

(1) Number of pages _____

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(3) Initials of the Referencer _____

MADRAS RECORD OFFICE.**Government of Madras.***Public Works* **DEPARTMENT.**

G.O. No.

732

Press

Mis.

Dated

14-8-

18

77.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

14th September 1877, No. 729 W.

Buildings and Roads.
Civil Works.

Read the following paper:—

No. 100. Proceedings of the Madras Government in the Educational Department,
dated 28th August 1877, No. 336.

ABSTRACT.—*Presidency College*.—The additional outlay of Rupees 2,756 required
in connection with the new Laboratory, sanctioned.

No. 101. ORDER THEREON, 14th September 1877, No. 729 W.

THE following estimates in connection with the Laboratory of the Presidency
College are sanctioned:—

	RS.	RS.
1. Estimate for a Still-house	1,018	
Deduct amount allowed for a still in the estimate sanc- tioned in G.O., No. 164, dated 14th March 1877	200	818
2. Estimate for providing teakwood rods and hooks for the display of diagrams, for coating the lecturer's table with sheet lead, covering in the sand bath, providing lock and keys to the drawers of students' benches, and for stools.		645
3. Estimate for laying on a supply of water from the Muni- cipal Main		364
		<u>1,827</u>

2. The total amount of the estimate for the Laboratory will now stand at
Rupees 31,441, as follows:—

	RS.
Amount sanctioned in G.O. No. 257 of 23rd June 1875	27,814
Do. in G.O. No. 164 of 14th March 1877	1,550
Do. for benches in G.O. No. 274 W of 31st May 1877.	250
Do. in this order	1,827
	<u>31,441</u>

3. The amounts appropriated for the work in 1877-78 are as follow:—

	RS.
I.—In the Educational Fund Budget, Item No. 2	232
II.—In Educational Department order recorded with G.O. No. 274 W of 31st May 1877	250
III.—In the Educational Department Order printed with the present Proceedings	2,756
	<u>3,238</u>

2 PUBLIC WORKS DEPARTMENT, 14TH SEPTEMBER 1877; No. 729 W.

4. The sanction accorded in these Proceedings has been registered as Special No. 51 B of 1877-78.

(True Extract.)

Colonel, R.E.,
Secretary to Government, P.W.D.

Summary of Estimates for completing
the Presidency College Laboratory.

Estimate for a Still-house for the Laboratory	1018	..	..
Do for additional fittings	645	..	..
Do for supplying the Laboratory with red Hills water	364	..	..
	Rupess.	3027	..
Deduct amount allowed for a Still-House in Estimate sanctioned in G.O. No. 164 D/14 March 1877		200	..
	Total Rupess.	1827	..

Rupess One thousand, eight hundred and twenty seven.

K. N. N. N.
Genl. Archt. to Government

Consulting Architects Office
19 June 1877

Estimate for constructing a still house for the Presidency College Laboratory.

Detailed quantities

Description of work	No.	L.	Q.	D.	Contents	Total
<u>Excavation for foundations</u>	1	46.68	39.6		2644	
					<u>Cubic yards</u>	<u>135</u>
<u>Concrete</u>	1	46.64	32.0		395	
					<u>Cubic yds</u>	<u>15</u>
<u>Brickwork in foundations & plinth</u>						
footings	1	46.62	31.6		157	
plinth	1	46.61	67.6		523	
					<u>Cubef</u>	<u>680</u>
					<u>Cubic yards</u>	<u>25</u>
<u>Brickwork in superstructure</u>						
Walls	1	46.61	37.0		407	
parapet	1	46.60	61.9		41	448
Deductions						
Doorway 3/8 of	1	4.01	37.0		35	
					<u>Carried Over.</u>	<u>35</u> 448

	Brought forward							35	448
Ventilators	2	4	6	1	3	2	0	23	
do	2	11	0	1	3	2	0	55	
									113
								cubic ft.	335
<u>Brickwork with field bricks cubic yds</u>									7
<u>Brickwork with face bricks cubic yds</u>									6

Teakwood wrought & put up.

Joints	18	16	00	40	6	48
do at ends	20	3	00	40	6	10
do	1	25	60	40	6	4
Uprights for Ventilators	24	0	30	42	0	4
Plates below uprights	2	11	00	30	4	2
do	2	5	00	30	4	1
						cubic ft. 69

Door	1	4	00	7	00	28	Suplft
------	---	---	----	---	----	----	--------

Painting woodwork with 3 coats of Barsons paint

Door	2	4	00	7	00	56
Joints	18	15	00	1	4	360
do	20	3	00	1	4	80
do	1	25	60	1	4	34
Uprights	24	1	2	2	00	56
plates	2	11	00	0	10	18
do	2	5	00	0	10	8
						Suplft. 612
						Squares 6

Plastering interior 2 coats	64	00	8	00	512	
Joints	1	18	00	0	9	14
do	2	25	00	0	9	38
do	2	13	00	0	9	20
						584

Deduct

Door
Ventilators
do

1	4	00	7	00	28
2	10	6	2	00	42
2	4	6	2	00	18
					88

Suplft 496

Squares 5

Pointing exterior

walls
Joints
do
do

49	0	12	0	588	✓
1	18	0	6	9	✓
2	25	0	6	25	✓
2	13	0	6	13	✓
				<u>635</u>	

Deduct

Door
Ventilators
do

1	4	00	7	00	28
2	10	6	2	00	42
2	4	6	2	00	18
					88

Suplft 547

Squares 5 1/2

Flooring with Buddapah slabs

1	20	00	12	00	240
1	4	00	1	00	5

Suplft 245

Squares 2 1/2

Terracing

Rain pipes

Nine inch drain

1	25.6	15.0	383	sup ^{ft}
2	10.0		20	sup ^{ft}
				square 4
				50 Linear feet

Estimate for constructing a Still-house for the Presidency College Laboratory.

