION

- I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:
- 3.1 I have read and understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation , communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid , bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, 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 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.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by

2 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.

.....	
... Signature	Date
.....	
... Position	Name of bidder