

स्वामी विवेकानन्द राजकीय मॉडल स्कूल जैसलमेर

रामगढ़ रोड़ जैसलमेर

ईमेल: svgmsjaisalmer@gmail.com

क्रमांक :- निविदा/2018-19/153

दिनांक :- 31/01/2019

निविदा सूचना संख्या - 01/2018-19

स्वामी विवेकानन्द राजकीय मॉडल स्कूल जैसलमेर में प्रयोगशाला उपकरण की आपूर्ति हेतु पंजीकृत/बोनाफाईड निर्माताओं/आपूर्तिकर्ताओं/डीलर्स से निर्धारित प्रपत्र में सीलबन्द निविदा आमंत्रित की जाती है। इच्छुक निविदादाता निविदा प्राप्ति/खोलने की तिथि से एक दिवस पूर्व किसी भी कार्य दिवस में निर्धारित राशि बैंकर्स चैक/डिमाण्ड ड्राफ्ट द्वारा प्राप्त कर सकते हैं निविदा प्रपत्र <http://sppp.rajasthan.gov.in> पर डाउनलोड की जा सकती है जिसके लिए निविदा प्रपत्र के साथ निविदा राशि का बैंकर्स चैक/डिमाण्ड ड्राफ्ट संलग्न करना होगा। निविदा प्राप्त एवं खोलने की तिथि को निविदाएं 1:00 पीएम बजे तक प्राप्त की जाकर उसी दिवस सायं 3:00 बजे खोली जाएगी।

क्र. सं.	नाम सामग्री	निविदा प्रपत्र की लागत (रूपये में)	निविदा प्राप्ति एवं खोलने की तिथि	कार्य करने की तिथि
1	साईस लैब सामग्री (भौतिक विज्ञान, रसायन विज्ञान, जीव विज्ञान)	500	20.02.2019 को 1:00 PM तक 20.02.2019 को 3 PM	एक माह



प्रधानाचार्य

स्वामी विवेकानन्द राजकीय मॉडल स्कूल
जैसलमेर

क्रमांक :- 153

प्रतिलिपि :-

1. राज्य परियोजना निदेशक, राजस्थान माध्यमिक शिक्षा परिषद, जयपुर।
2. जिला परियोजना समन्वयक समग्र शिक्षा अभियान जैसलमेर।
3. कार्यालय जिला कलक्टर जैसलमेर सूचना बोर्ड।
4. नोटिस बोर्ड कार्यालय हाजा।
5. रक्षित पत्रावली

दिनांक :- 31/01/2019



प्रधानाचार्य

स्वामी विवेकानन्द राजकीय मॉडल स्कूल
जैसलमेर

DECLARATION by the Bidder (To be filled by the Bidder) on Non judicial Rs.100 stamp paper

To,

{Procuring entity},

In response to the NIB Ref. No.----- dated-----for

{Project Title}, as an Owner/ Partner/ Director/ Auth. Sign. Of

-----I/ We hereby declare that presently our
Company/ firm----- at the time of bidding, -

- a) Possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
- b) have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
- c) is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central government/ PSU/ UT.
- d) Does not have any previous transgressions with any entity in India or any other country during the last three years
- e) Does not have any debarment by any other procuring entity
- f) is not insolvent in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and is not the subject of legal proceedings for any of the foregoing reasons;
- g) does not have, and our directors and officers not have been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
- h) does not have a conflict of interest as mentioned in the bidding document which materially affects the fair competition.
- i) will comply with the code of integrity as specified in the bidding document.
- j) is not black listed/debarred in participating in any procurement process.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken as per the provisions of the applicable Act and Rules, my/ our security may be forfeited in full and our bid, to the extent accepted, may be cancelled.

Thanking you,

Name of the Bidder: -

Authorised Signatory: -

Seal of the Organization:

Date:

Place:

Annexure A : Compliance with the Code of Integrity and No Conflict of Interest

Any person participating in a procurement process shall -

- (a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- (d) not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) not obstruct any investigation or audit of a procurement process;
- (g) disclose conflict of interest, if any; and
- (h) disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:-

The Bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

- i. A Bidder may be considered to be in Conflict of Interest with one or more parties in a bidding process if, including but not limited to:
 - a. have controlling partners/ shareholders in common; or
 - b. receive or have received any direct or indirect subsidy from any of them; or
 - c. have the same legal representative for purposes of the Bid; or
 - d. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
 - e. the Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
 - f. the Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
 - g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/ consultant for the contract.

Doc1

4

Annexure B : Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted to for procurement of in response to their Notice Inviting Bids No..... Dated..... I/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date:
Place:

Signature of bidder
Name :
Designation:
Address:

Doc1



Annexure C : Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is _____

The designation and address of the Second Appellate Authority is _____

(1) Filing an appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued thereunder, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

- (2) The officer to whom an appeal is filed under para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.
- (3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) determination of need of procurement;
- (b) provisions limiting participation of Bidders in the Bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) applicability of the provisions of confidentiality.

(5) Form of Appeal

- (a) An appeal under para (1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.

Doc1

4

(c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorised representative.

(6) Fee for filing appeal

(a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.

(b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of appeal

(a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.

