

3872
1914

4C
File No. 106

SUBJECT.

Bacteriological Laboratory of Presidency College

B. Decun h^opin 205.229-33

Government of Bengal.

General DEPARTMENT.

Eon. BRANCH.

Number of Proceedings.	SUBJECT.	File No.	Date of order.	Previous Proceedings.
229-337 B. Decun	Presidency College. Sanctioning Director of Public Instruction's proposal to an expenditure of Rs. 4,000 for equipping a Bacteriological Laboratory in the Presidency College.	4C 106	21st Nov. 1914.	

File
1/25/14
20 December
20229-30
General

Govt. of 1914 } Bengal.		Department	<i>General</i>
Enclosures	FROM The Director of Public Instruction, Branch Bengal.	Branch	<i>Edn</i>
Plans	SUBJECT:	File No.	<i>40/106</i>
Spare copies		Number in File	<i>1</i>
		Date of receipt	<i>30.10.14</i>
		Diary Number	<i>87/635</i>

No. **703**

To THE SECRETARY TO THE GOVERNMENT OF BENGAL,
 GENERAL DEPARTMENT.

Calcutta, the *29* Octr. 1914.

Sir,

DEPARTMENT.

I have the honour to report that, as the Presidency College, Calcutta, has been affiliated with effect from the beginning of the current session, 1914-15, in Botany up to the B.A. and B. Sc. standards (Pass and Honours), and as the syllabus of the Honours Course demands a knowledge of Bacteriology in its theoretical and practical aspects, a laboratory adequately fitted for practical instruction in bacteriology is essential. The Presidency College has no such laboratory, and the deficiency should be remedied at an early date, as students who intend to present themselves for the Honours in Botany at the 1916 examinations of the University are already under instruction.

2. It is proposed to convert one of the rooms of the

Botanical Laboratory into a Bacteriological Laboratory, by equipping it with the requisite apparatus, appliances and furniture as in the detailed lists herewith appended. The estimated cost approximately amounts to Rs4,000/- as follows :-

(1) Apparatus and appliances	... £ 250/-	- Rs3,750/-
(11) Furniture	...	Rs 185/-
Carriage etc.		65/-
		<u>Rs4,000/-</u>

3. I have accordingly to request that the sanction of Government may be accorded to the expenditure to Rs4,000/- for the purpose. Having regard to the fact that the expenditure is urgent and unavoidable and that students will be seriously inconvenienced unless they are enabled to start practical work in Bacteriology soon after the Christmas holiday. I propose to find the requisite funds by re-appropriation from the provision in this Department budget for the current financial year under the head "Stipends Guru Training School- Government Schools- Special,"

The necessary re-appropriation statement is being submitted through the Accountant General, Bengal.

I have the honour to be,

Sir,

Your most obedt. servant,

WZ. Wond Swarth

Asstt: Director of Public Instruction, Bengal.

List of Furniture for the Bacteriological Laboratory.

- | | | | | |
|----|------------|---------------------|-------------------|----------|
| 1. | 5 x 2½ ft. | Tables | 6 at Rs 27. each | Rs. 162 |
| 2. | 2½ x 1 | Two oval top stools | 6 at Rs 3/12 each | Rs. 22/8 |

184/8

Apparatus and appliances required for The Botanical Laboratory.

Catalogue No.	Item No.	Description of article	£	Rate	d	Unit	Number Quantity	£	Cost	d
294 ^s	1.	Bacteriological Incubator new and improved for maintaining a uniform temperature of 37°C, fitted with Automatic gas regulator, which will control the temperature within 10 c. The exterior frame work of Simes oak, with all necessary adjustment. Two shelves. No. 4. Size. 20 by 16 by 16 in - - - -	13	10	-	each	one	13	10	-
328	2.	Autoclave, Cumberland's Improved form, with bracket arm & screw for raising top. The Autoclave is tested to three atmospheric pressure. By a mechanical device the gauge can be adjusted, so that when the required pressure is reached the burner is automatically lowered. No. 4 Size. Depth of the Copper vessel 17" and diameter 15½" - - -	22	-	-	each	one	22	-	-
349 ^s	3.	Steam Steriliser, automatic Condensing pattern, Square form, with Shelf in Centre. Size of the Chamber E, No 2, 20 by 12 by 12 in - - - -	7	10	-	each	one	7	10	-
371 ^s	4.	Hot air steriliser, double wall, Asbestos Covered. 14 by 14 by 1								

