

**O/o State Council of Educational Research and Training, Haryana,
Gurugram**

Opposite:- Panchyat Bhawan,
Sohna Road, Gurugram
Haryana-122001

Memo No: - SCERT/SAMARAA/1067

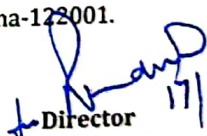
Dated:- 11.03.20

Subject: - Quotation for supply of Science Items/equipments/chemicals for Mobile Science van.

State Council of Educational Research and Training, Gurugram invites quotations in sealed cover for **Science Items/equipments/chemicals for Mobile Science van**, at the address mentioned above. A tentative list of items is attached.

2. General Condition:-

- a) Interested agencies are requested to submit their quotation/tender in a sealed cover duly super scribed "**Supply of Science Items/equipments/chemicals for Mobile Science van**".
- b) The quotation in sealed cover should be sent to this office, addressed to the Director SCERT Haryana, Gurugram of Opp- Panchyat Bhawan, Sohna Road, Gurugram Haryana-122001.
- c) The quotation may be sent by post or delivered at reception at the above office address.
- d) The quotation in the sealed containing the financial and technical bids must reach this office on or before 12 noon by 24th March 2020.
- e) The bidder will have to be present in person or through an authorized representative on the aforementioned time and date in this office. However, this office also reserves the right to reject any bid or withdraw the whole process without assigning any reason.
- f) Bids received after due date, bids not contained in a sealed envelope, incomplete quotation or received later than stipulated time shall be summarily rejected without assigning any reason and without any communication.
- g) The validity of the quotation shall be for three months from the date of awarding the order/work for SCERT Haryana, Gurugram of Opp- Panchyat Bhawan, Sohna Road, Gurugram Haryana-122001.


Director
SCERT Haryana
Gurugram

17/3/20

Copy to:

1. Notice Board.
2. Web Manager, SCERT Gurugram for wide publicity through departmental website.

TENTATIVE LIST OF ITEMS

S.No	Material	Specifications
	Glassware	
1	Droppers	Glass, 4"
2	Petridish	Glass, Medium size, Single
3	Petridish	Plastic, Medium size, Singe
4	Beaker	Glass, 1000 ml, Borosil
5	Beaker	Glass, 500 ml, Borosil
6	Beaker	Plastic, 250 ml, Borosil
7	Beaker	Glass, 50 ml, Borosil
8	Beaker	Plastic, 500 ml
9	Slides	Empty(unused), Box of 50
10	Test tubes	Regular/medium size, Borosil
11	Test tubes	Boiling, Borosil
12	Conical flask	Glass, 250 ml
13	Thistle Funnel	Glass, Small
14	Measuring cylinder	Plastic, 500 ml
15	Measuring cylinder	Plastic, 250 ml
16	Measuring cylinder	Plastic, 100 ml
17	Measuring cylinder	Plastic, 50 ml
18	Syringe	2 or 3 ml
19	Coverslips	Microscope, 10 boxes unit
20	Funnels	Glass, Medium size
21	Funnels	Plastic, Small
22	Funnels	Plastic, Big
23	Bell Jar	Glass with lid
24	L Tubes	Regular
25	Glass rods	Regular
26	Glass trough	Regular
27	Glass tubes	Regular
28	Round bottom flask	Glass, 250 ml
29	Over flow jar	Plastic, 250 ml
	Apparatus/Equipment	
30	Microscope	Olympus (or regular supply)
31	Tripod stand	Regular
32	Wire gauze	Regular
33	Spirit lamp	Metal
34	Spatula	Steel, Regular size
35	Spatula	Plastic, Regular size
36	Tongs	Regular
37	Forceps	Steel, Long
38	Forceps	Steel, Small

