



It would be greatly appreciated if you could please submit a quote/bid as per the attached/below mentioned specification. The closing date is Friday, 9 September 2022 at 11h00.

1. Background

RFQ: REF NO. 2022/09/094

The Eastern Cape Department of Education (ECDoE) is seeking the services of a specialist Service Provider in the field of coding and robotics to provide the Department with Intermediate Phase (Grade 4-6) Coding and Robotics Kits for 56 schools, three (3) kits per school. The kits must be delivered to Steve Vukile Tshwete Complex, Zwelitsha – Curriculum Management. The appointed Service Provider is expected to train the teachers on the use of the materials in the Kit.

This intervention forms part of the pilot project which the Department is embarking upon to pave the way for learners in this phase to prepare them to meet the demands of the world technology, which is now focusing more on coding, programming and artificial intelligence.

2. The kit for intermediate phase must focus on structures and motions and must consist of the following:

- 2.1. Plates and blocks
- 2.2. Motorized Controller
- 2.3. Ability to be configured in at least 120 different robots (Provide a manual per
- 2.4. kit)
- 2.5. Be usable across multiple platforms (Windows, IOS & Android devices)
- 2.6. Programmable Controller
- 2.7. Ability to be configured using different Sensors
- 2.8. Be network Capable (WiFi, Blue-Tooth, Data, USB)
- 2.9. Screws and Nuts
- 2.10. Programmable Motors
- 2.11. LED Module
- 2.12. Gyroscope module (angle, acceleration, vibration and rotation)
- 2.13. Remote Controller
- 1.1. Battery and power operated
- 2.14. Set of appropriate extra batteries AA or AAA x 3 per kit
- 2.15. The kit must also include 1 set of rechargeable batteries
- 2.16. Be able to capture and output sound
- 2.17. Ability to be configured for environmental conditions (temperature, light, color)



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- 2.18. Accompanying APPs for offline support and configurations
- 2.19. Use programming multiple programming languages (open sources, C and its variants)
- 2.20. Allow for extension, addition, creativity and innovation
- 2.21. Durable Container for all the contents of the kit.

3. The Required Kits are for 56 Schools and three (3) per School in this phase

| Item Specification | QTY | Unit Price Including VAT | Total Price Including VAT |
|--|-----|--------------------------|---------------------------|
| Column A | B | C | D |
| Programmable DIY ultrasonic obstacle dodging and Automatic Line Tracking Robot consisting of: <ul style="list-style-type: none"> • With Block Based programming which can be operated with a digital device • Robot can be used indoors and outdoors • Has abundant light effects • Remote controlled using an App on a digital device | 168 | R | R |
| STEM Educational block/card based Programming and Interactive Robot Set consisting of: <ul style="list-style-type: none"> • Robot (can sing, dance and glow in different light colours) • Map • 30 Programming Movement Blocks (including light, sound, dancing cards) • USB Charging Cable • Activity Manual • Sequencing Movement for the Robot is 12.5cm | 168 | R | R |
| Cretille Sensors set: <ul style="list-style-type: none"> • 9V battery x 1 • Cretille battery supply x 1 • Cretille buzzer x 1 • Cretille high speed motor x 1 • Cretille light x 1 • Cretille temperature and humidity Sensor x 1 • Cretille light sensor x 1 • Cretille motion sensor x 1 • Cretille obstacle sensor x 1 • Prologic Programmable Block x 1 • USB Cable x1 Projects will be demonstrated using each sensor, total demonstration of 5 projects | 168 | R | R |
| Robotics activity floor maps (for mathematics, natural science, technology, and life skills) <ul style="list-style-type: none"> • Made of Rexene/vinyl material, • Maps are packed in a round cardboard tube of 85cm x 8cm which can be opened and closed both sides with each learning area clearly labelled on each tube. | 168 | | |



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| Item Specification | QTY | Unit Price Including VAT | Total Price Including VAT |
|--|-----|--------------------------|---------------------------|
| Column A | B | C | D |
| Basic Electrical components <ul style="list-style-type: none"> • Buzzer • Light Bulb • Bulb Holder • Batteries • Wires bared end 15cm (Pack consisting of black x 15 wires, red x 15 wires) • DC Motor • Switch • LED • Resistors • Breadboard 408 connections | 168 | R | R |
| Basic Mechanical Components consisting of: <ul style="list-style-type: none"> • Chassis – made of rigid plastic (5 per pack) • Axles – (15 per pack) • Wheels – made of plastic (53mm) (15 per pack) • Fasteners – (Box of 100) • Pulleys – different sizes (15 per pack) (3 different sizes) • Gears – 15 per pack (3 different sizes) | 168 | R | R |
| Basic Tools: <ul style="list-style-type: none"> • Long Nose Pliers x1 • String, Roll x1 • Glue 500ml x1 • Scissors • Project Knife x1 • Ruler –Steel x1 • Insulation Tape x1 • Screw Drivers x1 • Hand Figure Saw x1 • Soldering Iron x1 • Soldering Mat x1 • Soldering Wire, roll x1 | 168 | R | R |
| Activity Sheet | 168 | R | R |
| Unit Price Including VAT | | R | R |
| Total Price Including VAT | | R | R |

