



iThemba LABS
 Laboratory for Accelerator Based Sciences

PO Box 722
 Somerset West
 7129
 South Africa
 Tel: 021 843 1000
 Fax: 021 843 3525
 Int. Code: +27
 Email: scm3@tlabs.ac.za
<http://www.tlabs.ac.za>

REQUEST FOR QUOTATION (RFQ)

Supplier Name:

GOODS **SERVICE**

Request for Quotation Number	iLABS/RFQ 2024/25:133
Date Issued:	5 November 2024
Description of Services/ Goods:	Supply and delivery of components to University of the Witwatersrand, Gauteng Full Specification on page 4
Closing Date:	14 November 2024
Closing Time:	11h00am
Delivery Address:	University of the Witwatersrand, Faculty of Science, Physics Building East Campus, 1 Jan Smuts Avenue, Braamfontein 2000, Johannesburg, South Africa
Submit RFQ to:	Scm3@tlabs.ac.za (quote must be submitted via email only)
Date Goods or Service Required:	ASAP
For More Information (Technical):	Email: scm3@tlabs.ac.za
For More Information (Supply Chain Management):	Email: scm3@tlabs.ac.za

THE FOLLOWING CONDITIONS WILL APPLY:

- **Where quotations/proposals are R 2 000.00 or more, the preferential Procurement System Applicable is 80/20**
- **Price(s) quoted must be valid for at least sixty (60) days from closing date of the RFQ.**

- Price(s) quoted must be firm and must be inclusive of VAT.
- **No advance payment without a payment guarantee**
- **Payment terms are 30 days from date if invoice received**
- A firm delivery period **must** be indicated.
- Late proposals/quotations / bids will not be accepted.
- **Submit your B - BBEE Certificate as accredited with SANAS or Sworn affidavit if you are claiming for specific goals.**
- **Bidder / service provider / supplier that fails to provide mandatory RFQ requirements may be disqualified.**
- **Changes made by the / service provider/supplier to the RFQ template and its terms and conditions will not be considered after the closing date and time**
- Provide CSD Summary Report (www.csd.gov.za)
- The attached forms to be completed by the Bidder (where applicable):
 - SBD 4 – Bidder disclose
 - SBD 6.1 – Preference Points Claim (South African Companies Only)
- This request for formal quotation is subject to the Preferential Procurement Policy Framework Act (PPPFA) and The Preferential Procurement Regulations, 2022, **The General Conditions of Contract (GCC and, if applicable, any other special Conditions of Contract.**

REGISTRATION ON THE CENTRAL SUPPLIER DATABASE (CSD):

The bidder must be on the National Treasury's Central Supplier Database in order to do business with the NRF and for the NRF to award a bid and sign the subsequent contract. Registration on the CSD (www.csd.gov.za) is compulsory and bids from unregistered bidders are not considered.

National Treasury Contact Details: +27 (0) 12 406 9222 or email csd.support@treasury.gov.za

<h3>SCHEDULE 1 - SPECIFICATION</h3>
--

Introduction to the NRF

The National Research Foundation ("NRF") is a juristic person established in terms of the National Research Foundation Act, Act 23 of 1998, and a Schedule 3A Public Entity in terms of the Public Finance Management Act. The NRF is the government's national agency responsible for promoting and supporting research and human capital development through funding researchers, provision of the National Research Platforms, and science outreach platforms/programs to the broader community. The NRF provides these services in all fields of science and technology, including natural science, engineering, social science, and humanities.

The NRF is a schedule 3A entity under the PFMA (Act 29 of 1999), which is required to plan and report on its activities and organizational performance, and which is to be audited by the AGSA on an annual basis. As part of the AGSA audit requirements, the NRF has to collect / document and store details, data and/or information of all persons and activities that form part of its performance record as proof thereof. In terms of this requirement, all persons making use of NRF facilities, platforms, equipment, tools etc., for research and related purposes are required to provide their personal details/data/information as per the template below or other similarly appropriate format. By completing your information in the template/register/record below and appending your signature thereto, you confirm your consent, in line with the Protection of Personal Information Act 4 of 2013, whereby the NRF and any of its business units may process (collect, receive, record, organize, collate, share, store, update, modify, retrieve, alter,

consult, use, disseminate, distribute, merge, link, erase or destroy) the personal information you provide within and amongst its business units/functions for the purpose of fulfilling its statutory mandate, public accountability and other regulatory/legal requirements.

