



**Uttarakhand State Council for Science and Technology (UCOST)**  
**Dept. of Information Technology, Suraj and Science Technology, Govt. of**  
**Uttarakhand, Vigyan Dham, Jhajra, Chatrata Road, Dehradun-248015**

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**Request for Proposal (RFP) for Setting up STEM  
Education and Innovation Centres (STEM Jigyasha Kaksh)  
in selected Schools of Uttarakhand**



## UTTARAKHAND SCIENCE AND TECHNOLOGY (UCOST)

Dept. of Information, Suraj & Science Technology, Govt. of Uttarakhand  
Vigyan Dham, Chakrata Road, Dehradun-248015 Email: [ucost@ucost.in](mailto:ucost@ucost.in)

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### **Request for Proposal (RFP) for Setting up STEM Education and Innovation Centres( STEM Jigyasa Kaksh) including Supply of Equipment & Devices and mentoring in 95 Government schools in 95 blocks of Uttarakhand**

|  |   |
|--|---|
| Bid Documents Download Start Date  | 22 <sup>th</sup> Nov, 2023 at 16:00 hours           |
| Pre-bid Meeting  | 02 <sup>nd</sup> Dec, 2023 at 11:30 hours           |
| Last Date of Submission of Technical and Financial bid along with Tender Fee & EMD | 13 <sup>th</sup> Dec, 2023 at 16:00 hours           |
| Date & Time of Opening of Pre Qualification Bid & Technical Bid                    | 14 <sup>th</sup> Dec at 11:30 hours                 |
| Date of Presentation & Display of STEM Resource and Innovation Kits                | 18 <sup>th</sup> Dec at 11:30 hours                 |
| Opening of Financial Bid   | Will be communicated after the Technical Evaluation |
| Tender Fee (Non Refundable)  | Rs. 10,000/-  |
| EMD Amount (Refundable)  | @2% of Total Quoted Project Cost                    |

## Project Background

Uttarakhand State Council for Science & Technology (UCOST), Dehradun (herein after referred to as the Purchasers/service seekers) has published this RFP for Setting up STEM Education and Innovation Centres(STEM Jigyasa Kaksh) including Supply of Equipment/Devices and mentoring in 95 government schools of 95 blocks of Uttarakhand. UCOST accordingly invites bids for Setting up STEM( Science, Technology, Engineering and Mathematics) Education and Innovation Centres (STEM Jigyasa Kaksh) including Supply of Equipment & Devices and mentoring of students in 95 government schools of 95 blocks of Uttarakhand.

Proposal in the form of BID are requested for the item(s) in complete accordance with the documents to be uploaded as per following guidelines

**Bidder shall submit their bids in separat sealed Envelope (Physical Form) in 3(THREE) parts 'PART-I Pre Bid Criteria (Tender Fee and EMD- in favor of "Uttarakhand State Council for Science & Technology" payable at Dehradun)' along with self declaration certificate that the firm has not been blacklisted in the past by the central govt. departments/State Govt. Departments/PSUs of Central/State Govt.**

**PART-II (Technical Bid with necessary documents)' and 'PART-III (Financial Bid)' before the last date 13<sup>th</sup> Dec, 2023 at 16:00 Hour along with Tender Fee & EMD clearly superscript with the Part I, Part II & Part III enclosed in Single sealed envelope by Registered/Speed Post.**

The bidder will have to submit **Tender Fee of Rs. 10,000/- (Non refundable) & Earnest Money Deposit (E.M.D.) of @2% of total quoted amount (Refundable)** on or before date & hours of submission of bids in a sealed cover at UCOST office with the heading "Bid processing Fees & EMD for Tender No **UCS&T/Tender/STEM/24876 Dated: 22 Dec, 2023** for Setting up STEM Education and Innovation Centres (STEM Jigyasa Kaksh)"

Tender fees must be in the form of Demand Draft in the name of "**Uttarakhand State Council for Science & Technology**" payable at Dehradun along with the covering letter.

**EMD** as mentioned above, shall be submitted in the form of Demand Draft OR in the form of an unconditional Bank Guarantee (which should be valid for 12 months from the last date of bid submission) of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Dehradun) in the name of "Uttarakhand State Council for Science & Technology" payable at Dehradun (as per prescribed. format given at Annexure A) and must be submitted along with the covering letter in a separate envelope.

***Please affix the stamp of your company on the overleaf of demand draft.***

**Note: Failing to submit physical covers of EMD and Tender Fees at UCOST on or before the last date & time of submission as given in this RFP, shall lead to the rejection of the bid.**

The Tender Fees & EMD Section and Eligibility Section will be opened on the specified date & time in presence of the committee members and representatives of the bidders who choose to attend. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process

Once quoted, the bidder shall not make any subsequent price changes or change in conditions, if any, whether resulting or arising out of any technical/commercial clarifications sought regarding the bid, even if any deviation or exclusion, it may be specifically stated in the bid. Such price changes shall render the bid liable for rejection.

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|-----|---|---|
| 1.  | Bid Reference Number  | <b>Tender No. UCS&amp;T/Tender/STEM/24876</b><br><b>Dated: 22 Dec, 2023</b>   |
| 2.  | Bid Documents Download Date   | 22 <sup>nd</sup> Nov, 2023 at 15:00 hours   |
| 3.  | Date of Pre-Bid Meeting   | 02 <sup>nd</sup> Dec, 2023 at 11:30 hours   |
| 4.  | Venue of Pre-Bid Meeting  | Uttarakhand State Council for Science and Technology, Vigyan Dham, Jhajra, Chakrata Road, Dehradun-248015<br>Time : 11.00 Hours |
| 5.  | Last Date of Submission of Technical and Financial bid along with Tender Fee & EMD  | 13 <sup>th</sup> Dec, 2023 till 16.00 hours   |
| 6.  | Date & Time of Opening of Pre Qualification Bid & Technical Bid   | 14 <sup>th</sup> Dec, 2023 till 11.30 hours   |
| 7.  | Date of Presentation & Display of STEM activity plan, mentoring strategy, to be used learning resources and innovation Kits as per Specifications/details | 18 <sup>th</sup> Dec, 2023 till 11.30 hours   |
| 8.  | Date & Time of Opening of Financial Bids  | Will be communicated to bidders who qualify after Technical Evaluation  |
| 9.  | Venue of Opening of Bids  | Uttarakhand State Council for Science and Technology Vigyan Dham, Jhajra, Chakrata Road, Dehradun-248015                        |
| 10. | Tender Fees (Non-refundable)  | Rs. 10,000/- (Rupees Ten Thousand Only)   |
| 11. | Earnest Money Deposit (E.M.D.) (Refundable)   | @2% of Total Quoted Project Cost  |
| 12. | Security Deposit (Performance Bank Guarantee)   | Successful bidder is required to submit Performance Security Deposit of 10% of Bid Price in the form of a bank guarantee.       |
| 13. | UCOST Contact Person  | The Director General, UCOST, Dehradun   |

**Note:**

1. The Authority shall adopt 'Quality cum Cost Based Selection (QCBS)' methodology for selection of the Agency for running and supply of kits for STEM & Innovation Centre.
2. This is a two Bid Process (Technical & Financial). Agencies scoring minimum 70% points in Technical bid will only be considered for opening of financial bid.
3. The Technically qualified bidder will be intimated date of opening of financial bid.
4. The details Evaluation process is mentioned in Section-III

## 5. SECTION 1-Eligibility Criteria

### Eligibility Criteria for the bidder:

**Following eligibility criteria will be adopted to assess the capacity and capability of the bidder.**

|           |   |
|-----------|---|
| <b>01</b> | Experience in setting STEM facility in minimum schools/colleges.  |
| <b>02</b> | Experience in setting STEM facility in minimum states.  |
| <b>03</b> | Experience in manufacturing of STEM kits.   |
| <b>04</b> | Quality of STEM Kits proposed to be supplied.   |
| <b>05</b> | Capacity of Agency : Technical Manpower & Infrastructure  |
| <b>06</b> | Experience in managing/running STEM facility centres.   |
| <b>07</b> | Average turnover of the agency of last three F.Y. (2020-21, 2021-22, 2022-23)   |
| <b>08</b> | Whether the agency is a service provider and supplier of STEM Kits in Uttarakhand.  |
| <b>09</b> | Experience in running/setting of STEM Centres in Government Organization/Institutes/Schools   |
| <b>10</b> | Whether the agency have submitted submitted required company registration documents (ITR of F.Y. (2020-21, 2021-22, 2022-23), Copy of GST, PAN, Company Registration) |

## **SECTION II- Scope of Work/Requirement**

Bids are hereby invited from the eligible Bidders having experience, capability, and resources in setting up, supplying the resource material and running STEM Education and innovation Centre facility for school students across the 95 schools selected by Uttarakhand State Council for Science & Technology.

