



भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान पुणे
INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE
IISER/PUR/2503/24
PREBID CLARIFICATION ON GeM TENDER NUMBER - GEM/2025/B/6206438

आइटम विवरण- STEM शिक्षा किट की खरीद
Item Description- Procurement of STEM EDUCATION KIT

STEM शिक्षा किट की खरीद के लिए संस्थान की वेबसाइट www.iiserpune.ac.in और GeM पोर्टल पर 09/05/2025 को प्रकाशित खुली निविदा देखें।

Refer to an open tender published on the Institute website www.iiserpune.ac.in and on the GeM Portal on 09/05/2025 for procurement of STEM Education Kit.

प्री-बिड मीटिंग 15/05/2025 को शाम 3.00 बजे आयोजित की गई और बैठक का कार्यवृत्त निम्नानुसार है:

Pre-Bid meeting was held on 15/05/2025 at 3.00 PM and minutes of meeting is as under:

प्रारंभ में, समिति ने सभी सदस्यों और संभावित बोलीदाताओं के प्रतिनिधियों का स्वागत किया और सामान्य तौर पर निविदा के दायरे की जानकारी दी और उसके बाद सहायक कुलसचिव (भंडार एवं क्रय) से बोली लगाने वालों को निविदा की मुख्य विशेषताओं के बारे में जानकारी देने का अनुरोध किया।

At the outset, the committee welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the tender and thereafter requested Assistant Registrar (S&P) to brief the bidders on the salient features of the tender.

उपस्थित प्रतिनिधि दिए गए उत्तरों से संतुष्ट थे और यह सूचित किया गया था कि प्री-बिड कॉन्फ्रेंस के दौरान की गई चर्चा के अनुसार दिए गए सुधार / परिवर्धन / स्पष्टीकरण को IISER पुणे की वेबसाइट पर होस्ट किया जाएगा और सभी संभावित बोलीदाताओं को बोली दस्तावेजों में निर्धारित अनुसार अपनी बोली जमा करने से पहले प्री-बिड सम्मेलन की कार्यवाही का संज्ञान लेना आवश्यक है।

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Pune and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

हमारी आईआईएसईआर वेबसाइट www.iiserpune.ac.in और GeM portal पर जारी नोटिस के अन्य नियम और शर्तें अपरिवर्तित रहेंगी। इस संबंध में और कोई पत्राचार नहीं किया जाएगा।

The other terms & conditions of the notice issued on our IISER website www.iiserpune.ac.in and GeM portal will remain unchanged. No more correspondence in this regard will be entertained.

बैठक अध्यक्ष के धन्यवाद प्रस्ताव के साथ समाप्त हुई।

The meeting ended with vote of thanks to the Chair.

21/05/2025

Sd/-
सहायक कुलसचिव (भंडारण एवं क्रय)
Sr. Assistant Registrar (S&P)

TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION**PRE-BID CONFERENCE FOR ITEM DESCRIPTION- PROCUREMENT OF STEM EDUCATION KIT**

S. No.	Query/Clarification Sought	Clarification / Amendment
1.	<p><u>Eligibility Criteria (Page no. 9)</u></p> <p>The criteria mentions “Copies of at least three Purchase Orders (POs) from the last three years for similar products procured by any of the following institutions: IITs, IISERs, I Sc, NITs, CSIR Labs, DST Institutes, or Government Organizations”. While ThinkTac has worked with various SCERTs and trained over 25,000 teachers, we do not have purchase orders from them. Would it suffice to provide proof of engagement with various state governments and proof of orders from prestigious private schools?</p>	<p><u>Eligibility Criteria (page no. 9)</u></p> <p>Yes, bidder may submit a copy of MoU's or work orders from Government Institutions as proof of engagement. These will be accepted in place of purchase orders.</p>
2.	<p><u>Scope of Work (v) (Page no. 10)</u></p> <p>The document mentions “(v) 5% spare material of the total no of delivery kits should be included at each delivery locations.”. We do not fully understand the requirement and how this has to be delivered. This will also proportionally increase the cost of the product.</p>	<p><u>Scope of Work (v) (page no. 10)</u></p> <p>The spare materials should include 5% extra of each item in the kit—such as rubber bands, balloons, connectors, scissors, batteries (D-type & 9V), paper, straws, etc. This additional material (5% of each item) should be included along with the kits that will be delivered to each specified location across India.</p>
3.	<p><u>Annexure A - Point no. 7</u></p> <p>Compliance & Documentation" (page no. 2), There is a mention of "Innovation Champion Kit and the Master Trainer Kit.". Could you please clarify if the requirements in the section applies to which of the kits mentioned in the RFP?</p>	<p><u>Annexure A - point no. 7</u></p> <p>The section refers to both SET A - Innovative STEM Education Kit and SET B - Master Trainer Kit. The manuals provided with both kits will be similar.</p>