(b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-

(i) hear all the parties to appeal present before him; and

(ii) peruse or inspect documents, relevant records or copies thereof relating to the matter.

(c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.

(d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

Doc1



FORM No. 1
[See rule 83]

**Memorandum of Appeal under the Rajasthan Transparency in Public Procurement
Act, 2012**

Appeal Noof

Before the (First / Second Appellate Authority)

1. Particulars of appellant:

(i) Name of the appellant:

(ii) Official address, if any:

(iii) Residential address:

2. Name and address of the respondent(s):

(i)

(ii)

(iii)

**3. Number and date of the order appealed against
and name and designation of the officer / authority
who passed the order (enclose copy), or a
statement of a decision, action or omission of
the Procuring Entity in contravention to the provisions
of the Act by which the appellant is aggrieved:**

**4. If the Appellant proposes to be represented
by a representative, the name and postal address
of the representative:**

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal:

.....
.....
..... (Supported by an
affidavit)

7. Prayer:

.....
.....
.....

Place

Date

Appellant's Signature

Annexure D : Additional Conditions of Contract

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

(i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.

(ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.

(iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

11

3. Dividing quantities among more than one Bidder at the time of award (In case of procurement of Goods)

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

Doc1

4

बिडर द्वारा घोषणा

मैं/हम धोषणा करता हूँ/करते है कि मैने/हमने.जिन मालो/स्टोर्स/उपकरणो के लिए निविदा दी है,उनका/उनके मै/हम बोनाफाईड विनिर्माता हूँ/है। तथा राजस्थान में स्थित उद्योग विभाग से एमएसइएमई एक्ट 2006 के अन्तर्गत पंजीकृत हूँ/है।

यदि यह धोषणा असत्य पायी जाए तो किसी भी अन्य कारवाई जो की जा सकती है, पर प्रतिकूल प्रभाव डाले बिना मेरी/हमारी प्रतिभूति को पूर्ण रूप से समपहत कर लिया जाएगा तथा निविदा को,जिस सीमा तक उसे स्वीकार किया गया है, रद्द किया जावेगा।

बिडर के हस्ताक्षर

Final

B-1

BIOLOGY LAB ARTICLES FOR SWAMI VIVEKANAND GOVT. MODEL SCHOOL (A) NON-CONSUMABLE ITEMS					
S.No	Name of Items	Specification	Average quality Tentative rate as per market Per Unit rate (Rs.)	Quantity	total cost in Rs.
1	Junior medical compound Microscope	ISI mark, Metal body, size height 320mm, Base 125mmx200mm. Achromatic good quality lenses, Two objective (10x and 45x) Two eye pieces (10x and 15x) one eye pieces with indicator	5400	5	27000
2	dissecting Microscope	ISI mark metal body 2 eye pieces (10x and 15x)	1750	4	7000
3	Forcep (Large)	Stainless still size 200mm (20cm)	50	4	200
4	Forcep (Small)	Stainless steel size 100mm (10cm)	25	2	50
5	Scissor (Small)	Size 4" s. Steel	50	5	250
6	Scissor (Large)	Size 6" ss., One Prolonged blunt and other printed, standard stainless steel	110	4	440
7	Test tube Holder	200mm to hold the test tubes up to 10mm diameter with wooden handle	50	25	1250

(2)

S.No	Name of Items	Specification	Average quality Tentative rate as per market Per Unit rate (Rs.)	Quantity	total coast in Rs.
8	Test tube stand	with 6 vertical pins, 2 holes 25mm, 4 holes 16mm. PVC	40	25	1000
9	Test tube brush	Soft PVC Bristle with standard size	10	25	250
10	Stop watch	Normal metal body can count minutes internal	400	1	400
11	Nedle with plastic Handle	Standard, length 110mm with plastic handle	6	10	60
12	Dissecting brush	1 Number size with fine hairs	6	10	60
13	Arc Auxanometers	Not require specification	980	1	980
14	Staining rack	Wooden, can hold 8/10 dropping bottles	200	25	5000
15	Tripod stand	Cast Iron Tap Triangular Three Balanced Screwed Legs LxD=20x12.5cm.	80	5	400
16	Wire mess	Square shape 10x10cm	50	10	500
17	Water bath Rectangular (Electric)	Thermostatically Controlled- Double walled stainless steel. The temperature controlled up to 100° C with two indicator, on/off switch 355x405x100mm-12 holes of 75 mm die	4500	1	4500
18	Sphygmomanometer	B.P. instrument with ISO mark	2000	1	2000
19	Stethoscope	Standard size ISO mark	400	1	400
20	Dissecting tray	Size 10"x12" with white wax	200	2	400
21	Electronic Balance digital	Capacity 200/300gm accuracy .1gm	5000	1	5000