Introduction to the Business Unit responsible for this RFQ

iThemba LABS (Laboratory for Accelerator-Based Sciences) is a multi-disciplinary research laboratory based at two sites in the Western Cape and Gauteng respectively, these provide facilities for:

- Basic and applied nuclear physics research using particle beams
- Research Radiation Biophysics
- The supply of accelerator-produced radioactive isotopes for nuclear medicine and research

Evaluation Process

- Evaluation of proposals:

All proposals will be evaluated by Supply Chain Management for administrative compliance, functionality, price and B-BBEE. Based on the results of the evaluation process and upon successful negotiations, iThemba LABS will approve the awarding of the contract to the successful bidder.

- Preference points system:

The 80/20 preference point system will be used where 80 points will be dedicated to price and 20 points to B-BBEE status. "If all bids received are more than R 1 000 000.00, this request is automatically cancelled".

Subject to section 2(1)(f) of the PPPFA, the contract will be awarded to the tenderer scoring the highest points.

Supplier Response

Name of Supplier:	
Address of Supplier:	
Contact Person:	
Contact Tel:	
Email Address:	
CSD Supplier Number:	MAAA.....
Lead Time for delivery	
Currency:	ZAR
Payment terms:	30 days from the date of receiving the invoice

<u>Administrative Compliance Returnable Documents</u> (M – Mandatory); (O – Optional)	Submitted	
Bidders Disclosure (SBD 4), signed and completed.	M	<input type="checkbox"/> Yes <input type="checkbox"/> No
Preference Points Claimed (SBD 6.1), signed and completed with BBEE certificate or sworn affidavit (applicable for local bidders).	O	<input type="checkbox"/> Yes <input type="checkbox"/> No
Original equipment datasheet / specification sheet	M	<input type="checkbox"/> Yes <input type="checkbox"/> No
(M – Mandatory); (O – Optional)	Submitted	
Pricing completed	M	<input type="checkbox"/> Yes <input type="checkbox"/> No

SPECIFICATIONS:

iThemba LABS invites service providers to submit quotations as per following specifications:

- Bidders are required to quote for exact item of equivalent to.

1. **Line item 1)** RS PRO Bubble Wrap 500mm(W)x 50m(L) (356-2315) (or equivalent)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 356-2315

Specifications:

Packaging Type	Bubble Wrap
Type	Roll
Colour	Pink
Length	50m
Thickness	6mm
Width	500mm
Dissipative	Yes
Conductive	No
Closure Type	Heat Seal
Static Shielding	No
Complies with EN 61340-5-1	Yes
Surface Resistance	10[^]10Ω

2. **Line item 2)** RS PRO Silicone Thermal Grease, 3W/m·K (180-5302)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 180-5302

Specifications:

Attribute	Value
Thermal Conductivity	3W/m·K
Material	Silicone
Maximum Operating Temperature	+200°C

Attribute	Value
Minimum Operating Temperature	-50°C
Pack Size	55 ml
Physical State	Thermal Putty
Operating Temperature Range	-50 → +200 °C

3. **Line item 3)** Kimberly Clark KIMTECH Science Dry Cleanroom Wipes, Box of 196 (475-3944)

Quantity : 10

Manufacture : Kimberly Clark

Manufacture part number: 7551

Specifications:

Attribute	Value
Wipe Type	Cleanroom Wipes
Application	Clean Environments, Food Industry, Pharmaceutical
Wet/Dry	Dry
Package Type	Box
Ply	1
Number of Wipes per Pack	196
Wiper Size	300 x 300mm
Colour	White
Trade Name	KIMTECH Science
Repeat/Single Use	Single Use

4. **Line item 4)** RS PRO Axial Fan, 12 V dc, DC Operation, 15.3m³/h, 1.2W, 110mA Max, 40 x 40 x 20mm (668-8805)

Quantity : 10

Manufacture : RS PRO

Manufacture part number: 668-8805

Specifications:

Attribute	Value
Supply Voltage	12 V dc
AC or DC Operation	DC
Height	40mm
Power Consumption	1.2W

Attribute	Value
Width	40mm
Maximum Current	110mA
Depth	20mm
Air Flow	15.3m³/h
Termination Type	Lead Wire
Dimensions	40 x 40 x 20mm
Noise Level	32dB
Fan Speed	7800rpm
Direction of Curve	Backward
Bearing Type	Sleeve

5. **Line item 5)** RS PRO Blue 5 Shelf Chipboard, Galvanised Steel Eco-Rax Shelving System, 1800mm x 900mm, 600mm, 265kg Load (813-3228)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: 813-3228