4.	<p><u>Annexure - "1. Creation of a Resource Package" (page no. 2)</u> We are unable to fully understand the effort needed in creating the Resource package. Could a sample of the content / previous resource package version be provided for us to estimate the effort needed? Also, what is the estimated page count of the resource package for estimating the printing cost?</p>	<p><u>Annexure - "1. Creation of a Resource Package" (page no. 2)</u> Yes, a PDF copy of the resource package will be provided. It is a 200-page document and may be used to estimate the printing cost.</p>
5.	<p><u>Annexure - "3 Development of Content for Master Trainer Kit" (page no.3)</u> We generally create content for our activities as in "www.TACTivity.org". Will this content suffice?</p>	<p><u>Annexure - "3 Development of Content for Master Trainer Kit" (page no. 3)</u> The content should follow the format and structure of the resource package. However, bidder's existing content may be reviewed further process.</p>
6.	<p><u>Annexure - "4. Creation of a Resource Package for the Master Trainer Kit"</u> Can we get a sample of the resource package requirements for the Master Trainer Kit? We understand that there is no need to print the resource package, as it will be accessed online. Can you please confirm this?</p>	<p><u>Annexure - "4. Creation of a Resource Package for the Master Trainer Kit"</u> A sample of the resource package may be shared. Please note that a printed (hard) copy of the resource package must be included in the Master Trainer Kit.</p>
7.	<p><u>Annexure C - Set 2 (450 Kits containing following items) iRISE (Master Trainers STEM Education Kit)</u> We assume these materials (Prism and Light Box) are for light related activities. We feel that the Prism, will different increases the cost of the package. Can you please confirm this requirement?</p>	<p><u>Annexure C - Set 2 (450 Kits containing following items) iRISE (Master Trainers STEM Education Kit)</u> These items ((Prism and Light Box)) are excluded from Annexure 'C' (Master Trainers STEM Education Kit)</p>
8.	<p><u>Annexure C - Set 2 (450 Kits containing following items) iRISE (Master Trainers STEM Education Kit)</u> We could see the three of the resistors from this added below and repeating there. Can you please check and remove the duplicates?</p>	<p><u>Annexure C - Set 2 (450 Kits containing following items) iRISE (Master Trainers STEM Education Kit) :</u> Sr. No. 34 is amended as below</p>

	<table><tr><td rowspan="5">34</td><td>Resistor - 330 Ohm , 1 K Ohm , 10 K Ohm , 100 K ohm</td><td>2</td><td>No.</td></tr><tr><td>Resistor - 1 K Ohm</td><td>2</td><td>No.</td></tr><tr><td>Resistor - 10 K Ohm</td><td>2</td><td>No.</td></tr><tr><td>Resistor - 100 K Ohm</td><td>2</td><td>No.</td></tr><tr><td></td><td></td><td></td></tr></table>	34	Resistor - 330 Ohm , 1 K Ohm , 10 K Ohm , 100 K ohm	2	No.	Resistor - 1 K Ohm	2	No.	Resistor - 10 K Ohm	2	No.	Resistor - 100 K Ohm	2	No.				<table><tr><td rowspan="4">34</td><td>Resistor - 330 Ohm</td><td>2</td><td>No.</td></tr><tr><td>Resistor - 1 K Ohm</td><td>2</td><td>No.</td></tr><tr><td>Resistor - 10 K Ohm</td><td>2</td><td>No.</td></tr><tr><td>Resistor - 100 K Ohm</td><td>2</td><td>No.</td></tr></table>	34	Resistor - 330 Ohm	2	No.	Resistor - 1 K Ohm	2	No.	Resistor - 10 K Ohm	2	No.	Resistor - 100 K Ohm	2	No.
34	Resistor - 330 Ohm , 1 K Ohm , 10 K Ohm , 100 K ohm		2	No.																											
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34	Resistor - 330 Ohm	2	No.																												
	Resistor - 1 K Ohm	2	No.																												
	Resistor - 10 K Ohm	2	No.																												
	Resistor - 100 K Ohm	2	No.																												
9.	We understand from this is that the samples have to be submitted only after the technical qualification is complete and the L1 bidder is selected. We believe that the samples of materials / kits, content delivery system demo, resource package etc. should be provided as part of the technical bid qualification process, enabling the technical evaluation to take into account the capabilities of the bidder. We would request a clarification on this.	Tender term prevails																													
10.	<u>Detailed clarification:</u> 1. Annexure A iRISE Cascade STEM Education Kit 2. Annexure C IRISE IC (MT) Activity kit 3. Annexure D iRISE IC (MT) Chemistry activity list (1)	<u>Clarifications pertaining to the following annexure is appended as an attachment:</u> 1. Annexure A iRISE Cascade STEM Education Kit 2. Annexure C IRISE IC (MT) Activity kit 3. Annexure D iRISE IC (MT) Chemistry activity list (1)																													