**Bidders who wish to participate in the bid, must have to quote for all the line items as specified in RFP documents. Incomplete bid will not be accepted and lead to rejection of the bid. We require only single agency who will supply all the equipment's/kits and run facilities.**

The successful bidder is required to setup, supply and install (if required) the devices & Equipment kits as per the specification mentioned in this RFP document and run the facility in specified schools of Uttarakhand. The bidders shall be responsible for supply & implementation of the work as defined in this RFP documents.

Bidders also have to supply, install, run & provide operations/ functions training to Teachers and operation of the equipment's to be supplied.

Unit cost is required to be offered for all the items as requested. UCOST does not guarantee any fixed quantity of any items as mentioned in bid, at the time of awarding the order and the quantity and number of facilities may vary. The quantity of any item may vary depending upon the change in the requirements/ grants available with the purchase(s), which shall be binding to the bidder. The rates should be valid for a period of 180 days from the date of financial bid opening.

- The Bidder must quote all items in all categories mentioned in the bid.
- Bid should be complete in all respect and submitted on or before the Bid due date.
- Service offered should be strictly as per requirements mentioned in this RFP documents.
- Successful bidders will have to provide only OEM standard warranty & support for the supplied equipment.

### **SCOPE OF WORK:**

Bidders are required to carry out following task:

- Supply of the kits/resource material as per the topics/specifications.
- Manpower/Mentor for the period of 1 year for operation and capacity building
- Supply of furniture for the facility
- Supply of Spare parts/consumables & Safety Items
- Training of Teachers of Selected Schools (Capacity Building)
- Repair & Maintenance of Equipment/kits
- Providing backup service for Mentor

**Setup, run, supply & installation of the equipment for the STEM and Innovation Centres:** The Bidders shall supply and implement the required Equipments at selected 95 selected schools in 95 blocks of Uttarakhand as spcified by UCOST.

**Warranty:** The bidders shall be responsible for the warranty support for a minimum period of 2 years from the date of supply of kits/resource material to the purchaser. In case, where some of the components come with warranty support longer than 2 year, bidder shall extend the same to purchaser.

All goods or materials shall be supplied strictly in accordance with the topics/models specified, specifications, drawing, datasheets, other documents and conditions stated in the RFP/ Work order. All materials supplied by the bidders shall be guaranteed to be the best quality of their respective kinds and shall be free from any type of faulty design, manufacturing defects, workmanship and materials.

**Mentors:** The bidder shall appoint qualified manpower (mentors) of Minimum BE/B.Tech/M.Sc. Minimum Experience as a mentor in STEM Education should be 01 year and incumbent should be capable of running the STEM and Innovation Centres in designated school(s).

**Documents:** The Bidders shall provide 1 set of documents and product manuals/catalogues along with supplied equipment's / Devices / software & their updates, warranty cards etc. for the items they supply at the time of delivery (hard copy, soft copy with each item of the units supplied).

**Demonstration & Training:** Successful bidder has to carry out Demonstration at the time of installation of the supplied goods in presence of Authorized person of selected schools in addition to running of the facility for specified period. One onsite training per month for one year (minimum 12 training for each school) from the date of installation is to be given. He should also provide special training programs of STEM education Minimum (04) No. in each quarter of the year to all the UCOST staff, Selected school Principal & teachers nominated by school and coordinator of the programme at UCOST.



## Section- III Evaluation of Bid & Technical Score

The Bidders shall be awarded marks based on the following criteria.

- The Authority has adopted Quality cum Cost Based Selection (QCBS) methodology for selection of Agency and hence the Project will be awarded to the Bidder with the highest Final Score as per process mentioned below. Those agencies who score minimum 70% in Technical bid/Eligibility Criteria will only be considered for opening of financial bid
- Financial proposals of only those agencies who are technically qualified shall be opened publicly on the date and time specified to be notified separately, in the presence of the agency's representatives who wish to attend. Financial proposals will be allotted weightage of 30%.
- Financial proposals will be checked and the bidder will be ranked accordingly. The lowest financial bid would secure 30 marks and the score(s) of the other bidder(s) shall be computed as per illustration cited below:

| Bidders    | Cost given in the financial bid | Calculation             | Normalized Score |
|------------|---------------------------------|-------------------------|------------------|
| Bidder L-1 | 1000                            | $1000 \times 30 / 1000$ | 30.00            |
| Bidder L-2 | 1025                            | $1000 \times 30 / 1025$ | 29.27            |
| Bidder L-3 | 1050                            | $1000 \times 30 / 1050$ | 28.57            |

- The numerator will be the charges as cost quoted by L-1 and denominator will be the bidder charges as cost quoted by respective bidders.
- **The agency scoring the highest combined score in technical and financial bid evaluation together shall be considered for the work.**
- In the first step, based on the details submitted under the technical Bids/Eligibility Criteria of all the Bidders, as per eligibility criteria of the Tender, technically qualified bidder will be identified.
- **UCOST may ask all bidders to make a presentation and physically present their STEM and Innovation centre kits which they propose to supply.**
- **Based on the physical presentation of kits marks will be awarded under quality of kits.**

| <i>Evaluation Criteria for Technical Bid</i> |   | Maximum Points   |
|--|---|------------------|
| <b>01</b>                                    | Experience in setting STEM facility in minimum 50 schools. (attach documentary proof)   | <b>10 Points</b> |
| <b>02</b>                                    | Experience in setting STEM facility in minimum 02 states. (attach documentary proof)  | <b>10 Points</b> |
| <b>03</b>                                    | Whether the agency have experience in manufacturing of STEM kits. (attach document proof)   | <b>10 Points</b> |
| <b>04</b>                                    | Quality of STEM Kits proposed to be supplied and activities proposed to be organised. (Submit list and catalogues of the kits)- Presentation before the committee will be require | <b>20 Points</b> |
| <b>05</b>                                    | Capacity of Agency : Technical Manpower & Infrastructure (Minimum 10 Manpower as per prescribed qualification mentioned in bid document)  | <b>10 Points</b> |
| <b>06</b>                                    | Experience in managing STEM facility centres. (attach document proof)- Min 03 years of experience   | <b>10 Points</b> |
| <b>07</b>                                    | Average turnover of the agency of last three F.Y. (2020-21, 2021-22, 2022-23)- Minimum 100.00 Lakh  | <b>10 Points</b> |

|           |   |                    |
|-----------|---|--------------------|
| <b>08</b> | Whether the agency is a service provider in Uttarakhand.  | <b>05 Points</b>   |
| <b>09</b> | Successfully completion certificate of STEM Centre from Government Organization/Institutes/Schools (Minimum 03)   | <b>05 Points</b>   |
| <b>10</b> | Whether the agency have submitted required documents (ITR of F.Y. (2020-21, 2021-22, 2022-23), Copy of GST, PAN, Company Registration, Tender Fee, EMD) | <b>10 Points</b>   |
|           | <b>Total</b>  | <b>100 Points*</b> |

**\*Agency(s) scoring minimum 70 points will be technically qualified and will be called for opening of financial bid**

- The Financial Bid under the third envelop shall be opened of only those Bidders who qualify as per above eligibility criteria (the "Qualified Bidders")
- For the avoidance of doubts, the Technical Bid shall consist of the documents specified in this RFP in the note contained below Section –IV and absence of any of the documents and particulars will cause the Bid to be declared as non-responsive. The Authority reserves the right to reject any Bid which is non-responsive and no request for alteration, modification, substitution or withdrawal shall be entertained by the Authority in respect of such Bid. Provided, that the Authority may, in its discretion, allow the Bidder to rectify any infirmities or omissions if the same do not constitute a material modification of the Bid.
- Technical and Financial Bids shall be evaluated based on parameters specified in the RFP document. Based on the technical bid, and financial bid, technical and financial scores respectively shall be given to each Bidder. The technical score will be awarded as per the criteria given Section-III above. Financial Bid shall comprise of the total fee for the services quoted as per Financial Bid Format, and the Bidder quoting the lowest aggregate fee will get the maximum financial score of 30. The Project will be awarded to the Bidder with highest Total Score (hereinafter referred to as "**Selected Bidder**")

The Bidder achieving the highest combined technical and financial score may be invited for negotiations for awarding the contract. In the event that 2 (two) or more Qualified Bidders have the same overall Total Score (the "Tie Bidders") for the Project, the Qualified Bidder shall be identified as the bidder which has the higher technical score among the bids in the tie.