39	Filter paper	Pack of 100 papers
40	Stop watch	Digital
41	Stop watch	Big, Analog
42	Rubber cork - One hole	For conical flask
43	Rubber cork - without holes	For test tubes
44	Rubber cork - Two holes	For conical flask
45	Rubber cork - One hole	For test tubes
46	Test tube stand	Plastic
47	Plastic bucket	Small
48	Plastic Bucket	Big
49	Plastic tray	Medium
50	Plastic tokens	Size of 2 rupee coin, packet
51	Magnifying Glass	Regular
52	Permanent slides (Set)	Euglena, Paramecium, Amoeba
53	Bell	Small, Temple bell
54	Weighing balance	Gram sensitive
55	Spoons	Steel
56	Spoons	Plastic (pack of 100)
57	Spoons	Big (used for sambar pouring)
58	Measuring tape	Tailors tape
59	Plastic bottle with lid	Chocolate container 5 ltr capacity
60	Petrol tube	Transparent, in meters
61	Nylon tube	White, thick, in meters
62	Mirrors with woodeen base	5 x 10 inch, flat
63	Plastic boxes (Smoke box)	Rectangular, transparent
64	Test tube holders	Regular with wooden handle
65	Plastic bowl	Long
66	Plastic bowl	1 liter capacity
67	Motor & pestle	Small
68	Hose pipe (Water pipe)	Flexible, 1/2 " dia, in meters
69	Copper wire	Any dia, in meters
70	Cloth bag	2 kg capacity
71	Cardboard Box	Shoe box size
72	Marbles	Medium size, pack of 10
73	Sponge	
74	China dish	Porcelain, Small
75	Deflagrating spoon	Long
76	Gloves	Regular, in pair
77	Goggles	Regular
78	Gas Jar	Glass, Regular
79	Test tube cleaning brush	
80	Thermometers	Alcohol, Laboratory
81	Thermometers	Clinical
82	Thermometers	Digital (Clinical)

83	Thermometers	Maximum & Minimum
84	Wash bottles	Squeezing bottle, 500 ml plastic
85	Vertical stands	For test tubes
86	Red Litmus	A pack of 10
87	Blue Litmus	A pack of 10
88	Wooden block	10 x 10 x 10 cm, one side rough
89	Delivery tubes for test tubes	Glass, with stoppers at ends
90	Plastic plate	Regular dining plate
91	Bar magnets	Single pieces
92	Wooden block	2 x 2 inch
93	Nuts	Small, 1/4 kg pack
94	Bolts	Small, 1 inch, 1/4 pack
95	Washers	Small, 1/4 kg pack
96	Separating funnel	Plastic
97	Sieve	For flours
98	Steel plates	Dining plate
99	Immersion heater	125 W
100	Flex box	Junction box
101	Water bottles	1 liter capacity- Used
102	Tin	Black, 250 ml capacity
103	Tin	White, 250 ml capacity
104	LED Torch	
105	Torch stand	
106	Glass	Transparent, 10 x 10 cm
107	Frosted Glass	10 x 10 cm
108	Wood pieces	Ply wood, 10 x 10 cm
109	Screens	
110	Lens/Mirror stand	V stand
111	Glass slab	Acrylic or Glass
112	Semi circular Glass slab	Acrylic or Glass
113	Prism	Glass, Medium size
114	Meter stick	1 meter long, any dia
115	Chessboard	Without coins
116	Concave mirrors	f=15cm
117	Convex mirrors	f=15cm
118	Convex Lens	f = 10 cm
119	Concave Lens	f = 10 cm
120	Laser light	Good quality
121	Black cloth	3 square meter
122	Globe	Medium size
123	Plastic tub	Small
124	Flute	Wooden
125	Toy drum	
126	Toy Guitar	

127	Metal rods	20 cm length, 5 mm
128	PVC pipe	2 meters, 3/4 inch
129	Slinky spring	
130	Rope	Soft, 1 inch thick, 7 meter length
131	Spring Balance	0 - 100 gm
132	Spring Balance	0 - 500 gm
133	Slotted weights	50 - 50 gm set
134	Iron nails	2 inch
135	Nylon cloth	1 square meter
136	TT balls	Regular packet
137	Toy car	Big size
138	Carron board coins	Complete set with striker
139	Magnetic compass	Small
140	Hammer	Small
141	Horse shoe magnets	
142	Needle magnet	
143	Ring magnets	
144	Strong magnets	
145	Battery boxes	6 V, four cell capacity
146	Torch bulbs	1.5 or 2.5 V, pack of 50
147	Bulb holders	for torch bulbs (1.5 V)
148	Connecting wire	Black, in meters
149	Connecting wire	Red, in meters
150	Switches	
151	Crocodile clips	Red
152	Crocodile clips	Black
153	Tester	
154	Voltmeters	0 - 5 V
155	Ammeters	0 - 300 mA
156	Rheostat	Big, 0 - 75/100 ohm
157	Bulb	60 W
158	LED bulb	All colours
159	Copper rods	1 mm dia, 10 cm length
160	Acrylic pieces	5 x 2 x 1 cm
161	Connecting stands	Wooden with two nails
162	Battery eliminator	0 - 12 V
163	Resistors	5 ohm
164	Resistors	2 ohms
165	Nichrome wire	Thick in meters (22 guaze)
166	Nichrome wire	Thin, in meters (26 guaze)
167	Cycle tube	New
168	Rubber sheets	2 square foot
169	Cycle pump	
170	Tumbler	Steel

