

# **JAWAHAR NAVODAYA VIDYALAYA REWAR, NAWADA**

**(TENDER FORM 2018-19)**

## **LAB EQUIPMENTS ( PHYSICS)**

S. No.	PARTICULARS	UNIT	Rate (including all taxes)	
			In figure	In words
1	Bar Magnet SIDHI 75 x 12 x 8 mm F	per pc.		
2	Battery Eliminator 2 - 12 V 3 A JED ISO 9001:2000	per pc.		
3	Concave / Convex Lens Good Quality 2" Nirmal	per pc.		
4	Connection Wire 500 gm Coil Devendra	per pc.		
5	Connector / Lead JED Red / Black both side U	per pc.		
6	Connector / Lead JED R / B one side U & one side plug	per pc.		
7	Connector / Lead JED Red / Black both side plug	per pc.		
8	Concave / Convex Mirror 2" FL 10-30	per pc.		
9	Drawing Board Pin	per pc.		
10	Drawing Board Pine Sup Q 12" x 18"	per pc.		
11	Geometry Box OMEGA	per pc.		
12	Lead Accumulator 2 V 45 Ah Link / Globe	per pc.		
13	Lycopodium Powder 100gm	per pc.		
14	Magnetic Compass Needle 2" Brass Body DESCO	per pc.		
15	Magnetic Compass Needle Both Side Glass	per pc.		
16	Meter Bridges Extra Heavy Brass Plates R & Co.	per pc.		
17	Meter Scale Full Seasoned Wood (DSW)	per pc.		
18	Meter Scale Half Seasoned Wood (DSW)	per pc.		
19	Ohm's Law Apparatus JED ISO 9001:2000	per pc.		
20	Optical Bench Brass Extra Heavy Graduated	per pc.		
21	Over Flow Can PP	per pc.		
22	Plug Commutator Brass Four Way Standard	per pc.		
23	Plug Key Brass one way	per pc.		
24	Plug Key Brass Two way	per pc.		
25	Potentiometer 10 wire Sunmica Top Brass R & Co.	per pc.		
26	Potentiometer 4 wire Sunmica Top Brass R & Co.	per pc.		
27	Portrait Scientist Physics	per pc.		
28	Plumb Line Brass	per pc.		
29	Ray Optics Kit	per pc.		
30	Resistance Coil in Bakelity Case	per pc.		
31	Resonance Col App Acrylic Pipe & Reservoir	per pc.		
32	Reversing Key Brass Parts	per pc.		
33	Screw Gauge Micrometer Brass Sup 20 mm	per pc.		
34	Screw Gauge Micrometer Brass Sup 25 mm	per pc.		
35	Slotted Weight Brass Polished 50 x 5gm= 250 gm	per pc.		
36	Sonometer - soft wood with Brass Fitting	per pc.		
37	Spherometer Single Disc Brass 1/100 "A"	per pc.		

38	Spirit Level Brass 2"	per pc.		
38	Spring Balance ELSON Acrylic Body Round	per pc.		
40	Stop Clock Jayco	per pc.		
41	Stopwatch IMPORTED 1/10 Sec. Mechanical	per pc.		
42	Stopwatch IMPORTED 1/10 Sec. Digital	per pc.		
43	Steam Boiler Copper 1 L	per pc.		
44	Tapping Key Single Brass	per pc.		
45	Travelling Microscope Brass	per pc.		
46	Tuning Fork set of 8 in Blue Steel Ragg type Box	per pc.		
47	Universal Lens Holder Metallic lens/mirror	per pc.		
48	Universal Pin stand with Pin Heavy Quality	per pc.		
49	Vernier Caliper 5" Wheel Type Sup Quality	per pc.		
50	Voltmeter 3 V & 1.5V EDM 80 OM METER	per pc.		
51	Digital Multimetre	per pc.		
52	Carbon Transister	per pc.		
53	Carbon Resisters (Value-100 Ohm )	per pc.		
54	Carbon Resisters (Value-100 Kilo Ohm )	per pc.		
55	Carbon Resisters (Value-1 Kilo Ohm )	per pc.		
56	I.C.810	per pc.		
57	Zenior Diode Charecteristic App 4 METER JED	per pc.		
58	PN Junction Diode Charecteristic App 4 METER JED	per pc.		
59	Transistor Charecteristic App Four in One 4 METER JED	per pc.		
60	Semiconductor Diode Characteristic App 4 METER JED	per pc.		
61	Digital Logic Gate 5 Gates	per pc.		
62	Helical Spring / Slinky	per pc.		
63	PAN with Hanger S S	per pc.		
64	Iron Stand 8"x5"x24"x10mm Heavy BLUE "ROYAL"	per pc.		
65	BOSS HEAD WHITE "VICTOR"	per pc.		
66	Retort Ring Sup Quality 3" "VICTOR"	per pc.		
67	Universal Clamp "VICTOR SCI"	per pc.		
68	Lead Shots Pkt	per pc.		
69	Manganine Wire Coil	per pc.		
70	Eureka Wire Coil	per pc.		
71	Nichrome Wire Coil	per pc.		
72	Watch Glass 1st Quality 3"	per pc.		

