

PO. No.: EdCIL/EIS & EPS/PROC/2024/

11.03.2024

To,

M/s STEM Learning Pvt Ltd,  
1205, Marathon Icon,  
Marathon Nextgen Campus,  
Opp. G.K. Marg, Lower Parel (W)  
Mumbai.

**Subject: Setting up STEM/Science lab in 1 Govt. schools nearby villages as per NTPC CSR-Improving Learning Levels Policy.**

**Ref:** 1.NIT No: EdCIL/EIS & EPS/PROC/2022-23/04, Dated: 11.01.2023

Dear Sir,

1. Your above-mentioned Bid offer submitted on 03.02.2023 has been accepted by the Competent Authority in EdCIL for Setting up of 03 Nos of STEM Lab (class 9 to 12). **Project - "For setting up of 01 Nos of STEM Lab in Govt school in nearby village of NTPC Singrauli"** at a total amount of **Rs. 8,58,818/-** (Rupees Eight- Lakhs Fifty Eight Thousand Eight Hundred Eighteen Only) Inclusive of taxes.
2. The Scope of **"Setting up of 01 Nos of STEM Lab in Govt school in nearby village of NTPC Singrauli (for classes IX to XII)"** with warranties shall be governed as mentioned in the NIT No: EdCIL/EIS & EPS/PROC/2022-23/04 Dated: 11.01.2023.
3. The STEM Lab items /equipments has to be Supplied and Installed in the school identified by NTPC Singrauli :
4. This letter shall form a part of the Contract along with the tender document and all Corrigendum/Addendum, correspondence made for this tender. The agreement has to be signed between **EdCIL (India) Limited & M/s STEM Learning Pvt. Ltd., Mumbai**, on Rs.100 (Rupees One Hundred only) non-judicial stamp paper as per the format given in **Annexure XII** of the Tender Document.
5. As Per Clause No. 11 of Chapter-V 'Instruction to Bidders' (Delivery Schedule), the Supply ,installation and commissioning should be completed within 30 days from the issuance of the Purchase Order. The "Time Schedule" for the broad activities till completion of work to be submitted to EdCIL (India) Limited within 3 (three) days from the date of issue of this Purchase Order.
6. **Service Period:** The duration of the service period shall be shall be 01 year 03 months from the date of issuance of PO.



## 7. Payment Terms:

- i) 80% payment (of total PO value) shall be released after completion of Delivery & Installation of equipment, Baseline Survey and 1<sup>st</sup> Teacher Training.
- ii) 20% payment (of total PO value) shall be released after completion of the project.

**Note:**

- a) The ownership of supplied items shall be with EdCIL / EdCIL's Client and as such EdCIL will process the Invoice of the Supplier only after the receipt of payment from EdCIL's Client for the respective stages.
- b) Valid GST invoice should be prepared and Billed to EDCIL India Limited quoting EDCIL's GST NO and **Place of Delivery is:**

**1004 Singrauli Super Thermal Power Station  
P.O. SHAKTINAGAR, SONEBHADRA SONEBHADRA  
Uttar Pradesh-231222  
India**

## 8) Warranty

8.1 Comprehensive Warranty should be for a minimum period of **One (01) years** from date of successful delivery, installation, commissioning & handing over of STEM Lab at the designated location/schools as per the Tender Document Clause No. 26 of Chapter-V (Instruction to Bidders) and amendment if any.

8.2 The warranty should be comprehensive on site with responsibility of the agency to ensure attending the warranty queries/issues received from NTPC/schools time to time within the Warrantee Period . Supplier should give written information (about the Engineers/ technical representative name and cell numbers) before handing over of the STEM Lab to the Consignee and to the end client's nominated representative/s to attend the issues related to the warranty of the goods supplied under the contract.

8.3 The period for correction of defects in the warranty period is 02 days. If the supplier having been notified fails to remedy the defects within 02 days, the consignee should proceed to take such remedial action as should be necessary, at the supplier's risk and expenses and without prejudice to any other rights, which the consignee should have against the supplier under the contract.