171	Metal can	1/2 liter capacity
172	Saline tube set	Complete set with stoppers
173	Round bottom flask stand	
174	Beads	Plastic, 1 cm dia, hollow
175	Iron cubes	4 x 4 x 4 cm
176	Iron cubes	3 x 3 x 3 cm
177	Iron cubes	2 x 2 x 2 cm
178	Aluminum cubes	4 x 4 x 4 cm
179	Aluminum cubes	3 x 3 x 3 cm
180	Aluminum cubes	2 x 2 x 2 cm
181	Wooden cubes	4 x 4 x 4 cm
182	Wooden cubes	3 x 3 x 3 cm
183	Wooden cubes	2 x 2 x 2 cm
184	Copper plates	For electro plating
	Chemicals/Reagents	
185	Iodine solution	500 ml bottle
186	Methanol	500 ml bottle
187	Ethanol	500 ml bottle
188	Sodium bi carbonate	500 gm bottle
189	Sodium carbonate	500 gm bottle
190	Cresol red	125 ml, bottle
191	Methylene blue	125 ml, bottle
192	Soap solution	500 ml bottle
193	Lime water	500 ml bottle
194	Potassium permanganate	500 gm bottle
195	Spirit	5 liter bottle
196	Starch powder	100 gm bottle
197	Benedict's reagent	500 gm bottle
198	Copper sulphate crystals	500 gm bottle
199	Sodium hydroxide pellets	500 gm bottle
200	Hydrochloric acid	Dilute HCl, 500 ml
201	Sulphur powder	500 gm bottle
202	Magnesium ribbons	Regular
203	Acetic acid	500 ml bottle
204	Calcium chloride	500 gm bottle
205	Zinc flakes	100 gm bottle
206	Copper flakes	500 gm bottle
207	Copper oxide	500 gm bottle
208	Phenolphthalein	125 ml, bottle
209	Lead nitrate	500 gm, bottle
210	Potassium iodide	100 gm, bottle
211	Barium hydroxide	500 gm bottle
212	Ammonium chloride	500 gm bottle
213	Ammonium dichromate	500 gm bottle

214	Vinegar (Bakery made)	500 ml bottle
215	Iron filings	500 gm bottle
216	Acetone	500 ml bottle
217	Iron sulphate	500 gm bottle
218	Baking soda (from general stores)	1/4 kg pack
219	Hydrogen Peroxide	500 ml bottle
220	Manganese dioxide	100 gm
221	Distill water	1 liter bottles
	Stationary & Consumables	
222	Scissors	Small
223	Cutters	Regular stationary
224	Whistle	Sports whistle
225	Straw	Straight, pack of 100
226	Straw	Bending, Pack of 100
227	Match box	Any, Pack of 10 pieces
228	Permanent markers	Any colour
229	Napkins or wiping cloths	
230	Vaseline	Small bottles
231	Thread	Regular, Rolls
232	Tissue Papers	Pack of 100 tissues
233	Graph sheets	A4 size, bundle of 50
234	Pencils	Pack of 10
235	Erasers	Pack of 10
236	Sharpeners	Pack of 10
237	A4 sheets	Rim
238	Balloons	Medium size packet
239	Transparent colour sheets	All colours (5 each)
240	Black chart paper	
241	Tea cups	Regular packet
242	Polythene covers	3 x 5 inches, pack of 100 gm
243	Water glasses	Plastic, transparent pack
244	Cardboard sheets	Brown, Thick
245	Cello tape	2" dia
246	Blades	Pack of 10 pieces
247	Painting brush	0 size
248	Scales	Plastic, 30 cm long
249	Ice cream sticks	Pack of 250 gm
250	Chart papers	Set of 10 charts incl all colours
251	Bell pins	Regular, box/packet
252	Fevicol	50 gm
253	Candles	Big
254	Candles	Medium size pack of 5
255	Chalk	Coloured, box
256	Incense sticks	Pack