**Rs.**  
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**Name:**  
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# JAWAHAR NAVODAYA VIDYALAYA REWAR, NAWADA

(TENDER FORM 2018-19)

## LAB EQUIPMENTS (CHEMISTRY)

Sl.No.	Particulars	UNIT	Rate (including all taxes)	
			In fig.	In words
1	Asbestos Pad framed	per pc.		
2	Burette 50 ml Glass Borosilicate St Bore	per pc.		
3	Burette Clamp "VICTOR SCI"	per pc.		
4	Cork Pressure	per pc.		
5	China Dish (Basin) 3"	per pc.		
6	Conical Funnel 3" Borosilicate Glass	per pc.		
7	Conical Flask 150 ml Borosilicate	per pc.		
8	Conical Flask 250 ml Borosilicate	per pc.		
9	Conical Flask 500 ml Borosilicate	per pc.		
10	Cork Borer (Brass C. P) Standard Set of 6	per pc.		
11	Crucible Tongs Black Steel 6"	per pc.		
12	Dropper 6"	per pc.		
13	Filter Paper Test lab Sup Quality	per pc.		
14	Gas Jar 6" x 2" Glass	per pc.		
15	Glass Rod / Tube 4 - 8 mm (2.5 Kg Bundle)	per pc.		
16	Ignition Tube Gross	per pc.		
17	Kipp's Apparatus P P 500 ml	per pc.		
18	Leibig Condensor Borosilicate Glass	per pc.		
19	Measuring / Volumetric Flask 250 ML Glass	per pc.		
20	Mortar & Pestle (Porcelain) 4"	per pc.		
21	Platinum Loop EKI	per pc.		
22	Pipette Volumetric 10ml Borosilicate	per pc.		
23	Pipette Volumetric 20ml Borosilicate	per pc.		
24	Pipette Volumetric 25ml Borosilicate	per pc.		
25	P <sub>H</sub> Paper	per pc.		
26	Reagent Bottle Glass 250 ml N / M	per pc.		
27	Reagent Bottle Glass 250 ml W / M	per pc.		
28	Iron Stand 8"x5"x24"x10mm Heavy BLUE "ROYAL"	per pc.		
29	Spatula 6" S S	per pc.		
30	Sprit Lamp Brass	per pc.		
31	Test tube 5x5/8 Borosilicate	per pc.		
32	Test tube 6 x 1 Borosilicate	per pc.		

33	Test tube Holder Brass	per pc.		
34	Test tube stand 6 Holes & 6 Pegs P P	per pc.		
35	Thermometer 110 C, 220 F, 80 R	per pc.		
36	Thermometer Precision	per pc.		
37	Thermometer Digital 300 <sup>o</sup> C Imported	per pc.		
38	Test Tube Brush	per pc.		
39	Thistle Funnel Sup Borosilicate Glass	per pc.		
40	Triangular file J K File 6"	per pc.		
41	Tripod Stand Sup Q 7" x 4"	per pc.		
42	Wash Bottle LDPE 250 ml	per pc.		
43	Watch Glass 1st Quality 3"	per pc.		
44	Water Bath Copper Sup Quality 5"	per pc.		
45	Wire Gauge framed Superior	per pc.		
46	Wolf Bottle 250 ML	per pc.		
47	Portrait Scientist Chemistry	per pc.		
48	Litmus Red & Blue	per pc.		
49	Starch Iodide Paper pkt	per pc.		
50	Separating Funnel PP	per pc.		
51	Gas Pipe Fittings WITH BUNSEN BURNER	per pc.		
52	Fire Extinguisher 6 Kg	per pc.		
53	Formaldehyde (NICE)	500 ml		
54	Benzene (NICE)	500 ml		
55	Aniline (NICE)	500 ml		
56	Acetaldehyde(NICE)	500 ml		
57	Acetone(NICE)	500 ml		
58	Silver Nitrate(NICE)	500 ml		
59	Barium Chloride(NICE)	500 ml		
60	Sodium Nitropruside(NICE)	500 ml		
61	Ammonium Phospho Molydate (NICE)	500 ml		
62	Dimethyl Glyoxime (NICE)	500 ml		
63	Sodium Hydrogen Phosphate (NICE)	500 ml		
64	Nessler's Reagent (NICE)	500 ml		
65	Sodium Nitrate (NICE)	500 ml		
66	Magnesium Carbonate (NICE)	500 ml		
67	Calcium Oxide (NICE)	500 ml		
68	Formic Acid (NICE)	500 ml		
69	Nitrobenzene (NICE)	500 ml		
70	Ferrous sulphate (NICE)	500 ml		