After selection, a Letter of Award (the "LOA") shall be issued, in duplicate, by the Authority to the Selected Bidder and the Selected Bidder shall, within 7 (seven) days of the receipt of the LOA, sign and return the duplicate copy of the LOA in acknowledgement thereof. In the event the duplicate copy of the LOA duly signed by the Selected Bidder is not received by the stipulated date, the Authority may, unless it consents to extension of time for submission thereof, appropriate the EMD of such Bidder as damages on account of failure of the Selected Bidder to acknowledge the LOA, and the next eligible Bidder may be considered.

**After acknowledgement of the LOA as aforesaid by the Selected Bidder(s), UCOST, pursuant to this RFP, the successful bidder will have to deposit 10% of the order value as EMD in the form of Account payee demand draft on term deposit receipt on unconditional bank guarantee valid for a period of one year before placement of a Work Order.**

## SECTION IV - Instruction to Bidders

### General Terms & Conditions:

1. The last date of submission of bid is on 13<sup>th</sup> Dec, 2023 up to 16.00 Hrs. Physical bids will be accepted under normal circumstances. However, UCOST reserves the right to ask the bidders to submit the any other documents in physical form.
2. The bid is non-transferable.
3. **The Bidder may quote only one option (i.e. only one product can be quoted) against each item. Bidders are required to mention make & model of the product. (Do not write "OEM" against items, unless specified, as bidders are expected to give make & model of the product).**
4. The successful bidder has to submit the video manual of each and every kit demonstrating its Utilization.
5. The successful bidder will have to supply, install, run and provide operational training for supplied devices, equipment, hardware & peripherals and carry out necessary integration if required at various Schools of Uttarakhand
6. If in any case the quoted Item is not available in the market, the bidder will have to supply Higher Version/ or equivalent replacement of that Item in the quoted cost in the same time duration with prior approval of UCOST/Purchaser. No "End of Life / End of Support" product should be quoted to minimize such instances. (Make & Model quoted by the bidder should be available till the bid validity, duly supported for spares/OEM support for the warranty period).
7. The Bidder shall bear all the costs associated with the preparation and submission of its bid, and UCOST In no case will be responsible or liable for these costs, regardless of conduct or outcome of bidding process.
8. Technical specifications indicated are minimum specification. Bidder may quote for better solution. The bidder should provide following with the technical bid:
  - Make & Model Number
  - Name of Manufacturer
  - Technical Literature
  - Manufacturer is Data Sheet.
  - Compliance statement from the OEM of the product
  - Authorized dealership, if any
9. The Bidder has to examine all instructions, forms, terms, conditions and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the biding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.
10. Amendment of Bidding Documents (Corrigendum)
  - 10.1. At any time prior to the deadline for submission of bids, UCOST may, for any reason, whether its own initiative or in response to the clarification request by a prospective bidder, modify the bidding documents by amendment.
  - 10.2. The corrigendum will be published on website [www.ucost.in](http://www.ucost.in)
  - 10.3. In order to allow prospective bidders reasonable time to take into consideration the amendments

while preparing their bids UCOST, at its discretion, may extend the deadline for the submission of bids.

11. Bid Currency - Prices shall be quoted in Indian Rupees only. Payment for the supply of equipments as specified in the agreement shall be made in Indian Rupees only.

12. Language of Bid: The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and GOUK/UCOST shall be in Hindi or English. Supporting documents and printed literature furnished by the bidder may be in another language provided they are accompanied by an accurate translation of the relevant pages in English/Hindi. For purposes of interpretation of the bid, the translation shall govern.

13. The bidder will have to submit Tender Fees of Rs. 10,000/-(Non refundable) & Earnest Money Deposit (E.M.D.) of Rs.4,00,000/- (Refundable) on or before date & hours of submission of bid in a sealed cover (Part-I) at UCOST office with the heading "Bid processing Fees & EMD for tender no.

**UCS&T/Tender/STEM/24876 Dated: 22 Dec, 2023** for Setting up of STEM Education and Innovation Centres for Students for Uttarakhand State Council for Science and Technology."

- Tender fees must be in the form of Demand Draft in the name of "Uttarakhand State Council for Science & Technology" payable at Dehradun along with the covering letter.
- EMD as mentioned above, shall be submitted in the form of Demand Draft, Fix Deposit OR in the form of an unconditional Bank Guarantee (which should be valid for one year from the last date of bid submission) of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Dehradun) in the name of "Uttarakhand State Council for Science & Technology payable at Dehradun (as per prescribed format given at Annexure A) and must be submitted along with the covering letter. Please affix the stamp of your company on the overleaf of demand draft/FDR/TDR.

Note: Failing to submit physical covers of EMD and bid processing fees at UCOST on or before the last date & time of bid submission as mentioned in this RFP may lead to the rejection of the bid.

14. In case of non-receipt of Tender fees & EMD as mentioned above bid will be rejected by UCOST as non-responsive.

15. Unsuccessful bidder's E.M.D. will be returned as promptly as possible after the expiration of the period of bid validity OR upon the successful Bidder signing the Contract, and furnishing the Performance Bank Guarantee as prescribed by UCOST, whichever is earlier.

16. In exceptional circumstances, UCOST may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. Bidder may refuse the request without forfeiting its E.M.D. A Bidder granting the request will not be permitted to modify its bid.

17. The Successful bidder has to submit Security Deposit in the form of Fixed Deposit or Performance Bank Guarantee @ 10 % of total order value before the date of issue of Purchase order for the duration of 1 year from any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Dehradun).

18. Successful Bidder will have to sign the contract upon receiving the confirmed order with the purchaser(s) within 15 working days from the date of confirmed purchase order. (The draft is attached herewith).

19. The successful Bidder's E.M.D. will be returned upon the Bidder signing the Contract, and furnishing the Performance Bank Guarantee as per bid terms.

20. The E.M.D. may be forfeited at the discretion of UCOST/GoUK, on account of one or more of the following reasons:

(a) If a Bidder withdraws its bid during the period of bid validity.

(b) If Bidder does not respond to requests for clarification of their Bid

(c) If Bidder fails to co-operate in the Bid evaluation process, and

(d) In case of a successful Bidder, if the Bidder fails:

(i) To sign the Contract as mentioned above or

(ii) To furnish performance bank guarantee as mentioned above or

(iii) If the bidder is found to be involved in fraudulent practices.

(iv) if the services rendered is unsatisfactory and supply of ordered material within specified time has failed

**21. Termination for Default:**

21.1. UCOST may, without prejudice to any other remedy for breach of contract, may proceed for termination of contract by written notice of default sent to the Bidder. Bidder will be given notice/cure period of 30 days, after that purchaser will terminate the Contract in whole or part after:

a) If the bidder fails to deliver any or all of the Goods as per the delivery schedule mentioned in the bid, or within any extension thereof granted by the Purchaser or

b) If the Bidder fails to perform any other obligation(s) under the Contract/Purchase order. c) If the Bidder, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

"Corrupt practice" means the offering, giving, receiving or soliciting of anything of value of influence the action of a public official in the procurement process or in contract execution.

"Fraudulent practice: a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the purchaser of the benefits of free and open competition;"

21.2. In the event UCOST terminates the Contract in whole or in part, pursuant to Clause 21.1 above, UCOST may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Bidder shall be liable to UCOST for any excess costs for such similar Goods or Services. However, the Bidder shall continue the performance of the contract to the extent not terminated.

22. If the successful bidder fails to submit the Performance Bank Guarantee & sign the Contract Form within prescribed time limit, the EMD of the successful bidder will be forfeited. UCOST also reserves the right to blacklist such bidder from participating in future tenders if sufficient cause exists.