Specifications:

Attribute	Value
System	Eco-Rax
Number of Shelves	5
Load Capacity	265kg
Height	1800mm
Width	900mm
Depth	600mm
Material	Chipboard, Galvanised Steel
Colour	Blue

6. **Line item 6)** RS PRO 60L Black, Grey PP Large Storage Box, 385mm x 595mm x 412mm (838-6551)

Quantity : 4

Manufacture : RS PRO

Manufacture part number: 838-6551

Specifications:

Attribute	Value
Lid Type	Attached
Height	385mm
Width	595mm
Depth	412mm
Volume Capacity	60L
Colour	Black, Grey
Box Size	Large
Lockable	No
Material	PP
Vented	No
Stackable	Yes

7. **Line item 7)** RS PRO Nylon 600 Piece Slot Drive Screw/Bolt Kit (232-6878)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 232-6878

Specifications:

Attribute	Value
Number of Pieces	600
Screw/Bolt Type	Head Screw
Head Shape	Cheese, Flat
Drive Type	Slot
Screw/Bolts Lengths	6 → 25mm
Thread Size	M3, M4, M5
Material	Nylon

8. **Line item 8)** CHIPQUIK SMD29130 30g Lead Free Solder Flux Syringe (146-6650)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: SMD29130CC

Specifications:

Attribute	Value
Package Type	Syringe
Model Number	SMD29130
Package Size	30g
Lead Free	Yes

9. **Line item 9)** N-Channel MOSFET, 50 A, 200 V, 3-Pin TO-247AC Infineon IRFP260NPF (919-5019)

Quantity : 25

Manufacture : Infineon

Manufacture part number: RFP260NPBF

Specifications:

Attribute	Value
Channel Type	N
Maximum Continuous Drain Current	50 A
Maximum Drain Source Voltage	200 V
Package Type	TO-247AC
Series	HEXFET
Mounting Type	Through Hole
Pin Count	3
Maximum Drain Source Resistance	40 mΩ
Channel Mode	Enhancement
Maximum Gate Threshold Voltage	4V
Minimum Gate Threshold Voltage	2V
Maximum Power Dissipation	300 W

Attribute	Value
Transistor Configuration	Single
Maximum Gate Source Voltage	-20 V, +20 V
Length	15.9mm
Number of Elements per Chip	1
Typical Gate Charge @ Vgs	234 nC @ 10 V
Transistor Material	Si
Width	5.3mm
Maximum Operating Temperature	+175 °C
Minimum Operating Temperature	-55 °C
Height	20.3mm

10. **Line item 10)** Chemtronics 1.5m Desoldering Braid, Width 1.5mm (221-4891)

Quantity : 2

Manufacture : Chemtronics

Manufacture part number: 80-2-5

Specifications:

Attribute	Value
Width	1.5mm
Length	1.5m

11. **Line item 11)** RS PRO IEC C13 Socket to Type M South African Plug Power Cord, 2m (744-0935)

Quantity : 4

Manufacture : RS PRO

Manufacture part number: 744-0935

Specifications:

Attribute	Value
Connector 1	IEC C13
Connector 2	Type M South African Plug
Connector 1 Gender	Female
Connector 2 Gender	Male
Length	2m
Voltage Rating	250 V
Current Rating	10 A
Sheath Colour	Black
Outer Sheath Material	PVC

12. **Line item 12)** RS PRO Phillips; Slotted Precision Screwdriver Set, 11-Piece (537-883)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: 537-883

Attribute	Value
Screwdriver Type	Precision Screwdriver Set
Number of Pieces	11
Tip Type	Phillips; Slotted
Tip Size	Slotted: 1; 1.2; 1.4; 1.8; 2.4; 3 mm; Phillips: PH0; PH1; PH2; PH3; PH4

13. **Line item 13)** RS PRO Test Pin 2A (521-611)

Quantity : 6

Manufacture : RS PRO

Manufacture part number: 521-611

Specifications:

Attribute	Value
Current Rating	2A

14. **Line item 14)** brennenstuhl 1.8m 4 Socket Type D/M- Old British/South African Extension Lead, 240 V, IP20 (785-0972)

Quantity : 2

Manufacture : brennenstuhl

Manufacture part number: 3691007014

Specifications:

