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MEMORANDUM OF UNDERSTANDING (Site-Specific MOU)

BETWEEN

**GORAKHPUR HARYANA ANU VIDYUT PRIYOJANA (GHAVP),
NUCLEAR POWER CORPORATION OF INDIA LIMITED, GORAKHPUR,
HARYANA
&**

This MoU is made on 28 day of January Two Thousand Twenty-Five (2025)

BETWEEN

The **GORAKHPUR HARYANA ANU VIDYUT PRIYOJANA (GHAVP), NUCLEAR POWER CORPORATION OF INDIA LIMITED**, having its office at Vill & P.O. Gorakhpur, Teh: Bhuna, Distt: Fatehabad, Haryana-125047. Hereinafter referred to as "**GHAVP**" which expression shall, unless repugnant to the context, include his successor in office and assignees of the **ONE PART**.

AND

M/s EdCIL (India) Limited, A Government of India Enterprise, (A Mini Ratna CPSE) having its Registered Office at 7th floor, Ambadeep building, 14 KG Marg, Cannaught Place, New Delhi - 110001 and Corporate office at EdCIL House, 18-A, Sector 16-A, NOIDA- 201 301, hereinafter referred to as “EdCIL”, which expression shall, unless repugnant to the context, include his successors and permitted assignees of the **OTHER PART**.



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WHEREAS GORAKHPUR HARYANA ANU VIDYUT PARIYOJNA (GHAVP), NUCLEAR POWER CORPORATION OF INDIA LIMITED, is wholly owned by the Government of India and is responsible for the generation of electricity from nuclear power. NPCIL is administered by the Department of Atomic Energy.

1. Back Ground

An MoU has been signed between NPCIL, HQ at Mumbai & EDCIL (India) Ltd on **07.06.2023** for 5 nos of Units of NPCIL for 3 years where in it has been agreed that EDCIL shall act as turnkey service provider to undertake end to end CSR activities execution through Project Management Consultancy with the following scope of work:

- To assist in planning CSR activities in accordance to the DPE Guidelines & theme thereof for a particular year.
- To prepare a need assessment report for the educational and other social service sectors for the consideration of CSR Board/Committee of NPCIL for finalization of areas and activities with estimated amount against each head/sector.
- To implement the approved CSR activities through transparent procurement process by undertaking preparation of estimate, tendering & selection of agency through empanelment/tendering with due diligence.
- To monitor procurement process, services, commissioning, handing over and handholding for a period of 3 years against each year CSR Projects and may be extended further as per the agreement.
- To manage events/social media/print media/awareness and visibility of CSR activities of NPCIL.
- To organise reports/analytics/Impact Assessment/improvements etc. on NPCIL's CSR activities executed by EDCIL & ongoing CSR projects.

NPCIL Board level CSR Committee approved engaging EDCIL in CSR activities at following green/brown field sites:

- Jaitapur Nuclear Power Plant, Ratnagiri, Maharashtra.
- Gorakhpur Haryana Anu Vidyut Pariyojna(GHAVP).
- Nuclear Power Project, Kovvada, Andhra Pradesh.
- Mahi Banswada, Rajasthan Atomic Power Project.
- Chutka Madhya Pradesh Atomic Power Project.

Subsequently, it was also agreed that a separate MoU will be signed between EdCIL and each of the individual sites of NPCIL (05nos. as given above). The said MoU shall consist the project specific- Scope of work, BOQ, Project cost and other terms and conditions. The Finalization of the projects for each of the individual site, shall be done by EdCIL based on the Need Assessment survey of the school, in consultation with the local administration, with in & around GHAVP NPCIL site.

2. Need Assessment Survey of Govt. Schools in & around GHAVP NPCIL site

EdCIL has conducted a Need Assessment Survey of Govt. schools in District Fatehabad, Haryana. The purpose of the Need Assessment was to identify the preliminary requirements to enable the Govt. schools with 'and 'facilities' viz. latest tech-based labs to facilitate the student to easily understand the STEM (Science, Technology, Engineering & Mathematics) etc. Subjects.

After Scrutinizing need assessment report of EdCIL, GHAVP has agreed to Execute the following projects & MoU will be signed for the following projects:

S.No	Proposed Projects	Proposed Nos. of Projects
1	BALA Program	14 nos.
2	Stem Labs (80 Models)	11 nos.
3	Astronomy Labs	04 nos.