23. Prices shall be inclusive of all Taxes, GST, freight, forwarding, transit insurance, installation, warranty and maintenance charges.

24. The prices shall strictly be submitted in the given format. Offered price should be inclusive of all applicable taxes and levies applicable such as Excise, Packing / Forwarding, Insurance etc for destination (anywhere in the Uttarakhand State). Discount if offered, should not be mentioned separately & it

should be included in offered price. Quoted prices shall be inclusive of all taxes except GST. The tax components like GST as applicable shall be mentioned separately in the respective columns.

25. Any effort by a bidder or bidder's agent\consultant or representative howsoever described to influence the UCOST/GoUK in any way concerning scrutiny\consideration\evaluation\comparison of the bid or decision concerning award of contract shall entail rejection of the bid.

26. Late Bids: Late or delayed bid will not accepted. The bidder will not be able to submit the bid after final bid submission date and time.

27. Modification and Withdrawal of Bids

27.1. The Bidder may modify or withdraw its bid before the due date of bid submission.

27.2. No bid will be allowed to be modified subsequent to the final submission of bids.

27.3 No bid will be allowed to be withdrawn in the interval between the deadline for submission of bids and the expiry of the bid validity. Withdrawal of a bid during this interval will result in the forfeiture of bidder's E.M.D.

28. Bids will be opened on specified day and time in the presence of Bidder's representatives, who choose to attend. The bidder's representatives who are present shall sign a Register/attendance sheet evidencing their attendance. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this bid process. In the absence of the bidder(s) representatives, the Tender Committee may choose to open the bids as per the prescribed schedule.

29. The Bidder's names, Bid modifications or withdrawals, discounts and the presence or absence of relevant Tender fee &E.M.D. and such other details as UCOST/GoUK officer(s) at their discretion, may consider appropriate, will be announced at the opening. Bids without Tender fee & EMD will be liable to be rejected.

### **30.Evaluation of the Bids:**

31. The bidder will have to offer the inspection in the manner as decided by UCOST before delivering to the respective site or at customer sites. The cost of the same has to be borne by the supplier Any deviation found in the specification of the produced goods from the bid specification will lead to the cancellation of the order, forfeiture of EMD/PBG and prohibition in the participation in the future purchase of Government of Uttarakhand. UCOST/GoUK will not be responsible for any time delay that may arise due to any deviation from the bid technical specification found at the time of inspection and the bidder has to deliver and install the ordered goods within prescribed time limit.

32. The Indenter's right to inspect, test and, where necessary, reject the Goods after the Goods arrival at Customer's Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

33. Delivery & Demonstration: Within 60 days from the date of confirmed purchase order.

34. In case successful bidder is found in breach of any condition(s) of bid or supply order/work order, at any stage during the course of supply installation or warranty period, the legal action as per rules/laws, shall be initiated against the successful bidder and EMD/PBG shall be forfeited, besides. debarring and blacklisting the bidder concerned for the time period as decided by Govt., for further dealings with UCOST/GoUK.

35. Bid validity will be of 180 days after the date of financial bid opening. A bid valid for shorter period shall be rejected as non-responsive. If required, UCOST may extend the bid validity for further period from the date of expiry of bid validity in consultation with the successful bidder.

### **36. Warranty and Performance Guarantee**

36.1. The Bidder shall be responsible for the Comprehensive guarantee of promised activities, warranty support for a minimum period of 2 years from the date of acceptance of goods by purchaser for the equipment to be supplied including subscription of the related equipment/devices components, if any, as specified in technical specifications. In case where some of the components come with OEM warranty support longer than 2 years, bidder shall extend the same to purchaser.

36.2. In the event that the materials supplied or service provided do not meet the specifications and/or are not in accordance with the drawings data in terms of this order, and rectification is required at site, UCOST shall notify the Vendor giving full details of difference. The Vendor shall attend the site within seven (7) days of receipt of such notice to meet and agree with representatives of UCOST/GoUK, the action required to correct the deficiency. If the Vendor fail the attend meeting at site within the time specified above, GoUK shall be at liberty to rectify the work/materials and Vendor shall reimburse GoUK all costs and expenses incurred in connection with such trouble or defect.

36.3. If any manufacturing or other technical defects are found within the warranty period, the same will have to be replaced or rectified free of cost by the bidder.

36.4. Maintenance service: the Bidder shall provide tree maintenance services during the period of warranty.

### **37. Penalty Clause**

37.1. Penalties for delay in delivery and installation:

a) If the bidder fails to deliver and install the requisite devices, equipment, hardware or software within 60 days of the issue of the confirmed Purchase Order, then a sum equivalent to 0.5% of the Total Contract Value shall be deducted from the payment for each calendar week of delay or part thereof.

b) The amount of penalties for delay in delivery and installation shall be subject to a maximum limit of 10% of the total contract value.

c) Delay in excess of 15 weeks will be sufficient to cause for termination of the contract. In that case the Performance Bank Guarantee of the bidder will be forfeited.

d) In case, the selected bidder does not supply the ordered items for any reason, he will be liable to pay the difference amount to the purchaser, over and above the Performance Guarantee, which indenter departments\Boards\Corporations have to pay to the next or other selected bidder for purpose of the said items.

e) In case, the services of the mentor appointed by the bidder is not satisfactory or his behaviour is detrimental to the discipline of the institution he/she is engaged in, the bidder shall replace the mentor within days by an experienced and qualified person, failing which UCOST will appoint a suitable person at the cost of the successful bidder. The vendor will submit all particulars, identity details of mentor(s) appointed to UCOST for security reasons.

37.2. Operational / Warranty period Penalties:

a) During the warranty period, supplier should attend the complaint within 48 hours from logging of complaint. Supplier has to resolve the problem as soon as possible, maximum up to 30 days from the complaint. Beyond 30 days if the complaint is not resolved, the bidder will be required to arrange for an immediate replacement of equivalent or higher equipment within one week till the complaint is not resolved. Failure to arrange for the immediate repair/replacement within one week will be liable for the penalty of 0.5% per week of the original purchase value for that equipment will be levied. The amount of penalty will be recovered from the Performance bank guarantee during warranty period.

b) The Bidder/System Integrator will be required to co-ordinate with UCOST or Authorized Officer from Selected schools and/or do liasioning with other service providers to achieve the end-to-end connectivity.

c) The Successful bidder has to submit Security Deposit in the form of Demand Draft, Fixed Deposit or Performance Bank Guarantee @ 10% of total order value before issue of Purchase order as per bid requirements. In any case, bidder is required to maintain 10% PBG at all time during the period of contract. In case of any penalty claimed from the submitted PBG during the contract period, the successful bidder is required to submit the additional PBG of the amount equal to the penalty claimed for the duration up to the validity of original Bank Guarantee. For example, "X" amount of penalty will be claimed during the 5th month of contract period, thereafter bidder is required to submit the additional PBG of "X" amount for the period of 10 months i.e. 15 months - 5 months.

d) in case of bidder is found in breach of any condition(s) of bid or supply order/work order, at any stage during the course of supply/installation or warranty period, the legal action as per rules/laws, shall be initiated against the bidder and EMD/PBG shall be forfeited, besides debarring and blacklisting the bidder concerned for the time period as decided by Govt., for further dealings with GoUK.

38. Payment: Payment for Goods and Services shall be made by Purchasing Department in Indian Rupees as follows:

38.1. No advance payment will be made.

38.2. 70% payment after successful delivery of the ordered goods. Bidders are required to obtain acknowledgement of delivery of goods from authorized official at the place of delivery of goods and submit the same along with the respective Invoice.

38.3. 20% payment will be made after successful installation, commissioning & functional training of the ordered goods.

38.4. Remaining 10% will be made after completion of 12 onsite training at all schools, CSCs RSM where STEM Education and innovation centre is established under this tender.

39. UCOST reserves the right to change any bid condition of any item even after inviting the bids, with/without prior notification.

40. GoUK/UCOST's Right to accept any Bid and to reject any or all Bids: GoUK/UCOST reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to awarding the Contracts, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for such decision.

41. The bid quantities are estimated based on the receipt of the requirement from Indenting Department. The quantities may decrease or increase at the time of finalization, depending upon the change in the requirements/grants available with the purchaser(s), which shall be binding to the bidder.

