

जवाहर नवोदय विद्यालय, होंडरबालु, चामराजनगर जिला

JAWAHAR NAVODAYA VIDYALAYA, HONDARABALU, CHAMARAJANAGAR DIST.
Financial Bid for the supply of Laboratory Equipments for the year 2019-20

Sl. No.	Name of the Items	Specification / Brand	Quantity	Rate including Taxes	
				in numbers	in words
1	2	3	4	5	6
PHYSICS LABORATORY					
1	Rheostat	100 Ω	per No.		
2	Metre Bridge	1m wire with jockey	per No.		
3	Resistance box	0- 1000Ω	per No.		
4	Resistance box	0-5000Ω	per No.		
5	Potentiometre	4m wire with jockey	per No.		
6	Daniel Cell	with electrodes	per No.		
7	Leclanche cell	with electrodes	per No.		
8	Concave mirror	focal length 10 cm	per No.		
9	Convex mirror	focal length 10 cm	per No.		
10	Glass prism	Equilateral	per No.		
11	Optical bench	wooden with 1m scale	per No.		
12	Vernier calipers	metal	per No.		
13	Simple pendulum bob	metal with hook	per No.		
14	Extension board	wooden	per No.		
15	Connecting wires	white twine coated – 100 mtr	per No.		
16	Nichrome wire	roll	per No.		
17	Galvanometre	30-0-30	per No.		
18	Cell Holder (2/3 cell holder)	Plastic	per No.		
CHEMISTRY LABORATORY					
1	2	3	4	5	6
19	Atomic model Euro dising teacher set	EDISON	per No.		
20	Barometer -anroid (demonstration)	VISEN/EDISON	per No.		
21	centrifugal force kit	REMI	per No.		
22	Concentration of energy model	EDISON	per No.		
23	Direct vision spectroscope brass	BLISCO	per No.		
24	Expt.Set up for preparation of chlorine	EDISON/ BOROSIL	per No.		
25	X-Ray Tube Model:Model made of glass	BOROSIL	per No.		
26	Helium molecule model	POLYLAB	per No.		
27	Hydrocarbon set of 10	POLYLAB	per No.		
28	HYdrocarbon molecular model	POLYLAB	per No.		
29	Nuclear Power Plant	POLYLAB	per No.		
30	Structure of C-6-Bucky Ball	POLYLAB	per No.		
31	Structure of Diamond Loose in box	POLYLAB	per No.		
32	collection of fibers	POLYLAB	per No.		
33	thermometer ferahnate 220°F alcoholic		per No.		
34	centrifuge machine - 4×15ml electrically operated	REMI	per No.		
35	glass making pencil	camlin	per No.		
36	magnetic stirrer with hot plate-500ml	REMI	per No.		
37	ostwald viscometer	BOROSIL	per No.		
38	pH chart laminated	BIOVISUAL	per No.		
39	pipette sucker small	GOOD QUALITY	per No.		
40	pipette sucker midium	GOOD QUALITY	per No.		
41	pipette sucker large	GOOD QUALITY	per No.		
42	platinum wire fused in glass rod	BOROSIL	per No.		
43	portable gas plant with 2 kg ISI marked cylinder with table fittings and 4 burners	ISI MARK	per No.		
44	rubber cork S	GOOD QUALITY	per No.		
45	thermometer- lab digital	GOOD QUALITY	per No.		
46	water deionizer-50lit/hr (no electricity required)	GOOD QUALITY	per No.		
47	burette with teflon stop cock -plastic 25ml	-	per No.		
48	burette with teflon stop cock -plastic 50ml	-	per No.		
49	conical flask B/glass 250ml		per No.		
50	Barium Nitrate	500 gm	per No.		
51	Benzaldehyde	500 gm	per No.		
52	Led Nitrate	500 gm	per No.		
53	Led Acitae	500 gm	per No.		
54	Hydrochloric acid (conc)	500 ml	per No.		
55	Sulphuric Acid (conc)	500 ml	per No.		
56	Nitric Acid	500 ml	per No.		
57	Zinc Sulphate	500 gm	per No.		
58	Copper Sulphate	500 gm	per No.		
59	Aniline	500 ml	per No.		
60	Ammonium Carbonate	500 gm	per No.		
61	Acetone	500 ml	per No.		
62	Ammonia	500 ml	per No.		
63	2, 4, ZNP Hidrazine	01 No	per No.		
64	PH paper	pkt	per No.		
65	Ethenol	500 ml	per No.		
66	Megnesium Ribbon	pkt	per No.		
67	Litmus Paper - Blu	pkt	per No.		
68	Litmus Paper - Red	pkt	per No.		
69	Litmus solution	500 ml	per No.		
70	Schiff Reagent	500 ml	per No.		
71	Storage Bottle (Soda Glass)	2.5 Ltr	per No.		
72	Storage Bottle (Brown Glass)	2.5 Ltr	per No.		
73	Cap Opener		per No.		
74	Sodium Nitrate	500 gm	per No.		
75	Pottasium Nitrate	500 gm	per No.		