71	Barium Hydroxide(NICE)	500 ml		
72	Potassium Iodide (NICE)	500 ml		
73	Lead Nitrate (NICE)	500 ml		
74	Borax (NICE)	500 ml		
75	Charcoal Activated (NICE)	500 ml		
76	2,4 Dinitrophenyl Hydrazine(NICE)	500 ml		
77	Cobalt Nitrate(NICE)	500 ml		
78	Mercuric Iodide(NICE)	500 ml		
79	Pot ferrocyaride (NICE)	500 ml		
80	Ethanoic Acid (NICE)	500 ml		
81	Sulphuric Acid(NICE)	500 ml/2.5 Ltr.		
82	Hydrochloric Acid(NICE)	500 ml/2.5 Ltr.		
83	Nitric Acid(NICE)	500 ml/2.5 Ltr.		
84	Sulphur Powder(NICE)	500 ml		
85	Phenolphthalen (NICE)	500 ml		
86	Methyl orange (NICE)	500 ml		
87	Copper Sulphate (NICE)	500 ml		
88	Fehling solution-A(NICE)	500 ml		
89	Pehling Solution-B(NICE)	500 ml		
90	Schiff's Reagent (NICE)	500 ml		
91	Benedict's solution(NICE)	500 ml		
92	Ammonia Liquor(NICE)	500 ml		
93	Starch(NICE)	500 ml		
94	Sucrose(NICE)	500 ml		
95	Glucose(NICE)	500 ml		
96	Sodium Bicarbonate (NICE)	500 ml		
97	Mohr's Salt(NICE)	500 ml		
98	Potash Alum(NICE)	500 ml		
99	Sodium Chloride(NICE)	500 ml		
100	Zinc Granules(NICE)	500 ml		
101	Copper Turning(NICE)	500 ml		
102	Iron Filling(NICE)	500 ml		
103	Bromine Water ( NICE)	500 ml		
104	Amm-Chloride(NICE)	500 ml		
105	Amm Carborate (NICE)	500 ml		
106	Amumium. Nitrate(NICE)	500 ml		
107	Aluminium Sulphate (NICE)	500 ml		
108	Pot. Sulphate (NICE)	500 ml		

109	Glycerol(NICE)	500 ml		
110	Barium Hydroxide (NICE)	500 ml		

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## (TENDER FORM 2018-19) LAB EQUIPMENTS (BIOLOGY)

Sl.No.	Particulars	UNIT	Rate (including all taxes)	
			In fig.	In words
1	Beaker Glass 100 ML Borosilicate	per pc.		
2	Beaker Glass 150 ML Borosilicate	per pc.		
3	Beaker Glass 250 ML Borosilicate	per pc.		
4	Beaker Glass 500 ML Borosilicate	per pc.		
5	Beaker Glass 1000 ML Borosilicate	per pc.		
6	Bell Jar 9" x 6"	per pc.		
7	MODEL Bones of Frog Articulated in Show Case	per pc.		
8	MODEL Bones of Frog Disarticulated	per pc.		
9	MODEL Bones of Rabbit Articulated in Show Case	per pc.		
10	MODEL Bones of Rabbit Disarticulated	per pc.		
11	Conical Flask 150 ml Borosilicate	per pc.		
12	Conical Flask 250 ml Borosilicate	per pc.		
13	Conical Flask 500 ml Borosilicate	per pc.		
14	Cover Slip Common	per pc.		
15	Balance Digital "K ROY" 320gm	per pc.		
16	Dissection Box Set of 19 Popular King	per pc.		
17	Dropping Bottle T. K. Pattern 60ml	per pc.		
18	Dissection Needle	per pc.		
19	Forceps 4"	per pc.		
20	Forceps 6"	per pc.		
21	Farmer's Potometer Borosilicate	per pc.		
22	Ganong's Light Screen Brass Parts	per pc.		
23	Ganong's Potometer Borosil Glass	per pc.		
24	Haemocytometer German Complete Haemometer German 26	per pc.		
25	Laminated Chart Bot/ Zoology Laminated 50 x 90	per pc.		
26	Measuring Cylinder 25 ML Borosilicate	per pc.		