42. Limitation of Vendor's Liability: Vendor's cumulative liability for its obligations under the contract shall not exceed the contract value and the vendor shall not be liable for incidental, consequential, or indirect damages including loss of profit or saving.

43. All correction/addition/deletion shall require authorized countersign.

44. Force Majeure shall mean and be limited to the following:

a) Fire, explosion, cyclone, earthquake, flood, tempest, lightning or other natural physical disaster;

b) War/hostilities, revolution, acts of public enemies, blockage or embargo;

c) Any law, order, Riot or Civil commotion, proclamation, ordinance, demand or requirements of any Government or authority or representative of any such Government including restrictive trade practices or regulations;

d) Strikes, shutdowns or labour disputes which are not instigated for the purpose of avoiding obligations herein, or;

e) Restrictions imposed by the Government or other statutory bodies which prevents or delays the execution of the order;

f) Any other circumstances beyond the control of the party affected;

The BIDDER shall intimate UCOST by a registered letter duly certified by the local statutory authorities, the beginning and end of the above causes of delay within seven (7) days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting over two months, if arising out of causes of Force Majeure, Purchaser reserves the right to cancel the order. Delivery & Installation period may be



extended due to circumstances relating to Force Majeure by the Purchaser. Bidder shall not claim any further extension for delivery & installation or completion of work. UCOST shall not be liable to pay extra costs under any circumstances. The BIDDER shall categorically specify the extent of Force Majeure conditions prevalent in their works at the time of submitting their bid and whether the same have been taken in to consideration or not in their quotations. In the event of any Force Majeure cause, the BIDDER shall not be liable for delays in performing their obligations under this order and the delivery dates can be extended to the BIDDER without being subject to price reduction for delayed deliverables, as stated elsewhere.

It will be prerogative of Purchaser / UCOST to take the decision on force major conditions and Purchaser decision will be binding to the bidder.

#### 45. Use of Agreement Document & Information:

45.1. The Vendor shall not without prior written consent from UCOST/GoUK disclose the Agreement or any provision thereof or any specification, plans, drawings, pattern, samples or information furnished by or on behalf of UCOST/GoUK in connection therewith to any person other than the person employed by the Vendor in the performance of the Agreement. Disclosure to any such employee shall be made in confidence and shall extend only as far as may be necessary for such performance.

45.2. The Vendor shall not without prior written consent of GoUK/UCOST make use of any document or information made available for the project except for purposes of performing the Agreement.

45.3. All project related documents issued by GoUK/UCOST other than the Agreement itself shall remain the property of GoUK/UCOST and Originals and all copies shall be returned to GoUK/UCOST on completion of the Vendor's performance under the Agreement, if so required by the GoUK/UCOST.

#### 46. Assignment & Sub-Contraction:

46.1. Assignment by Vendor: The Vendor shall not assign, in whole or in part, its rights and obligations to perform under the Agreement to a third party, except with the prior written consent from GoUK/UCOST

46.2. Sub contracts: The Vendor shall notify the GoUK/UCOST in writing of all subcontracts awarded under the Contract Agreement. Such notification shall not relieve the Vendor from any liability or obligation under the Agreement. The Vendor shall fully indemnify GoUK/UCOST for any claims/damages whatsoever arising out of the Sub contracts.

#### 47. Resolution of Disputes:

47.1. If any dispute arises between the Parties hereto during the subsistence or thereafter, in connection with the validity, interpretation, implementation or alleged material breach of any provision of the Agreement or regarding a question, including the questions as to whether the termination of the Contract Agreement by one Party hereto has been legitimate, both Parties hereto shall endeavour to settle such dispute amicably. The attempt to bring about an amicable settlement is considered to have failed as soon as one of the Parties hereto, after reasonable attempts [which attempt shall continue for not less than 30 (thirty) days, give 15 days' notice thereof to the other Party in writing.

47.2. In the case of such failure the dispute shall be referred to a sole arbitrator or in case of disagreement as to the appointment of the sole arbitrator to three arbitrators, two of whom will be appointed by each Party and the third appointed by the two arbitrators.

47.3. The place of the arbitration shall be Dehradun, Uttarakhand.

47.4. The Arbitration proceeding shall be governed by the Arbitration and Conciliation Act of 1996 as amended.

47.5. The proceedings of arbitration shall be in English language.

47.6. The arbitrator's award shall be substantiated in writing. The arbitration tribunal shall also decide on the costs of the arbitration procedure.

47.7. The Parties hereto shall submit to the arbitrator's award and the award shall be enforceable in any competent court of law.

**48. Project Implementation:**

48.1. UCOST will be In-Charge of the Project and all supply of items will be undertaken by them. All Invoices, Vouchers, Bills for supplied goods and services by the Supplier under the scope of the work will be verified, measured and accepted by the UCOST Officer-In- Charge.

48.2. The Vendor shall provide training, if required, to Personnel at UCOST or at Selected Colleges/Schools in the state at no extra cost. The training schedule, content and modalities will be defined jointly by both the parties.

48.3. Any damage caused to the property of UCOST/ STEM, Innovation Centre in schools while executing the job shall be solely Vendor's responsibility. In case any damage to the property is caused, the same will be recovered from the Vendors. No extra cost shall be paid to the Vendor for such reasons.

48.4. In the event of the delay in delivery of contracted services or services is not satisfactory the UCOST may procure goods from elsewhere as prescribed in bid and Vendor shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the contract for the goods involved i.e. at the risk and cost of the Vendor.

48.5. The Supplier shall be responsible and take required insurance for all of their representations working on the site at their own cost. UCOST will not be responsible for any loss or damage to any of the representatives on materials of the Supplier during the said contract.

48.6. All work shall be performed and executed by the Supplier in strict conformity with the Officer-in-Charge / representative from UCOST and any relative instruction issued to the Supplier by the Officer-in-charge time to time.

49. Pre-bid Clarifications: The Clarifications related to this RFP, if any, should be submitted in writing to UCOST at least 1 day before pre-bid meeting date & time. Thereafter the clarifications received from the vendors will not be entertained.

Your bid should be submitted on or before 14<sup>th</sup> Dec, 2023 at 16:00 Hours. Proposals after due time period will not be accepted.

The Technical Bids will be opened on 14<sup>th</sup> Dec, 2023 at 11:30 Hours at UCOST, Vigyan Dham, Jhajra, Chakrata Road, Dehradun-248015 in the presence of the committee members and representatives of the bidders, who have submitted valid bids. Only one representative from each bidder will be allowed to attend the tender opening. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process.

**Please address all queries and correspondence to-**

**Director General,  
UCOST , Vigyan Dham, Jhajra  
Chakrata Road, Dehradun-248015  
Phone No. 0135-2976266 E-mail: [ucost@ucost.in](mailto:ucost@ucost.in)**

## **SECTION V - BoQ with Technical Specifications**

**Bill of Quantity with Minimum and suggestive Technical Specifications of devices / equipment(Please quote for higher or equivalent specifications if this is not available). If any kit essentially needs other components for activities, these must be supplied and specified in the offer.**

### **1 Basic Electronics Kit (per set for 1 school)**

| S.No. | Requirement               | Quantity per kit |
|-------|---------------------------|------------------|
| 1     | breadboard                | 1                |
| 2     | male to male connectors   | 30               |
| 3     | battery cap with male pin | 2                |
| 4     | POT 10 K                  | 1                |
| 5     | push switch               | 6                |
| 6     | Red led                   | 10               |
| 7     | Green led                 | 10               |
| 8     | Blue led                  | 10               |
| 9     | power led                 | 1                |
| 10    | LDR                       | 2                |
| 11    | Resistor 220              | 10               |
| 12    | Resistor 330              | 10               |
| 13    | Resistor 1k               | 10               |
| 14    | Resistor 4.7K             | 10               |
| 15    | 10k                       | 10               |
| 16    | 100k                      | 10               |
| 17    | 1M                        | 10               |
| 18    | buzzer                    | 1                |
| 19    | toy motor & fan blade     | 1                |
| 20    | 7805                      | 1                |
| 21    | LM358                     | 1                |
| 22    | Preset 10k                | 2                |
| 23    | Preset 50k                | 2                |
| 24    | Preset 100k               | 2                |
| 25    | Transistor 2N2222         | 2                |
| 26    | Transistor 548            | 2                |
| 27    | Transistor 558            | 2                |
| 28    | capacitor 1000uf          | 1                |
| 29    | capacitor 100uf           | 2                |
| 30    | capacitor 10uf            | 2                |
| 31    | IC 555                    | 1                |
| 32    | IC 4017                   | 1                |
| 33    | capacitor 103pf           | 4                |
| 34    | capacitor 104pf           | 4                |
| 35    | 1n4007                    | 10               |
| 36    | 1n4148                    | 4                |
| 37    | IR Transmitter            | 1                |

|    |                         |   |
|----|-------------------------|---|
| 38 | IR Receiver             | 1 |
| 42 | battery cap with dc pin | 1 |
| 43 | battery                 | 2 |
| 44 | 5v relay                | 1 |
| 45 | 1M Ribbon wire          | 1 |
| 46 | PCB                     | 5 |
| 47 | Simple dc motor         | 1 |