Attribute	Value
Product Type	Extension Socket
Cable Length	1.8m
Number of Sockets	4
Mains Plug Type	Type M - Old British/South African 15A
Socket Type	Type D/M- Old British/South African
IP Rating	IP20
Voltage Rating	240 V
Current Rating Unwound	16A
Surge Protection	No
Sheath Material	PVC
RCD Protected	No
Cross Sectional Area	1,5 mm ²
European Harmonised Code	H05VV-F
Number of Cores	3
Switchable	Yes
Colour	Black
Series	Premium-Line
Power Indicator	Yes
Sheath Colour	Black

15. **Line item 15)** 3M Scotch 1205 Amber Polyimide Film Electrical Tape, 9mm x 33m (885-5101)

Quantity : 2

Manufacture : 3M

Manufacture part number: T12059

Specifications:

Attribute	Value
Colour	Amber
Width	9mm
Length	33m
Backing Material	Polyimide Film
Thickness	0.081mm
Maximum Operating Temperature	+155°C
Trade Name	Scotch 1205

16. **Line item 16)** Vishay, D11/CRCW0603 Thick Film, SMT 122 Resistor Kit, with 6100 pieces, 10 Ω \rightarrow 1M# (769-2277)

Quantity : 1

Manufacture : Vishay

Manufacture part number: LAE2BCHIP0603KFE96

Specifications:

Attribute	Value
Mounting Type	Surface Mount
Number of Values	122
Resistance Range	10 Ω \rightarrow 1M Ω
Technology	Thick Film
Series	D11/CRCW0603
Number of Pieces	6100
Resistance Tolerance	\pm 1%
Maximum Power Rating	0.1W

17. **Line item 17)** RS PRO PVC, Hose Pipe, 10mm ID, 14mm OD, Clear, 25m (368-0205)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 368-0205

Specifications:

Attribute	Value
Hose Pipe/Flexible Tube	Hose Pipe

Attribute	Value
Inner Diameter	10mm
Outer Diameter	14mm
Material	PVC
Hose Pipe Action	Transfer
Maximum Working Pressure	10 bar
Suitable Applications	Compressed Air
Standards Met	ISO 6224
Minimum Operating Temperature	-15°C
Maximum Operating Temperature	+60°C
Colour	Clear
Length	25m
Reinforced	Yes
Bend Radius	50mm

18. Line item 18) RS PRO PVC, Hose Pipe, 10mm ID, 14mm OD, Clear, 25m (368-0205)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 368-0205

Specifications:

Attribute	Value
Hose Pipe/Flexible Tube	Hose Pipe
Inner Diameter	10mm
Outer Diameter	14mm
Material	PVC
Hose Pipe Action	Transfer
Maximum Working Pressure	10 bar
Suitable Applications	Compressed Air
Standards Met	ISO 6224
Minimum Operating Temperature	-15°C
Maximum Operating Temperature	+60°C

Attribute	Value
Colour	Clear
Length	25m
Reinforced	Yes
Bend Radius	50mm

19. **Line item 18)** HI-GRIP Steel Slotted Hex Worm Drive, 13mm Band Width, 30 → 40mm ID (525-240)

Quantity : 30

Manufacture : HI-GRIP

Manufacture part number: HGZ40BP

Specifications:

Attribute	Value
Inside Diameter	30 → 40mm
Clip Type	Worm Drive
Material	Steel
Inside Diameter Minimum	30mm
Inside Diameter Maximum	40mm
Band Width	13mm
Screw/Bolt Head	Slotted Hex

20. **Line item 20)** RS PRO Black Male Banana Plug, 4 mm Connector, Screw Termination, 24A, 30V, Nickel Plating (208-0251)

Quantity : 3

Manufacture : RS PRO

Manufacture part number: 208-0251

SPECIFICATIONS:

Attribute	Value
Colour	Black
Gender	Male

Attribute	Value
Termination Method	Screw
Voltage Rating	30V
Current Rating	24A
Connector Size	4 mm
Contact Plating	Nickel
Type	Banana Plug
Contact Material	Brass
Insulation Material	PVC

21. **Line item 21)** RS PRO Red Male Banana Plug, 4 mm Connector, Screw Termination, 24A, 30V, Nickel Plating (208-0252)

Quantity : 3

Manufacture : RS PRO

Manufacture part number: 208-0252

SPECIFICATIONS:

Attribute	Value
Colour	Red
Gender	Male
Termination Method	Screw
Voltage Rating	30V
Current Rating	24A
Connector Size	4 mm
Contact Plating	Nickel
Length	55.8mm
Contact Material	Brass
Type	Banana Plug
Insulation Material	PVC