- 9) **Performance Security**: The successful bidder should be required to deposit Performance Bank Guarantee equivalent to **03% of contract value/work order** to EdCIL **within 15 (Fifteen) days** from the date of receipt of Purchase Order. The Performance Bank Guarantee should be issued by a **Nationalised Bank/Scheduled Bank** in favour of **"EdCIL (India) Limited, Noida"**. This Performance Bank Guarantee should be retained throughout the currency of the contract and should be extended by the bidder from time to time, as required by EdCIL.





This guarantee shall be valid for a period of **90 days beyond the One-year warranty period from the date of commissioning and successful handing over.** (Refer Clause No. 8 of Chapter-V, Instructions to Bidders of Tender Document and Annexure IX Format of PBG Enclosed).

- 10) **Delayed Delivery:** If the delivery is not made within the due date for any reason under the control of the successful bidder, the EdCIL reserves the right to impose Liquidated damages (LD) @ 0.5 % plus GST per week effective from 31<sup>st</sup> day from the date of issuance of PO and the maximum deduction of 10% of the contract value/ rate. The LD shall be applied only on the portion of items not delivered within the stipulated time period for reasons under the control of the supplier. Applicable GST on LD amount would also be charged additional.
- Once the maximum is reached, EdCIL has the right to terminate the contract without any liability to cancellation charges and encash the submitted performance guarantee/s submitted by successful bidder. **(Refer Clause No. 16 of Chapter-V, Instructions to Bidders of Tender Document).**
- 11) **The Baseline Survey Report shall contain :** 1. Title/Cover Page 2. Table of Contents 3. Executive Summary 4. List of acronyms and abbreviations 5. List of tables and figures 6. List of photos 7. Introduction 8. Survey Methodology-detailed 9. Findings 10. Conclusion 11. Annexures (List of Documents reviewed, survey tools/questionnaires, etc.)
- 12) **The Endline Survey Report shall contain :** 1. Background 2. Purpose 3. Research Objectives 4. Methods, Study Location, Selection Criteria, Sampling Procedure, Sample Size, Survey tools/instruments, Survey team, required consent form 5. Data Collection-data entry and analysis, timeline, ethical considerations, consent 6. Findings and Recommendations 7. References
- 13) You are advised to contact immediately to the DGM (EIS & EPS), EdCIL House, 18-A, Sec-16A, Noida (U.P.)- 201301 for further directions and submission of schedule, Contract Agreement, & Performance Bank Guarantee and Duplicate Signed copy of this Purchase Order.
- 14) This letter is sent with a duplicate copy of this letter, you are advised to return duplicate copy duly signed & stamped from the authorized representative as a token of your acceptance for the said work order within 3 days time. An advance copy is sent on official email id as mentioned in bid submitted i.e. [meera.dhanuka@stemlearning.in](mailto:meera.dhanuka@stemlearning.in).
- 15) Kindly acknowledge the receipt of Purchase Order.

Thanking You,



Yours Faithfully

(Nandeesh Babu MG)  
DGM (EIS & EPS)

**Enclosure:**

1. BOQ on Accepted Rates (Annexure-I)
2. Copy of Signed Contract Agreement (Annexure-II) (**email**)
3. Performance Bank Guarantee Format (Annexure-III)



(Annexure-I)

Name of Work		Setting up of STEM Labs in Schools		
Sl. No.	Description	Amount (Exclusive of Taxes) (in Rs.)	Taxes (@18%) (in Rs.)	Amount (Inclusive of Taxes) (in Rs.)
A	Setup of 80 Nos. plug & play physical models along with user's manual, colorful backgrounds, Safety Placard, Teachers Manual; One-year Comprehensive Warrantee is included in this cost.	591630	106493	6,98,123
B	<b>Teachers Training Program-</b> 02 times in a year (4-5 hour duration for each session);	35000	6300	41,300
C	Infrastructural Setup (with 2 ft width MDF Board) along with the Electrical connection with in the lab & Installation of the models;	66182	11913	78,095
D	Baseline & Endline survey per school including all tour & travel, boarding, lodging etc. for complete project;	35000	6300	41,300
	<b>Sub Total (for 80 Models' Lab- Class 9 to 12)</b>	<b>7,27,812</b>	<b>131006</b>	<b>8,58,818</b>
	<b>Total Cost for 80 Models' Lab (Class 9 to 12)</b>			<b>8,58,818</b>