- List of activities be added

## **2 Electronics Advanced Kit (per set for 1 school)**

| S.No. | Requirement   | Quantity per kit                      |
|-------|---|---------------------------------------|
| 1     | Gate IC, Timer IC   | 10 Each                               |
| 2     | LED different Color (Yellow, Green, White)  | 01 Packet of 100 LED Each             |
| 3     | Resistor, Capacitor, Inductor (Different Value)   | 01 Packet of assorted components Each |
| 4     | Battery 9V  | 2                                     |
| 5     | IC Tester   | 01                                    |
| 6     | Voltage Regulator   | 10                                    |
| 7     | Transistor (NPN, PNP)   | 01 Packet each                        |
| 8     | Speaker   | 10                                    |
| 9     | Buzzer  | 10                                    |
| 10    | Sensors (IR, Touch, Humidity, Colour, Ultrasonic, Microphone, Temperature, Proximity, Light, Metal )                | 02 Each                               |
| 11    | Relay (Different Value)   | 05                                    |
| 12    | Diode (Different Value)   | Each per packet                       |
| 13    | Motor dc  | 05                                    |
| 14    | Switch  | 10                                    |
| 15    | Lamp  | 10                                    |
| 16    | Fuse  | 10                                    |
| 17    | Arduino Uno   | 1                                     |
| 18    | LCD 16x2 display  | 1                                     |
| 19    | Bluetooth module (HC-05)  | 1                                     |
| 20    | GSM module  | 1                                     |
| 21    | Seven segment Display   | 5                                     |
| 22    | Motor driver IC (L293D)   | 1                                     |
| 23    | Connectors  | 1 packet                              |
| 24    | 3-Axis Magneto, resistive Sensors Integrated 12-bit ADC, Range of -8 to +8 Gauss, 160 Hz <i>Maximum Output Rate</i> | 1                                     |
| 25    | Servo Motor   | 1                                     |

- List of activities be added

### **3 Robotics Kit (per set for 1 school)**

| S.No. | Requirement  | Quantity per kit |
|-------|--|------------------|
| 1.    | Light stone gray NXT programable Brick                 | 1                |
| 2.    | Light stone gray rechargeable battery NXT (2100mAh)    | 1                |
| 3.    | Light stone gray NXT electric motor                    | 3                |
| 4.    | Black long pin with friction(one packet)               | 35               |
| 5.    | Black NXT cable 35 cm                                  | 5                |
| 6.    | Mechanical parts - connectors and beams complete set   | 1                |
| 7.    | Black USB cable for NXT (2 meter long)                 | 2                |
| 8     | Sensors(touch, distance, sound, light, colour, motion) | 1 each           |
| 9     | 10V, 700mAh power supply adapter                       | 1                |

- List of activities be added

### **4. Energy Kit (per set for 1 school)**

| S.No. | Requirement                                | Quantity per kit |
|-------|--|------------------|
| 1.    | Solar Panels, 6v-100 mah, (70 x 70 x 03mm) | 10               |
| 2.    | Dynamo                                     | 1                |
| 3.    | Rotor Blades                               | 1                |
| 4.    | Hydro Power Blades                         | 1                |
| 5.    | Wire                                       | 1                |

- List of activities be added

### **5 Drone Kit**

| S.No. | Requirement   | Quantity per kit |
|-------|---|------------------|
| 1.    | Drone with Camera, 2 MP Camera, 150 Ft of operation, 2.4 GHz Remote, Rechargeable battery | 01               |
| 2.    | 3000 RPM Motor with battery and circuit   | 1                |

- List of activities be added

## **6 Mechatronics Kit (per set for 1 school)**

| S.No. | Requirement   | Quantity per kit |
|-------|---|------------------|
| 1.    | Open source Intelligent Brick (with 8-bit Microcontroller or higher )<br>Operating Voltage: 5V<br>Digital sensor RJ 11 connector : 6<br>ANALOG Sensor RJ 11 Connector : 4<br>PWM RJ 11 Connector :2<br>Accessories : Case shell enclosure, compatible USB cable . On- board Equipped with 2.4 Ghz Bluetooth Wi-fi and RF Communication 1.54 inch. Three colour E-ink display, 6.4v LI-ion Battery Powered | 1                |
| 2.    | 300 – ABS Parts for Construction set<br>Compatible with brick for experimentation   | 1                |
| 3.    | Easy to use connector and ports   | 10               |
| 4.    | IR Sensor array   | 1                |
| 5.    | Proximity Sensor  | 1                |
| 6.    | Ultrasonic Sensor   | 1                |
| 7.    | Flame Sensor  | 1                |
| 8.    | Remote Bluetooth, Wi-Fi,RF mode   | 1                |

- List of activities be added

## **7. AR/VR Kit (per set for 1 school)**

| S.No. | Requirement  | Quantity per kit |
|-------|--|------------------|
| 1.    | Mars Globe- <i>Globe kit for School students should include Subject different Science Model: globe and ap takes your child on augmented reality based journey around the world fun. Interactive Education I learn Geography, History, Environment Science, and more kit should cater the need of groups of students and male with durable material with clear information on globe making material on Android. It should be mounted on stand made up of durable high quality material and all required accessories and tools kit/ manual in Hindi.</i> | 1                |
| 2.    | Hexagonal Links- <i>AR-powered STEM puzzles kit. IN THE BOX – Hexagon Link comes with a foldable gamepad. Magnetic Gamepad 15 hexagonal building blocks. The hexagons and the gamepad connect using embedded magnets. A help guide with step- by-step instructions is also included. Kit should be mapped with the free application should have minimum 5 games with 250+</i>  | 1                |

|    |  |   |
|----|--|---|
|    | <i>progressive levels. This games should be designed to suit the learning needs of kids as per their age.</i>  |   |
| 3. | AR Letters Kit- AR-powered STEM kit IIN THE BOX-1 Letter Trunk to Put letter tile 48 Letter tile 1 foldable gamepad (with magnetic play area), help guide. Kit should be mapped with the free application. Application should have options to identify spelling from trunk and 50+ levels for student use.   | 1 |
| 4. | Coding Kit- AR Powered STEM Kit In The BOX2 frames5 figurines (draw, rotate, slide, and 2 function figurines). Option to Attach the 2 frames on the sides of tablet and place the figurines in their slots. Kit should be mapped with the free application. Application should have 3 different games with 200+ CHALLENGES on medical related field that become increasingly difficult as child play through them. A child could play and learn from it for a much longer period progressing to advanced levels. | 1 |
| 5. | Interactive Doctor Kit-AR Powered STEM Kit In THE BOX4 frames, 12 unique figurines-stethoscope, thermometer, medicine bottle, X-ray, bandage, flashlight, magnifier, scissors, spray, syringe BP pump, and ultrasound. Attach the frames to keep tablet in place. Kit should be mapped with the free application. Application should have Feature to practice medical moves using the figurines on screen  | 1 |