द्वद्येश कुमार निर्गोत्रिया *Hredayesh Kumar* No/16
मुख्य अभियन्ता (सिविल- एनएनबी) Chief Engineer (Civil-NNB)
गोरखपुर हरियाणा अणु विद्युत परियोजना/GHAVP
न्यूकिलयर पॉवर कॉर्पोरेशन ऑफ इण्डिया लिमिटेड/NPCIL

3. a) Scope of Work for Project Bala

Bala Labs/interventions proposed numbers have been given below. Name of the identified schools will be approved by GHAVP, NPCIL where the projects will be executed.

S.No	Proposed Intervention	Proposed Nos. of Projects
1	BALA Program	14 nos.

(i) The cost of BaLA program consist of 50 nos. of interventions covering approximately 1000 sqft area for painting other that civil, fabrication & carpentry. But in such schools where 1000 sqft area will not be available, reduced no. of interventions will be provided. The payment of Bala Painting in such schools shall be based on actual interventions used and area of painting covered. The rate of individual interventions is mentioned below:

Rate of Individual Bala Intervention						
S. No	Interventions	Unit	Tantative Size	Total Size in sqft / Quantit y	Unit Rate (Rs.)	Amount (Exclusive of GST) (Rs.)
A	For Classroom					
	Measures Around Us					
1	Horizontal Scale	sqft	6X1	6	223	1,337
2	Vertical Scale	sqft	6X1	6	223	1,337
3	Concept of Big & Small (through Physical Interventions)	sqft	4X5	20	223	4,458
	Angles Around Us					
4	Door Angle Protractor	sqft	2X2	4	223	892
5	Highlighting Naturally Occurring Angles in classroom	sqft	2X2	4	223	892
	Symmetry Around Us					
6	Symmetry in the Built Elements	sqft	4X4	16	223	3,566
	Colour Teasers					
7	Fan Colour Wheels	no	4X4	16	41	653
8	Rainbow on Floor/ Wall of the classroom or Corridor	sqft	6X6	36	223	8,024
	Map Your World (painted on Classroom door/ wall/ Table/ Floor)					
9	Map of the Classroom	sqft	2X2	4	223	892
10	Map of the School	sqft	4X4	16	223	3,566
11	Map of the Neighbourhood / Village	sqft	4X4	16	223	3,566
12	Map of the City / District	sqft	5X5	25	223	5,572
13	Map of State	sqft	5X5	25	223	5,572
14	Map of Country	sqft	6X6	36	223	8,024



15	Map of the World	sqft	10X10	100	223	22,288
	Time Devices					
16	Wall Clock	no	2X2	4	223	892
	Number Lines					
17	Wall Number Line Tiles	sqft	1X10	10	223	2,229
	Place Value Chart					
18	Place Value Chart on Wall	sqft	3X4	12	223	2,675
	Activity Boards and Surfaces on Walls					
19	Geometrical Pattern /Shapes	sqft	1X1X10	10	223	2,229
20	Shape Poem Board	sqft	3X4	12	223	2,675
B	For Corridors					
	Measures Around Us					
21	Horizontal Scale	sqft	6X1	6	223	1,337
22	Vertical Scale	sqft	6X1	6	223	1,337
	Symmetry Around Us					
23	Symmetry in mirror images	LS	1 no. with mirror size of 3X1 ft	1	2,856	2,856
24	Symmetry in Geometrical shapes	sqft	4X4	16	223	3,566
	Inverted Images					
25	Inverted Images on mirror	LS	1 no. with mirror size of 3X1 ft	1	2,856	2,856
	Cycles Around Us					
26	Phases of Moon	sqft	5X5	25	223	5,572
27	Cycle of seed germination	sqft	5X4	20	223	4,458
28	Water Cycle	sqft	5X4	20	223	4,458
29	Food Chain	sqft	5X4	20	223	4,458
	Number Lines					
30	Conversion of money units	sqft	4X3	12	223	2,675
31	Understanding Symbols (+ - x => <)	sqft	4X3	12	223	2,675
	Writing Aids					
32	Understanding of Consonant & Vowel - English Language	sqft	5X4	20	223	4,458



द्वद्येश कुमार निगोतीया *Nivedesh Kumar Negi*
मुख्य अधियन्ता (सिविल- एनएनबी) Chief Engineer (Civil-NNB)
गोरखपुर हरियाणा अणु विद्युत परियोजना/GHAVP
न्यूक्लियर पॉवर कॉर्पोरेशन ऑफ इण्डिया लिमिटेड/NPCIL