4. Elimination Criteria

- 4.1. Prospective Service Providers are required to submit samples of their kits on **Tuesday, 6 September 2022** before 11h00 AM and demonstrate how their product works. Failure to submit the sample kit will disqualify your submission.
- 4.2. Kits must include all items stated in column "A" above and those stated in paragraph 2 above and any deviation and non-compliance to the above stated requirements/ items will render your submission non-compliant and disqualified.
- 4.3. The kits must come with a user manual and a teacher and activity manual which are user friendly and kits without manuals will be disqualified.
- 4.4. The kits must be labelled with your company name for easy collection after the closing date.

5. Mandatory Administrative Requirements and Conditions:

Please note no services must be rendered without an official order;

- 5.1. Quotations must reflect your LOGIS and CSD Supplier Number;
- 5.2. Quotations are to be valid for 30 days;
- 5.3. Quotation is only valid when signed/stamped by the service provider;
- 5.4. Service providers are required to complete fully, accurately, sign and submit the attached declaration of interest form SBD 4, and 6.1
- 5.5. The closing date for this request is Friday, **9 September 2022 at 11h00** and no quotations or submissions will be accepted after the closing date.

6. Other Conditions

- 6.1. All invoices issued must reflect unique invoice number and order number;
- 6.2. All goods/services excluding terms contract requested must be delivered within 30 days on receipt of an official order to prevent automatic cancellation of the order;
- 6.3. In the case of designated sector only locally produces goods or locally manufactured goods, adhering to the stipulated minimum threshold for local production and content will be considered. (Refer to paragraph 4 of this document).
- 6.4. Payment will only be effected on banking details reflected on the Centralised Supplier Database hosted by National Treasury;
- 6.5. Payment will also be effected upon receipt of Proof of delivery from the Centre's in which the furniture will be delivered. The Proof of Delivery must bear a stamp, date of delivery and signature of the official delegated to receive the furniture.
- 6.6. For reconciliation purposes please ensure that the reference number for this specification is appended on your quotation;
- 6.7. Prices on your quotation should indicate price per unit inclusive of VAT if the supplier is a VAT Vendor.

| Directorate | Name & Surname | Functionary | Signature | Date |
|-------------|----------------|-------------|-----------|------------|
| Curr. Man. | Ms L Gwele | Approved | | 31/08/2022 |

7. Submission of Quotations

- 7.1. **Quotations are to be deposited (hand delivered) to a Silver Grey Tender Box, in the main building next to the security guards (main entrance) by the reception at Steve Vukile Tshwete Complex. Zone 6. Zwelitsha.**
- 7.2. **No faxed or emailed documents will be accepted.**

Enquiries... ..

Telephone (040) 608 _____ Fax (040) 608 4736 for _____

7. Quotations Evaluation Criteria

- 8.1. The **80:20 Preference Point System** in terms of the Revised Preferential Procurement Policy Framework Act (PPPFA) and Regulations will be judiciously applied;
- 8.2. Adequate **experience**, an impeccable **track record** and **proven success** in similar activities will be major considerations.
- 8.3. Preference will be given to those Service Providers that rate highly in terms of **HDI Equity Ownership and Control** and those with **established businesses located in the Eastern Cape Province.**

| B-BBEE Status Level of Contributor | Number of points (80/20 system) |
|------------------------------------|---------------------------------|
| 1 | 20 |
| 2 | 18 |
| 3 | 14 |
| 4 | 12 |
| 5 | 8 |
| 6 | 6 |
| 7 | 4 |
| 8 | 2 |
| Non-compliant contributor | 0 |

**NB* SERVICE PROVIDERS, TRUST, CONSORTIUM OR JOINT VENTURE MUST OBTAIN AND SUBMIT CONSOLIDATED B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE FOR EVERY SEPARATE BID **



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QUOTATION. PUBLIC ENTITIES AND TERTIARY INSTITUTIONS MUST ALSO SUBMIT B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE TOGETHER WITH THEIR BID \ QUOTATION.

SBD4

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 institution | State |
|-----------|-----------------|---------------------|-------|
| | | | |
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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.



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SBD4

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;



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- 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.

SBD4

- 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

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.

PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN
MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE
FALSE.

.....
Signature Date

.....
Position Name of bidder

