

| <b>Pre-Bid Query Response</b> |                                                                                                                   |                                            |                                                                                                                             |                                                                                                                                                                                  |                                                                                                                                                   |                                                                                                                                                                                                   |
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| <b>RFP Description</b>        |                                                                                                                   |                                            | <b>SELECTION OF SERVICE PROVIDER FOR “IMPLEMENTATION OF 20 STEM LABS IN GOVT. SCHOOLS OF JHARSUGUDA DISTRICT OF ODISHA”</b> |                                                                                                                                                                                  |                                                                                                                                                   |                                                                                                                                                                                                   |
| <b>RFP No.</b>                |                                                                                                                   |                                            | <b>EdCIL/DES/STEM LAB JG/2023 dated 03.10.2023.</b>                                                                         |                                                                                                                                                                                  |                                                                                                                                                   |                                                                                                                                                                                                   |
| <b>S.No.</b>                  | <b>Company Name</b>                                                                                               | <b>Section No.</b>                         | <b>Page No.</b>                                                                                                             | <b>Clause as per RFP</b>                                                                                                                                                         | <b>Clarification Sought</b>                                                                                                                       | <b>PRE BID RESPONSE</b>                                                                                                                                                                           |
| 1                             | Schoolnet India Limited, Unit No. 201, 2nd Floor, Tower B, WTT Tower, Plot No C – 1, Sector -16, NOIDA, UP 201301 | CHAPTER-IV, Bill of Material:              |                                                                                                                             | N/a                                                                                                                                                                              | We Request to the department to kindly include BIS certificate for Engineering DIY & Robotics kits to ensure the quality of products and solution | Please refer Corrigendum-1                                                                                                                                                                        |
| 2                             |                                                                                                                   | CHAPTER-III<br>4.8<br>Performance Security | 11                                                                                                                          | The successful bidder should be required to deposit Performance Bank Guarantee equivalent to 3% of contract value to EdCIL within 7 days from the date of receipt of Work Order. | We request to the department to kindly consider DD/FDR as alternative instruments for submission of performance security                          | Please refer Corrigendum-1                                                                                                                                                                        |