33	General signage	sqft	3X5	15	223	3,343
	Visuals Around Us					
34	Expressions	sqft	4X4	16	223	3,566
35	Some Interesting Figures on Door / Almirah Shutter viz. Healthy habits	sqft	4X4	16	223	3,566
C	Outdoor					
36	Planetary Orbits / Solar System	sqft	6X4	24	223	5,349
37	Stairs- Painting of Numbers	sqft	2X1X10	20	223	4,458
38	Concrete Ground - Snake and Ladder for healthy habit as well as learning numbers (Snake as unhealthy habit and ladder as healthy habit)	sqft	14X14	196		43,684
39	Tyre Playground alongwith 5 tyres to play with in sand	LS	1 no. with two swings	1	7,343	7,343
40	Labelling the trees	LS	20nos.	1	408	408
41	Stapu frame	sqft	2X10	20	223	4,458
42	Gintara on Window/ Abacus	LS	3+3m	1	4,987	4,987
43	Pipe Phone	LS	20m	1	709	709
44	Mazes	sqft	4X4X2	32	223	7,132
45	Play of Sunlight - light passing through grills forming shapes on wall /floor,	LS	20	1	4,527	4,527
46	Tangram Tiles	LS	20	1	4,478	4,478
47	Grid and DOT Boards on Floor/ walls	sqft	4X4X2	32	235	7,514
48	Country Name, Flags and Currency	sqft	4X6	24	215	5,158
49	Practice Board for writing i.e. having dotted letters on the board	sqft	4X3X4	48	223	10,698
50	Fraction Walls for understanding of fractions	sqft	5X5	25	211	5,274
			Total			2,48,691

(ii) EdCIL shall execute the above projects on Trunkery basis Teacher's training that include baseline & endline survey etc.

(iii) To organize reports/analytic/ improvements etc. on NPCIL's CSR activities by EdCIL for This CSR projects.



Hredayesh Kumar Nigotia
 Hredayesh Kumar Nigotia
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 मुख्य अभियन्ता (सिविल- एनएनबी) Chief Engineer (Civil-NNB)
 गोरखपुर हरियाणा अणु विद्युत परियोजना/GHAVP
 न्यूकिलयर पौंछर कॉर्पोरेशन ऑफ इण्डिया लिमिटेड/NPCIL

b) Scope of Work for Stem Lab(80 Models)

Stem Lab(80 Models) proposed numbers have been given below. Name of the identified schools will be approved by GHAVP, NPCIL where the projects will be executed.

S.No	Proposed Intervention	Proposed Nos. of Projects
1	Stem Labs (80 Models)	11 nos.

The list of Models & their prices are mentioned below:

STEM Lab 80 Models (Integrated Science, Maths Lab)							
Sr. No.	Model Principle	Name/	Specification	Qty.	Unit	Rate/unit (in Rs.)	Amount (Exclusive of Tax) (Rs.)
1	Constellation Viewer		Identification and study of Indian constellations About Constellations Stars Pattern	1	No.	8,100	8,100
2	Newton's Disc		White light is made up of 7 colours (VIBGYOR). Splitting of white light.	1	No.	4,800	4,800
3	Colour Shadow		Combinations of colour lights. Additive mixture of colour. Primary colours.	1	No.	8,430	8,430
4	Periscope		Application of laws of reflection. Angle of incidence and angle of reflection	1	No.	8,910	8,910
5	Kaleidoscope		Multiple reflection. Symmetric images. Patterns due to reflection	1	No.	4,780	4,780
6	Laws of Reflection		Laws of reflection for plane mirror. Angle of incidence = angle of reflection.	1	No.	4,780	4,780
7	Corner Mirror		Multiple reflection. Image formula ($N=360/A - 1$) Angled mirrors.	1	No.	7,730	7,730
8	Infinity Well		Multiple reflections. Image formation in parallel mirrors.	1	No.	8,320	8,320
9	Magic Water Tap		Optical Illusion. Refractive index of medium, refraction	1	No.	8,680	8,680
10	Total Internal Reflection.		Total internal reflection, bending of light ray. Optical fibre	1	No.	8,320	8,320
11	Fun with Magnets		Types of magnets Magnetic field and properties of field lines.	1	No.	4,780	4,780
12	Law of Inertia		Newton's first law. Inertia is opposing change in state of rest.	1	No.	8,910	8,910
13	Circle and Ball		Newton's first law. Inertia is opposing change in motion. Centripetal force.	1	No.	8,900	8,900
14	Action and Reaction		Newton's 3rd law of motion. For every action there is equal opposite and reaction	1	No.	7,730	7,730