Sr. No.	80 Nos. Models (Class 9-12)	Qty.	Rate/unit (in Rs.)	Amount (Exclusive of Tax) (Rs.)	Taxes. (%)	Taxes in (Rs.)	Amount (Inclusive of Tax) (Rs.)
<b>A</b>							
1	Periscope	1	8,910	8,910	18	1,604	10,514
2	Laws of Reflection	1	4,780	4,780	18	860	5,640
3	Corner Mirror	1	7,730	7,730	18	1,391	9,121
4	Infinity Well	1	8,320	8,320	18	1,498	9,818
5	Total Internal Reflection.	1	8,320	8,320	18	1,498	9,818
6	Law of Inertia	1	8,910	8,910	18	1,604	10,514
7	Circle and Ball	1	8,900	8,900	18	1,602	10,502
8	Action and Reaction	1	7,730	7,730	18	1,391	9,121
9	Floating Ball	1	7,730	7,730	18	1,391	9,121
10	Floating Fan	1	8,670	8,670	18	1,561	10,231
11	Hand Pump	1	8,200	8,200	18	1,476	9,676
12	Anamorph	1	7,800	7,800	18	1,404	9,204
13	Lazy Tube	1	6,050	6,050	18	1,089	7,139
14	Hyperbola	1	7,230	7,230	18	1,301	8,531
15	Pythagoras Model & Moire Pattern	1	7,820	7,820	18	1,408	9,228
16	Elliptical Carrom Board	1	6,050	6,050	18	1,089	7,139
17	$(a+b)^2 = a^2 + 2ab + b^2$	1	6,050	6,050	18	1,089	7,139
18	$(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$	1	6,050	6,050	18	1,089	7,139
19	$a^2 - b^2 = (a+b)(a-b)$	1	7,820	7,820	18	1,408	9,228
20	Organ pipes	1	6,050	6,050	18	1,089	7,139
21	Area of rhombus	1	9,700	9,700	18	1,746	11,446
22	Transverse wave pendulum	1	7,820	7,820	18	1,408	9,228
23	Area of triangle	1	6,050	6,050	18	1,089	7,139
24	Area of parallelogram	1	7,800	7,800	18	1,404	9,204
25	Coupled Pendulum	1	8,100	8,100	18	1,458	9,558
26	Solar Light	1	9,800	9,800	18	1,764	11,564
27	Wind Mill	1	7,900	7,900	18	1,422	9,322
28	Shape of earth Rotational force	1	8,300	8,300	18	1,494	9,794
29	Refraction Cylinder	1	8,300	8,300	18	1,494	9,794
30	Newton's Cradle	1	9,300	9,300	18	1,674	10,974
31	Hand Battery	1	8,000	8,000	18	1,440	9,440
32	Periodic Table	1	7,650	7,650	18	1,377	9,027
33	Cone Run Uphill	1	9,600	9,600	18	1,728	11,328
34	Tower Of Pisa	1	6,100	6,100	18	1,098	7,198
35	Lever	1	9,300	9,300	18	1,674	10,974
36	Pulley Block	1	8,100	8,100	18	1,458	9,558
37	Heat Absorption	1	9,300	9,300	18	1,674	10,974
38	Viscosity Tube	1	9,700	9,700	18	1,746	11,446
39	Rock and Minerals	1	5,280	5,280	18	950	6,230
40	DNA	1	8,300	8,300	18	1,494	9,794
41	Lateral Shift	1	7,300	7,300	18	1,314	8,614
42	Funny mirrors	1	4,380	4,380	18	788	5,168
43	Marble Slide	1	6,050	6,050	18	1,089	7,139