| 3                             | Experifun Educational Solutions Private Limited, 139, Himagiri Meadows, BG Road, Bangalore -560083                | 5.1                                        | 13                                                                                                                          | Any particular specification on size of models                                                                                                                                   |                                                                                                                                                   | Please refer Corrigendum-1                                                                                                                                                                        |
| 4                             |                                                                                                                   | 5.2                                        | 19                                                                                                                          | Is it travel / delivery insurance or does it also include after delivery insurance for 3 months                                                                                  |                                                                                                                                                   | Insurance will be taken for the Delivery period                                                                                                                                                   |
| 5                             |                                                                                                                   | 5.6                                        | 21                                                                                                                          | What would be the inspection timeline after setting up of STEM labs                                                                                                              |                                                                                                                                                   | The technical committee will do the Pre Delivery Inspection based on the availability of 100% material by bidder and terms of the tender. The post commissioning inspection of the project may be |

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|    |                                                                                                            |     |    |                                                                                                                                                                     |                                                                                   | carried out as per need within 60 days.         |
| 6  |                                                                                                            | 5.8 | 22 | Warranty in case of physical damage by school / children                                                                                                            |                                                                                   | Onsite warranty is the obligation of Bidder/OEM |
| 7  |                                                                                                            | 6.2 | 25 | Do we have any relaxation in case during Covid year 2020-21 if we don't qualify the turn over of atleast 80L criteria                                               |                                                                                   | No changes                                      |
| 8  |                                                                                                            | 6.2 | 25 | Do we have any relaxation in case during Covid year 2020-21 if we don't qualify the positive net worth criteria                                                     |                                                                                   | No changes                                      |
| 9  |                                                                                                            | 6.2 | 26 | What if we don't qualify 100 employees on role in India (Contractual employees were appointed)                                                                      |                                                                                   | No changes                                      |
| 10 |                                                                                                            | 6.2 | 26 | What if bidder does not have work order from govt/PSU, however bidder had worked with govt schools through NGO & CSR partners                                       |                                                                                   | No changes                                      |
| 11 | Valuer<br>Fabtex<br>Pvt. Ltd.,<br>507 Pearl<br>Omaxe<br>Tower ,<br>Netaji<br>Subhash<br>Place,<br>Pitampur | 5.1 | 16 | In Table S.No. 23<br>Kit Name-<br>Mechanical Arm<br><br>Description-<br>Robotic arm model<br>is a prototype of<br>an industrial<br>based robotic arm<br>showing the | Kindly specify the size of the equipment and also share a photo of the equipment. | Please refer<br>Corrigendum-<br>1               |

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|    | a, Delhi<br>110034 |     |       | movement of<br>different segments<br>with an ability to<br>pick and place an<br>object.<br>Quantity- 1                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |
| 12 |                    | 5.1 | 16    | Kit Name-<br>Mechanical Arm<br>Description-A two-<br>legged robot<br>demonstrating<br>function of<br>walking, dancing<br>which also can<br>detect an obstacle<br>or an object and<br>based on that<br>traverse the path<br>Quantity- 1 | Kindly specify the size of the<br>equipment and also share a<br>photo of the equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Please refer<br>Corrigendum-<br>1 |
| 13 | STEMRO<br>BO       | 5.1 | 17-18 | 5.1 Specs of<br>Technology DIY<br>Kit, Engineering<br>DIY Kit (Includes<br>Robotics)                                                                                                                                                   | The specs given in<br>Technology DIY Kit,<br>Engineering DIY Kit<br>(Includes Robotics) are very<br>specific and most probably<br>confined to a sopecific<br>company like Mojo Bricks<br>Circuits Kit, or the specs of<br>3D Printer etc.... This will<br>limit competition. It is a clear<br>cut violation of RULE 144<br>i(b) of the GFR 2017 manual<br>as per GFR Rules<br>2017(General Financial Rules<br>2017) of Department of<br>Expenditure, Ministry of<br>Finance, Govt of India<br>( <a href="https://doe.gov.in/sites/default/files/GFR2017_0.pdf">https://doe.gov.in/sites/default/files/GFR2017_0.pdf</a> ). In<br>fact, as can be seen in RULE<br>144 it is against the<br>Fundamental principles of<br>public buying. | Please refer<br>Corrigendum-<br>1 |
| 14 |                    | 6.2 | 27    | Technical<br>Evaluation<br>Criteria                                                                                                                                                                                                    | Bidder Number of Years<br>relative marking seems little<br>bit biased in favour of old<br>companies. For eg. If a<br>company was registered 20<br>years back but was not<br>working in STEM and<br>Robotics field then that                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No changes                        |

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|    |     |    |               | <p>experience is irrelevant , but because of this criteria it will get very high marks.</p> <p>Ideally, the date of last relevant PO in this field of STEM &amp; Robotics should be considered as its experience.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |
| 15 | 6.2 | 27 | QCBS Criteria | <p>This is a Procurement of Goods/Product and using QCBS for procurement of Goods in this Tender is also a gross violation of “Manual of procurement of Goods (Updated June 2022) of Department of Expenditure, Ministry of Finance, Govt of India”.I can give more specific pointwise details on this violation as outlined herea.GFR Rules 7(General Financial Rules 2017) of Department of Expenditure,Ministry of Finance, Govt of India <a href="https://doe.gov.in/sites/default/files/GFR2017_0.pdf">https://doe.gov.in/sites/default/files/GFR2017_0.pdf</a> ) this detailed document does not mention QCBS with respect to Procurement of Goods.</p> <p>b. Manual of Procurement of Goods (Updated June 2022) of Department of Expenditure, Ministry of Finance, Govt of India (<a href="https://doe.gov.in/sites/default/files/Manual%20for%20Procurement%20of%20Goods_1.pdf">https://doe.gov.in/sites/default/files/Manual%20for%20Procurement%20of%20Goods_1.pdf</a> ) in “Procurement Glossary” Sub Point (xiii) on Page Number 19 – the definition of Procurement of Goods is given as below:</p> <p>"Goods" includes all articles, material, commodity, livestock, medicines, furniture, fixtures, raw material, consumables, spare parts, instruments,</p> | No changes |

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|  |  |  |  | <p>machinery, equipment, industrial plant, vehicles, aircrafts, ships, railway rolling stock assemblies, subassemblies, accessories, a group of machines comprising an integrated production process or such other categories of goods or intangible, products like technology transfer, licenses, patents or other intellectual properties (but excludes books, publications, periodicals, etc., for a library), procured or otherwise acquired by a procuring entity.</p> <p>Procurement of goods may include certain small work or some services, which are incidental or consequential to the supply of such goods, such as transportation, insurance, installation, commissioning, training and maintenance.”</p> <p>So, you can easily infer from the Manual of Procurement of Goods (Updated June 2022) that Good supply and any incidental installation, training, maintenance is also a part of Goods Supply and cannot be considered a Consultancy work.</p> <p>c. Manual of Procurement of Goods (Updated June 2022) of Department of Expenditure, Ministry of Finance, Govt of India<br/> <a href="https://doe.gov.in/sites/default/files/Manual%20for%20Procurement%20of%20Goods_1.pdf">https://doe.gov.in/sites/default/files/Manual%20for%20Procurement%20of%20Goods_1.pdf</a><br/> ) no where mentions QCBS in Procurement of Goods.</p> |  |
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## CORRIGENDUM-1