257	Glucose	Regular packet
258	Sugar	1/4 kg pack
259	Salt	1 kg packet
260	Sketch pens	A pack of 12 pens
261	Wax	1/4 kg pack
262	Sand paper	
263	Hand wash	Dettol,
264	Cotton	Regular rolls
265	Washing soap	Rin/Vim or any - regular size
266	Washing powder	Any, 250 gm packet
267	Paper plates	Medium size, pack of 50 plates
268	Stapler pins	Regular
269	Coconut oil	250 ml bottle
270	Aluminum foil	Regular rolls
271	Table paper	Steel colour, in roll
272	Butter paper	A pack of 50
273	Plastic ball	Cricket ball size, smooth
274	Plastic ball	Large
275	Thermocol balls	Regular size packets
276	Compass	Geometric/Maths
277	Protractors	Geometric/Maths
278	M seal	Regular, single packs
279	Rubber bands	Big, A pack of 100 gm
280	Rubber bands	Small, A pack of 100 gm
281	Cells	1.5 V Small (Torch cells)
282	Cells	1.5 V, Big
283	Safety pins	Big, pack of 10
284	Hair pins	Regular, A pack of 10
285	Camphor	Regular packet
286	Red buttons	Shirt buttons
287	Blue buttons	Shirt buttons
288	Yellow buttons	Shirt buttons
289	Insulation tapes	
	Models	
1	Eclipse	
2	Phases of moon	
3	Same face of moon	
4	Seasons	
5	Centrifugal kit (bell model)	
6	Centrifugal kit (globe model)	
7	Double cone	
8	Inertia at Rest	

9	Inertia at Motion	
10	Newton 3rd law (tin ,thread, water)	
11	Newton 3rd law (Wooden plank & spring balance)	
12	Time period (Mass, Length & Amplitude))	
13	Speed & Velocity Model	
14	Transverse waves with hand rotation	
15	Longitudinal waves (Slinky toy)	
16	Resonance	
17	Tuning fork set	
18	Doppler effect	
19	Optics kit (with wooden box)	
20	Smoke box (2 laser pointers, plane mirror, rough surface stand, lens and mirror stand)	
21	Umbra penumbra stands	
22	Pinhole camera	
23	Periscope	
24	Kaleidoscope	
25	Lateral shift	
26	Newton color disc	
27	Ray Pad	
28	Electrical kit (13 expts)	
29	Levitron	
30	Electrolysis kit	
31	Solar energy kit	
32	Bi metallic strip	
33	Heat switch	
34	Ball and ring	
35	Heat conductivity	
36	Linear expansion	
37	Convection	
38	Heat absorption by blackbodies(radio meter)	
39	Magdeburg hemisphere	
40	Manometer	
41	Submarine	
42	Density by different liquid	
43	Syphon system	
44	Surface tension with soap bubbles	
45	Conservation of momentum (Newton cradle)	Modified - New version - TLM
46	Conservation of momentum (with marbles)	
47	Conservation of energy (P.E & K.E)	

48	Couple pendulum (energy transfer)	
49	Cycliodial path	
50	Moment of inertia (Down hill race)	
51	Moment of inertia (hand rotation)	
52	Inclined Plane Model	
53	Lever Model	
54	Wedge Sets	
55	Circular Motion	
56	Curved mirror	
57	Art bank	
58	Deep well	Modified - New version - TLM
59	One object eleven images	
60	Steam engine	
61	Paper tub	
62	Simple Voltaic Cell	
63	Blade and coil	
64	AC & DC Dynamo	Modified - New version - TLM
65	Simple motor	
66	Flemings' Left hand rule	
67	Flemings' Right hand rule	
68	Oersted law	
69	Solenoid	
70	Faradays laws	
71	Wind mill	
72	Optic Fibers	
73	Lazy tube	
74	Colour shadows	
75	Properties of Concave mirror	
76	Angular mometum	
77	Hand battery	
78	Sliding Kalaeidoscope	
79	Magnetic field around different shapes of magnets	
	Biology	
80	Brain (Puzzle one)	
81	Eye model	
82	Depth perception (Needle)	
83	Depth perception	Modified - New version - TLM
84	Persistence of vision	
85	Reaction time (Wooden scale)	
86	see your own pupil	

87	Heart model	
88	Skeletal system	
89	Lung model	
90	Working principle of Lung expansion	
91	Human Torso	
92	Human Jaw - Small	
93	Human Kidney Model	
94	Vision pipe	
95	Foot joint	
96	Elbow joint	
97	Shoulder joint	
98	Hip joint	
99	Knee Joint	
100	ADP & ATP - Interconversion	
Chemistry		
101	Electronic configuration model	
102	Plasma Ball	
103	Ball and Stick Model	
Charts		
1	Circulatory system	
2	Digestive system	
3	Respiratory system	
4	Nervous systems	
5	Skeletal system	
6	Muscular system	
7	Sense organs	
8	T.S of Leaf	
9	Periodic Table	