- List of activities be added

### **8. Tool Kit (per set for 1 school)**

| S.No. | Requirement             | Quantity per kit |
|-------|-------------------------|------------------|
| 1.    | Spanner set             | 1                |
| 2.    | Crimper tool            | 1                |
| 3.    | Hammer drill 13         | 1                |
| 4.    | Pc HSS drill bit 1      | 1                |
| 5.    | Concrete drill bit      | 1                |
| 6.    | Peg board               | 2                |
| 7.    | Glue stick              | 50               |
| 8.    | Hot glue gun            | 1                |
| 9.    | DE soldering pump       | 1                |
| 10.   | Soldering iron          | 2                |
| 11.   | Variable soldering iron | 1                |
| 12.   | Soldering wire          | 2                |
| 13.   | Soldering helping hand  | 2                |
| 14.   | PVC insulation tape     | 4                |
| 15.   | Multimeter              | 2                |
| 16.   | Nuts and Bolts          | 1                |

|     |                |   |
|-----|----------------|---|
| 17. | Cable Tie      | 1 |
| 18. | Power Strip    | 2 |
| 19. | Storage        | 1 |
| 20. | Safety Goggles | 5 |

### 9 Misc. Kit components **(per set for 1 school)**

| S.No. | Requirement                                    | Quantity per kit |
|-------|--|------------------|
| 1.    | Slides on different biological specimen        | 30               |
| 2.    | Microscope with Magnification 10X,40X and 100X | 2                |
| 3.    | Portable Weighing Balance (Electronic)         | 1                |
| 4.    | 3D Pen with filament                           | 2                |
| 5.    | PH Meter - With Chemicals                      | 1                |
| 6.    | TDS Meter                                      | 1                |

### 10 Telescope **(per set for 1 school)**

| S.No. | Requirement   | Quantity per kit                    |
|-------|---|-------------------------------------|
| 1.    | Basic Newtonian reflector 700 Focal length telescope with 75mm objective mirror | 1 with accessories                  |
| 2.    | Barlow lense interchangeable eyepieces of 35X, 56X, 150X magnification power    | 3 eyepieces of 20mm, 12.5mm and 4mm |
| 3.    | Tripod stand for mounting the telescope   | 1                                   |
| 4.    | Solar Filter for the telescope  | 1                                   |
| 5.    | Telescope packing box   | 1                                   |



**11.NCERT Science and Mathematics Kits (per set for 1 school)**

| S.No | Requirement                             | Quantity |
|------|---|----------|
| 1    | Upper Primary science kit               | 01       |
| 2    | Secondary Science Kit.                  | 01       |
| 3    | Sr. Secondary micro scale Chemistry Kit | 01       |
| 4    | Solid State Kit                         | 01       |
| 5    | Molecular Model Kit.                    | 01       |
| 6    | Upper Primary Mathematics Kit.          | 01       |
| 7    | Secondary Mathematics Kit.              | 01       |
| 8    | Secondary Science Kit (Biology)         | 01       |
| 9    | Secondary Science Kit (Physics)         | 01       |
| 10   | Secondary Science Kit (Chemistry)       | 01       |

**Note:** Make/Model Nos. given above are desired, however, bidder may quote any other similar and equivalent make or model as well as more such kits

**12. Furniture and Accessories: (per set for 1 school)**

| S.No | Requirement   | Quantity |
|------|---|----------|
| 1    | Tables(4'x2') – in Engineering Board 3 Feet Height                          | 06       |
| 2    | Stools/chairs   | 30       |
| 3    | Instructor Table: (4'x2') – in Engineering Board 3 Feet and Revolving Chair | 01 Each  |
| 4    | Central Work Table( 6'x3') in Engineering Board 3 Feet Height               | 02       |
| 5    | Kit storage cupboards(4'x7'x2')   | 02       |

## SECTION VI- Financial Bid

| Sr. no | Items   | Total QTY | Unit Price with 2 Years Warranty consisting the items as per the technical bid ( in Rs. ) | RATE OF GST (%) | Total Price (in Rs.) |
|--------|---|-----------|---|-----------------|----------------------|
| 1      | Advance Electronics kit   | 95        |   |                 |                      |
| 2      | Drone Kit   | 95        |   |                 |                      |
| 3      | Basic Electronics Kit   | 95        |   |                 |                      |
| 4      | Energy Kit  | 95        |   |                 |                      |
| 5      | AR/VR Kit   | 95        |   |                 |                      |
| 6      | Telescope   | 95        |   |                 |                      |
| 7      | <p><b><u>NCERT Science and Mathematics Kits :</u></b></p> <p>a. Upper Primary Science Kit.<br/> b. Secondary Science Kit.<br/> c. Sr. Secondary micro scale<br/> d. Chemistry Lab Kit.<br/> e. Solid State Kit.<br/> f. Molecular Model Kit.<br/> g. Upper Primary Mathematics Kit.<br/> h. Secondary Mathematics Kit.<br/> i. Secondary Science Kit (Biology)<br/> j. Secondary Science Kit (Physics)<br/> k. Secondary Science Kit (Chemistry</p> | 95 Each   |   |                 |                      |
| 8      | Mechatronics Kit  | 95        |   |                 |                      |
| 9      | Furniture and accessories   | 95        |   |                 |                      |
| 10     | Robotics Kit  | 95        |   |                 |                      |
| 11     | Miscellaneous Kit components  | 95        |   |                 |                      |

|    |  |    |  |  |  |
|----|--|----|--|--|--|
| 12 | Tool Kit   | 95 |  |  |  |
| 13 | Mentor (Min M.Sc./B.Tech/B.Sc. Trained for one year(salary and other incidentals)) | 95 |  |  |  |

**Note:**

- The Bidder shall quote for all the line items as specified above. Incomplete bid will not be accepted and lead to rejection of the bid. We require only single agency who will supply all the equipments.
- Make/Model Nos. given above are desired, however, bidder may quote any other similar and equivalent make or model
- Financially L1 bidder will be the lowest sum total of rate without tax.
- The Bidder shall explicitly mention the applicable rate of GST.
- Rate to be filled should be inclusive of Excise, Packing/ Forwarding, Insurance, FOR destination and with applicable warranty.
- Demonstration of the above mentioned materials should be carried out by the successful bidder at UCOST, Dehradun or any School across Uttarakhand as informed by UCOST
- The Quantity of above 12 STEM Kits may be increased or decreased by 50% as per requirement (as per section IV of the Financial bid).



**Uttarakhand State Council for Science & Technology**  
**VigyanDham, Jhajra, Chakrata Road,**  
**Dehradun -248015 (Uttarakhand)**

*Proforma for agencies interested in providing Services for “STEM and Innovation Centres’  
in Uttarakhand (Additional sheets may be attached for detailed information, wherever  
necessary)*

|     |   |  |
|-----|---|--|
| 1.  | Name of the Agency/Firm/Organisation  |  |
| 2.  | Full Postal Address   |  |
| 3.  | Telephone Nos.  |  |
| 4.  | E-mail  |  |
| 5.  | a. PAN<br>b. Registration No.<br>c. GST Reg.No.<br>(Please attach copies)   |  |
| 6.  | Type of Organisation( Please attach Bye-Laws, registration certificate, whichever is applicable)  |  |
| 7.  | Name of the Professional Qualification of the Chairman/head and Board members   |  |
| 8.  | Number of Professionally qualified staff employed in the organisation   |  |
| 9.  | No. of subordinate staff employed in the organisation   |  |
| 10. | Whether the organisation has in-house expertise to develop hands-on and experiential learning resource material/kits. List of resource material developed be attached.                                |  |
| 11. | If there is no in-house facility, name & full address of its associate and the no. of professionally qualified staff with the associate. List of resource material that would be procured be annexed. |  |
| 12. | Details of experience in setting up of STEM and Innovation centres  |  |
| 13. | Experience in providing facility in Primary/Middle/Secondary/Higher   |  |

|     |  |  |
|-----|--|--|
|     | Secondary/College. Please specify.   |  |
| 13  | Whether any evaluation/impact study was conducted on similar mobile laboratory programme. If yes, please attach reports.           |  |
| 14  | List of activities under the programme   |  |
| 15. | List of State Governments/Clients to whom such services of STEM and Innovation centres. Pl attach copies of orders/MOU's/Contracts |  |
| 16  | Whether the agency has any office/setup in Uttarakhand? If Yes, details thereof  |  |
| 17  | Copies of audited accounts of last three years ending March, 31, 2023 may be attached  |  |
| 18  | Copies of ITR along with balance sheets for last three consecutive years ending March 2023 may be attached.                        |  |

Certified that the information furnished above are true to the best of my/ our knowledge. It is hereby declare that I/we will abide by the decision of UCOST on selection of competent agency.