22. **Line item 22)** Lemo Straight 50Ω RF Adapter BNC Socket to NIM-CAMAC CD/N 549 Plug (124-3438)

Quantity : 4

Manufacture : Lemo

Manufacture part number: ABA.00.250.NTL

SPECIFICATIONS:

Attribute	Value
Adapter Type A	BNC
Adapter Type B	NIM-CAMAC CD/N 549
Gender A	Female
Gender B	Male
Impedance	50Ω
Body Orientation	Straight
Polarity	Normal
Contact Plating	Gold over Nickel
Length	28.5mm
Body Plating	Nickel
Cable Type	Coaxial
Contact Material	Brass, Bronze

23. **Line item 23)** Amphenol RF Tee 50Ω RF Adapter BNC Plug to BNC Socket 4GHz (700-9502)

Quantity : 2

Manufacture : Amphenol

Manufacture part number: B9073D1-ND3G-50

SPECIFICATIONS:

Attribute	Value
Adapter Type A	BNC
Adapter Type B	BNC
Gender A	Male
Gender B	Female
Impedance	50Ω
Body Orientation	Tee
Operating Frequency	4GHz
Contact Plating	Gold over Nickel
Length	33mm
Body Plating	Nickel
Contact Material	Phosphor Bronze

24. **Line item 24)** Wiha 130 mm, Chrome Nickel Steel, Flat, Tweezers (243-6295)

Quantity : 1

Manufacture : Wiha
Manufacture part number: 32349
SPECIFICATIONS:

Attribute	Value
Model Number	32349
Material	Chrome Nickel Steel
Orientation	Angled
Overall Length	130 mm
Point Type	Flat
Anti-Magnetic	Yes

25. **Line item 25)** RS PRO Soldering Accessory Soldering Tweezers (179-0023)

Quantity : 1
Manufacture : RS PRO
Manufacture part number: 179-0023

SPECIFICATIONS:

Attribute	Value
Soldering Accessory Type	Soldering Tweezers

26. **Line item 26)** RS PRO Magnifier, 1.5X x Magnification (877-1741)

Quantity : 1
Manufacture : RS PRO
Manufacture part number: 877-1741

SPECIFICATIONS:

Attribute	Value
Magnifier Type	Magnifying Headband
Magnification Power	1.5X, 3X, 9X, 10.5X

27. **Line item 27)** Dymo Blue on White Label Printer Tape, 7 m Length, 12 mm Width (497-448)

Quantity : 3

Manufacture : Dymo

Manufacture part number: S0720540

SPECIFICATIONS:

Attribute	Value
Tape Width	12 mm
Works With Printer Models	Dymo 160, Dymo 210D, Dymo 280, Dymo 360, Dymo 420P, Dymo 450 DUO, Dymo 500TS, Dymo Mobile Labeler, Dymo PnP
Background Colour	White
Print Colour	Blue
Laminated	Yes
Tape Length	7 m
Label Quantity	1 Roll
Better World Product	Yes
Better World Claim	Recycled materials

28. **Line item 28)** StarTech.com RJ45 T-Adapter, Cat5e (193-0313)

Quantity : 2

Manufacture : StarTech.com

Manufacture part number: J45SPLITTER

SPECIFICATIONS:

Attribute	Value
Type	T-Adapter
Interface Type	RJ45
LAN Category	Cat5e
Wiring Configuration	Straight Through
Length	330mm

Attribute	Value
Extension Length	330 mm

29. **Line item 29)** RS PRO Wi-Fi Digital Microscope, 3M, 5M, 8M, 12M pixels, 10 → 230X Magnification (196-4079)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: 196-4079

SPECIFICATIONS:

Attribute	Value
Magnification Power	10 → 230X
Resolution	3M, 5M, 8M, 12M pixels
Illuminated	Yes
Illumination Type	LED
Interface Type	Wi-Fi
Battery Operated	Yes
Battery Type	Rechargeable Li-ion
Plug Type	Global

30. **Line item 30)** Chemtronics CW8400 9g Lead Free Solder Flux Pen (508-6374)

Quantity : 2

Manufacture : Chemtronics

Manufacture part number: CW8400

SPECIFICATIONS:

Attribute	Value
Model Number	CW8400
Package Type	Pen
Package Size	9g
Lead Free	Yes

31. **Line item 31)** RS PRO Test Pin 1.5A (261-5159)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 261-5159

SPECIFICATIONS:

Attribute	Value
Current Rating	1.5A

32. **Line item 32)** Fluke Test Probe, 60V (493-3285)

