



# higher education & training

Department:  
Higher Education and Training  
REPUBLIC OF SOUTH AFRICA

Ingwe TVET College



Enquiries: S. Ngodwana [sngodwana@ingwecollege.edu.za](mailto:sngodwana@ingwecollege.edu.za) Tel:039 940 2142 Ext 181

## ADVERT

| BID DESCRIPTION   | BID NO         | CLOSING DATE     | ENQUIRIES   |
|---|----------------|------------------|---|
| SUPPLY AND DELIVERY OF ELECTRICAL CONSUMABLES FOR SITETO CAMPUS | INGWE/037/2022 | DATE: 07/06/2022 | TECHNICAL: MR. B. BENTSWANA<br>TEL: 039 940 2142<br>SCM: MR. S. NGODWANA<br>TEL: 039 940 2142 |

Kindly furnish me with a written quotation for the provision of services as detailed in the enclosed specification. The quotation must be submitted on the letterhead of your business or have your business stamp. Quotation may be hand delivered before **12H00pm** at **Ingwe TVET College, Mount Frere Administration Offices at the reception area or email to [sngodwana@ingwecollege.edu.za](mailto:sngodwana@ingwecollege.edu.za)**

### THE FOLLOWING MANDATORY DOCUMENTS MUST BE SUBMITTED WITH THE QUOTATION AND FAILURE TO SUBMIT WILL LEAD TO THE BIDS BEING DECLARED NON-RESPONSIVE:

- Price(s) quoted must be valid for at least thirty (30) days from date of your offer.
- Price(s) quoted must be firm and must be inclusive of VAT.
- Firm Delivery Period must be indicated.
- A valid SARS TAX Compliance status with PIN.
- Valid original B-BBEE certificate or certified copy of B-BBEE certificate or sworn affidavit.
- Updated CSD (Central Supplier Database) report.
- Company municipal statement of account not older than three (3) months or company lease agreement if renting premises or affidavit from SAPS stating that the company is not obliged to pay municipal rates or ward council letter confirming the proof of address for the company for non – rates paying areas or rural areas.
- Joint Ventures to attached: JV Agreement, Consolidated BBEE certificate and letter of Signatory.
- **The following forms should be attached with the Bid/RFQ submitted:**
  - **Completed SBD 4, 8 and 9 (to be downloaded from the website).**

### BIDDERS SHOULD TAKE NOTE OF THE FOLLOWING BID CONDITIONS:

- Ingwe TVET College Supply Chain Management Policy will apply;
- 80/20 preferential procurement point system will be applied.
- Ingwe TVET College does not bind itself to accept the lowest bid or any other bid and reserves the right to accept the whole or part of the bid;
- Bids which are late, incomplete and unsigned will not be accepted.
- Bidders will be required to register as a supplier/service provider on the Ingwe TVET College Supplier/Service Provider Database, if not already registered.
- No quotations will be considered from persons in the service of the state.
- Failure to comply with these conditions may invalidate your offer.

Central Office  
Badibanise Village  
Mount Frere  
Tel: 039 940 2142

Mount Frere Campus  
Cancele Road  
Mount Frere  
Tel: 039 940 2142 ext. 200

Ngqungqushu Campus  
Magwa Road  
Lusikisiki  
Tel: 039 940 2142 ext. 300

Siteto Campus  
Mhlanga Village  
Bizana  
Tel: 039 940 2142 ext. 400

Maluti Campus  
Mli Road  
Maluti  
Tel: 039 940 2142 ext. 500

Mt Fletcher Campus  
Hospital Area  
Mount Fletcher  
Tel: 039 940 2142 ext. 600

[www.ingwecollege.edu.za](http://www.ingwecollege.edu.za)

**NB: SPECIFICATION ATTACHED**

**EVALUATION CRITERIA**

The 80/ 20 preferential procurement point system will be applied as the project is estimated to be more than R30 000.00