44	Resonance	1	6,050	6,050	18	1,089	7,139
45	Weight on different Planets	1	6,050	6,050	18	1,089	7,139
46	$(A+B)^2 - (A-B)^2 = 4AB$	1	7,300	7,300	18	1,314	8,614
47	Electric bell	1	6,050	6,050	18	1,089	7,139
48	Ear & Eye	1	9,650	9,650	18	1,737	11,387
49	Plant Cell	1	11,750	11,750	18	2,115	13,865
50	Animal Cell	1	8,700	8,700	18	1,566	10,266
51	Inclined plane	1	9,650	9,650	18	1,737	11,387
52	Ray optics Kit	1	8,400	8,400	18	1,512	9,912
53	Electroscope	1	7,800	7,800	18	1,404	9,204
54	Atomic Kit	1	6,800	6,800	18	1,224	8,024
55	Pascal's law	1	5,900	5,900	18	1,062	6,962
56	Kinetic Theory Model	1	8,900	8,900	18	1,602	10,502
57	Bernoulli Balls	1	5,400	5,400	18	972	6,372
58	Hooke's Law	1	9,600	9,600	18	1,728	11,328
59	Periodic Table	1	7,100	7,100	18	1,278	8,378
60	Transformer principle	1	7,680	7,680	18	1,382	9,062
61	Human Kaleidoscope	1	6,600	6,600	18	1,188	7,788
62	Van De Graaff Generator	1	7,100	7,100	18	1,278	8,378
63	Radiometer	1	6,600	6,600	18	1,188	7,788
64	Wave Motion	1	5,580	5,580	18	1,004	6,584
65	Magnetic Effect Of Electric Current With Galvanometer	1	6,920	6,920	18	1,246	8,166
66	Gyroscope	1	6,660	6,660	18	1,199	7,859
67	Aerofoil Shape Of Wings Of Aeroplane	1	7,880	7,880	18	1,418	9,298
68	Sand Pendulum	1	6,580	6,580	18	1,184	7,764
69	Bell Jar Experiment	1	8,960	8,960	18	1,613	10,573
70	Oersted Experiment	1	5,650	5,650	18	1,017	6,667
71	Ampere Model	1	6,960	6,960	18	1,253	8,213
72	Curie Point	1	6,050	6,050	18	1,089	7,139
73	Doppler's effect	1	5,940	5,940	18	1,069	7,009
74	Weight on different Planets	1	5,280	5,280	18	950	6,230
75	Coin movement in cone	1	5,360	5,360	18	965	6,325
76	Mid-point theorem	1	6,850	6,850	18	1,233	8,083
77	Tower of Brahma	1	5,940	5,940	18	1,069	7,009
78	Sum Of First N Odd Numbers	1	5,280	5,280	18	950	6,230
79	Sum Of First N Numbers In Arithmetic Progression	1	5,360	5,360	18	965	6,325
80	Fibonacci series	1	6,050	6,050	18	1,089	7,139
	<b>Sub Total</b>			<b>5,91,630</b>		<b>1,06,493</b>	<b>6,98,123</b>
81	Teacher Training	2	17,500	35,000	18	6,300	41,300
82	Infrastructure	1	91,000	66,182	18	11,913	78,095
83	Baseline Survey & Endline Survey	1	35,000	35,000	18	6,300	41,300
<b>TOTAL</b>				<b>7,27,812</b>	<b>18</b>	<b>1,31,006</b>	<b>8,58,818</b>



(Annexure-III)

Name of the Bank: \_\_\_\_\_

To  
EdCIL (India) Limited, NOIDA

**PERFORMANCE BANK GUARANTEE FORMAT**

In consideration of the Chief General Manager, EdCIL acting through CMD, EdCIL (Designation & address of Contract Signing Authority), (hereinafter called "**EdCIL (India) Limited**") having agreed under the terms and conditions of agreement/ Contract Acceptance letter No. \_\_\_\_\_ dt

\_\_\_\_\_ Made \_\_\_\_\_ between  
\_\_\_\_\_(Designation & address of contract signing  
Authority)

and \_\_\_\_\_ (here in after called "the said Agency" for the  
work

\_\_\_\_\_ (here in after called "the said agreement") having  
agreed for submission of a irrevocable Bank Guarantee ₹ Bond for  
₹ \_\_\_\_\_ ( \_\_\_\_\_ only) as a performance security Guarantee from  
the Agency for compliance of his obligations in accordance with the terms &  
conditions in the said agreement.