9

BIOLOGY LAB ARTICLES

For Swami Vivekanand Govt. Model School

(B) Non Consumable Items

Sr. No.	Items	Specification	Average Quality Tentative rate as par market Per Unit rate (Rs.)	Quantity	Total coast in Rs.
1	Test tube	Thick Walled Thermal Shock Resistance, with rim O.D.×= 15×125mm. Borosilicate glass	10	145	1450
2	Watch Glass	Soda glass size 3"	10	60	600
3	Petridis	Soda glass size 3"	20	40	800
4	Slides Plane	Soda glass standard size 75 mm×25mm×1mm thick	60 Per Pkt.	5 Pkt.	300
5	Watch Glass	Soda glass size 4"	10	60	600
6	Cavity Slides	Soda glass, standard size	12	10	120
7	Cover Slips	Soda glass microscopic cover glass 18mm. square shape	5	30	150
8	Petri Dish	Soda glass size 4"	25	40	1000
9	Beaker	with Spout Low Form Approx O.D.× height 83×115 mm., 500 ml, Borosilicate Glass	40	30	1200
10	Beaker	with Spout Low Form Approx O.D.× height 70×95 mm. Borosilicate Glass, 250 ml	45	30	1350
11	Measuring Cylinder	Graduated with Single Metric Scale, with pour Out Graduation Interval 5 ml. 500 ml. PVC	200	10	2000
12	Measuring Cylinder	Graduated with Single Metric Scale, with pour Out Graduation Interval 5 ml. 100 ml. PVC	100	2	200
13	Conical Flask	With Rim O.D.× H= 85×140 mm., Neck O.D. = 34 mm. Borosilicate Glass, 250 ml	80	5	400
14	Funnel	75mm size Diameter 25, 60 degree Angle with Stem, PVC	15	30	450
15	Ganong Potometer	Standard size, Borosilicate glass	300	2	600
16	Respirometer	Standard size, Borosilicate glass	400	1	400

B-4

17	Bell Jar (Medium size)	Soda glass, size, 20"x10"	300	1	300
18	Specimen Jar Empty	Plastic body size 250 ml	30	10	300
19	Dropping bottle glass	Soda glass capacity 60ml	30	50	1500
20	wash bottle Plastic	high- density , cap with flexible tube, 500 ML.	44	20	880
21	Dropper plastic	Low density poly ethylene (LDPE) capacity 0.3ml size 3"	2	25	50
22	Dedicator	Poly ethylene, plain , size 300mm	1500	1 PC	1500
23	Thermometer Clinical	Digital, Doctor	230	1	230
24	Thermometer	Normal, size 30 cm. 0-100	175	4	700
25	Funnel PVC	Diameter 25, 60 degree Angle with Stem PVC	15	12	180
26	Sprit Lamp	Aluminum Body, capacity 100ml. With Wick	50	6	300

9

5

B-5

BIOLOGY LAB ARTICLES

For Swami Vivekanand Govt. Model School
(c) Non Consumable - Slides

Sr. No	Items	Specification	Average Quality Tentative rate as per market Per Unit rate (Rs.)	Quantity	Total coast in Rs.
1	Testis (Mammal) T.S.	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
2	Ovary (Mammal) T.S.	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
3	Liver (Mammal) T.S.	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
4	Blastula T.S.	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
5	Skeletal Muscles	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
6	Cardiac Muscles	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25

BIOLOGY LAB ARTICLES

Page 5

4

6

7	Unstrained Muscles	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
8	T.S. of Bone (Mammal)	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
9	T.S. of Cartilage (Mammal)	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
10	Epithelium Tissue	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
11	Nervous Tissue	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
12	Cell Division mitosis set	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	250	1	250
13	Cell Division mitosis set	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	350	1	350
14	Entamoebahistolitica	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25



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15	Plasmodium W.M.	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
16	Sperozoite Plasmodium	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
17	Trophozoite Plasmodium	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
18	Hydra W.M.	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
19	Spirogyra W.M	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
20	Ulothrix W.M.	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
21	Funeria	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
22	T.S. of Monocot Leaf	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25

9

8

B 8

23	T.S. of Dicot Leaf	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
24	T.S. of Monocot Stem	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
25	T.S. of Dicot Stem	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
26	T.S. of Monocot Root	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
27	T.S. of Dicot Root	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25
28	T.S. of Monocost Root	Permanent slides on standard glass (Size 75mmx25mmx1mm thick) with specify material fixed with Canada Balsam	25	1	25

4

(9)

B-9

BIOLOGY LAB ARTICLES FOR SWAMI VIVEKANAND GOVT. MODEL SCHOOL (D) NON-CONSUMABLE ITEMS Models					
S.No	Name of Items	Specification	Average quality Tentative rate as par market Per Unit rate (Rs.)	Quantit y	total coast in Rs.
1	AMOEBA	Made up of POP (Plaster of Paris) Affixed on wooden board size 15'x12"	360	1	360
2	Dissected frog Anatomy	Made up of POP (Plaster of Paris) Affixed on wooden board size 15'x12"	550	1	550
3	Eye	Made up of POP (Plaster of Paris) Affixed on wooden board size 15'x12"	360	1	360
4	Ear	Made up of POP (Plaster of Paris) Affixed on wooden board size 15'x12"	360	1	360
5	Brain L.S.	Made up of POP (Plaster of Paris) Affixed on wooden board size 15'x12"	360	1	360
6	Human Skelton	Made up of fiber glasses joined with wire. Height 5 feet (Large with transparent Box)	1850	1	1850