Catalogue No.	Item No.	Description of article	£.	S.	d.	Unit	Number Quantity	£.	S.	d.
		16 in high, with perforated false bottom, and moveable shelf in Centre, with three rose burners. Copper - - -	7	15	-	each	one	7	15	-
384 ^s	5.	Cold Storage Chest, with two Chambers, each 13 in. high by 9 in. by 9 in. inside, fitted with a box on top with grid for ice, set in a strong wooden case. A stop-cock is fitted at bottom to drain the excess of water. With two suitable thermometres. - - -	10	5	-	each	one	10	5	-
416 ^s	6.	Test tube Rack 3 by $\frac{1}{2}$ in, two tiers to hold tubes "B" stand -	8	6	-	each	$\frac{1}{2}$ doz.	2	11	-
417	7.	Pipettes 1. c. c. graduated in 100 divisions. - - -	-	9	6	per doz	2 doz.	-	19	-
	"	" " " - - -	-	9	6	per doz	4 doz.	1	18	-
417	8.	Pipettes 10. c. c. graduated in 100 divisions - - -	-	11	-	per doz	4 doz.	2	4	-
418	9.	Pipettes one c. c. graduated in 100 divisions, with bulb at top and J. L. tubing on end -	14	-	-	per doz	2 doz.	1	8	-
438	10.	Wire basket, tinned without joint at sides. A size $6\frac{3}{4} \times 4 \times 2\frac{3}{4}$ inside. C. $6 \times 6 \times 6$. B. $5\frac{3}{4} \times 3\frac{3}{4} \times 3\frac{3}{4}$.								

187/70.

No.	Description of article	No.	Rate		Unit	Number Quantity	Cost	
			£.	s.			£.	s.
8	11. Copper box for sterilising pipettes 15 x 2 1/2 diam. - - -	-	4	6	each	two	-	9 -
574	12. Meat Extractor, Dr. Kleins.	1	1	-	each	one	1	1 -
575	13. Meat juice Extractor, New patron - - - - -	-	10	-	each	one	-	10 -
3486	14. Gussen Burner, with bye-pass lever stop-cock for self lighting jet, outside diameter of the tube 1/2 in. - - - -	-	3	6	each	1 1/2 doz	3	3 -
2025	15. Foot blown with tripod No 3. size. - - - -	1	9	-	each	two	2	18 -
2104	16. Bottles clear glass, with pipette stopper ground in for dropping with I. L. test	-	10	6	per doz.	one gross	6	6 -
4056	17. Test tubes, best quality, suitable for Chemical and Bacteriological use.							
	6 x 1/2 in. - - - -	-	5	6	per gross	3 gross	-	16 6
	6 x 3/4 in. - - - -	-	7	6	per gross	1 gross	-	7 6
	3 x 1/4 in. - - - -	-	2	6	per gross	6 gross	-	15 -
	6 x 7/8 in. - - - -	-	11	-	per gross	1 gross	-	11 -
	7 x 1 in. - - - -	-	1	2	per doz	1 doz	-	1 2
	7 x 1/2 in. - - - -	-	2	-	per doz	1 doz	-	2 -
4059	18. Test tubes, Extra strong for Bacteriological work, best quality.							
	6 x 5/8 in. - - - -	-	9	-	per gross	1 gross	-	9 -
	6 x 3/4 in. - - - -	-	10	-	per gross	1 gross	-	10 -
	7 x 3/4 in. - - - -	-	12	-	per gross	1 gross	-	12 -
951	19. Medium sized Microscope G.H. (Leitz). Stand with joint admitting of the body being tilted to 45°. Horse shoe foot of stem cast in one piece, Coarse							

1878-11-2

Catalogue Item No. No.

Description of article
 adjustment by rack & pinion,
 fine adjustment by means of
 the new micrometer screw.
 with lens transposition forma-
 -rently, attached to it & slips
 into a sleeve attached to the
 underside of the stage. The
 Condenser & Cylinder diaphragm
 are interchangeable. A swing-
 -out ring attached to the face
 of the iris diaphragm fitting
 serves to hold a ground or
 coloured glass-dic. Triple
 nose piece; objectives 3, 6, 1/2
 oil immersion, N.A. 1.30, eye-
 pieces I, III, IV, magnifications
 51-1050.