Date:

Signature with office seal & Date

N.B: 1. Enclosure (s) may be used where the space provided is inadequate.  
2. Last date of submission March 20, 2023

## Section VII – Eligibility Supporting Annexure

### Annexure-II

#### Bid Processing Fees & Earnest Money Deposit Details

| Sr. No. | Sr. No.                        | Amount (In Rs.) | Name of the Bank & Branch | Demand Draft No. |
|---------|--------------------------------|-----------------|---------------------------|------------------|
| 1       | Bid Processing Fees            |                 |                           |                  |
| 2       | Earnest Money Deposit (E.M.D.) |                 |                           |                  |

### ELIGIBILITY CRITERIA

#### Form No. E1: Financial strength of the bidder

| Financial Year | Turnover (Rs. Lakh) | Audited Accounts uploaded? (Yes/No) |
|----------------|---------------------|-------------------------------------|
| 2020-21        |                     |                                     |
| 2021--22       |                     |                                     |
| 2022-23        |                     |                                     |
| Grand Total    |                     |                                     |

Note: Please fill this form and upload the Audited Annual Accounts / Balance Sheet along with Profit & Loss Account for the last three financial years

**Form No. E2: Company Registration**

| Sr. No. | Name of Bidder | GST Registration | Copy of GST Registration Submitted |
|---------|----------------|------------------|------------------------------------|
| 1       |                |                  |                                    |

Note: Please fill this form and upload the supporting documents. Form No. E3: Office in Uttarakhand

**Form No. E3: Office in Uttarakhand**

| Sr. No. | Address | Contact Person | Contact Nos. | Type of supporting document attached |
|---------|---------|----------------|--------------|--------------------------------------|
| 1       |         |                |              |                                      |
| 2       |         |                |              |                                      |

Note :You may mention more than one office (if applicable) by adding multiple rows which may be added by "NUMBER OF ROWS TO ADD".

**Form No. E4: Experience in Supply of STEM Kits/ Devices / Equipment**

| Sr. No. | Name of the Customer | Address of the Installation | Start Date of Project | Completion Date of the Project | Scope of Work | Value of the project (in Rs.) |
|---------|----------------------|-----------------------------|-----------------------|--------------------------------|---------------|-------------------------------|
| 1       |                      |                             |                       |                                |               |                               |
| 2       |                      |                             |                       |                                |               |                               |
| 3       |                      |                             |                       |                                |               |                               |

**Note: Please fill this form and attach the supporting documents.**

## **SECTION VIII- Annexure / Forms**

**Performa of Compliance letter/Authenticity of Information Provided  
(On Non judicial Stamp paper of Rs. 100/- duly attested by the First class Magistrate/Notary  
Public)**

Date:

To,

Director General

Uttarakhand State Council for Science and Technology (UCOST)

Vigyan Dham, Jhajra

Chakrata Road

Dehradun-248015

**Sub: Compliance with the tender terms and conditions, specifications and Eligibility Criteria**

Ref: RFP for setting up of STEM and Innovation Centres(Jigyasa Kaksh) for school Students for UCOST, Dehradun (Tender No. **UCS&T/Tender/STEM/24876** Dated: **22 Dec, 2023**).

Dear Sir,

With reference to above referred tender, I, undersigned <<Name of Signatory>>, in the capacity of <<Designation of Signatory>>, is authorized to give the undertaking on behalf of <<Name of the bidder>>.

We wish to inform you that we have read and understood the technical specification and total requirement of the above mentioned bid submitted by us on DD.MM.YYYY.

We hereby confirm that all our quoted items meet or exceed the requirement and are absolutely compliant with specifications mentioned in the bid document.

We also explicitly understand that all quoted items meet technical specification of the bid & that such technical specification overrides the brochures/standard literature if the same contradicts or is absent in brochures. In case of breach of any tender terms and conditions or deviation from bid specification other than already specified as mentioned above, the decision of UCOST Tender Committee for disqualification will be accepted by us.

The Information provided in our submitted bid is correct. In case any information provided by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/ PBG/cancel the award of contract. In this event, UCOST reserves the right to take legal action on us.

Thankingyou,

Dated this

day of

Signature:

(In the Capacity of):

YYYYDuly authorized to sign bid for and on behalf of

Note: This form should be signed by authorized signatory of bidde



## SECTION IX- PBG

### **Performa of Contract-cum-Equipment**

### **Performance Bank Guarantee (To be stamped in accordance with Stamp Act)**

To

Name & Address of the Purchaser/Indenter

Bank Guarantee No. Date:

Dear Sir,

In consideration of Name & Address of the Purchaser/Indenter, Government of Uttarakhand, Dehradun (hereinafter referred to as the OWNER/PURCHASER which expression shall unless repugnant to the context or meaning thereof include successors, administrators and assigns) having awarded to M/s having Principal Office at Vigyan Dham, Jhajra, Chakrata Road, Dehradun-248015,Uttarakhand.

(Hereinafter referred to as the "SELLER" which expression shall unless repugnant to the context or meaning thereof include their respective successors, administrators, executors and assigns) the supply of by issue of Purchase Order No..... Dated

issued by <<GOG Department>> for and on behalf of the OWNER/PURCHASER and the same having been accepted by the SELLER resulting into CONTRACT for supplies of materials/equipments as mentioned in the said purchase order and the SELLER having agreed to provide a Contract Performance and Warranty Guarantee for faithful performance of the aforementioned contract and warranty quality to the OWNER/PURCHASER, having Head Office at (hereinafter referred

(Rupees

to as the 'Bank' which expressly shall, unless repugnant to the context or meaning thereof include successors, administrators, executors and assigns) do hereby guarantee to undertake to pay the sum of Rs. to the OWNER/PURCHASER on demand at any time up to without a reference to the SELLER. Any such demand made by the OWNER/PURCHASER on the Bank shall be conclusive and binding notwithstanding any difference between Tribunals, Arbitrator or any other authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that the guarantee herein contained shall continue to be enforceable till the OWNER/PURCHASER discharges this guarantee. OWNER/PURCHASER shall have the fullest liberty without affecting in any way the liability of the

Bank under this guarantee from time to time to extend the time for performance by the SELLER of the aforementioned CONTRACT. The OWNER/ PURCHASER shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the SELLER, and to exercise the same at any time in any manner, and either to enforce to forebear to enforce any covenants contained or implied, in the aforementioned CONTRACT between the OWNER/PURCHASER and the SELLER or any other course of or remedy or security available to the OWNER/PURCHASER.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHASER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PURCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the Seller's liabilities.

Notwithstanding anything contained herein above our liability under this Guarantee is restricted to Rs. (Rupees ) and it shall remain in force up to and including time for such period as may be desired by the and shall be extended from time to SELLER on whose behalf this guarantee has been given.

Dated at ----- on this ----- day of----- YYYY

Signed and delivered by

For & on Behalf of

Name of the Bank & Branch &

Its official Address

List of approved Banks

Dated.....

**Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Dehradun,Uttarakhand) as per the G.R. no. EMD/10/2021/7729/DMO 28.06.2021 [https://financedepartment.gujarat.gov.in/Documents/DMO\\_2437\\_28-Jun-2021\\_27.pdf](https://financedepartment.gujarat.gov.in/Documents/DMO_2437_28-Jun-2021_27.pdf)) issued by Finance Department or further instruction issued by Finance department time to time.**

## Contract Form

THIS AGREEMENT made the -----day of-----YYYY-----  
Between-----

----- (Name of purchaser) OF -----(Country of

Purchaser) hereinafter "the Purchaser" of the one part and (Name of Supplier) of Supplier" of the other part : WHEREAS the

(City and Country of Supplier) hereinafter called "the

Purchaser is desirous that certain Goods and ancillary services viz., (Brief Description of Goods and Services) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of (Contract Price in Words and Figures) hereinafter called "the Contract Price in Words and Figures" hereinafter called "the Contract Price."

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1 In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2 The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

2.1 the Bid Form and the Price Schedule submitted by the Bidder;

2.2 terms and conditions of the bid

2.3 the Purchaser's Notification of Award

3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

5. Particulars of the goods and services which shall be supplied / provided by the Supplier are as enlisted in the enclosed annexure:

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the Said

In the presence of

Signed, Sealed and Delivered by the

Said

In the presence of

(For the Purchaser)

(For the Supplier)