27	Measuring Cylinder 50 ML Borosilicate	per pc.		
28	Measuring Cylinder 100 ML Borosilicate	per pc.		
29	Measuring Cylinder 250 ML Borosilicate	per pc.		
30	Measuring Cylinder 500 ML Borosilicate	per pc.		
31	Magnifying Glass 3" P P	per pc.		
32	Magnifying Glass 3" S S Frame	per pc.		
33	Microscope Compound Brass Spring Objective OMAX/Olumpus	per pc.		
34	Microscope Dissection Brass Parts Heavy OMEX"/Olumpus	per pc.		
35	Permanent Slide	per pc.		
36	Permanent Slide Human Blood Smear, R.B.C. Paramacium	per pc.		
37	Permanent Slide M. P of Housefly, Cockroach, Mosquito	per pc.		
38	Permanent Slide Mitosis & Meiosis, Hydra Set	per pc.		
39	Permanent Slide Mitosis & Meiosis of Animal	per pc.		
40	Permanent Slide Amoeba	per pc.		
41	Petridish P P 3"	per pc.		
42	Plain Slide	per pc.		
43	Portrait Scientist BIOLOGY	per pc.		
44	Reagent Bottle Glass 125 ml N / M	per pc.		
45	Reagent Bottle Glass 125 ml W / M	per pc.		
46	Reagent Bottle Glass 250 ml N / M	per pc.		
47	Iron Stand 8"x5"x24"x10mm Heavy BLUE "ROYAL"	per pc.		
48	Retort Ring Sup Quality 3" "VICTOR"	per pc.		
49	Universal Clamp "VICTOR"	per pc.		
50	Round Bottom Flask 250ml Borosilicate	per pc.		
51	Round Bottom Flask 500ml Borosilicate	per pc.		
52	Rubber Cork Sup quality No. 06	per pc.		



53	Rubber Cork Sup quality No. 07	per pc.		
54	Rubber Cork Sup quality No. 08	per pc.		
55	Rubber Cork Sup quality No. 09	per pc.		
56	Rubber Cork Sup quality No. 10	per pc.		
57	Rubber Cork Sup quality No. 11	per pc.		
58	Scissor 5"	per pc.		
59	Staining Rack	per pc.		
60	Watch Glass 1st Quality 3"	per pc.		
61	Wire Gauge framed Superior	per pc.		
62	L D F & S T charts	per pc.		
63	MODEL Pегion / Parrot in S C	per pc.		
64	MODEL Sparrow in S C	per pc.		
65	MODEL Rabbit in S C	per pc.		
66	MODEL Crow in S C	per pc.		
67	Model Amoeba, Animal Cell, Dicot Root, Monocot Root, Hydra	per pc.		
68	Model Human Digestive Sys, Respiratory Sys	per pc.		
69	Model Human Ear	per pc.		
70	Model Human Eye	per pc.		
71	Model Human Heart, Brain	per pc.		
72	Model Human Kidney, Lungs, Dicot Stem, Monocot Stem	per pc.		
73	Model Human Skeleton Full Size(Torso)	per pc.		
74	Model Nepenthes, Paramecium, Plant Cell	per pc.		
75	Model Human Torso Large	per pc.		
76	Model Euglena, Bacteria, Tape Worm, Frog LH	per pc.		
77	Model LH Silk worm, Mosquito, Honeybee, butterfly	per pc.		
78	Model Spirogyra, Flower	per pc.		
79	Model Germination of seed	per pc.		
80	Knee Joints Model	per pc.		
81	Hip Joints Model	per pc.		
82	Elbow Joints Model	per pc.		