Annexure A (Innovative STEM Education Kit) - Set 1
(3000 Kits containing following items)

Sr. No.	Activity Name (Assumed)	Materials	Qty	UOM	Clarifications Requested	Comments
1	Magnetic field lines	Bar Magnet - Alnico 3 inch, 5 cm, 1cm, 0.5cm	2	No.	The standard size available of the Alnico magnet is 4.9 cm x 0.8 cm, 0.4 cm thick. Can we pack this size?	Yes
		Pins/paper pin	10	No.	Based on our understanding, 10 nos of pins may not be needed. Can we reduce the qty?	Tender term prevails
		iron nail - 2.5 inch	2	No.	We see a Nail of 2.5 inch is added in #32 (Stationary / Common Materials). Can the same be used here?	Tender term prevails
5	DC Motor	Enamelled Copper Coil - 26 Gauge	2	Meter	We assume that this is the enamelled copper wire' used for preparing the coil. If that is the case, we think a length of 60 cm should suffice.	Tender term prevails
		Single Battery Holder - 1.5 V	1	No.	We believe that these materials are for the DC motor activity. In the design that we use, the following additional materials are needed: AA cell (1.5 V - 1), Sandpaper, paper pin, board pin, cotton thread and the ring magnet	Tender term prevails
6	Spin Balloon	Balloon - round Big size	1	No.	8 big balloons have already been added in #32 (Stationary / Common Materials). Can the same be used here	Tender term prevails
		Nut - Small size	1	No.	In the design we use, a total of 10 small nuts. Can we pack 10 nuts in #32 (Stationary / Common Materials) and re-use in other activities?	Tender term prevails
		Transparent Tape, 15 cm	2	No.	Tape added in #32 (Stationary / Common Materials). Can the same be used here?	Tender term prevails
14	Exploring Area with Geoboard!	Rubber Band medium size	10	No.	This is also part of the Activity 24. Can we merge the Quantity and add it under #32 (Stationary / Common Materials)?	Tender term prevails

17	Number Rope Exploration: Hands-On Learning with Number Lines	Red tape (1.5 cm)	1	No.	What type of tape is required here? Can the tape listed under #32 (Stationary / Common Materials) be used here?	It is a seperate. Tender term prevails
		Rubber bands (Medium size)	4	No.	Rubber bands of same size are listed in Activity 14. Can we merge the Quantity and add it under #32 (Common materails)?	Tender term prevails
		Thread			Thread is added in #32 (Common Material). Can the same used here?	Tender term prevails
29	Geometric shapes using two right angle congruent triangles	Congruent right triangle (Acrylic piece)	2	No.	Can we use a thick cardboard instead of acrylic?	Tender term prevails
		Color tape - 1 inch	1	No.	What type of tape is required here? Can the tape listed under #32 (Stationary / Common Materials) be used here?	Tape may be of any colour. Tender term prevails
		Cello tape small transparent - 1.5 cm	1	No.	Is this one standard roll? Any specific brand?	standard roll of size -2.5' inch
		Marbles Small	2	No.	Which activity are the marbles used in? Can the beads in Activity #23 be used instead of glass marbles?	Glass Marbles