द्वद्येश कुमार निरागतिया *Hitesh Kumar Negotia*
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15	Parrot in the Cage	Persistence of vision. Frames per second. The basic concept of animation.	1	No.	6,550	6,550
16	Zoetrope	Persistence of vision. Frames per second. The basic concept of motion picture.	1	No.	8,320	8,320
17	Pin screen	Pressure Inverse relation of Pressure Area Representation of pixels	1	No.	8,800	8,800
18	Floating Ball	Bernoulli's principle. Pressure difference and lift.	1	No.	7,730	7,730
19	Floating Fan	Bernoulli's principle. Air pressure difference	1	No.	8,670	8,670
20	Tornado	Atmospheric disturbances, currents, storms. Vortex of wind.	1	No.	7,230	7,230
21	Hand Pump	Application of pressure to pump water. Pressure- volume relation.	1	No.	8,200	8,200
22	Anamorph	Perspective, Viewpoints Illusion and Graphical projection	1	No.	7,800	7,800
23	Floating Magnets	Properties of magnet. Attraction in opposite poles and repulsion in like poles	1	No.	7,600	7,600
24	Magnetic Field Tube & Immiscible Fluid	Magnetic field and properties of magnets. Density of liquid	1	No.	7,300	7,300
25	Moment of inertia	Moment of inertia Rotational inertia. Distribution of mass.	1	No.	8,410	8,410
26	Lazy Tube	Magnetic Field and Forces, Eddy current, Lenz Law.	1	No.	6,050	6,050
27	Hyperbola	Conic sections. Shape of hyperbola.	1	No.	7,230	7,230
28	Magnetic effect of electric current	Magnetism Magnetic effects of electric current. Compass deflection. Oesterd's experiment	1	No.	7,820	7,820
29	Pythagoras Model & Moire Pattern	Pythagoras theorem and Interference of Light	1	No.	7,820	7,820
30	Elliptical Carrom Board	Conic sections. Properties of ellipse.	1	No.	6,050	6,050
31	Two Congruent Right Triangles	Comparison of area of different geometric shapes. Congruent shapes.	1	No.	4,280	4,280
32	Area of a Circle	Simple illustration of derivation of area of circle	1	No.	6,050	6,050
33	$(a+b)^2$ $=a^2+2ab+b^2$	Geometric illustration of basic algebraic identity.	1	No.	6,050	6,050



ह्रदयेश कुमार निर्गोत्रिया Hrdayesh Kumar Nigoria
 मुख्य अधियक्ष (सिविल- एनएनबी) Chief Engineer (Civil-NNB)
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34	$(a+b+c)^2 = a^2+b^2+c^2+2ab+2bc+2ca$	Geometric illustration of basic algebraic identity.	1	No.	6,050	6,050
35	$a^2-b^2=(a+b)(a-b)$	Geometric illustration of basic algebraic identity.	1	No.	7,820	7,820
36	Sum of the angles of a triangle	Elementary theorem of math. "Sum of all three angles of any triangle=180° Linear pair.	1	No.	6,050	6,050
37	Tangram	Interesting tiling puzzle. Basic geometric shapes.	1	No.	4,190	4,190
38	Parking Puzzle	Mathematical logic Algorithm Brain Teaser	1	No.	8,600	8,600
39	Organ pipes	Sound of different frequencies and wavelengths. Musical notes.	1	No.	6,050	6,050
40	Area of rhombus	Simple illustration of derivation of area of rhombus	1	No.	9,700	9,700
41	Transverse wave pendulum	Mechanical wave. Basic concepts of transverse wave. Actual Representation of vibrating particles and propagating wave	1	No.	7,820	7,820
42	Area of triangle	Simple illustration of derivation of Area of Triangle	1	No.	6,050	6,050
43	Area of parallelogram	Simple illustration of derivation of area of parallelogram	1	No.	7,800	7,800
44	Coupled Pendulum	Resonant frequency. The resonant frequency depends on the pendulum's length. Longer pendulums have lower frequencies.	1	No.	8,100	8,100
45	Solar Light	Conversion of solar energy into electricity. Application of renewable energy sources. Solar panel, semiconductors.	1	No.	9,800	9,800
46	Wind Mill	Working of wind mill. Conversion of wind energy into electricity.	1	No.	7,900	7,900
47	Shape of earth due to rotation	Shape of earth Rotational force Centrifugal force	1	No.	8,300	8,300
48	KE PE Track	Conversion of energy. Potential and Kinetic energy.	1	No.	9,300	9,300
49	Loop The Loop	Conservation of energy. The minimum speed necessary to complete the loop without falling.	1	No.	4,190	4,190
50	Rope Puzzle	Logic and Mathematical shapes study of surfaces	1	No.	8,900	8,900
51	Refraction Cylinder	Refraction of light Alphabet symmetry	1	No.	8,300	8,300