BIOLOGY LABORATORY					
1	2	3	4	5	6
76	Boiling tube-	50 ml	per No.		
77	Test tube-	20ml	per No.		
78	Twice bent glass tube	(both side bend towards the same direction)	per No.		
79	mortar and pestle		per No.		
80	glass slide	packet	per Pkt		
81	Cover slip	packet	per Pkt		
82	Beaker	500ml	per No.		
83	Beaker	1000ml	per No.		
84	pipette	1ml	per No.		
85	pipette	5ml	per No.		
86	Spirit lamb		per No.		
87	Graduated measuring cylinder (glass)	100ml	per No.		
88	glass funnel	75mm diameter	per No.		
89	filter paper		per No.		
90	blotting paper		per No.		
91	thermometer		per No.		
92	wire gauze		per No.		
93	tripod stand		per No.		
94	ethanol	500ml	per No.		
95	Saffranine stain	250ml	per No.		
96	Methylene blue	250ml	per No.		
97	Iodine solution	250ml	per No.		
98	glucose	500gm	per No.		
99	starch powder	500gm	per No.		
100	Acetic acid	500ml	per No.		
101	hydrochloric acid	500ml	per No.		
102	Acetocarmine	250ml	per No.		
103	distilled water	1litre	per No.		
104	Glass dropper(long)		per No.		
105	Glass dropper(short)		per No.		
106	needle with plastic handle		per No.		
107	camaline brush		per No.		
108	petri dish		per No.		
109	watch glass	75mm diameter	per No.		
110	laboratory wash bottle plastic	250ml	per No.		
111	laboratory wash bottle plastic	500ml	per No.		
112	Wide range pH Paper	Pkt	per Pkt		
113	Electronic weighing machine		per No.		
114	Staining rack-wooden		per No.		
115	Test tube Stand-wooden		per No.		
116	blade-one packet of 10 nos		per Pkt		
117	Projection Microscope		per No.		
118	formaline	500ml	per No.		
119	Pin	packet	per Pkt		
120	black paper sheet		per No.		
121	Benedict's solution	500ml	per No.		
122	Fehling's solution A	500ml	per No.		
123	Fehling's solution B	500ml	per No.		
124	Sodium hydroxide solution	500ml	per No.		
125	Copper sulphate solution	500ml	per No.		
126	Nitic acid	500ml	per No.		
127	Ammonia solution	500ml	per No.		
128	Millon's reagent	250ml	per No.		
129	Sudan III	250ml	per No.		
130	Chromatographic paper- sheet		per No.		
131	split cork suitable for 50ml boiling tube		per No.		
132	Ether	500ml	per No.		
133	Acetone	500ml	per No.		
134	Capillary tube -1.1-1.2mm diameter and 75mm length(for paper Chromatography)		per No.		
135	Pottassium hydroxide	500gm	per No.		
136	Conical flask	500ml	per No.		
137	one holed cork (suitable for 500ml conical flask)		per No.		
138	tooth pick	packet	per Pkt		
139	Vaseline	500gm	per No.		
140	Dropping bottle glass	250ml	per No.		
JUNIOR SCIENCE LABORATORY					
1	2	3	4	5	6
141	SPIRIT [ETHANOL]	NICE	per 500 ml		
142	LIME WATER	NICE	per 500 ml		
143	SODIUM HYDROXIDE SOLUTION	NICE	per 500 ml		
144	POTASSIUM PERMANGANATE CRYSTALS	NICE	per 100Gms		
145	DILUTE HYDROCHLORIC ACID	NICE	per 250 ML		
146	DILUTE SULPHURIC ACID	NICE	per 250 ML		
147	BALL ENDED MAGNET	Best Quality	per Pair		
148	CYLINDRICAL MAGNET	Best Quality	per Pair		
149	DIGITAL WEIGHING MACHINE(HUMAN)	Best Quality	per No.		
150	BOTTLE SPECIMEN	PITCHER	per No.		
151	BOTTLE SPECIMEN	ORCHID	per No.		
152	T/S OF LEAF	PLASTIC MODEL	per No.		
153	SOLAR SYSTEM	WORKING MODEL	per No.		

MATHS LABORATORY

1	2	3	4	5
154	Vertex Wonder: This rods and ball set shows the concepts such as Symmetry, Space, Shapes and Construction. It helps children to analyze the difference between Pyramid and Prism in point, line and side. Set consist 330 pieces of vertex and rods	per set		
155	Phases Fraction (48 Pcs.): This is very useful to learn fraction, percentage, decimals, area, perimeter of different shapes and their relation.	per set		
156	Pantomimes: Pentominoes is puzzle game consisting of five identical squares connected by their sides. Players must rotate the shapes and fit them into a grid so the shapes interlock and the finished grid has no empty spaces. Set of 60 Pcs	per set		
157	Set Theory By Ven Diagram: Understanding the concept of subset a set, union, intersection, set set Venn pieces of set activity models in colorten magnetic 0 9. Eight student activity eight colors good paper.	per set		
158	Probability Kit: Use to understand the concept of sample space, event space, dependent event, independent event, mutually exclusive event, random probability concept in probability. Set contains one wooden probability board. Spinner, 4 colour dice,20 coins, playing card, 400 of Marbles four colors, contains marbles.	per set		
159	Arithmetic Progression (Magnetic tiles): Used for understanding the concept of first term, common difference, nth terms and arithmetic progression series and also calculates the sum of arithmetic progression series set contains 50 pieces of magnetic rectangular foam tiles and 50 pieces of magnetic square foam tiles. All activity can be performed by student with the help of these foam tiles without board.	per set		
160	Pascal Triangle Kit: Used to the determine the coefficient of different terms of a binomial expansion. Set contains 51Magnetic stick and 21 magnetic counter.	per set		
161	Butter Paper: A3 Size	per 100 Nos		
162	Single side Colour Sheet: A4 Size	per 100 Nos		

Date:

Place:

Full Signature _____

Name _____

Address of the Firm with Seal _____