1. We \_\_\_\_\_ (Indicate the name of the Bank) hereinafter referred to  
as the Bank, undertake to pay to the EdCIL (India) Limited an amount  
not exceeding  
₹ \_\_\_\_\_ ₹ ( \_\_\_\_\_ only) on demand by EdCIL

2. We \_\_\_\_\_ (Indicate the name of the bank, further agree that (and  
promise) to pay the amounts due and payable under this guarantee without  
any demur merely on a demand from the EdCIL through the CGM, EdCIL  
or  
\_\_\_\_\_(Designation & Address of contract signing authority),  
stating that the amount claimed is due by way of loss or damage caused to  
or would be caused or suffered by EdCIL by reason of any breach by the  
said Agency of any of the terms of conditions contained in the said  
agreement or by reason of the Agency failure to perform the said agreement.  
Any such demand made on the Bank shall be conclusive as regards the  
amount due and payable by the Bank under this guarantee. However, our  
liability under this guarantee shall ~~be~~ restricted to ₹ an amount not  
exceeding \_\_\_\_\_ only).

3. (A) We \_\_\_\_\_ (indicate the name of Bank ) further undertake to pay  
to the EdCIL any money so demanded notwithstanding any dispute or  
dispute raised by the Agency in any suite or proceeding pending before  
any court or Tribunal relating to liability under this present being absolute



and unequivocal.

- a. The payment so made by us under this Performance Guarantee shall be a valid discharge of our liability for payment there under and the Agency shall have no claim against us for making such payment.

4. We \_\_\_\_\_ (Indicate the name of bank) to further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of EdCIL under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged by \_

(Designation & Address of contract signing authority) on behalf of the EdCIL certify that the terms and conditions of the said agreement have been fully and properly carried out by the said Agency and accordingly discharges this guarantee.

- 5 (a) Notwithstanding anything to the contrary contained herein the liability of the bank under this guarantee will remain in force and effect until such time as this guarantee is discharged in writing by EdCIL or until (date of validity/ extended validity) whichever is earlier and no claim shall be valid under this guarantee unless notice in writing thereof is given by EdCIL within validity/ extended period of validity of guarantee from the date aforesaid.

- (b) Provided always that we \_\_\_\_\_ (indicate the name of the Bank) unconditionally undertakes to renew this guarantee or to extend the period of guarantee from year to year before the expiry of the period or the extended period of the guarantee, as the case shall be on being called upon to do so by the EdCIL. If the guarantee is not renewed or the period extended on demand, we \_\_\_\_\_ (indicate the name of the Bank) shall pay the EdCIL the full amount of guarantee on demand and without demur.

6. We \_\_\_\_\_ ( indicate the name of Bank ) further agree with the EdCIL that the EdCIL shall have the fullest liberty without our consent and without effecting in any manner out of obligations hereunder to vary any of the terms and conditions of the said contract from time to time or to postpone for any time or from time to time any to the powers exercisable by the EdCIL against the said Agency and to forbear or enforce any of the terms and conditions of the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Agency for any bearing act or omission on the part of the EdCIL or any indulgence by the EdCIL (India) Limited to the said Agency for by any such matter or thing whatsoever under the law relating to sureties for the said reservation would relieve us from the liability.

7. This guarantee will not be discharged by any change in the constitution of the Bank or the Agency.



8. We, \_\_\_\_\_ (indicate the name of the Bank) lastly undertake not to revoke this guarantee except with the previous consent of the EdCIL in writing.
9. This guarantee shall be valid up to (Date of Completion plus Handholding Period). Unless extended on demand by EdCIL Not with standing anything to the contrary contained herein before, our liability under this guarantee is restricted to Rs. .... (Rs. ....only) unless a demand under this
10. guarantee is made on us in writing on or before..... we shall be discharged from our liabilities under this guarantee thereafter.

Dated:            the            Day of            For

(indicate the name of bank) Signature of Banks

Authorized official

Witness

(Name) \_\_\_\_\_

Designation with Code No. -----

Full Address-----