52	Newton's Cradle	Conservation of energy, conservation of momentum and friction.	1	No.	9,300	9,300
53	Reflection Transmission	Application of laws of reflection. Reflection and Transmission of light.	1	No.	7,300	7,300
54	Hand Battery	Electric potential difference. Electric battery. Chemical effect of electric current	1	No.	8,000	8,000
55	Day and Night	Cycle of day and night on earth. Shadows. Seasons, angle of tilt.	1	No.	7,650	7,650
56	Cone Run Uphill	Centre of mass. Gravity pulls on the centre of mass of objects.	1	No.	9,600	9,600
57	Tower Of Pisa	Center of mass. Centre of gravity. Gravitation. Stability of structure.	1	No.	6,100	6,100
58	Lever	Simple Machines Lever. Type of lever.	1	No.	9,300	9,300
59	Pulley Block	Pulley- simple machine. Combination of pulley. Mechanical Advantage.	1	No.	8,100	8,100
60	Wheel and Axle	How it is easy to rotate wheel when force is applied at a point distant from center.	1	No.	7,600	7,600
61	Heat Absorption	Black Body, Heat Absorption and Reflection, Colour Temperature	1	No.	9,300	9,300
62	Conductors and Insulators	Electrical conductivity Types of conductor and insulator	1	No.	9,500	9,500
63	Viscosity Tube	Buoyancy. Viscosity. Density	1	No.	9,700	9,700
64	Rock and Minerals	Different types of rock and mineral samples. Difference between them.	1	No.	5,280	5,280
65	DNA	Double helix structure of DNA. A-T and G-C pairs.	1	No.	8,300	8,300
66	Lateral Shift	Refraction of light, deviation in path.	1	No.	7,300	7,300
67	Force & types of friction	Friction, speed due to surface texture. Rolling Friction.	1	No.	4,280	4,280
68	Funny mirrors	Distorted mirror. Convex and concave mirrors	1	No.	4,380	4,380
69	Marble Slide	Conservation of momentum.	1	No.	6,050	6,050
70	Resonance	Frequency and length of object, resonating frequency.	1	No.	6,050	6,050
71	Centrifuge Puzzle	Centripetal and Centrifugal force.	1	No.	6,050	6,050
72	Area of Trapezium	Area of trapezium using parallelogram	1	No.	4,280	4,280
73	Sum of angles of Quadrilateral	Sum of angles of Quadrilateral Complete angle	1	No.	6,050	6,050
74	$(A+B)^2 - (A-B)^2 = 4AB$	Geometric illustration of basic algebraic identity.	1	No.	7,300	7,300



75	Electric bell	Electric Circuit, Electromagnet and magnetic effects of current	1	No.	6,050	6,050
76	Human Torso	Human Body Anatomy Organs Functions of Body parts	1	No.	6,100	6,100
77	Ear & Eye	Sense organs Functions of body parts Vision Hearing	1	No.	9,650	9,650
78	Human Joints	Types of joint In human body Bones and ligaments	1	No.	10,100	10,100
79	Plant Cell	Eukaryotic cells Difference between cells Parts of cell	1	No.	11,750	11,750
80	Animal Cell	Difference between cells, Parts of cell	1	No.	8,700	8,700
81	TRAINING OF TEACHERS	<i>Total - 2 visits</i>	2	No.	17,500	35,000
82	INFRASTRUCTURE	MDF Board (2 ft width) 45 pcs Iron Brackets 5 pcs Electric Casing Switch and Socket 20pcs each 10 pcs socket box Wodden Bit 14 pcs of 7.5 ft Steel wall nails (2kg) Red & Black Wire 40 mtr Each 1 MCB 100 pcs Screw (1inch)	1	No.	66,182	66,182
83	Base line & Endline Survey		1	No.	35,000	35,000
Total						7,31,352

- (i) EdCIL shall execute the above projects on Trunkey basis Teacher's training that include baseline & endline survey etc.
- (ii) To organize reports/analytics/ improvements etc. on NPCIL's CSR activities by EdCIL for This CSR projects.

c) Scope of Work for Astronomy Labs

Astronomy Labs proposed numbers have been given below. Name of the identified schools will be approved by GHAVP, NPCIL where the projects of will be executed.