Q ^{ty}	Rate	d.	Unit	Number	Cost	Q ^{ty}	S.	d.
	S.			Quantity	£.			
13	-	-	each	one doz	186	-	-	-

Total £ 244 11 2

Incidental Charge £ 5 8 10

Net Total £ 250 - .

5/11
O. F. 411 (new.)

1.C. 106
D. December 7/14
900.231-32
6.11.14
Office of the Accountant General, Bengal.

No. $\frac{Ei.}{H. O. 6/1}$

The undermentioned document is submitted to the Secretary to the Government of Bengal, *General* Department, with the following remarks :—

The re-appropriation proposed is admissible.

502
 $\frac{48}{100}$
2
6.11.14
1.2.15

Calcutta, the 4th November, 1914.

[Signature]
Accountant General, Bengal.

to
Document accompanying the above memorandum :— Letter No. _____, dated the _____, 191 _____,
from the *A re-appropriation stth. (in duplicate) for the*
Botanical Laboratory of the Presidency Com^y.

23-2/11 Ed. VC 14
106 (3)
D. December 1914
No. 233.

GOVERNMENT OF BENGAL.

GENERAL DEPARTMENT.

Education BRANCH.

No. 4429

FROM

R. B. Steele, Esquire, I.C. S.,

Under-Secretary to the Government of Bengal,

TO

THE Director of Public Instruction, Bengal.

Calcutta, the 21st November 1914.

SIR,

With reference to your letter No. 703 dated the 29th October 1914, I am directed to convey the sanction of Government to an expenditure of Rs. 4,000/- to meet the cost of equipping a Bacteriological Laboratory in the Presidency College. The charge will be met by reappropriation from the provision made in the current year's Education Budget under the head "Stipends Guru Training School" "Government Schools Special".

I have the honour to be,

Sir,

Your most obedient servant,

Sd/- R. B. Steele.

Under-Secretary to the Govt. of Bengal.

No. 4430

Copy, with a copy of the reappropriation statement, forwarded to the Financial Department of this Government for information and for communication to the Accountant-General, Bengal.

By order of the Governor in Council.

Calcutta;
The 21st Novr. 1914.

R. B. Steele.

B. S. Press—17-10-1914--978F--1.060 Under-Secretary to the Govt. of Bengal.

H. Chaudhury.
20.11.14.

1914.

Government of Bengal.

CONTINUOUS NOTE SHEET.

DEPARTMENT,

BRANCH.

FILE $\frac{4C}{106}$

No. 229-33 J. Occasional

SUBJECT:

Bacteriological Laboratory with order of

Notes and Orders.

From Dr J ho 703 of the 29th Oct 1914.

The letter explains itself. The proposals may be sanctioned with the consent of the Fincl Sect^{rs} but the receipt of the appropriation from the A.G.B may first be awarded

W.L.W. about suppⁿ statement
3/11/14
remitted on 7th of inst
recd by them
M.M.
5/11/14

From A.G.B ho 34 of the 4.11.14

The appropriation 5A has been recd from the A.G.B duly verified and we may now sanction the proposal with Fincl.

Depts' consent. Draft revised below
for appl.

ALC
7/11/14

Sanction with final

count
MM
9/11/14

Final Dept
9/11
10

SMS
11/11

No objection.

S.N.C.
12/11/14

The draft seems to require a little modifica-

tion as the expenditure of Rs 4500/- is for equipment only as detailed in the Dept's letter (p.u.d)

Re: Bismarck

12/11/14

I have suggested modification to the draft. otherwise no obj.

By
S. S. S. S.
14/11

Submitted for approval.

S. S. S. S.
16/11/14

MM
17/11/14

Final order

Rev

12/11/14
10

OD 4429/4430 2/11/14

GOVERNMENT OF BENGAL.

Genl DEPARTMENT.

Brn BRANCH.

Genl File 4C of 186 191 4

INDIA'S sanction is not required.

All necessary and also subsidiary orders have been passed.

All orders that have been passed have been issued.

Submitted to Head Assistant.

The He 17/11 191 5

Blw

Assistant in charge of the Case.

The M 1 191 5

He

Head Assistant.

To RECORDER.
TAKID CLERK.