Annexure C - Set 2 (450 Kits containing following items)RISE (Master Trainers STEM Education Kit)

Sr. No.	Activity Name (Assumed)	Material Required for Activity	Qty	UOM	Clarifications requested	Comments
3	Finding micro creatures	Foldscope Instruments set	1	No.	Could you please share the list of individual materials required?	Tender term prevails
		Dissection Box	1	No.	Dissection Box contains forceps. Should this be packed separately?	Tender term prevails
8	Lets Understand Human Digestive System	Clay (4 different color)	1	Set	From the other materials we assume this activity related to Human Digestive System. Could you please reconfirm the materials specifications?	100 gms each cube each colour (Red, blue, green, yellow)
		Copper wire #26Gauge	5	Meter	We believe this is for DC motor Activity that generally needs 60 cm. Can you please confirm qty needed?	Tender term prevails
		Copper wire #20 Gauge	5	Meter	We assume this is used in electromagnetism activity, where we use. In our design, we use 2 meters. Can the qty be reduced?	Tender term prevails
		Sand paper (A4 size)	1	No.	Can we use sandpaper size of 5 cm x 5 cm?	Tender term prevails
		Neodymium magnets (disc) (2cm x 2mm)	2	No.	Can we use the same six magnets already listed in Activity # 31?	Tender term prevails
		Ring magnets (2cm x 2mm)	5	No.	10 Ring magnets are added in Stationary / Common Materials # 48. Can we reuse them here?	Tender term prevails

		Transparent Tape, 15 cm	2	No.	This is packed in the common materials. Can we remove this here?	Tender term prevails
30	Horizontal Levitation	Ring magnet - 17.5mm OD, 7.5 mm ID , 3 mm width	8	No.	10 Ring magnets are added in Stationary / Common Materials # 48. Can we reuse them here?	Tender term prevails
		Pen - Plastic	1	No.		Its requires for both kits. As per requirement.
		Red Coloured cello tape 2 Inch	1	No.	We see a cello tape in Stationary / Common Materials # 48. Can we reuse them here?	Tender term prevails
		Potentiometer - 100 K Ohm (Breadboard)	1	No.	100k ohm is added above and looks like a duplicate.	Tender term prevails
		PVC pipes with a half-inch diameter 3 pieces: 20 cm long 1 and 7 cm long -2	1	Set	The 20 cm pipe used in Activity #26. Can we reuse the same pipe here as well?	Tender term prevails
42	Balancing toy	Wooden Stick	5	No	Dimensions are missing, please provide	8 inch
		Foam Rubber (pieces)	2	No	Dimensions are missing, please provide	5x5 cm, 6 mm
47	Vertical levitattion	pen	1	No	The pen mentioned in Activity # 30, can it be reused here?	Tender term prevails
		Cello tape (1.5 cm)	1	No	We assume this as a common material. Can we pack a roll and use it in the other places?	Yes
		Sticky Notes (4 Colors) Small size	1	Set	We saw a sticky notes of single colour mentioned in Activity # 15. Could you recheck if this is needed as a common material also?	Tender term prevails

		Paper Straw	10	No	This material is found in with qty 1 in the Activity # 11. Could you please confirm the quantity and if the two can be combined?	Tender term prevails
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Annexture D - Set 2 (450 Kits containing following items)
iRISE IC (Master Trainers STEM Education Kit) Chemistry Activity List
 Note - The comments assume that this is being shipped with the IC Kit

