THE SINGARENI COLLIERIES COMPANY LIMITED
(A GOVERNMENT COMPANY)

Corporate Material Procurement Department,
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Enclosure to Order No. 7600009703 ; Dt.14.10.2023

Annexure-II

M/s Stem Learning Pvt.Ltd,
1205, Marathon ICON,
Opp. G.K.Marg, Lower Parel(W),
Mumbai-400013
meera.dhanuka@stemlearning.in
ashish.sahu@stemlearning.in

Dear Sir(s),

Sub: Establishment of Mini Science Centres at S.C.High Schools-CCC, GLT & BHPL through M/s STEM Learning Pvt Ltd, Mumbai on Nomination basis - Reg
Ref: (i) Enquiry no. C2123N0205 Dt: 14.09.2023
(ii) PO No: **7600009703 ; Dt.14.10.2023**

With reference to the above, Order No: **7600009703 ; Dt.14.10.2023** Establishment of Mini Science Centres at S.C.High Schools-CCC, GLT & BHPL through M/s STEM Learning Pvt Ltd, Mumbai on Nomination basis – Reg.

Scope of work

1. Item details:

Sl. No	Item	Description	BP for 1 school	GST @18%	LC for 1 School (Rs.)	BP for 3 schools	LC for 3 Schools (Rs.)
1	Mini Science Centre	80 Modules + 80 Users placard + 40 Colourful backgrounds + safety placard + 1 teachers manual includes installation, delivery	3,31,949.00	59,750.82	3,91,700.00	9,95,847.00	11,75,100.00

		& 1st years maintenance.					
2	Training of Teachers	Cluster training (1-5 schools) within 25 kms radius 1st year-2 visits.	40,000.00	7,200.00	47,200.00	1,20,000.00	1,41,600.00
3	Monitoring & Evaluation	Total – 2 visits – in individual schools.	40,000.00	7200.00	47,200.00	1,20,000.00	1,41,600.00
4	Infrastructure	Set-up of platforms & electric connections.	40,000.00	7200.00	47,200.00	1,20,000.00	1,41,600.00
			4,51,949.00	81,350.82	5,33,300.00	**13,55,847.00**	**15,99,900.00**

2. Scope of work:

Project Aspect	Expected Deliverables
MSC Infrastructure Arrangement	Infrastructure Arrangements Include: • 80 tabletop models will be installed in the school out of which 17 models operate on electricity. • A proper room minimum of 350-400 Sq. ft. or suitable size along with 17 tables/ platform with 13 pieces of plywood 100 Running feet (8ftx1.5ft) for Mini Science Centre should be provided in the school. • 17 electrical connections in the room should be provided in the school. • Providing the Backdrops (Language in which it is to be printed should be conveyed beforehand). • Providing the user manual and training manual (Language in which it is to be printed should be conveyed beforehand).
Installation of MSC **(80 MODELS + 80 USERS PLACARD + 40**	Installation generally starts within 3 weeks from school closure/signing MOU and is completed within 2 days at the school premises. The MSC classroom is painted in white colour & mounting of plywood is done along with fitting electrical supply points.

COLOURFUL BACKGROUND S+ 1 SAFETY PLACARD+1 TEACHERS MANUAL)	Deliverables: 80 Models + 80 Users Placard + 40 colourful backgrounds + safety placard + 1 teachers manual The Installation team takes pictures of the room both pre & post installation and a letter is signed from the school authority (Principal) after successful installation and handing over of the materials/documents etc.
First Teachers Training Program (TTP)	1st Teachers training program is undertaken within 2-3 weeks from the installation. 1st Virtual TTP to be conducted in 2nd year To set the training day and location, the trainer's team contacts the principal teacher at the school. Reconfirmation is requested from the principal and teachers 72 hours before to the TTP. The Training consists of the following: 1) Orientation of Models 2) Usage as per the Concepts. 3) Mapped document of model with curriculum. 4) Established topics and their usage as per the timetable. 5) Explaining the follow up process for any queries through Phone calls and WhatsApp support group formation. 6) Updating the MSC Register, as the models are plug and play, it can be demonstrated in class for concept clarity. 7) Identify and prioritize issues to be dealt with by teachers. 8) Setup Goals for Best Practice Documentation. 9) Inform about Monitoring & Evaluation visit and process. The Documents Supporting This Activity Are: a. Call sheet b. WhatsApp Group Snapshot. c. Goal set document for output. d. Teachers Attendance Sheet Training. e. Pictures and Videos (if possible)