Biology Lab Article**(E) Non Consumable - Charts**

1	Hemophilia Pedigree analysis	Each chart should made up of water proof raxine, size 75cmx100cm approx	250	1 PC	250
2	Colour blindness pedigree analysis	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
3	Excretory system of Human	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
4	Respiratory System of Human	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
5	Circulatory System of Human	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
6	Reproductive System of Human (Male)	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
7	Reproductive System of Human (Female)	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
8	Endocrine System of Human	Each chart should made up of water proof raxine, size 75cmx100cm approx.	200-250	1 PC	250
9	Animal Tissues	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
10	Plants Tissues	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
11	Monocot Leaf	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250

11

13-17

12	Dicot Leaf	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
13	Monocot Stem	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
14	Dicot Stem	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
15	Monocot Root	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
16	Dicot Root	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
17	Digestive system of Human	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250
18	Life cycle of Angiosperm Plants	Each chart should made up of water proof raxine, size 75cmx100cm approx.	250	1 PC	250

4

13-12

F Specimen

Sr. No.	Items Specimen	Specification	Average Quality Tentative rate as per market Per Unit rate (Rs.)	Quantity	Total coast in Rs.
1	Sicyon	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"s	150	1	150
2	Tape-Worm	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
3	Liver-Fluke	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
4	Ascaris Male	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
5	Ascaris Female	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
6	Earthworm	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
7	Leech	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
8	Scorpion	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
9	Silk-worm life cycle	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150

10	Cancer	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
11	Centipede	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
12	Pila	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
13	Unio	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
14	Octopus	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
15	Star-Fish	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
16	Labeo	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
17	Scoliodon	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
18	RanaTigrina	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
19	Hyla	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
20	Draco	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
21	Bat	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150

4

(14)

13-14

22	Hydrilla	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
23	Valisnaria	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
24	Cycas Male & Female Cone	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
25	Pinus Male & Female Cone	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150
26	Fern (Pteridium)	Each specimen preserved in formalin kept in a plastic jar size height 9" to 10" diameter 3"	150	1	150

Gr. T. 1000
of 1000 - Consumable 12/19/00

4

(15)

12/15

Consumable Items

1	Monocot Leaf	Fresh material kept in glass bottle size 500ml	150	1	150
2	Dicot Leaf	Fresh material kept in glass bottle size 500ml	150	1	150
3	Monocot Leaf	Fresh material kept in glass bottle size 500ml	150	1	150
4	Dicot Leaf	Fresh material kept in glass bottle size 500ml	150	1	150
5	Monocot Leaf	Fresh material kept in glass bottle size 500ml	150	1	150
6	Dicot Leaf	Fresh material kept in glass bottle size 500ml	150	1	150
7	Filter paper	Ordinary circular of diameter 10mm Ordinary	120 circles	120 circles	120
8	pH Paper	Wide range, excellent quality	300	1 Pkt	300
1	Saffranine	ISO mark Laboratory reagent	600	500 ml	600
2	Eosin	ISO mark Laboratory reagent	600	500 ml	600
3	Glycerin	ISO mark Laboratory reagent	1100	1000 ml	1100
4	Methyl Blue	ISO mark Laboratory reagent	500	250 ml	500
5	Fast Green	ISO mark Laboratory reagent	500	250 ml	500
6	Xylene	ISO mark Laboratory reagent	4500	500 ml	500
7	Formaline	Chemical ISO Mark	350	500 ml	350

4

16

1816

8	Chloroform	Chemical ISO Mark	500	500 ml	500
9	Acetocormine	Chemical ISO Mark	250	250 ml	250
10	Bendict Solution	Chemical ISO Mark	300	500 ml	300
11	Felling solution A	Chemical ISO Mark	500	500 ml	500
12	Feeling Solution B	Chemical ISO Mark	500	500 ml	500
13	Pottassium Hydroxide	Chemical ISO Mark	300	250 gm	300
14	Sodium Hydroxide	Chemical ISO Mark	300	500 gm	300
15	Sudan IV	Chemical ISO Mark	450	50 gm	450
16	Picric Acid	Chemical ISO Mark	500	250 ml	500
17	Ethyl Alochol	Chemical ISO Mark	450	500 ml	450
18	Canada Balssom	Chemical ISO Mark	600	250 gm	600
19	Starch Powder	ISO Mark	900	500 gm	900
20	Sucrose	Chemical ISO Mark	200	500 gm	200
21	cobalt chloride	Chemical ISO Mark	700	100gm	700
22	Iodine solution	Chemical ISO Mark	200	250ml	200
23	Borric Acid	Chemical ISO Mark	300	500 gm	300
24	pottassium Chloride	Chemical ISO Mark	500	500 gm	500
25	Blood Testing kit	ISO Mark	1000	1Pc	1000
26	Sprit	Specification not required	120	1 ltr	120

9

BIOLOGY LAB ARTICLES

For Swami Vivekanand Govt. Model School

(F) Permanent Item

Sr. No.	Items Specimen	Specification	Average Quality Tentative rate as per market Per Unit rate (Rs.)	Quantity	Total coast in Rs.
1	Almirah Steel With Glass Dor	As per in RCSE furniture specification Size W×D×H 916×486×1980 mm.	9000	4	36000
2	Steel Almirah	As per in RCSE furniture specification Size W×D×H 916×486×1980 mm.	8000	2	16000
3	Teacher Table (with steel rack)	As per in RCSE furniture specification 3×2.25×2.50	4000	1	4000
4	Demonstration Table (without rack)	As per in RCSE furniture library table specification T Size 2300×1100×750 25 mm. Board, Iron Frame 38×38×1.5 Tube	7200	4	28800
5	Student stool 2 feet height	As per in RCSE furniture specification W×D×H 420×420×600 MDF TOP	900	40	36000
6	Teacher chair	As per in RCSE furniture specification 38×39 Back 38×42	1000	1	1000