Quantity : 1

Manufacture : Fluke

Manufacture part number: TP88

SPECIFICATIONS:

Attribute	Value
Voltage Rating	60V
Test Probe Type	Test Probe Accessory
Colour	Black, Red

33. **Line item 33)** Würth Elektronik 211 Series PCB Terminal Block, 3-Contact, 5mm Pitch, Through Hole Mount, 1-Row, Solder Termination (826-7276)

Quantity : 16

Manufacture : Würth

Manufacture part number: 691211720003

SPECIFICATIONS:

Attribute	Value
Number of Contacts	3
Pitch	5mm
Number of Rows	1
Mounting Type	Through Hole
Gender	Female
Termination Method	Solder
Type	PCB Terminal Block
Current Rating	10A
Body Orientation	Straight

Attribute	Value
Colour	Green
Voltage Rating	300 V ac
Series	211
Material	Brass, Polyamide
Length	15.6mm
Width	13.7mm
Depth	15.5mm

34. **Line item 34)** Signal Construct Red Panel Mount Indicator, 12 → 14V, 6mm Mounting Hole Size, Solder Tab Termination, IP67 (369-3396)

Quantity : 2

Manufacture : Signal Construct

Manufacture part number: SMCP06002

SPECIFICATIONS:

Attribute	Value
Voltage Rating	12 → 14V
Light Output Colour	Red
Mounting Hole Size	6mm
Lamp Type	LED
Lamp Size	3 mm
Termination Type	Solder Tab
Mounting Type	Panel Mount
IP Rating	IP67
Bezel Style	Recessed
Bezel Colour	Chrome
Current Rating	10mA

Attribute	Value
Length	23.8mm

35. **Line item 54)** RS PRO Red Panel Mount Indicator, 220V ac, 8mm Mounting Hole Size, Lead Wires Termination, IP67 (700-1943)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 700-1943

SPECIFICATIONS:

Attribute	Value
Voltage Rating	220V ac
Light Output Colour	Red
Mounting Hole Size	8mm
Lamp Type	LED
Termination Type	Lead Wires
IP Rating	IP67
Bezel Style	Flush
Bezel Colour	Chrome
Current Rating	20mA
Intensity	10mcd
Length	27.6mm

36. **Line item 36)** RS PRO Axial Fan, 12 V dc, DC Operation, 124m³/h, 3W, 240mA Max, 120 x 120 x 38mm (541-5126)

Quantity : 4

Manufacture : RS PRO

Manufacture part number: 541-5126

SPECIFICATIONS:

Attribute	Value
Supply Voltage	12 V dc
AC or DC Operation	DC
Height	120mm
Power Consumption	3W

Attribute	Value
Width	120mm
Maximum Current	240mA
Depth	38.5mm
Dimensions	120 x 120 x 38mm
Termination Type	Lead Wire
Air Flow	124m³/h
Noise Level	33dB
Fan Speed	1950rpm
Direction of Curve	Forward
Bearing Type	Ball

37. **Line item 37)** RS PRO Steel Finger Guard for 120mm Fans, 104.8mm Hole Spacing (737-3995)

Quantity : 4

Manufacture : RS PRO

Manufacture part number: 737-3995

SPECIFICATIONS:

Attribute	Value
Fan Size	120mm
Material	Steel
Screw Hole Spacing	104.8mm
Colour	Black
External Width	115.6mm

38. **Line item 38)** RS PRO Clear Plastic Sheet, 1200mm x 620mm x 1mm (334-6444)

Quantity : 4

Manufacture : RS PRO

Manufacture part number: 334-6444

SPECIFICATIONS:

Attribute	Value
Colour	Clear
Form	Full
Length	1200mm
Width	620mm
Thickness	1mm

Attribute	Value
Material	PETG
Laminated	No
Density	1.27g/cm ³
Hardness	Shore D 78
Flammability Rating	UL 94 HB
Water Absorption	0%
Maximum Operating Temperature	+65°C
Elongation	50%

39. **Line item 39)** Self-Colour Steel Socket M3 x 16mm Grub Screw (287-3974)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: 287-3974

SPECIFICATIONS:

Attribute	Value
Length	16mm
Thread Size	M3
Material	Steel
Stainless Steel Type	Grade 45H
Finish	Self-Colour
Screw Type	Grub Screw
Head Shape	Socket
Drive Type	Hex

40. **Line item 40)** RS PRO Stainless Steel Toggle Latch, 41 x 41 x 14mm (665-9948)