Refresher Teachers Training Program (RTTP) – Conducted Individually for each school.	Typically, the RTTP is conducted four months following the first TTP. 2nd Virtual TTP to be conducted in 3rd year The trainer's staff contacts the principal and teachers of the school to schedule the training day and location. Reconfirmation is requested from the principal and teachers 72 hours before to the TTP. The Training Consists of the following: • Engagement of Teachers about Usage of Models. • Identifying Models with Frequent Usage. • Frequency of models being taken to class for explanation of concepts. • Asking the teachers regarding any issues faced during accessing the models and solving it accordingly.
Utilization Check of MSC	After completion of both the Teachers 'Training Program, WhatsApp group is created between teachers and our own trainers to periodically check the utilization of the models Footages of teachers using the models is to be posted regularly on the WhatsApp broadcast group. • Random Visits to School in order to check usability of the models. • Every fortnight, a check is done to gain insights about the frequency of usage of the models. • MSC registers are frequently looked upon to cross check the claims made by the teachers about the usage of MSC.
1st Monitoring and Evaluation (Baseline Survey)	This allows for the full examination of one's understanding of numerous situations, requirements, and school assistance. It usually takes place 4-5 weeks after the first TTP. Students are given baseline surveys based on the content they are taught in accordance with their standards. Our team, the Project Implementation Associate, makes site visits and interviews instructors and students for the baseline survey.

	The M&E consists of collecting data on: • No. of students per Class/division. • Foundational skills for progressive improvement. • Gender segregation The principal and teachers questionnaire will be qualitative while for the students, it will be quantitative and qualitative with Focused Group Discussion (FGD). The students' quantitative tools will include: 1) Fill in the blanks. 2) Match the columns. 3) Questions and 3 options. 4) Pictorial identifications of models. The documents supporting this activity is: 1) Call sheet. 2) WhatsApp group snapshot. 3) Questionnaires 4) Notes of FGD. 5) Pictures and Videos (if possible). 6) Raw data in excel. 7) M&E report
Maintenance	The maintenance team visits the school after the 1st M&E visit. (2-3 weeks after 1st M&E visit). The maintenance will include: • Repairing and replacement as and when required • Re-clean the premises. The documents supporting this activity: • Pictures of repaired model • Pictures of replaced model • Signed report of maintenance from the Principal/Teacher

2nd Monitoring & Evaluation Visit	Generally conducted 6-8 weeks after the maintenance visit. Qualitative: Students will be asked about their actual usage in class and MSC as part of FGD and IDI (In-depth Interview) lead questions. The second M&E visit follows the same procedure as the first M&E visit. The data will be gathered in the second set of questionnaires, which will be prepared, and the second M&E will be the baseline for the first year.

3. Cost Break up:

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
1	CONSTEL LATION VIEWER	Identification and study of Indian constellations About Constellations	Std. 8'th-17.Our Universe	5030	3	15090
2	NEWTONS DISC	White light is made up of 7 colours (VIBGYOR). Splitting of white light.	i)Std 7'th-15.Light ii)Std 8'th-16.Light iii)Std 10'th-11.The Human Eye and the colourful world	2230	2	4460
3	COLOUR SHADOW	Combinations of colour lights. Additive mixture of colour. Primary colours.	Std. 6'th-11.Light, Shadows and Reflection	5230	2	10460
4	PERISCOPE	Application of laws of reflection. Angle of incidence and angle of reflection	i)Std. 6'th-11.Light, Shadows and Reflection ii)Std 7'th-15.Light	5230	2	10460
5	KALIEDO SCOPE	Multiple reflection. Symmetric images. Patterns due to reflection	i)Std 6'th-11.Light, Shadows and Reflection ii)Std 6'th-13.symmerty (Math's)	2230	2	4460