		Seat			
7	Green Board	8'x4' feet Surface Thickness .3-.4mm	8000	1	8000
8	Display Board (wooden & Ply)	Made of wooden and ply size 6'x4	4000	1	4000

here :-

1. Botanical garden is necessary.
2. Light connection with Switch in between two student seats.
3. Pipe fitting for sink.
4. Water Drainage.
5. MCB should be separate for Laboratory.


17/1

Non Consum. ble items Chemistry Specification and Estimated Coast

S.No.	Name of Items	Mesurement/ Capacity	Specification	No. of items	Tentative rate as per market Per Unit rate (Rs.)	Total coast in Rs.	Remark
1	Beaker	100 ml	with Spout Low Form Approx O.D. x H = 50x70 mm. Borosilicate Glass	20	100	2000	
2	Beaker	250 ml	with Spout Low Form Approx O.D. x height 70x95 mm. Borosilicate Glass	20	45	900	
3	Beaker	500 ml	with Spout Low Form Approx O.D. x height 83x115 mm. Borosilicate Glass	20	40	800	
4	Flask Conical	250 ml. NM	with Rim O.D. x H = 85x140 mm, Neck O.D. = 34 mm. Borosilicate Glass	20	80	1600	
5	Flask Conical	500 ml. NM	with Rim O.D. x H = 105x185 mm, Neck O.D. = 38 mm. Borosilicate Glass	20	130	2600	
6	Flask Flat Bottom	500 ml.	O.D. x H = 105x165 mm, Neck = 38 mm. Borosilicate Glass	20	150	3000	
7	Dropper	10 ml	With Rubber Teat, 70 mm.	20	12	240	
8	Glass Rod	-	For Stirring, Both End Flat D. 7 x 1 mm L. 25 CM.	20	40	800	
9	Platinum Wire	35 x 0.2 mm.	Fused in glass Rod And fitted 1 Test Tube	20	200	4000	
10	Wire Gage	15x15 cm	Sieve fitted in Asbestos 15x15 cm.	20	20	400	
11	Crucible Tong	-	Stainless Steel 20 cm.	20	50	1000	
12	Universal Clamp	-	Die Pressed, Felt Lined, Can Hold Up to 50 mm. Chrome Plated Iron	20	70	1400	
13	Boss Heads	-	Aluminium / Cast Iron To Hold 12 mm Dia	20	50	1000	
14	Tripod Stand	-	Cast Iron Trip Triangular Three Balanced Screwed Legs L x D = 20 x 12.5 cm	20	80	1600	

6

15	Glass Dish	100 ml	Dia=75 mm, Cap= 100 ml, Pyrex glass	20	35	900	
16	Burner	Tecla	Chrome Plated Brass With Regulator Cone H= 160 mm With Stopcock	20	400	8000	
17	Pipettes	25 ml	Transfer, Volumetric, Class A Accuracy Tolerance 0.050 ml, Borosilicate Glass	24	300	7200	
18	Burette	50 ml	Straight Bore Stopcock, Used For Titration, Alpha Numeric Scale Number Graduation Interval ml. 0.1 Tolerance 0.05 ml, Borosilicate Glass	24	600	14400	
19	Test Tubes	55ml	Thick Walled Thermal Shock Resistance, within O.D. = 25x150 Borosilicate Glass	24	18	432	
20	Test Tubes	13 ml	Thick Walled Thermal Shock Resistance, within O.D. = 15x125mm, Borosilicate glass	150	10	1500	
21	Test Tubes	7 ml	Thick Walled Thermal Shock Resistance, within O.D. = 12x100mm, Borosilicate glass	100	7	700	
22	Funnel	25 ml	Diameter 25, 60 degree Angle with Stem PVC	24	15	360	
23	Funnel	100 ml	Diameter 100 mm, 60 degree Angle with Stem PVC	4	50	200	
24	Test Tube Holder	-	Wooden Handle, Brass Strip	24	30	720	
25	Test Tube Stand	-	with 6 verticle pins, 2 holes 25mm, 4 holes 16mm PVC	24	40	960	
26	Spotula	-	Stainless Steel LxB= 15x2 cm.	24	20	480	
27	Spirit Lamp	-	Brass 100 - 125 ml With out Wick	24	100	2400	
28	Wash bottles	500 ml	high density, cap with flexible tube, 500 ML PVC	24	44	1056	
29	Reagent Bottle	125 ml	Plain narrow Mouth Graduated with Flat, Hard Stopper, O.D. = 55x120 mm, Neck 19/26 Borosilicate glass	50	180	9000	