**Price** - **80 point**  
**B-BEE status level of Contribution** - **20 points**

**BBBEE Points Breakdown:**

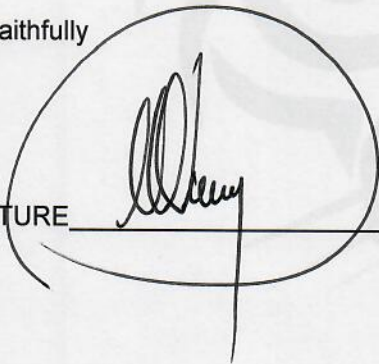
| LEVEL           | POINTS AWARDED |
|-----------------|----------------|
| 1               | 20             |
| 2               | 18             |
| 3               | 16             |
| 4               | 12             |
| 5               | 8              |
| 6               | 6              |
| 7               | 4              |
| 8               | 2              |
| Non – compliant | 0              |

**DELIVERY ADDRESS:**

INGWE TVET COLLEGE  
ADMINISTRATION OFFICES  
BADIBANISE LOCATION A/A  
MOUNT FRERE  
5090

Yours faithfully

SIGNATURE



Published on: **31 May 2022**

Central Office  
Badibanise Village  
Mount Frere  
Tel: 039 940 2142

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Cancele Road  
Mount Frere  
Tel: 039 940 2142 ext.200

Ngqungqushe Campus  
Magwa Road  
Lusikisiki  
Tel: 039 940 2142 ext.300

Siteto Campus  
Mhlanga Village  
Bizana  
Tel: 039 940 2142 ext.400

Maluti Campus  
Mli Road  
Maluti  
Tel: 039 940 2142 ext.500

Mt Fletcher Campus  
Hospital Area  
Mount Fletcher  
Tel: 039 940 2142 ext.600

## LIST OF CONSUMABLES FOR Light current 2022

| No: | MATERIAL COMPONENTS & CONSUMABLES | DESCRIPTION            | VALUE                           | QUANTITY |
|-----|-----------------------------------|------------------------|---------------------------------|----------|
| 1   | Resistor (R1)                     | Fixed carbon           |                                 |          |
| 2   | Resistor (R2)                     | Fixed carbon           | 470 $\Omega$ <sub>1/2watt</sub> | 300      |
| 3   | Resistor                          | Fixed carbon           | 47K $\Omega$                    | 300      |
| 4   | Resistor (R3)                     | Fixed carbon           | 471K $\Omega$                   | 200      |
| 5   | Resistor (R4)                     | Fixed carbon           | 22K $\Omega$                    | 200      |
| 6   | Resistor (R5)                     | Fixed carbon           | 100K $\Omega$                   | 200      |
| 7   | Resistor (R6)                     | Fixed carbon           | 33K $\Omega$                    | 200      |
| 8   | Resistor (R7)                     | Fixed carbon           | 1K $\Omega$ <sub>1/2watt</sub>  | 200      |
| 9   | Resistor (R8)                     | Fixed carbon           | 3K $\Omega$                     | 200      |
| 10  | Resistor (R9)                     | Fixed carbon           | 3.3 $\Omega$                    | 200      |
| 11  | Resistor (R10)                    | Fixed carbon           | 120 $\Omega$                    | 200      |
| 12  | Resistor (R11)                    | Fixed carbon           | 2400 $\Omega$                   | 200      |
| 13  | Resistor (R12)                    | Fixed carbon           | 600 $\Omega$                    | 100      |
| 14  | Resistor (R13)                    | Fixed carbon           | 480 $\Omega$                    | 100      |
| 15  | Resistor (R14)                    | Fixed carbon           | 22K $\Omega$ <sub>1/2watt</sub> | 400      |
| 16  | Resistor (R15)                    | Fixed carbon           | 10K $\Omega$ 0.5W               | 300      |
| 17  | Resistor (R16)                    | Fixed carbon           | 10 $\Omega$ <sub>1/2watt</sub>  | 200      |
| 18  | Resistor R17)                     | Fixed carbon           | 680 $\Omega$                    | 400      |
| 19  | Resistor (R18)                    | Resistor carbon        | 22 $\Omega$                     | 300      |
| 20  | Resistor R19)                     | Resistor carbon        | 390 $\Omega$ <sub>1/2watt</sub> | 300      |
| 21  | Resistor R(20)                    | Fixed carbon           | 15K <sub>1/2W</sub>             | 300      |
| 22  | Resistor R(21)                    | Fixed carbon           | 150 $\Omega$                    | 100      |
|     | Resistor R(22)                    | Fixed carbon           | 820 $\Omega$                    | 200      |
| 23  | SPDT Relay                        | fixed                  | 18K $\Omega$                    | 100      |
| 23  | Variable Resistor                 | Pot                    | 12V bulb                        | 200      |
| 24  | Resistor                          | Fixed                  | 1M $\Omega$                     | 300      |
| 25  | Capacitors( C 1)                  | 16V (Radial)           | 12K $\Omega$                    | 100      |
| 26  | Capacitors                        | Electrolytic Capacitor | 0.1 $\mu$ F 25V/63V             | 300      |
| 27  | Capacitors( C                     | Electrolytic Capacitor | 0.22 $\mu$ F                    | 100      |
| 28  | Capacitors( C 2)                  | 16V (Radial)           | 0.33 $\mu$ F                    | 100      |
| 29  | Capacitors ( C 3)                 | 16V (Radial)           | 1 $\mu$ F                       | 300      |
| 30  | Capacitors                        | Electrolytic Capacitor | 220 $\mu$ F                     | 400      |
| 31  | Capacitors                        | Electrolytic Capacitor | 100 $\mu$ F                     | 200      |
| 32  | Capacitors                        | Electrolytic Capacitor | 1000 $\mu$ F                    | 100      |
| 33  | Capacitors                        | Electrolytic Capacitor | 470 $\mu$ F 25V                 | 100      |
|     |                                   |                        | 100pF                           | 100      |