Sr. No.	Chemical name	Specification	Qty.	Clarifications requested	Comments
7	Sodium Bicarbonate	20 gm	1	Sodium bicarbonate (20 g) and baking soda (57 g) are separately mentioned. Can we combine these two and add as single material with 77 g ?	
8	(Baking Soda)	57 g	1		Yes, it is acceptable in 100gm
11	Potassium Hydroxide	2 g	1	We would like to undersand the usage of KOH and if it can be substituted by NaOH?	substitute is acceptable
12	Washing Soda (Sodium Carbonate)	15 g	1	We would like to understand the usage of Washing Soda?	Reaction with Vinegar
39	Bixa Seeds	30 seeds	1	We assume bixa seed are used to extract pigment. The number of seeds mentioned is 30	Tender term prevails
41	Red Litmus Paper	1 booklet	3	Each booklet will have 20 strips. The required quantity is 3 booklets i.e 60 strips. Please confirm the quantity needed?	Institute requires 3 booklets
42	Blue Litmus Paper	1 booklet	3		
45	Thermal Paper	15 cm x 8 cm	3	Commented in litmus paper	Institute requires 3 pieces
46	pH Paper	1 booklet	6	Each booklet will have 20 strips. The required quantity is 6 booklets i.e 120 strips. Please confirm the quantity needed?	Institute requires 6 booklets
47	Tissue Paper	10 cm x 10 cm	6		
48	Sandpaper	4 cm x 4 cm	1	In Annexure A, we have sandpaper of 5 cm x 5 cm. Can we pack the same instead of two different sizes?	Institute requires 2 sizes
49	Sand Paper	2 cm x 2 cm	1		
59	Vinegar	195 ml	1	Can you reconfirm the quantity needed?	Institute requires Vinegar 195 ml. However, 200 ml or 250 ml is also acceptable
62	Fragrance oil	1 ml	1	Fragrance oil tends to evaporate and we may want to consider increasing the quantity.	Tender term prevails

63	Oil (Any Oil)	100 ml	1	We have mentioned different types of oil in S.No. 61, 62, 64,65, 67. Do we still need the generic oil of 100 ml or can we increase one of the other oil quantities and reduce the number of containers?	Tender term prevails
64	Vegetable oil	10 ml	1		
66	Essential oil	2 ml	1	Can we merge the qty with #62?	Tender term prevails
67	Oil Mixture	10 ml		The name is mentioned as 'Oil mixture' and only Coconut oil - 10 ml is mentioned in specifications. Also, can this quantity be merged with earlier items to reduce containers?	Tender term prevails
	Castor oil - 10 ml	10 ml	1		
68	Distilled Water	50 ml	1	How will the distilled water be used?	For Acid Base Reaction
80	Graphite Rod	10 cm	9	What is the purpose of the copper strips and can it be reused? Can you recheck the qty?	for Matter - Malleability and DIY battery. Tender term prevails
84	Aluminium Tape	2 cm x 2 cm	1	Do you need Aluminium Tape in two different widths? Can we increase the qty of same	Tender term prevails
86	Teflon Tape	20 cm	1	Can you reuse the transparent tape roll from the Master Trainer list and remove from here?	Tender term prevails
88	LED	RED	7	Can you reuse the thread reel from the Master Trainer list and remove from here?	Tender term prevails
94	Toothpick	6.5 cm length	1	For what purpose the toothpick is used? Can you check the qty as more is generally needed?	Tender term prevails
95	Ice Cream Stick	11 cm x 1.5 cm	7	Can you check the qty as more is generally needed? Also standard width used is 1 cm / 1.8	One packet with 50 pieces is also acceptable.
104	Nut	1 g	40	As the nuts can be reused, can we reduce the number?	Tender term prevails
106	Cycle Spoke	15 cm	6	Similar to nuts, spokes can be reused. Can we reduce these number?	Tender term prevails
113	Ring Magnet	17 mm x 3 mm, 7.2 mm ID	11	Ring magnets can be reused from the Master Trainer kit. Can you please check the overall qty requirement?	Tender term prevails
114	Turbine Template	17% A4, 100 GSM	1		

121	Gloves	Pair of gloves	6	Specification mentions "pair of gloves" and qty is 6? Can you please confirm that 6 pairs are	Tender term prevails
129	Paper Cup	70 ml, with a wider	1	Paper cup is a consumable material. is 1 nos sufficient?	Tender term prevails
133	Plastic Bottle	500 ml	1	This is recycled materia and uses a lot of space in the packaging. Is this needed?	Tender term prevails
137	AA Battery	1.5 V	8	This is a reusable material, can you recheck the qty needed?	Tender term prevails
138	AA Battery Holder	3 V	3		
140	Dropper	3 ml	15	Plastic test tubes and droppers can be reused. Can you relook at the qty?	Tender term prevails
141	Plastic Test Tube	6 ml	15		
147	Plastic Bead	15 mm	1	Specifications are not mentioned for plastic beads.	Tender term prevails