C-3

30	Reagent Bottle	250 ml.	Plain Narrow Mouth Graduated with Flat Had Stopper, O.D. x H=70 x 145 MM, Neck 19/26 Borosilicat glass	50	225	11250	
31	Reagent Bottle	500 ml.	Plain Narrow Mouth Graduated with Flat Had Stopper, O.D. x H=86 x 177 MM, Neck 19/26 Borosilicat glass	50	275	13750	
32	Reagent Bottle	250 ml.	Plain Wide Mouth Graduated with Flat Had Stopper, O.D. x H=70 x 145 MM, Neck 19/26 Borosilicat glass	50	315	15750	
33	Reagent Bottle	500 ml.	Plain Narrow Mouth Graduated with Flat Had Stopper, O.D. x H=86 x 177 MM, Neck 19/26 Borosilicat glass	50	430	21500	
34	Dropping Bottles	125 ml.	Fitted with Ground in interchangeable Stopper PVC. Torsion	50	150	7500	
35	Glass Tube	6 x 10 mm.	Hard Glass assorted Pack 5 KG.	5 kg.	725	725	
36	Fusion Tube	6 x 10 mm.	Ordinary Glass 5 Gross pack	5 gross	250	250	
37	Centrifuge Machine	Four T.T.	Hand Driven Iron	2	995	1990	
38	Centrifuge Machine	Four T.T.	Electrical Operated Four Test Tubes, Swing Out Head x 15 mm. steel Cask	1	4000	4000	In absence of Electric Supply
39	Filter Paper	Sheet	Sheet Size 45 x 60 CM. Pack Of 500 Sheets	500 Sheets	1750	1750	
40	Filter Paper	Circle	Dia= 3-5 cm. Pack Of 100 Circles	100 Circles	100	100	
41	Water Bath	-	Copper, Round Tube Ø = 15 cm. With Accentric rings	5	400	2000	
42	Cork Borer	-	Brass Chrome Plated Set 5.6 German Pattern Heavy	1	400	400	
43	Pastel and Mortars	15 cm.	Out Side Glazed, 15 cm. Porcelain	1	240	240	
44	Pastel and Mortars	20 cm.	Out Side Glazed, 20 cm. Porcelain	1	540	540	
45	Weighing Machine	1KG	Digital, Scale 0.001 gm	1	5000	5000	

9

46	Cylinder	500 ml.	Graduated with Single Metric Scale, with pour Out Graduation Interval 5 ml. Borosilicat glass	2	1500	2500	
47	Cylinder	1000 ml.	Graduated with Single Metric Scale, with pour Out Graduation Interval 10 ml. Borosilicat glass	2	1600	3200	
48	Condenser	500 ml.	Liebig With Scaled Inner Tube For Distillation H=550 mm. Borosilicat glass	2	360	720	
49	Seprating Funnel	1000 ml.	PTFE Key Stopcock InterChangeble Stopper, Globe Plain Stem PVC	1	600	600	
50	Gas Generator	1 Liter	Kipp's Extractor length 1000 mm. PVC / PTFE	1	2000	2000	
51	Thermometer	30 cm. Long	0-100°C, Division 1/1 Glass	5	175	875	
52	Thermometer	30 cm. Long	0-200°C, Division 1/1 Glass	5	175	875	
53	Thermometer	30 cm. Long	0-360°C, Division 2/1 Glass	5	175	875	
54	Thermometer Indus.	Max- Min	Max And Min, Zeal Type Metal Frame	1	250	250	
55	Pipette Stand	PVC	12 pipette 6 in each side horizontal position, PVC	4	670	1480	

NOTE: 1. (A) C.D. = Outer Diameter, (H) = Height, (L) = Length, (E) N.B. = Narrow Mouth, (E) W.B. = Wide Mouth, (E) T.T. = Test Tube
 (S) P.V.C. = Poly Vinyl Chloride, (E) P.T.F.E. = Poly Tetra Fluoro Ethylene

NOTE: 2. (A) Articles Of Sale No. 3, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 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2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091,

CHEMISTRY LAB ARTICLES
For Swami Vivekanand Govt. Model School
Permanent Item

25

Sr. No.	Items Specimen	Specification	Tentative rate as per market per unit rate (Rs.)	Quantity	Total coast in Rs.
1	Almirah Steel with glass Dor	As per in RCSE furniture specification size WxDXH 916x486x1980mm	9000	4	36000
2	Steel Almirah	As per in RCSE furniture specification size WxDXH 916x486x1980mm	8000	2	16000
3	Teacher Table (with steel rack)	As per in RCSE furniture specification 3x2.25x2.50	4000	1	4000
4	Demonstration Table (Without rack)	As per in RCSE furniture library table specification T Size 2300x1100x750 25mm Board, Iron Fram 38x38x1.5 Tube	7200	4	28800
5	Teacher chair	As per in RCSE furniture specification 38x39x Back 38x42 Seat	10000	1	1000
6	Green Board	8'x4' feet Surface thickness 3.4 mm.	8000	1	8000
7	Display Board (Wooden & Ply)	Made of wooden and ply size 6'x4'	4000	1	4000