|    |                             |   |   |  |
|----|-----------------------------|---|---|--|
| 34 | Capacitors                  | Electrolytic Capacitor  |   |  |
| 35 | <b>Capacitors</b>           | <b>Electrolytic Capacitor</b>   | <b>47<math>\mu</math>F</b>  | <b>100</b>   |
| 36 | <b>Capacitors</b>           | <b>Electrolytic radial</b>  | <b>50<math>\mu</math>F</b>  | <b>300</b>   |
| 37 | Capacitors                  |   | <b>10nF 25V</b>   | <b>300</b>   |
| 38 | Capacitors                  | Electrolytic Capacitor  | 250 $\mu$ F   | 100  |
| 39 | <b>Capacitors</b>           | <b>Electrolytic Capacitor</b>   | <b>2500<math>\mu</math>F</b>                                      | <b>100</b>   |
| 40 | OP AMP(Timer IC)            | 555   | <b>10<math>\mu</math>F</b>  | <b>100</b>   |
| 41 | IC-Holder                   | For 555 timer   | 555   | 100  |
| 42 | IC-Holder                   | 16-pin DIL  | For 8Pin&4 Pin  | 100  |
| 43 | IC Regulator IC1            | 3 Terminal Voltage regulator T0-202   |   | 100  |
| 44 | IC Regulator IC1            | 3 Terminal Voltage regulator T0-203   | LM7805  | 100  |
| 46 | IC Regulator IC2            | 3 Terminal Voltage regulator T0-202   | LM3914  | 100  |
| 47 | IC Regulator IC3            | 3 Terminal Voltage regulator T0-202   | LM7905  | 100  |
| 48 | IC Regulator IC4            | 3 Terminal Voltage regulator T0-202   | LM7909  | 100  |
| 48 | IC Socket holders           | 3 Terminal Voltage regulator T0-202   | LM7812  | 200  |
| 49 | Transistor                  | 8-pin DIL   |   | 100  |
| 50 | Transistor                  |   | <b>BC 107</b>   | <b>300</b>   |
| 51 | Transistor                  |   | BC 109  | 100  |
| 52 | Transistor                  | PNP   | 2N3702  | 100  |
| 53 | Transistor                  | NPN   | 2N3053  | 100  |
| 54 | <b>Transistor</b>           |   | 2N3819  | 100  |
| 55 | Transistor                  | TIP41A  | <b>BC548</b>  | <b>300</b>   |
| 56 | Transistor                  |   | 1A  | 100  |
| 57 | Transistor NPN              |   | BC5487  | 100  |
| 58 | 2-pole; Single throw        | Miniature switch  | 2N222A  | 100  |
| 59 | Miniature Lamp or White LED | Screw types (ES)  | Low Voltage<br>6Volt-60Ma   | 100  |
| 60 | LED (1)                     | Low P (Green)   |   | 100  |
| 61 | LED (1)                     | Low P (Amber/Orange)  |   | 100  |
| 62 | LED (2)                     | Low P (Red)   |   | 100  |
| 63 | Diodes D1,D2;D3;D4          | <b>IN4007 Type</b><br><b>IN4004 Type</b><br><b>IN4006 Type</b><br><br><b>IN4005 Type</b><br><b>IN4001 Type &amp; 1N4148</b> | <b>1A</b><br><b>1A</b><br><b>1A</b><br><b>1A</b><br><br><b>1A</b> | <b>300</b><br><b>300</b><br><b>300</b><br><b>100</b><br><br><b>200</b> |
| 64 | Zener diode                 | BZY88 9.1V  |   | 100  |
| 65 | CMOS IC(4001)               | TTL7402   |   | 100  |
| 66 | CMOS IC(4011)               | TTL7400   |   | 100  |
| 67 | CMOS IC(4049)               | TTL7404   |   | 100  |
| 68 | CMOS IC(4070)               | TTL7486   |   | 100  |
| 69 | CMOS IC(4071)               | TTL7432   |   | 100  |
| 70 | CMOS IC(4077)               | TTL74266  |   | 100  |
| 71 | CMOS IC(4081)               | TTL7408   |   | 100  |
| 80 | Relay                       | 12SPDT Relay  |   | 100  |
|    |                             |   |   | 50   |