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
6	LAWS OF REFLECTION	Laws of reflection for plane mirror. Angle of incidence = angle of reflection.	i)Std 6'th-11.Light, Shadows and Reflection ii)Std 7'th-15.Light iii)Std 8'th-16.Light iv)Std 10'th-10.Light - Reflection and	2230	2	4460
7	CORNER MIRROR	Multiple reflection. Image formula (N=360/A - 1) Angled mirrors.	i)Std 6'th-11.Light, Shadows and Reflection ii)Std 7'th-15.Light iii)Std 8'th-16.Light	4730	2	9460
8	INFINITY WELL	Multiple reflections. Image formation in parallel mirrors.	i)Std 6'th-11.Light, Shadows and Reflection ii)Std 7'th-15.Light iii)Std 8'th-16.Light	5230	2	10460
9	MAGIC WATER TAP	Optical Illusion. Refractive index of medium, refraction	Std. 10'th-10.Light - Reflection and Refraction	4730	2	9460
10	TOTAL INTERNAL REFLECTION	Total internal reflection, bending of light ray. Optical fibre	Std. 10'th-10.Light - Reflection and Refraction	5230	2	10460
11	FUN WITH MAGNETS	Types of magnets Magnetic field and properties of field lines	i)Std 6'th-13. Fun with Magnets ii)Std 10'th-13.Magnetic effects of electric current	2230	2	4460
12	LAW OF INERTIA	Newton's first law. Inertia is opposing change in state of rest.	Std. 9'th-9.Force and Law of Motion	5230	2	10460
13	CIRCLE & BALL	Newton's first law. Inertia is opposing change in motion. Centripetal force.	Std. 9'th-9.Force and Law of Motion	4730	2	9460

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
14	ACTION REACTION	Newton's 3rd law of motion. For every action there is equal opposite and reaction	Std. 9'th-9.Force and Law of Motion	4730	2	9460
15	PARROT IN THE CAGE	Persistence of vision. Frames per second. The basic concept of animation.	Std. 8'th-16.Light	3730	2	7460
16	ZOETROPE	Persistence of vision. Frames per second. The basic concept of animation.	Std. 8'th-16.Light	5230	3	15690
17	PIN SCREEN	Pressure Inverse relation of Pressure Area Representation of pixels	Std. 9'th-9.Force and Law of Motion	4730	3	14190
18	FLOATING BALL	Bernoulli's principle. Pressure difference and lift	Std. 7'th-8.Winds, Storms and Cyclones	4730	3	14190
19	FLOATING FAN	Bernoulli's principle. Air pressure difference	Std. 7'th-8.Winds, Storms and Cyclones	5230	3	15690
20	TORNADO	Atmospheric disturbances, currents, storms. Vortex of wind.	i)Std 7'th-8.Winds, Storms and Cyclones ii)Std 8'th-15.Some Natural Phenomena	4730	3	14190
21	HAND PUMP	Application of pressure to pump water. Pressure-volume relation.	i)Std 7'th-11.Transportation in Animals and Plants ii))Std 10'th-6.Life Process	4680	3	14040
22	ANAMORPH	Perspective, Viewpoints Illusion and Graphical projection	Std. 10 th - 11. The Human eye and The colourful Word	5130	3	15390

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
23	FLOATING MAGNET	Properties of magnet. Attraction in opposite poles and repulsion in like poles	i)Std 6'th-13. Fun with Magnets ii)Std 8'th-11.Force and Pressure	5030	3	15090
24	MAGNETIC FIELD TUBE	Magnetic field and properties of magnets. Density of liquid. Magnetic effects of electric current	i)Std 6'th-13. Fun with Magnets ii)Std 10'th-	5230	3	15690
25	MOMENT OF INERTIA	Moment of inertia Rotational inertia. Distribution of mass.	Std. 10- 6. Force and Pressure	4630	3	13890
26	LAZY TUBE	Magnetic Field and Forces, Eddy current, Lenz Law.	i)Std 6'th-13. Fun with Magnets ii)Std 10'th-13.Magnetc effects of electric current	5230	3	15690
27	HYPERBOLA	Conic sections. Shape of hyperbola.	i)Std 8'th-16.Light (Persistence of vision)	3730	3	11190
28	MAGNETIC EFFECT OF ELECTRIC CURRENT	Magnetism Magnetic effects of electric current. Compass deflection. Oesterd's experiment	Std. 10- 13. Magnetic Effect of Electrical Current	4730	3	14190
29	PYTHAGORAS & MOIRE PATTERN	Pythagoras theorem and Interference of Light	i)Std 7'th-6.The Triangle and its Properties ii)Std 9'th-9.Areas of Parallelograms and triangles iii)Std 10'th-6.Triangles Std 10-. 10. Light-Reflection and Refraction	5230	3	15690
30	ELLIPTICAL	Conic sections.	i)Std 8'th-13.Sound	5230	3	15690