CHEMISTRY LAB ARTICLES
For Swami Vivekanand Govt. Model School
Permanent Item

r. No.	Items Specimen	Specification	Tentative rate as per market per unit rate (Rs.)	Quantity	Total coast in Rs.
1	Almirah Steel with glass Dor	As per in RCSE furniture specification size WxDXH 916x486x1980mm	9000	4	36000
2	Steel Almirah	As per in RCSE furniture specification size WxDXH 916x486x1980mm	8000	2	16000
3	Teacher Table (with steel rack)	As per in RCSE furniture specification 3x2.25x2.50	4000	1	4000
4	Demonstration Table (Without rack)	As per in RCSE furniture library table specification T Size 2300x1100x750 25mm Board, Iron Fram 38x38x1.5 Tube	7200	4	28800
5	Teacher chair	As per in RCSE furniture specification 38x39x Back 38x42 Seat	10000	1	1000
6	Green Board	8'x4' feet Surface thickness 3.4 mm.	8000	1	8000
7	Display Board (Wooden & Ply)	Made of wooden and ply size 6'x4'	4000	1	4000

Physics Lab
Non consumable

Final

P-1

sr.	Particulars	Specifications	quantity	Tentive rates as per market per unit rate	Total cost	Remark
1	Vernier callipers	with wheel Motion, 125 mm and 5 inch, with depth gauge Stainless Steel, Polished	6	84	504	
2	Screw gauge	10x1 mm or 15x1 mm with stainless steel Rod Brass Body	6	196	1176	
3	Spherometer	1 mm Pitch, s steel Legs & screw (Econometal)	6	260	1560	
4	DCC Wire	Dual Output 0-12 Volts, 3 Amps, workable on 220 Vits. Copper wire with removeable white thread	1	1000	1000	
5	Resistance Wire (Eureka)	Resistance Wire SWG - 22, Manganin Wire, 100gm	1	1100	1100	
6	Resistance Wire constantan	Resistance Wire 24 SWG, for Metro Bridges and Potentiometer Reel of 100 gm	1	1100	1100	
7	Resistance Wire Manganin	SWG-24, Manganin Wire, 100gm.	1	1100	1100	
8	Copper Calorimeter (Cylinder)	Calorimeter with copper vessel, 65x90mm(300ml) Having thermometer holder brass, N.P. with copper stirrer	2	50	100	
9	Drawing Boards	Drawing Board (soft) 450x300mm or 12"x18"	10	65	650	
10	Drawing Pin	stainless steel with thumb cap	2	50	100	
11	Pendulum Bob	Pendulum bobs Brass, 18mm Spheres, With Brass hook	2	50	100	
12	Stop Clock	Stop clock Smith type, Mechanical	2	600	1200	
13	Stop Watch	Stop Watch Digital, Least Count 0.01 Second	2	850	1700	
14	Thermometer 110C	Thermometer 10 to 110 Deg.Cx 1 Mercury filled glass	2	100	200	
15	Thermometer 360C	Thermometer 10 to 110 Deg.Cx 1 Mercury filled glass	2	100	200	
16	Thermometer Room TEMP	Thermometer 10 to 110 Deg.Cx 1 Mercury filled glass	1	100	100	
17	Thermometer Maximum Minimum	Thermometer, Max & Min, Zeal type, Metal frame	1	250	250	
18	Sonometer	Complete with metal fitting with stand Wooden base & with 1/2 kg wt sets simple wooden	2	1000	2000	
19	Meter scale	Wood, both side centimeters, half metre long.	4	50	200	
20	Meter Bridge	Base Commercial wooden Board, 2 gap type, L Shape with pencil jockey, Summicol base	5	1000	5000	

9

21	Potentiometer	10 wire (10 metre) with Pencil jockey/metallic jockey. Simple wooden Board copper strips with bakelite Terminals	4	1200	4800	
22	Resonance Apparatus	Resonance Apparatus Complete with Stainless Steel Pipe 25mm & Reservoir Brass N.P.	2	1600	3200	
23	Set of Tuning Fork	different frequencies sets Aluminium bright Chromium plated set 8, in velvet case Superior quality. (80mm- 120mm)	1	850	850	
24	Rubber Pad	Rubber Pad for Striking Tuning Fork	5	40	200	
25	Stand With Clamp	stand with Iron Base 200x125mm, Iron rod 600mmx12.5mm	4	300	1200	
26	Plug key One Way	Plug key "One way. 1/2" Brass Block	15	80	1200	
27	Plug Key 2 way	Plug key "Two way. 1/2" Brass Block Nickel Plated	10	100	1000	
28	Resistance Box 10000 OHM	Resistance Box, Plug Type "A" grade (Manganin coils).	6	1500	9000	
29	Resistance Box 100 OHM	Resistance Box, Fractional, Plug Type "A" grade (Constantan coils).	6	1250	7500	
30	Resistance Box 0.10- OHM	Resistance Box, Fractional, Plug Type "B" grade (Constantan coils).	4	1000	4000	
31	Rheostat (Assorted)	Rheostat, Single Tube Diameter 43 mm, Current carrying Capacity from 3.3 to 8.0 Amp Resistance varies from 1.5 to 45 ohms. 8" long	10	700	7000	
32	Zinc Rod	Zinc Rod with Brass Terminal, 150x10 mm	20	40	800	
33	Ladlanche Cell	Leclanche cell Charged porous pot complete with rectangular poly. Jar & zinc rod	6	250	1500	
34	Daniel Cell	copper pot with solo porous pot	4	400	1600	
35	Porous Pot Charged	Porous Pot Charged for Leclanche cell	2	170	340	
36	Porous Pot Empty	not required	2	100	200	
37	Cell Box 2 Cell	plastic or wooden set	10	251	2510	
38	Ammeter	DC Moving coil MO-65 complet hard plastic Body Anti Parallel Mirror. With desk stand range 0-5 A	2	340	680	
39	Voltmeter	DC Moving coil MO-65 complet hard plastic Body Anti Parallel Mirror. With desk stand range 0-12 V	2	340	680	
40	Galvanometer	DC Moving coil with rectangular mounted on stand complet hard plastic Body Anti Parallel Mirror. 30-0-30 div.	15	340	5100	
41	Induction Coil	Induction Coil 20 mm Spark, (Insulated copper wire fitted on well polished wooden base with cord & pin)	1	2000	2000	
42	Bar Magnet	Bar Magnet 100x11x 6mm, Alnico alloy, strong, Half Red/Half Blue	10	70	700	