| S.No. | RFP Page No. | RFP Clause Reference                          | Original Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Revised Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------|--------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 11           | CHAPTER-III<br>4.8<br>Performance Security    | <p>The successful bidder should be required to deposit Performance Bank Guarantee equivalent to 3% of contract value to EdCIL within 7 days from the date of receipt of Work Order. The Performance Bank Guarantee (PBG) should be issued by a nationalized bank in favor of "EdCIL (India) Limited" to be valid for a period of 90 days beyond the date of completion of Contract period.</p> <p>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.</p> | <p>The successful bidder should be required to deposit the Performance Security in the form of BG / DD equivalent to the 3 percent of the contract value of the work order in favor of EdCIL (India) Limited, issued by Nationalized Bank located in India, is required to be submitted within 7 days of the issue of the work order valid for the period of 90 days beyond the date of completion of warranty period. This performance security should be retained throughout the concurrency of the contract and should be extended by the bidder from time to time, as required by EdCIL.</p> |
| 2     | 16           | Science<br>DIY Kits                           | <p>1- Advanced Gear Kit</p> <p>This is Motorised gear Kit to learn transformation of motion and Types of motions which consists of Various Types of Gears.</p>                                                                                                                                                                                                                                                                                                                                                                                                                 | <p>1- Advanced Gear Kit</p> <p>This is Motorised gear Kit to learn transformation of motion and Types of motions which consists of Various Types of Gears like 60T Gear (2.5inch with square hole 3mm), 35 T Gear (1.3inch with square hole 3mm), Big Rack Gear (4.5inch), Small Rack Gear (2.5inch) 12 T Gear (0.5inch with square hole 3mm), Worm Gear (Size: 0.98 inch) with square hole 3mm</p>                                                                                                                                                                                              |
| 3     | 17           | Engineering<br>DIY Kit<br>(Includes Robotics) | <p>1- Mechanical Construction Kit Remote Control x1 (Remote Should have DPDT Switches with option for 2 Motor Control with Single Switch) , Data Cable x1 , Power Distribution Board x1, 60 Teeth Spur Gear x2, 35 Teeth Spur Gear x2, 12 Teeth Spur Gear x4, Wheels with an option for attaching Track Belts x4 , Track Belts with Bolts x60, Pulley x1 , Big Rack Gear x1, Small Rack Gear x1, BO L</p>                                                                                                                                                                      | <p>1- Mechanical Construction Kit Remote Control x1 (Remote Should have DPDT Switches with option for 2 Motor Control with Single Switch) Remote shall be enclosed with openings for 2 Switches for 2 Motor and 4 Motor Mode, Data Cable x1 Power Distribution Board x1(4 RJ connector for Motor &amp; Plastic base with 5 holes both side),</p>                                                                                                                                                                                                                                                 |

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|   |    |                                         | Shaped 150 RPM Motor x 4, Spanner x1, Screw Driver x1, 5 Hole Holder x1, 2 Hole Holder x 1, Nuts and Bolts 0.5" x30, 1.5"x10, Nuts x40, Shaft Locker x4, Big Plates x2, Medium Plates x2, Small Plates x2, Bar x 6, Big Shaft x2, Small Shaft x 6, Arc Clips x4, Big L x2, Big C x2, Small L x4, Small Cx4, Slider x2, Plastic Motor Shaft x 4, Spacer x 40, Axle Locks x20, Hook x1, Caster Wheel x1, Caster Strip x1         | Adaptor 12V x1, Data Cable x1, Motor x4, Plastic 60T Gear x4(2.5inch), Plastic 35 T Gear x4(1.3inch), Plastic Big Rack Gear x1(4.5inch), Plastic Small Rack Gear x2(2.5inch), Plastic Wheel x4(3 inch with centre square hole of 3mm with groves for Chain belt distance between each groves 0.75inch), Metal Big Plate x2(9.4*2.4inch), Metal Medium Plate x2(5.4*2.4inch), Metal Small Plate x2(2.4*2.4inch), Metal Small Bar x6(4.9inch), Metal Big L x2(9.3inch), Metal Big C x2(9.3 inch), Metal Small C x4(5inch), Metal Small L x4(5inch), Metal Slider x2(6inch), Metal Long Shaft x2(6 inch), Metal Small Shaft x10(3 inch), Metal Arc Clip x4(3.2 inch), Metal Caster Strip x1(2.4inch), Metal Spanner x1(3.7 inch), Metal Caster Wheel x1(1inch), Chain Link x60 (1 inch), Chain Bolt x60(1 inch), Plastic Motor Shaft x4 (Square Shaft 3 mm with size 1.2 inch), Plastic 12 T Gear x6(Square Hole 3 mm 0.5inch), Plastic Pulley Square Hole 3 mm x1 (0.9inch), Plastic Hook x1(1.8inch), Plastic Shaft Locker x6(1.4 inch), Metal Tiny L x4(0.5inch), Metal C Holder x2(1.5inch), Metal Axle Lock x20(0.3inch), Bolt 1.5" x10, Bolt 0.5" x40, Nut x50, Plastic Spacer 0.3 inch x40 |