<u>S.No</u>	<u>Proposed Intervention</u>	<u>Proposed Nos. of Projects</u>
1	Astronomy Labs	04 nos.

The list of Models & their prices are mentioned below:



हृदयेश कुमार निगोतिया Hredayesh Kumar Nigotia
मुख्य अभियन्ता (सिविल- एनएनबी) Chief Engineer (Civil-NNB)
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Astronomy Lab

S. No	Name of Items	Specification	Qty	Unit	Rate/unit (in Rs.)	Amount (Exclusive of Tax) (Rs.)
A	Astronomy Lab Models					
1	Astronaut fibre model of 5' height	Fibre and wooden base	1	No.	61,710	61,710
2	Interior of the Sun model	Fibre and wooden base	1	No.	11,688	11,688
3	Illuminated Earth model	Fibre and wooden base	1	No.	11,688	11,688
4	Glowing Moon model	Fibre, print, light and wooden base	1	No.	12,155	12,155
5	Mars 3 D globe	Globe, print and acrylic structure-base	1	No.	11,220	11,220
6	How eclipses occur ? Model	Balls, print, motor, on-off button, acrylic/wooden base	1	No.	7,480	7,480
7	Annular and Total Solar Eclipse model	Acrylic structure, motor, base, on-off button	1	No.	8,883	8,883
8	Celestial globe model	Globe, acrylic base Print	1	No.	8,415	8,415
9	illuminated Sky globe model	Globe, light, print, acrylic base	1	No.	8,883	8,883
10	Celestial coordinates model	Fibre, acrylic base and print	1	No.	7,480	7,480
11	Wall mounted Tarangan (Planisphere) model	Fibre, acrylic base and print	1	No.	10,753	10,753
12	Sun's path model	Acrylic structure, base and print	1	No.	12,155	12,155
13	Ray diagram of Newtonian telescope model	Acrylic structure, base and print	1	No.	12,623	12,623
14	Parallax method of star distance model	Acrylic structure, base and print	1	No.	8,883	8,883
15	Dispersion of light model	Acrylic; glass and laser	1	No.	10,753	10,753



16	Newton's disk model	Color disk, acrylic structure, dvd motor, adapter, regulator with nob & on-off button	1	No.	4,208	4,208
17	Geostationary satellite model	Acrylic body, acrylic base, motor, on-off button	1	No.	11,688	11,688
18	Polar satellite model	Acrylic body, acrylic base, motor, on-off button	1	No.	6,545	6,545
19	Indian satellite - Kalpana 1 model, Aryabhata and Mars Orbiter	Fibre, motor and wooden base	1	No.	49,555	49,555
20	ISRO scale models of GSLV Mk II, PSLV and satellite launch station model	Fibre, motor and wooden base	1	No.	70,125	70,125
21	GMRT dish antenna model	Fibre, print and base wooden	1	No.	9,350	9,350
22	Motorized 3D solar system model	Globe, motor, on-off button, print, acrylic structure	1	No.	8,415	8,415
23	Weight on different planets	Metalic strucutre, sunboard sheet, different weight	1	No.	11,688	11,688
24	Space 4 D flash cards	Flash card and print	1	No.	7,013	7,013
25	Automatic 4" telescope with software based alignment and locating the stars	Telescope	1	No.	11,688	11,688
26	10 x 50 Binocular for Astronomy	Binocular	1	No.	4,675	4,675
27	Dobsonian 150 mm telescope	Dobsonian telescope	1	No.	21,038	21,038
B	Activity kits, tab, books etc.					-
28	Tarangan dial 20 numbers @ Rs 30		20	No.	257	5,143
29	Spectroscope kit 20 number @ 50		20	No.	655	13,090
30	Telescope making kit 20 number @ 200		20	No.	374	7,480



