ARC INFRUITEC - NIETVOORBIJ

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OFFICE OF THE SUPPLY CHAIN MANAGEMENT

1.1 DESCRIPTION OF SERVICE: COLD PLASMA UNIT

BACKGROUND: Plasma system is a novel postharvest strategy which is essential to undertake non-thermal treatments for heat sensitive materials. Plasma technology offers solutions for every type of contamination, for every substrate and for every after-treatment. Molecular contamination residues are also broken down in the process. This will be of value to all current projects and new projects. A plasma unit works under atmospheric condition will leads to an increase in quality in production through surface activation and/or cleaning and provide a wide range of application for multidisciplinary research.

PURPOSE: Cold plasma which works under atmospheric condition is used in laboratory to decontaminate and modify electrically conductive materials. This unit can be used for pre -treatment of a wide variety of surfaces, such as cleaning and activating to ensure quality, microbial safety, surface morphology, and activation research and development activities. However, coating and inactivation is more effective and the plasma jet with a wide treatment contact range.

SCOPE OF WORK: The plasma system will be used to treat, decontaminate, disinfect, activate and modify fresh and dried agricultural products, packaging material (edible or flexible materials).

SPECIFICATION	**Comply with specification. Please indicate (Yes or No)**		
	Yes	**No**	**If no, indicate deviation**
Cold plasma			

• **Electrical connection:** 24 V DC
• **Power consumption:** max. 18 W
• **Weight:** approximately 380 g
• **Design:** Integration unit with gas connection
• **Plasma temperature:** < 50 °C
• **Typical treatment speeds:**
  • Finest cleaning: 1-15 mm/s
  • Bonding processes: 10-150 mm/s
  • Printing processes: 100-1500 mm/s
• **Typical treatment distance:** 2 – 10 mm
• **Typical treatment width:** 5 – 29 mm			

Modules: Multigas Typical Working distance: 2 - 20 mm Typical Activation width: ~ 5 - 15 mm Gas types: Argon, helium, nitrogen Suitable for both conductive and non-conductive materials: Yes			
Modules: Standard			

Typical Working distance: 2 - 10 mm Typical Activation width: ~ 5 - 29 mm (air), ~ 5 - 50 mm (nitrogen) Gas types: Air, nitrogen Suitable for both conductive and non-conductive materials: Yes			
Stand: can be clamped into this stand to enable hands-free plasma treatment. Dimensions: ~ (W x H x D): 77.25 mm x 189.8 mm x 178.25 mm			
GENERAL CONDITIONS FOR THE PURCHASE ORDER AGREEMENT			

Cold plasma unit

Module: standard

Module: multigas

Stand

1.2 PRICING SCHEDULE

Item description	QTY	Unit price	Total Price
1. Cold Plasma	1		
Other: Delivery to ARC Infruitec, Postharvest and Agro-Processing Technologies Research team, Agri-Food Systems and Omics laboratory, 3 Lelie st, Stellenbosch.	**1**		
		SUBTOTAL	
		VAT	
		GRANDTOTAL	

1. The specification prepared by ……..

Name: Zinash A Belay

Date: 15/12/2022

Signature:

2. The specification approved by commodity specialist ……..

Name: Neliswa Matrose

Date: 15/12/2022

Signature **……**

3. The specification Endorsed by facility / SCM / Research specialist when necessary ……..

Name ……

Date……

Signature……

This is applicable to designated sector commodities

1 MINIMUM LOCAL PRODUCTION CONTENT REQUIREMENTS STAGE ONE

In terms of the National Treasury Designated Sectors Instruction Number 15 of 2017/2018;" National Treasury designated sectors circular No1 of 2017/18- Invitation and evaluation of bids based on a stipulated minimum threshold for local production and content for the residential electricity and water meters."

Components for Construction which stipulates the minimum threshold for local content and production of Electricity and water meters and SBD 6.2 and relevant annexures forming part of this document is to be adhered to as shown on table below:

TABLE

METERING DEVICE	Components	Local Content Threshold

EVALUATION PROCESS & CRITERIA STAGE ONE FOR ……..……

ADMINISTRATIVE COMPLIANCE EVALUATION OF ALL PROPOSALS

	Comply with specification. Please indicate (Yes or No)		
	Yes	**No**	**If no, indicate deviation**
EVALUATION PROCESS: NB: It must be noted that ARC reserve the rights to request for clarification if all the below questions are not answered properly.			
<u>STAGE ONE: ADMINISTRATION COMPLIANCE</u>			
All suppliers are duly lodged will be examined to determine compliance with quoting requirements and conditions. Quotes with obvious deviations from the requirements/conditions, **will be eliminated or disqualified from further adjudication.** **(a) Mandatory** Quotes will only be compliant if supplier has submitted the following documents:			
Administrative documents **1.** According to National Treasury SCM Instruction number 4 of 2016/2017, only suppliers who are registered on Central Supplier Database (CSD) may be appointed. Suppliers is therefore encourage to register their entities on CSD, www.csd.gov.za and such information will be verified through Central Supply Database (CSD);			
2. All SBD documents must be submitted and completed;			
3. The supplier must comply with all the specification			
4. Contact Details, VAT number, Company registration number, Bank details must be appended on the supplier quote.			
(b) Non-Mandatory • Valid B-BBEE certificate or sworn affidavit certify by commissioner of oaths.			

Delivery Address: ARC Infruitec Nietvoorbij, Helshoogte Road, Stellenbosch

SUPPLIER'S DETAILS:

Company Name: …….

Contact person: ……

Contact number & Email: …….

Date & Signature: ……

Arc Contact: Name ……., email……. Tel, …….

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Excellence in Research and Development

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

2. Bidder's declaration

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

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

Full Name	**Identity Number**	**Name of State institution**

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

2.2 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 I understand the contents of this disclosure;

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium2 will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, 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

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 executaion of a contract.

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 FALSE.

…… ……
Signature Date

…… ……
Position Name of bidder

SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

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1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to all bids:

- 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

a) The value of this bid is estimated to not exceed R50 000 000 (all applicable taxes included) and therefore the 80/20 preference point system shall be applicable; or

b) Either the 80/20 or 90/10 preference point system will be applicable to this tender (*delete whichever is not applicable for this tender*).

1.3 Points for this bid shall be awarded for:

(a) Price; and

(b) B-BBEE Status Level of Contributor.

1.4 The maximum points for this bid are allocated as follows:

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	**100**

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.

2. DEFINITIONS

(a) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;

(b) "**B-BBEE status level of contributor"** means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;

(c) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;

(d) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);

(e) **"EME"** means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;

(f) **"functionality"** means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.

(g) **"prices"** includes all applicable taxes less all unconditional discounts;

(h) **"proof of B-BBEE status level of contributor"** means:

B-BBEE Status level certificate issued by an authorized body or person;

A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;

Any other requirement prescribed in terms of the B-BBEE Act;

(i) **"QSE"** means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;

(j) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

3.1 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**

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

Where

Ps = Points scored for price of bid under consideration

Pt = Price of bid under consideration

Pmin = Price of lowest acceptable bid

4. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

4.1 In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points	Number of points

	(90/10 system)	(80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

5. BID DECLARATION

5.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

6. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

6.1 B-BBEE Status Level of Contributor: . = ……(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

7.1 Will any portion of the contract be sub-contracted?

(***Tick applicable box***)

YES		NO	

7.1.1 If yes, indicate:

i) What percentage of the contract will be subcontracted.....……%
ii) The name of the sub-contractor……..
iii) The B-BBEE status level of the sub-contractor.....……..
iv) Whether the sub-contractor is an EME or QSE
(Tick applicable box)

YES		NO	

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

Designated Group: An EME or QSE which is at last 51% owned by:	**EME**	**QSE**
	√	√

Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

8. **DECLARATION WITH REGARD TO COMPANY/FIRM**

8.1 Name of company/firm:……..

8.2 VAT registration number:……..……

8.3 Company registration number:……..……..…….

8.4 TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One person business/sole propriety
- ☐ Close corporation
- ☐ Company
- ☐ (Pty) Limited

[TICK APPLICABLE BOX]

8.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

……
……
……
……..

8.6 COMPANY CLASSIFICATION

- ☐ Manufacturer
- ☐ Supplier
- ☐ Professional service provider
- ☐ Other service providers, e.g. transporter, etc.

[*TICK APPLICABLE BOX*]

8.7 Total number of years the company/firm has been in business:……

8.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we 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 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;

iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

(a) disqualify the person from the bidding process;

(b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;

(c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;

(d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury 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

WITNESSES 1. ……. 2. ……	……. SIGNATURE(S) OF BIDDERS(S) DATE: ……..