| 4 | 18 | Engineering DIY Kit (Includes Robotics) | 2- Mojo Bricks Circuits Kit<br>Simple electronic based bricks, bricks should be compatible and can be connected with each other, bricks should be modular and should have an option of attaching each brick on a Lego type Plate, also should have minimum 2 holes to be connected to mechanical parts using nuts and bolts, also should have magnets for attaching each brick on a metallic surface using the magnets. Bricks | 2- Circuits Kit<br>Simple electronic based bricks, bricks should be compatible and can be connected with each other, bricks should be modular and should have an option of attaching each brick on a Lego type Plate, also should have minimum 2 holes to be connected to mechanical parts using nuts and bolts, also should have magnets for attaching each brick on a metallic surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|  |  |  | <p>shall be in the format of Input, Output, Connector, Power &amp; Brain.</p> <p>Input bricks will be Switch, Ultrasonic, LDR, Temperature, Color Sensor, IR Sensor. Output bricks shall be 1 LED, 3 LEDs, Buzzer.</p> <p>Connector Brick shall be to have extension wires, Power shall have option for DC Jack and USB. Brain Brick shall have microcontroller which can be interfaced with the computer and can be coded to perform tasks.</p> | <p>using the magnets. Bricks shall be in the format of Input, Output, Connector, Power &amp; Brain. Input bricks will be Switch, Ultrasonic, LDR, Temperature, Color Sensor, IR Sensor. Output bricks shall be 1 LED, 3 LEDs, Buzzer. Connector Brick shall be to have extension wires, Power shall have option for DC Jack and USB. Brain Brick shall have microcontroller which can be interfaced with the computer and can be coded to perform tasks.</p> <p><b>Kit should have following:</b></p> <p>Programmable board with 12 JST connector, Power Supply Module, RGB Module, Buzzer Module, 10MM LED Module, Bluetooth Module with JST Connector, Ultrasonic Module with JST Connector, DHT11 Module with JST Connector, Push Button Module with JST Connector, LDR Module with JST Connector, Potentiometer with JST Connector, Base Plate for connecting modular boards (size 11-inch square plate with Lego type studs)</p> <p>Programmable board should be a Modular (Size min. 4 x 3 x 1.2 Inch) It should be covered in plastic casing and should have a transparent top with small plastic studs (36 studs on top, 12 studs on 2 sides, 24 stud on 1 side)</p> <p>&amp; Modules PCB Size (1.5*1inch)</p> <p>All the modules should have plastic base with 2 holes both side for mounting on Mechanical Construction Kit with Nuts &amp; Bolts</p> <p>The Kit should also have a Base Plate with Min. 1200 small plastic studs (studs Min. dimension 1.6 *4.7 mm) (Plate Min. size 11 inch Square)</p> |
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|---|----|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | 18 | Engineering DIY Kit (Includes Robotics) | <p>3- IBO Kit - Electronics Brain Kit with Sensors</p> <p>All in one platform that supports embedded system development, prototyping, Internet of Things, hardware programming with embedded C and easy to do connections using RJ 11 cables. The brain board should have inbuilt 8 Bit microcontroller which can be used to connect with Digital I/O devices and Analog I/O devices. The brain board should connect with at least 6 different sensors with the help of RJ 11 cables. Also, should have 4 motors to build motorized system. It should have inbuilt wireless enabled using 2.4 ghz wireless trans receiver and LCD.</p> | <p>3- IBO Kit - Electronics Brain Kit with Sensors</p> <p>Robotics DIY Kit have Intelligent Brain Kit which includes 8 I/O RJ 11 ports, 16*2 LCD for display, inbuilt Bluetooth for wireless communication and easy connectivity, comes with multiple sensors like Push Button with RJ11 Connector, Color Sensor with RJ11 Connector, Temperature Sensor with RJ11 Connector and accessories like RJ 11 wires etc. Brain kit compatible with Mechanical Construction kit and can be fixed via nuts &amp; bolts with mechanical kit.</p> <p><b>Kit should have following features.</b></p> <ul style="list-style-type: none"> <li>- 4 Motor Ports with RJ 11 Connectivity</li> <li>- 4 Sensor Ports with RJ 11 Connectivity</li> </ul> <p>Brain shall have On/Off Switch and Bluetooth On/Off Toggle Switch.</p> <p>Brain shall be of size 4.5 inch x 3 inch x 1.5 inch with 6 mounting holes of size 4 mm. Sensor shall be of size 1.5 inch x 1 inch x 0.5 inch with 4 mounting holes of size 4 mm</p> |
| 6 | 16 | Mechanical Arm                          | <p>Robotic arm model is a prototype of an industrial based robotic arm showing the movement of different segments with an ability to pick and place an object.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>Robotic arm model is a prototype of an industrial based robotic arm showing the movement of different segments with an ability to pick and place an object.</p> <p>Size: cm 20 cm height x 23 cm length x 13.5 cm width</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 7 | 16 | Mini Humanoid                           | <p>A two-legged robot demonstrating function of walking, dancing which also can detect an obstacle or an object and based on that traverse the path.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>A two-legged robot demonstrating function of walking, dancing which also can detect an obstacle or an object and based on that traverse the path.</p> <p>Size: 11.5 cm height x 10.5 cm length x 6.5 cm width</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |