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## **REQUEST FOR QUOTATION**

**RFQ NO:** KHC/RFQ/29/2023

**RFQ NAME:** ELECTRICAL INFRASTRUCTURE CONSTRUCTION ISAT AND PRACTICALS FOR 2023

**Specification Enquires:** Mr. LL Soji  
Contact Details 073 606 2659 or 047 491 9822

**SCM Queries:** Mr. N Mlokoti  
**Contact Details:** 047 401 6400

### **RE-ADVERTISEMENT**

#### **SPECIFICATION FOR**

PRACTICAL TRAINING & ISAT MATERIAL

PROGRAM NAME: E.I.C

NO.	ITEM NAME	FULL DESCRIPTION	QNTY REQ
01.	<b>Diodes</b>	<b>1N4001 – 1N4007</b>	<b>60</b>
02.	<b>LED</b>	<b>(Red, Green &amp; Yellow)</b>	<b>30 each</b>
03.	<b>Resistors</b>	<b>(10kΩ)</b>	<b>30</b>
04.	<b>Resistors</b>	<b>(470kΩ)</b>	<b>30</b>
05.	<b>Resistors</b>	<b>(15kΩ)</b>	<b>30</b>
06.	<b>Transistor</b>	<b>NPN (BC 107)</b>	<b>30</b>
07.	<b>Transistor</b>	<b>NPN (BC 548)</b>	<b>30</b>
08.	<b>Capacitor</b>	<b>10 n F 25 Volt</b>	<b>30</b>
09.	<b>Capacitor</b>	<b>50 n f 25 Volt</b>	<b>30</b>
10.	<b>Capacitor</b>	<b>2200 μF 25 Volt</b>	<b>30</b>
11.	<b>Capacitor</b>	<b>1 μF</b>	<b>30</b>
12.	<b>Transformer</b>	<b>230V – 12V</b>	<b>30</b>
13.	<b>Regulator</b>	<b>LM7805</b>	<b>15</b>

14.	<b>Vero board</b>	<b>10 cm x 15 cm</b>	<b>10</b>
15.	<b>Switch</b>	<b>Push to make</b>	<b>15</b>
16.	<b>Fuse</b>	<b>1 Amp</b>	<b>30</b>
17.	<b>Breadboard</b>		<b>15</b>
18.	<b>wire red</b>	<b>1 mm</b>	<b>5 x 100 meter</b>
19.	<b>1,5 wire black</b>	<b>1,5 mm</b>	<b>5 x 100 meter</b>
20.	<b>1,5 wire yellow</b>	<b>1,5 mm</b>	<b>5 x 100 meter</b>
21.	<b>1,5 wire red</b>	<b>1,5 mm</b>	<b>5 x 100 meter</b>
22.	<b>2,5 wire black</b>	<b>2.5 mm</b>	<b>5 x 100 meter</b>
23.	<b>2,5 wire yellow</b>	<b>2,5 mm</b>	<b>5 x 100 meter</b>
24.	<b>2,5 wire red</b>	<b>2,5 mm</b>	<b>5 x 100 meter</b>
25.	<b>Circuit breaker</b>	<b>( Three pole, 63 Amperes)</b>	<b>05</b>
26.	<b>Circuit breaker</b>	<b>( Double pole, 63 Amperes)</b>	<b>05</b>
27.	<b>Circuit breaker</b>	<b>( Single pole, 20 Amperes)</b>	<b>05</b>
28.	<b>Circuit breaker</b>	<b>( Single pole, 10 Amperes)</b>	<b>05</b>
29.	<b>Socket outlet</b>	<b>(Single, 16 Amperes)</b>	<b>05</b>
30.	<b>Switch</b>	<b>Single lever switch</b>	<b>05</b>
31.	<b>Lamps</b>	<b>Bayonet cap</b>	<b>05</b>
32.	<b>Lamps</b>	<b>Edison screw</b>	<b>05</b>
33.	<b>Vero board</b>	<b>10 cm x 20 cm</b>	<b>15</b>
34.			

**PRACTICAL TRAINING & ISAT MATERIAL TEMPLATE**

**PROGRAM NAME: E.I.C**

NO.	ITEM NAME	FULL DESCRIPTION	QNTY REQ
01.	WIND BLOWER / DUCTED FAN	Power rating is 20W with 1.9 A current.	03
02.	ANEMOMETERS	Used to measure wind speed	03
03.	MAGNETIC WIRES	0,2 mm <sup>2</sup> – 0,5 mm <sup>2</sup>	10 rolls
04.	MAGNETS	Rectangular, Neodymium iron permanent magnets is between 10 – 25mm in diameter and a thickness of between 2,4 – 4mm.	40
05.	Vero board	10 cm x 10 cm	15

#### PRACTICAL TRAINING & ISAT MATERIAL

PROGRAM NAME: E.I.C

NO.	ITEM NAME	FULL DESCRIPTION	QNTY REQ
01.	Geyser	Solar Geysers with Flat Plate Collectors(150L)	01
02.	Geyser	Solar Geysers with Evaluated Tube Collectors(150L)	01
03.	Stop Cocks	22 mm	05
04.	Valve	Thermostatic Mixing Valves	04
05.	Stop Cocks	22mm X 600kpa Master 1	09
06.	Vacuum Breakers	10 X 22mm 600kpa	05
07.	Safety Valves (TP Valves)	22mm Safety Valves (TP Valves)	05
08.	CONEX End Caps	22 mm	5
09.	Drain cock	Drain Cocks	04
10.	Ball 'O' Stops	20mm	10
11.	CONEX Elbows	22 mm	50
12.	CONEX Tees	22 mm	25
13.	Non-Return Valves	22 mm	25
14.	Copper-Copper Straight Couplers	22 mm	15
15.	Copper Pipe Benders		03
16.	Male Couplers	22mm Copper	10

17.	Female Coupler	22mm Copper	10
18.	Thread Tapes		5
19.	Copper Pipes	22mm Class 1	25
20.	Copper Pipes	22mm Class 2	25
21.	Blowlamps and Refills		05
22.	Soldering Wire	Lead free	5
23.	Soldering Flux Paste	Capillary	05
24.	Capillary Elbows	22 mm	50
25.	Capillary Tees	22 mm	50
26.	Capillary Elbows	15 mm	25
27.	Capillary Tees	15 mm	25
28.	Thread rods	10 mm (Handy bar)	05
29.	Pipe Cutters	Stanley	05
30.	Shifting Spanners	14 inch	05
31.	Pipe Vices	Tripod Stand	01
32.	Copper Pipes	Class 1 15 mm	25
33.	copper pipe bender	15 mm	05
34.	copper pipes	15 mm class 0	05
35.	copper pipes	22 mm class 0	10

Please submit the following documents:

- **Valid Tax Clearance Certificate or pin.**
- **A valid BBBEE certificate or Sworn Affidavit;**
- **Central Supplier Database Registration Proof;**
- **Completed attached declaration forms.**

All quotations and compliance MUST be emailed to the following address:

[nkosikhona@kinghintsacollege.edu.za](mailto:nkosikhona@kinghintsacollege.edu.za)

**Closing Date:** 28 August 2023

**Time:** 10:00am

**PLEASE NOTE THAT NO LATE SUBMISSION WILL BE ACCEPTED**