Quantity : 2

Manufacture : RS PRO

Manufacture part number: 665-9948

SPECIFICATIONS:

Attribute	Value
Material	Stainless Steel
Latch Type	Toggle Latch
Dimensions	41 x 41 x 14mm
Depth	14 mm

Attribute	Value
Length	41mm
Width	41mm

41. **Line item 41)** RS PRO Straight Through Hole Pin Header, 2 Contact(s), 2.54mm Pitch, 1 Row(s), Unshrouded (251-8086)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: 251-8086

SPECIFICATIONS:

Attribute	Value
Pitch	2.54mm
Number of Contacts	2
Number of Rows	1
Body Orientation	Straight
Shrouded/Unshrouded	Unshrouded
Mounting Type	Through Hole
Termination Method	Solder
Contact Plating	Tin
Contact Material	Brass
Current Rating	1.0A
Tail Pin Length	3.0mm
Mating Pin Length	7.0mm
Voltage Rating	650.0 V

42. **Line item 42)** ASSMANN WSW Jumper Female Straight Red Open Top 2 Way 1 Row 2.54mm Pitch (674-2390P)

Quantity : 3

Manufacture : ASSMANN WSW

Manufacture part number: AKSPT/G RED

SPECIFICATIONS:

Attribute	Value
Type	Open Top
Number of Contacts	2
Pitch	2.54mm
Gender	Female
Colour	Red
Number of Rows	1
Length	6mm
Depth	2.44mm
Contact Material	Brass
Contact Plating	Gold
Orientation	Straight
Maximum Contact Resistance	30mΩ

43. **Line item 43)** RS PRO Shorting Link Female Straight Green Closed Top 2 Way 1 Row 2.54mm Pitch (251-8553)

Quantity : 3

Manufacture : RS PRO

Manufacture part number: 251-8553

SPECIFICATIONS:

Attribute	Value
Type	Closed Top
Number of Contacts	2
Pitch	2.54mm
Gender	Female
Colour	Green
Number of Rows	1
Length	4.98mm
Width	6.47mm
Depth	2.44mm
Contact Material	Phosphor Bronze
Contact Plating	Tin over Nickel
Orientation	Straight
Maximum Contact Resistance	20mΩ

44. **Line item 44)** RS PRO Shorting Link Female Straight Yellow Closed Top 2 Way 1 Row 2.54mm Pitch (251-8525)

Quantity : 3

Manufacture : RS PRO

Manufacture part number: 251-8525

SPECIFICATIONS:

Attribute	Value
Type	Closed Top
Number of Contacts	2
Pitch	2.54mm
Gender	Female
Colour	Yellow
Number of Rows	1
Length	4.98mm

Attribute	Value
Width	6.47mm
Depth	2.44mm
Contact Material	Phosphor Bronze
Contact Plating	Tin over Nickel
Orientation	Straight
Maximum Contact Resistance	20mΩ

45. **Line item 45)** RS PRO Adhesive Pre-Printed Adhesive Label-Rejected-. Quantity: 140 (758-7995)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: 758-7995

SPECIFICATIONS:

Attribute	Value
Fixing Type	Adhesive
Text Colour	Red
Background Colour	White
Pack Quantity	140
Length	38mm
Width	15mm
Text Message	Rejected

46. **Line item 46)** RS PRO Adhesive Pre-Printed Adhesive Label-QA Inspected-. Quantity: 140 (758-7967)

Quantity : 1

Manufacture : RS PRO
Manufacture part number: 758-7967
SPECIFICATIONS:

Attribute	Value
Fixing Type	Adhesive
Text Colour	Green
Background Colour	White
Pack Quantity	140
Length	38mm
Width	15mm
Text Message	QA Inspected

47. Line item 47) AF Products White Board Cleaning Spray (448-6880)

Quantity : 2

Manufacture : AF Products

Manufacture part number: BCL250

SPECIFICATIONS:

Attribute	Value
Type	Spray

48. Line item 48) RS PRO Self-Adhesive Thermal Interface Sheet, 0.16mm Thick, 10W/m·K, Graphite, 150 x 150mm (794-3973)

Quantity : 1

Manufacture : RS PRO

Manufacture part number: 794-3973

SPECIFICATIONS:

Attribute	Value
Dimensions	150 x 150mm
Thickness	0.16mm
Length	150mm
Width	150mm
Thermal Conductivity	10W/m·K

Attribute	Value
Material	Graphite
Self-Adhesive	Yes
Minimum Operating Temperature	-50°C
Maximum Operating Temperature	+150°C
Hardness	Shore A 80
Colour	Black
Operating Temperature Range	-50 → +150 °C