|    |                               |                                      |                    |     |
|----|-------------------------------|--------------------------------------|--------------------|-----|
| 81 | Bulb                          | 12Vbulb                              |                    |     |
| 82 | Miniature Lamp Holder         |                                      |                    | 100 |
| 83 | Battery Clip                  | PP3                                  | 9Volt              | 100 |
|    |                               |                                      | 9Volt              | 100 |
| 85 | Timer IC                      |                                      |                    |     |
| 86 | Counter IC                    |                                      | 555                | 100 |
| 87 | Vero board                    | 22 Rows Horizontal x22 Rows Vertical | 4017               | 20  |
| 88 | Vero board(Breadboard)        | 15 rows x 25 holes                   | 60mm x50mm         | 50  |
| 89 | LED Holders                   | Panel mount                          | 60mm x55mm         | 300 |
| 90 | Pre -set potentiometer        | Horizontal                           |                    | 100 |
| 91 | Diodes                        |                                      | 1M $\Omega$        | 100 |
| 92 | Wire PVC Stranded             | Any colour                           | 1N4148             | 100 |
| 93 | Wire PVC Solid                | Any colour                           | 0.5mm <sup>2</sup> | 20  |
| 94 | Beeper/Buzzer                 |                                      | 0.5mm <sup>2</sup> | 20  |
| 95 | Helpings hands                | 10cm -12cm                           | 9-12Volt           | 100 |
| 96 | Switches (S1)                 | Min Toggle SPST                      | SSI450             | 20  |
| 97 | Light dependent resistor(LDR) |                                      | MS550              | 100 |
| 98 |                               |                                      |                    | 100 |