83	Shoulder Joints Model	per pc.		
84	Foot Joints Model	per pc.		
85	Model Chameleon in Acrylic Case	per pc.		
86	Model Draco in Acrylic Case	per pc.		
87	Model DNA in Acrylic Case	per pc.		
88	Model Spirogyra in Acrylic Case	per pc.		
89	Model Salamander in Acrylic Case	per pc.		
90	Model Analogus Organ in Acrylic Case	per pc.		
91	Model Homologus Organ in Acrylic Case	per pc.		
92	Model Naza	per pc.		
93	Model Matrix	per pc.		
94	Model Pitcher Plant	per pc.		
95	Model Flying Lizard	per pc.		
96	Botany → Collection Set 8" x 5" Algae Collection	per pc.		
97	Botany → Collection Set 8" x 5" Bryophyte Collection	per pc.		
98	Botany → Collection Set 8" x 5" Ferns Collection	per pc.		
99	Botany → Collection Set 8" x 5" Fungi Collection	per pc.		
100	Botany→Collection Set 8"x5" Gymnosperm Collection	per pc.		
101	Botany → Collection Set 8"x 5" Lichen Collection	per pc.		
102	Botany → Collection Set 8"x 5" Mosses Collection	per pc.		
103	Museum Specimen Common Preserved Zoology	per pc.		
104	Museum Specimen Common Preserved Botany	per pc.		
105	Spatula 6" S S	per pc.		
106	Sprit Lamp Brass	per pc.		
107	Test tube 5x5/8 Borosilicate	per pc.		
108	Test tube 6 x 1 Borosilicate	per pc.		
109	Test tube Holder Brass	per pc.		
110	Test tube stand 6 Holes & 6 Pegs P P	per pc.		

111	Tripod Stand Sup Q 7" x 4"	per pc.		
112	Wash Bottle LDPE 250 ml	per pc.		
113	Watch Glass 1st Quality 3"	per pc.		
114	Slide Box P P 50 Slides	per pc.		
115	Slide Box P P 100 Slides	per pc.		
116	Biology Chemicals	per pc.		

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# JAWAHAR NAVODAYA VIDYALAYA REWAR, NAWADA

(TENDER FORM 2018-19)

## LAB EQUIPMENTS (MATHEMATICS)

Sl.	Name of Item	Description	Rate per pc. (including all taxes)	
			In fig.	In Words
1	Model for Demonstrating The Identity $(a+b)^2$	Case-1		
2	Model for Demlnstrating The Identity $(a+b)^2$	Case-2		
3	Model for the determination of the area of a circle by forming a Rectangular with Four Protector	Derivation PI		
4	Variable Quadrangle with Circle Segments	Geometru Kit+4 Protector		
5	Model for Pythagoras Theorem	Junior Pythagoras Theorem		
6	Variable Triangle with Three Protactors	Geometry Kit+3 Protactor		
7	Geo Volume Set (Clear Plastic 10cm,17 pcs.with lid)	Solid Figure Set 10 cm, Trans		
8	Litre Cube(10X10X10cm)	Jug & Beaker		
9	Geo Volume Set (Clear Plastic-5cm,17 pcs.with lid)	Solid Figure Set 5 cm, Trans		
10	Surface Area Models	Volume Relationship Set		
11	Fraction Caliculation	Pattern Block 10 mm(EVA)		
12	Polygon Inscribed in a Circle	Ring of Theorm		
13	Model of Complementary Parallelograms	Parallelograms Kit		
14	Triangle with Elastic Thread& Movabie with Elastic on the Edges	Construction of parabola		
15	Demonstrat a Quadrilateral Circumscribed about a Circle	Cycle Quadrilateral		
16	Angles of Parallels	Geometry Kit		
17	Area of Trapezoid	Mensuration Kit (Part)		
18	<i>Rotation &amp; Function</i>	Pattern Block Student Set & Mirror		

19	<i>Central &amp; Chord Angles of a Circle</i>	Circular Geoboard		
20	<i>Trigonometric Function Calculation Model</i>	Trigonometry		
21	Model of Equal Area, Chords & Angles	Board Magic Circle		
22	<i>Model for proportions in and about a Circle</i>	Ring of Theorem		
23	Geometric Mathematic & Trigonometric Function	Trigonometry Board		
24	Fraction Ring	Magnetic Fraction Disk		
25	Metre Trundle Wheel	Step'N' Court		
26	Printed Fraction Squares	Fraction Square		
27	Set of Solid Bodies	Solid Figure Set of 12		
28	Model with Sections	Conic Section		
29	Model with Sections	Conic Section		
30	Number Balance	Number Planet		

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