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
	CARROM BOARD	Properties of ellipse.	ii)Std 9'th-12.Sound			
31	TWO CONGRUENT RIGHT TRIANGLES	Comparison of area of different geometric shapes. Congruent shapes.	i)Std 6'th-5.Understanding Elementary Shapes ii)Std 7'th-11. Perimeter and Area	3730	3	11190
32	A2 - B2 = (A+B)(A-B)	Geometric illustration of basic algebraic identity.	i)Std 7'th-12.Algebraic Expression ii)Std 8'th- 19.Algebraic expression and Identities iii)Std 9'th-	3730	3	11190
33	(A+B)2 =A^2+2AB +B^ 2	Geometric illustration of basic algebraic identity.	i)Std 7'th-12.Algebraic Expression ii)Std 8'th-19.Algebraic expression and Identities iii)Std 9'th-2.Polynomials	3730	3	11190
34	(A + B + C)^2 = A^2 + B^2 + C^2 + 2AB + 2BC + 2CA	Geometric illustration of basic algebraic identity.	i)Std 7'th-12.Algebraic Expression ii)Std 8'th-19.Algebraic expression and Identities iii)Std 9'th-2.Polynomials	3730	3	11190
35	SUM OF ANGLES OF A TRIANGLE	Elementary theorem of math. "Sum of all three angles of any triangle=180 ° Linear pair.	i)Std 6'th-5.Understanding Elementary Shapes ii)Std 7'th-6.The Triangle and its Properties	5230	3	15690
36	TANGRAM	Interesting tiling puzzle. Basic geometric shapes.	To all standard	3730	3	11190

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
37	(A+B)^2 - (A-B)^2 = 4AB	Geometric illustration of basic algebraic identity.	i)Std 7'th-12.Algebraic Expression ii)Std 8'th-19.Algebraic expression and Identities iii)Std 9'th-2.Polynomials	3730	3	11190
38	AREA OF RHOMBUS	Simple illustration of derivation of area of rhombus	Std. 10th - 6. Area and mensuration	3730	3	11190
39	AREA OF TRIANGLE	Simple illustration of derivation of area of triangle	Std. 10th - 6. Area and mensuration	5230	3	15690
40	AREA OF TRAPEZIUM	Simple illustration of derivation of area of trapezium	Std. 10th - 6. Area and mensuration	3730	3	11190
41	AREA OF PARALLELOG RAM	Simple illustration of derivation of area of parallelogram	Std. 10th - 6. Area and mensuration	3730	3	11190
42	SUM OF ANGLES OF A QUADRILATERAL	Sum of angles of Quadrilateral Complete angle	i)Std 6'th-5.Understanding Elementary Shapes ii)Std 7'th-6.The Quadrilateral and its Properties	3730	3	11190
43	AREA OF CIRCLE	Simple illustration of derivation of area of circle	Std. 10th - 6. Area and mensuration	2230	3	6690
44	PARKING PUZZLE	Mathematical logic Algorithm Brain Teaser	To all standard	1730	3	5190
45	ROPE PUZZLE	Logic and Mathematical shapes study of surfaces	To all standard	1730	3	5190
46	T PUZZLE	Brain teaser	To all standard	3730	3	11190

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
47	HUMAN TORSO	Human Body Anatomy Organs Functions of Body parts	Std 6th - 8 Body Movements	3730	3	11190
48	HUMAN JOINTS	Types of joint In human body Bones and ligaments	Std 6th - 8 Body Movements	3730	3	11190
49	EYE & EAR	Sense organs Functions of body parts Vision Hearing	Std. 5th - 1. Super Senses	3730	3	11190
50	PLANT CELL	Eukaryotic cells Difference between cells Parts of cell	Std 9th - 5. The Fundamental Unit of Life	3730	3	11190
51	ANIMAL CELL	Difference between cells, Parts of cell	Std 9th - 5. The Fundamental Unit of Life	3730	3	11190
52	DNA	Double helix structure of DNA. A-T and G-C pairs	Std 10'th- 9.Heredity and Evolution	2230	3	6690
53	SOLAR ENERGY	Conversion of solar energy into electricity. Application of renewable energy sources.	Std. 10'th- 14.Sources of Energy	4730	3	14190
54	WIND MILL	Working of wind mill. Conversion of wind energy into electricity.	Std. 10'th- 14.Sources of Energy	6230	3	18690
55	ORGAN PIPE	Sound of different frequencies and wavelengths. Musical notes.	i)Std 8'th-13.Sound ii)Std 9'th-13.Sound	5230	3	15690