49. **Line item 49)** Wera Torque Screwdriver & Bit Set, 0.3 → 6Nm, ± 6 % Accuracy

Quantity : 1

Manufacture : Wera

Manufacture part number: 05074739001

SPECIFICATIONS:

Attribute	Value
Torque Range	0.3 → 6Nm
Type	Torque Screwdriver Set
Accuracy	± 6 %

50. **Line item 50)** RS PRO Self-Adhesive Thermal Gap Pad, 0.5mm Thick, 2W/m·K, Silicone, 300 x 200mm (174-5691)

Quantity : 3

Manufacture : RS PRO

Manufacture part number: 174-5691

SPECIFICATIONS:

Attribute	Value
Dimensions	300 x 200mm
Thickness	0.5mm
Length	300mm
Width	200mm
Thermal Conductivity	2W/m·K
Material	Silicone
Self-Adhesive	Yes

Attribute	Value
Minimum Operating Temperature	-60°C
Maximum Operating Temperature	+200°C
Hardness	Shore OO 50
Colour	Grey
Operating Temperature Range	-60 → +200 °C
Series	GCSP-20

51. Line item 51) BIC White Board Marker, 12 Black, 1.5 mm Tip Size (265-5572)

Quantity : 1

Manufacture : BIC

Manufacture part number: 904937

SPECIFICATIONS:

Attribute	Value
Colour	Black
Tip Shape	Bullet
Tip Size	1.5 mm
Number of Markers Included	12

52. Line item 52) ASSMANN WSW Jumper Female Straight Black Open Top 2 Way 1 Row 2.54mm Pitch (674-2384)

Quantity : 3

Manufacture : ASSMANN WSW

Manufacture part number: AKSPT/G BLACK

SPECIFICATIONS:

Attribute	Value
Type	Open Top
Number of Contacts	2
Pitch	2.54mm

Attribute	Value
Gender	Female
Colour	Black
Number of Rows	1
Length	6mm
Depth	2.44mm
Contact Material	Brass
Contact Plating	Gold
Orientation	Straight
Maximum Contact Resistance	30mΩ

PRICING SCHEDULE:

Supplier Model if applicable	Specifications include	Quantity	Price per unit (Incl. VAT)	Total Price (Incl. VAT)
1.			R	R
2.			R	R
3.			R	R
4.				
5.				
6.			R	R
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				

18.		R	R
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			
31.			
32.			
33.			
34.			
35.			
36.			
37.			
38.			

39.			
40.			
41.			
42.			
43.			
44.			
45.			
46.			
47.			
48.			
49.			
50.			
51.			
52.			
Delivery		R	R
TOTAL (VAT INCLUSIVE)		R	R

STANDARD BIDDING DOCUMENT (SBD) 4

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**

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.

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.

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.

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

STANDARD BIDDING DOCUMENT (SBD) 6.1

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 are applicable 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**

a) The applicable preference point system for this tender is the 80/20 preference point system.

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

- (a) Price; and
- (b) Specific Goals.

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

The maximum points for this tender are allocated as follows:

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

1.5. 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.

- 1.6. The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to 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

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:

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 & & \mathbf{or} \\
 \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) & & \\
 & & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right)
 \end{array}$$

Where

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

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

2.1. **POINTS AWARDED FOR PRICE**

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

80/20

or

90/10

$$P_s = 80 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right) \text{ or}$$

$$P_s = 90 \left(1 + \frac{P_t - P_{max}}{P_{max}} \right)$$

Where

- P_s = Points scored for price of tender under consideration
 P_t = Price of tender under consideration
 P_{max} = Price of highest acceptable tender

2. **POINTS AWARDED FOR SPECIFIC GOALS**

2.1. 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 the purposes of 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:

2.2. 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.)

The specific goals allocated points in terms of this tender (B-BBEE Status Level of Contributor)	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)
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			

Bidders must submit B-BBEE certificates or sworn affidavit to claim points for specific goals.

DECLARATION WITH REGARD TO COMPANY/FIRM

2.3. Name of company/firm.....

2.4. Company registration number:

2.5. 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]

2.6. I, the undersigned, who is duly authorised 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 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 which it has suffered as a result of having to make less favourable 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.

5/	SURNAME AND NAME:	SIGNATURE(S) OF TENDERER(S)
	DATE:
	ADDRESS:

Note: It is advised that documents be returned in PDF