31	Star projection 5 number @ 300		5	No.	1,029	5,143
32	Astrolabe 20 number @ 240		20	No.	1,403	28,050
33	Star chart Northern and Southern hemisphere 10 number @ Rs 100		10	No.	935	9,350
34	Books on Astronomy		2	No.	935	1,870
35	Tab		1	No.	4,675	4,675
C	Transportation & Installation	Transportation of goods, conveyance of staff & installation of lab	1	No.	51,425	51,425
D	Backgrounds	Wall and Roof wallpapers and other wall finishing work (depends on size of hall)	1	No.	1,40,250	1,40,250
E	Training	Orientation of the project to the teachers	1	No.	70,125	70,125
F	Infrastructure	Table Platform, electrical points & wiring	1	No.	1,87,000	1,87,000
G	Base line & Endline Survey		1	No.	46,750	46,750
Total						9,91,100

- (i) EdCIL shall execute the above projects on Trunkey basis Teacher's training, baseline & endline survey etc.
- (ii) To organize reports/analytcs/ improvements etc. on NPCIL's CSR activities by EdCIL for This CSR projects.

4. Projects Cost

SUMMARY OF PROJECTS GHAVP, NPCIL

Sl.	Particular	Nos.	Unit Cost	EdCIL's mark up @5%	GST (18%) on Unit cost + Edcil mark up	Total Per unit (Rs.)	Total (Rs.)



हृदयेश कुमार निगोतिया Hredayesh Kumar Nigotia Page 13 of 16
 मुख्य अभियन्ता (सिविल- एनएनबी) Chief Engineer (Civil-NNB)
 गोरखपुर हरियाणा अणु विद्युत परियोजना/GHAVP
 न्यूविलयर पॉवर कॉर्पोरेशन ऑफ इंडिया लिमिटेड/NPCIL

1	STEM (80 Models)	11	7,31,352	36,568.60	1,38,225.53	9,06,145.13	99,67,596.41
2	BaLA Program	14	2,48,691	12434.55	47002.60	308128.15	43,13,794.09
3	Astronomy Lab	4	9,91,100	49555.00	187317.90	1227972.90	49,11,891.60
	Total						1,91,93,282.09
4	Branding Cost*	40	3,500	175	662	4,337	1,73,460
5	Inverter/UPS 2 KVA	15	33,500	1,675	6,332	41,507	6,22,598
							1,99,89,345

*Branding of NPCIL shall be done by using SS plate with engraving letters, 15*12 Inch SS plate.

Note:

1. Specification of Branding shall be as follow: SS plate with engraving letters, 15*12 Inch SS plate.
2. For Phase -2 EdCIL & NPCIL shall mutually discuss and finalize the requirements and shall sign separate MOU as per the need.
3. Final amount derived after rounding off up to two decimal points.

5. Stages of Payment: Refer Guiding MoU (between NPCIL, Mumbai & EdCIL) clause no. 1. The payment terms & stages shall be regulated project wise (mentioned under clause 3 sub-clause a, b & c) i.e BALA project as per 3(a), Stem Lab(80 Model) as per 3(b), Astronomy Lab as per 3(c) as follows:

Stage No.	Stage Payments to EdCIL	Percentage of EdCIL Payment
1	After signing of MoU/award of Project	20% (advance for Goods portion only).
2	On issuance of Purchase Order/LOA to suppliers by EdCIL (advance).	30% (advance for Goods portion only).
3	On supply of items/completion of structure at project site (refer note ii below)	35% (GST invoice of 100% value billing will be made at this stage, adjusting advance paid at stage 1 &2 and 15% for stage 4&5 will be withheld)
4	On installation & commissioning of supply items/Handing over of site (refer note iii below)	10%
5	On completion of warranty period/Defect Liability Period	5%

Note:

- i) For stage 1&2, the payment shall be calculated on the basis of estimated cost of supply of Goods portion only and shall be released on submission of demand note.
- ii) For stage no. 3, payment shall be made on submission of EIC Certificate for the work done with GST invoice along with Annexure A. While making stage -3 payment, the 50 % advance paid at stage 1 & stage 2 will be adjusted along with withholding amount as per stage 4&5 payment.
- iii) For stage 4, payment shall be released on the submission of EIC Certificate for handing over of site.
- iv) Total cost means the cost arrived after tender process by EdCIL for selection of supplier including EdCIL Charges limited to the above estimated cost.