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
56	TRANSVERSE WAVE PENDULUM	Mechanical wave. Basic concepts of transverse wave. Actual Representation of vibrating particles and propagating wave	i)Std 8'th-13.Sound ii)Std 9'th-13.Sound	6230	3	18690
57	COUPLED PENDULUM	Resonant frequency. The resonant frequency depends on the pendulum's length. Longer pendulums have lower frequencies.	i)Std 6'th-10.Motion, and Measurement of Distances ii)Std 7'th-13.Motion and time	5130	3	15390
58	SHAPE OF EARTH DUE TO ROTATION	Shape of earth Rotational force Centrifugal force	Std. 10 - 6.Gravitation	5030	3	15090
59	KE PE TRACK	Conversion of energy. Potential and Kinetic energy.	i)Std 6'th-10.Motion, and Measurement of Distances ii)Std 7'th-13.Motion and time iii)Std 9'th-11.Work and energy	4730	3	14190
60	LOOP THE LOOP	Conservation of energy. The minimum speed necessary to complete the loop without falling.	Std 9'th-11.Work and energy	6230	3	18690
61	NEWTONS CRADLE	Conservation of energy, conservation of momentum and friction.	Std. 9'th-9.Force and Law of Motion	4730	3	14190
62	REFRACTION CYLINDER	Refraction of light Alphabet symmetry	Std. 10th- 10. Light-Reflection and Refraction	5280	3	15840

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
63	REFLECTION TRANSMISSION	Application of laws of Reflection and Transmission of light reflection.	i)Std. 6t h - 11. Light, shadows and reflection ii)Std. 7th - 15. Light iii)Std. 8th - 16.Light	4730	3	14190
64	HAND BATTERY	Electric potential difference. Electric battery. Chemical effect of electric current	Std. 10'th-3.Metals & Non - Metals	4430	3	13290
65	CONE RUN UPHILL	Centre of mass.Gravity pulls on the centre of mass of objects	Std. 9'th-10.Gravitation	4730	3	14190
66	TOWER OF PISA	Center of mass. Centre of gravity. Gravitation. Stability of structure.	Std. 9'th-10.Gravitation	5230	3	15690
67	LEVER	Simple Machines Lever. Type of lever.	i)Std 9'th-11.Work and energy	2230	3	6690
68	PULLEY BLOCK	Pulley- simple machine. Combination of pulley. Mechanical Advantage.	i)Std 9'th-11.Work and energy	5730	3	17190
69	WHEEL & AXLE	How it is easy to rotate wheel when force is applied at a point distant from center.	i)Std 9'th-11.Work and energy	4730	3	14190
70	FORCE & TYPE OF FRICTION	Friction, speed due to surface texture. Rolling Friction.	i)Std 9'th-11.Work and energy	2230	3	6690
71	HEAT ABSORPTION	Black Body, Heat Absorption and Reflection, Colour Temperature	Std. 7th -4.Heat	4230	3	12690

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
72	CONDUCTOR INSULATOR	Electrical conductivity Types of conductor and insulator	i)Std. 6th - 12. Electricity and circuit ii)Std. 8th - 4. Materials: metals and non-metals iii)Std. 10th - 3. Metals and non-metals	4730	3	14190
73	VISCOSITY TUBE	Buoyancy. Viscosity. Density	i)Std 5th - 7.Experiments with water ii`)Std 9th - 10.Gravitation	6230	3	18690
74	ROCK N MINERALS	Different types of rock and mineral samples. Difference between them.	Std 9'th-14.Natural Resources	4730	3	14190
75	LATERAL SHIFT	Refraction of light, deviation in path.	Std. 10th -10 Light - Reflection and Refraction	2230	3	6690
76	FUNNY MIRRORS	Distorted mirror. Convex and concave mirrors	Std. 10th -10 Light - Reflection and Refraction	5030	3	15090
77	MARBLE SLIDE	Conservation of momentum.	Std. 9th - 9.Force and laws of motion	4630	3	13890
78	RESONANCE	Frequency and length of object, resonating frequency.	Std. 9th -. 4. Sound	2230	3	6690
79	WEIGHT ILLUSION	Weight Illusion Volume and Density	Std. 9th- 1.Matter - Its Nature &	5230	3	15690
80	ELECTRIC BELL	Electric Circuit, Electromagnet and magnetic effects of current	i) Std - 7th – 14 Electrical currents and its effects. ii) Std - 10th - 12. Magnetic effects of Electric Current.	3150	3	9450

Sl. No.	EXHIBIT NAME	CONCEPTS	SSC/CBSE BOARD	Cost for 1 School in Rs.	No. of schools	Total Cost
A		**Total Model Cost**		**3,44,320.00**	**3**	**10,32,960.00**
B		**Transportation & other cost**	Transportation	28230.	3	84690
			37 colorful backdrops	8230	3	24690
			80 User manuals	3730	3	11190
			1 Teacher Manual	1730	3	5190
			1 Gate Branding,	3730	3	11190
			1 Safety Manual	1730	3	5190
				47380.00	**3**	**142140.00**
			Total Cost (A+B)	**391700.00**	**3**	**1175100.00**

TRAINING OF TEACHERS (TTP)*		Cost in Rs.	No. of schools	Total cost
Trainer Personal Cost	8220 x 2 Days	16440	3	49320
Travel Allowance (Train or Bus & Local travelling)	2110 x 4 days	8440	3	25320
Snacks for Teachers (It includes lunch and snacks for teachers)	5220 x 2	10440	3	31320
Material Cost (Stationery & Printing for each student and teachers)	3220 x 2	6440	3	19320
Stay	2720 X 2 days	5440	3	16320
	C	**47,200.00**	**3**	**1,41,600.00**
MONITORING & EVALUATION				
M&E Officer Personal Cost	8220 x 2 Days	16440	3	49320
Travel Allowance (Train or Bus & Local travelling)	2110 x 4 days	8440	3	25320
Snacks for Teachers (It includes lunch and snacks for teachers)	5220 x 2	10440	3	31320
Material Cost (Stationery & Printing for each student and teachers)	3220 x 2	6440	3	19320
Stay	2720 X 2 days	5440	3	16320
Material Cost (Stationery & Printing for each student and teachers)	3220 x 2	6440	3	19320
	D	**47,200.00**	**3**	**1,41,600.00**
INFRASTRUCTURE				
Pcs Partical Board 100 ft running Size (8ft x1.5ft)	19720	19720	3	59160
45 pcs Iron Brackets	13020	13020	3	39060

5 pcs Electric Casing	4220	4220	3	12660
Switch and Socket 20pcs each	1220	1220	3	3660
10 pcs socket box	1720	1720	3	5160
Wodden Bit 14 pcs of 7.5 ft	1920	1920	3	5760
Steel wall nails (2kg)	1220	1220	3	3660
Red & Black Wire 40 mtr Each	1420	1420	3	4260
1 MCB	1520	1520	3	4560
100 pcs Screw (1inch)	1220	1220	3	3660
	E	**47,200.00**	**3**	**141600.00**
	Total Cost (A+B+C+D+E)	**5,33,300.00**	**3**	**15,99,900.00**

4. Guarantee / Warrantee:

i. Cost of Annual Maintenance service (Cleaning, servicing & if replacement) is complimentary for 1st year.

ii. During 1st year, the firm shall repair any item if required within 15 days of receipt of requisition and replace any item within 30 days of receipt of requisition at free of cost.

After 1st year, the firm shall repair any item if required within 15 days of receipt of requisition and replace any item within 30 days of receipt of requisition on chargeable basis.

5. Payment terms:

The firm agreed for the following payment terms:

a) 50 % of the price of Item No.1 & 4 will be paid within 10 days of submission of invoice after supply of material.

b) 50 % of the price of Item No.1 & 4 will be paid after completion of installation within 10 days of submission of invoice after installation.

c) 50 % of the price of Item No,2 & 3 will be paid within 15 days of submission of invoice after completion of 1st training programme and 1st monitoring & evaluation.

d) 50 % of the price of Item No,2 & 3 will be paid within 15 days of submission of invoice after 1 year of completion and on certification from GM(Education)

6. Other Terms & Conditions

i. The firm shall provide training for all the Mathematics and Science teachers of 3 schools during 1st & 2nd visits.

ii. The firm shall provide online training for 1 teacher from each school during 2nd year & 3rd year at free of cost.

iii. During 1st year, the firm shall repair any item if required within 15 days of receipt of requisition and replace any item within 30 days of receipt of requisition at free of cost.

After 1st year, the firm shall repair any item if required within 15 days of receipt of requisition and replace any item within 30 days of receipt of requisition on chargeable basis.

19-10-22

For G.M. (Material Procurement)
The Singareni Collieries Company Ltd.
(A Govt. Company)
Kothagudem Collieries - 507 101.