P-2

9

P-3

43	Millimeter	DC with desk stand range 0 to 600 milliamperes as ammeter	2	340	680
44	Optical Bench	metal double rod 1.5 meter long brass pipe, with 2 fixed & 2 slow motion slider	3	4500	13500
45	PN Junction Diode Ch App	Energy Band Gap, Apparatus plots Energy Band Gap Characteristic of PN Junction Diode with plastic moulded body the unit consist of two meters for current & voltage.	2	3000	6000
46	Transistor Characteristic App	Transistor (PNP & NPN both) CE, CB Characteristic Apparatus Complete with power supply & round MOG5 meters & having all the necessary circuits.	1	4000	4000
47	Zener Diode Ch App	Zener Diode Characteristic Appts., 2 Square EDM80 Meters, Complete with Power Supply & Circuit Mounted	1	2200	2200
48	Lens Holder	Lens Holder Accessory for Metallic Optical Bench (Spare) pin, rider, S. steel or Iron.	2	100	200
49	Resistor/Capacitors	Capacitor Box with Series & Parallel Arrangement 0.5 micro F, 220 Volts.	10	10	100
50	Compass Both Side Glass	Magnetic Compass Plotting Both Side Glass 25 mm Dia. ISO	5	30	150
51	Slotted Weight Set 2.5 KG	Standard Material SS or Iron	2	250	500
52	Inclined Planes	60x10cm fitted with glass plate with sliding arrangement with friction less pulley roller, scale pan & graduated metal are.	2	800	1600
53	Hooke's Law Apparatus	on metal stand with weight size 12"	1	5000	5000
54	Digital Multimeter	AC/DC voltage DC current, resistance measuring with hard plastic body	2	800	1600
55	Parallelogram Law App	Wall type, complete with two Z-pulleys with clamp & 3 set of sealed weight 50gm, set of S, Iron N.P.	1	500	500
56	Battery Eliminator	DC volt 0-12, 2 Amp, D.C. using 4mm sockets.	10	1500	15000

P-4

Non Consumable Physics Laboratory

S.No.	Particulars	Specification	Qty.	Tentive Rate	Total Cost
1	Beekar 250 ml	with spout low form 70 mmx90mm	2	45	90
2	WACTH glass	glass ISO	5	20	100
3	Rectangular glass plate	glass ISO	5	15	75
4	lens Convex assorted	DIA 50mm, focal length 5cm, 10 cm	5	25	125
5	lens Concave assorted	DIA 50mm, focal length 5cm, 10 cm	5	25	125
6	Prism	crown glass 32x32 mm	10	50	500
7	Glass slab	Glass rectangular	10	50	500
8	mirror convex assorted	DIA 50mm, focal length 5cm, 10 cm silvered back, unmounted	5	25	125
9	mirror concave assorted	DIA 50mm, focal length 5cm, 10 cm silvered back, unmounted	5	25	125
10	Allpin	SST Shape	2	40	80

11. ammonium chloroxide 150 kg
 12. copper sulphate 150

1kg 250
500gm

250 660
Ammonide

250 330
2425

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PHYSICS LAB ARTICLES
For Swami Vivekanand Govt. Model School
Permanent Item

P-5

Sr. No.	Items Specimen	Specification	Tentative rate as per market per unit rate (Rs.)	Quantity	Total coast in Rs.
1	Almirah Steel with glass Dor	As per in RCSE furniture specification size WxDXH 916x486x1980mm	9000	4	36000
2	Steel Almirah	As per in RCSE furniture specification size WxDXH 916x486x1980mm	8000	2	16000
3	Teacher Table (with steel rack)	As per in RCSE furniture specification 3x2.25x2.50	4000	1	4000
4	Practical Table	8'x4'x2.8" feet quantity=3, top thickness with laminated snamica	4000	3	12000
5	Teacher chair	As per in RCSE furniture specification 38x39x Back 38x42 Seat	1000	1	1000
6	Green Board	8'x4' feet Surface thickness 3.4 mm.	8000	1	8000
7	Display Board (Wooden & Ply)	Made of wooden and ply size 6'x4'	4000	1	4000
8	Student Stool, 2 feet hight	As per in RCSE furniturte specification WxDxH 420x420x600 MDF TOP	900	20	18000

9