दृदयेश कुमार निगोतिया Hredayesh Kumar Nigoda
मुख्य अधियन्ता (सिविल- एनएनबी) Chief Engineer (Civil-NNB)
गोरखपुर हरियाणा अनु विद्युत परियोजना/GHAVP
न्यूकिलयर पॉवर कॉर्पोरेशन ऑफ इण्डिया लिमिटेड/NPCIL

v) The payment as per stages indicated above will be released to EdCIL within 15 days of submission of EdCIL invoice/Demand Letter in order to complete the project on time.

6. Insurance policies as applicable will be ensured by EdCIL while making contract with the third agency.

7. Timeline of the Project:

As per Clause No.3 of the guiding MoU dtd 07.06.2023 shall prevail which is given hereunder:

S. No.	Particular	Timeline
(i)	Signing of Agreement/MoU between EdCIL & GHAVP,	D*
(II)	First Meeting at Head Office with NPCIL Unit, CSR Head	D+7
(iii)	Visit to Location/Units for assessment of theme & CSR Activities	D+25
(IV)	Submission of Base Line Survey Report including detailed specifications pertaining to the activity & estimated amount against each head/sector.	D+60
(v)	Submission of report to Site Level Committee at NPCIL Site for review & approval	D+90
(vi)	Calling of tenders & finalization of agency	D+110
(vii)	Implementation of CSR activities	D+170
(viii)	Closure of CSR activities and submission of report by EdCIL, inauguration/social media coverage.	D+180

D*: Shall indicate the Date of signing of MOU.

8. OBLIGATIONS OF GHAVP

Following obligations of GHAVP are felt necessary for successful execution of the projects:

- (i) GHAVP will appoint a Nodal person for co-ordination with EdCIL for smooth Execution of projects.
- (ii) Whenever required GHAVP will approve the deliverables for proceeding for next stage.
- (iii) GHAVP / Beneficiary Schools to provide suitable sites (physical space) for storage of equipment / items at the time of execution.
- (iv) GHAVP / Beneficiary Schools to issue necessary certificate / forms for delivery & installation of equipment/ items.

9. GENERAL

9.1 Termination and Breach of Agreement

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 6.1.

9.2 Amendment to Breach of Agreement

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 6.2.

9.3 Settlement of Disputes/Arbitration

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 6.3.

9.4 Applicability of Law



हृदयेश कुमार निगोतिया Hredayesh Kumar Nigotia
 मुख्य अभियन्ता (सिविल- एनएनवी) Chief Engineer (CIV-NNB)
 गोरखपुर हरियाणा अणु विद्युत परियोजना/GHAVP
 न्यूकिलयर पॉवर कॉर्पोरेशन ऑफ इण्डिया लिमिटेड/NPCIL

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 6.4.

9.5 Language

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 6.5.

9.6 FORCE MAJEURE

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 7.

9.7 JURISDICTION

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 8.

9.8 PERFORMANCE GUARANTEE

Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 9.

10. EFFECTIVENESS AND DURATION OF AGREEMENT

10.1 Refer MoU (between NPCIL, Mumbai and EdCIL) clause no. 10.

IN WITNESS WHEREOF the parties hereto have executed these presents on the day, month and year first above written.



Name: A. DEESH BABU M.S.
Designation: CHIEF ENGINEER (Civil-NNB)
Seal: EdCIL (India) Limited
For and on Behalf of
EdCIL (India) Limited,
[A Government of India Enterprise]

Witnessed by: *Amit* 28/01/25

Name: H. K. NIGOTIA
Designation: CEC CIVIL - NNB
Seal:

हृदयेश कुमार निगोतिया Hredayesh Kumar Nigotia
For and on Behalf of (गोरखपुर-एनएनबी) Chief Engineer (Civil-NNB)
गोरखपुर हरियाणा अनु विद्युत परियोजना/GHAVP
न्युक्लियर पॉवर कॉर्पोरेशन/ऑफ इंडिया लिमिटेड/NPCIL
Gorakhpur Haryana Anu Vidyut Pariyojana
(GHAVP), Nuclear Power Corporation of India
Limited, Gorakhpur, Haryana

Witnessed by: *Shreya* 28/01/25

Witnessed by: *Amit* 28/01/25

Witnessed by: *H. K. NIGOTIA* 28/01/25

Enclosures:

(1) (Guiding) MoU (between NPCIL, Mumbai and EdCIL) dt. 07.06.2023;