Abstract.

Quantity	Item	Rate	Per	Amount
135	Excavation for foundations	2	lft	16 14
16	Concrete	4	"	60
25	Brickwork in foundations and plinth with thick field bricks	4 12	"	118 12
7	Brickwork in superstructure with thick field bricks	5 12	"	40 4
6	Brickwork with pressed face bricks	9 8	"	57
69	lft Teakwood wrought and put up	3	lft	207
28	lft Door with frames & brass fastenings	1 4	lft	35
6	sqrs Painting with 3 coats of Carson's Color	3	sqrs	18
5 1/2	Plastering interior (two coats)	2 6	"	11 14
2 1/2	Flooring with Buddapah slabs	36	"	90
4	Terracing	27 8	"	110
20	lft Zinc Rain pipes including fixing	12	lft	15
50	Nine inch Drain	8	"	25
85	One inch pipe to connect supply pipe from Tank with condenser including all cuts, screws, bends and all necessary fastenings	1	"	85
1	No. Gun Metal stop cock including fixing complete	8	each	8
1	Fixing large still complete	30	"	30
1	Do. small	20	"	20
				969 12
				48 4
Contingencies at 5 per Cent				Total Rupees 1018

K. Krishna Rao
Consy Archt to Government

Estimate for additional fittings required for the Presidency College Laboratory.

Quantity	Item	Rate	Per	Amount
2 Nos	Teakwood rods with 18 brass sliding hooks for hanging diagrams	25	each	50
	Fixing shelves on wooden partition of Lecture Hall with glazed shutter.			90
1	Covering Lecture bench with sheet lead			67
1	Wooden cover for sand Bath	90	each	90
50	Locks for students benches	18		225
	Providing additional shelves for almirahs			90
1 No	Stool 3 ft high and 15" square	3		3
				615
	Contingencies at 5 percent—			30
				Total Rupees 645

W. Krishnaiah
 Bang Archt to Government

Estimate for supplying the new Laboratory
with Red Hills water.

Specification

The water from the Municipal main to be
led through a 2" metal pipe from the Municipal
main to the force pump now situated on the
south side of the Presidency College, Chepauk,
and drawing supply from a well. The junction
to be made with the pump by proper Gun Metal
or brass fastenings and the main to be provided
with a proper Brass or Gun Metal stop Cock
to cut off the supply if necessary. The whole to be
delivered up in an efficient and workmanlike
condition.

V. Minshew
Cons. Archt. to Govt.

Estimate of the expense of Laying and jointing a 2" Branch
from 7" main in Chepauk to the 2" suction pipe of Double Cylinder
pump for Presidency College.

Quantity	Item	Rate	Per	Amount
		1 8	ft.	202 8
55 feet	of 2" wrought Iron piping	29	each	58
2	2" Gun metal stop Cocks	12	"	24
2	Cover for do	2 4	"	2 4
1	2" Tee	1 7	"	2 1 2
2	Cast Iron collars for 2" pipe	12	"	3
4	2" couplings	2	"	2
	Tapping and screening a 2" hole			2
	Bailing water			
	Laying and jointing 452 yds of 2" piping	1 4	2 yds	11 4
	Connecting this line of pipes with suction pipe to pump			5
	Fixing 2 stop Cocks	8	each	1
	Masonry for do			4
	5 per Cent on materials 291.13.2			14 9 5
10	do do supervision 317.1.2			31 11 2
Total Rupees				363 5 9

signed J. A. Jones
Executive Engineer
Madras Municipality

True Copy.

R. Krishnan
Consgr Archt. to Government.

17/10/21

P.W.D.

21 JUN 77

6098

Estimate for completing the
Presidency College Laboratory.

Purposes..... 1827-0-0

Consulting Architects Office
19 June 1877.

L. Chubb 24/77

Appendix to Cong Archt's letter No 1035 of 19 June 77
Extracts of letters from the Professor of Physical
Science, Presidency College to the Cong Archt to Govt.

the Laboratory is made to depend for its
water supply entirely upon a well in the college
compound. This I consider a highly undesirable
state of affairs, the water is brackish, and
though quite good enough for detergent purposes,
evidently contains an amount of dissolved
matter which renders it unfit for distillation.
Moreover the supply cannot be considered by
any means inexhaustible. Under these
circumstances I have the honor to request
you will make arrangements for instituting
some kind of connection between the Laboratory
and the Municipal Main which since it
passes within a dozen yards, cannot be
considered a very difficult matter. Your
suggestion to build a small brick reservoir
into which the pump feed pipe would dip,
through which arrangement I could draw
my supply from either source at pleasure.
I think highly commendable.
I would also bring to your recollection
the arrangement for carrying the water to

"to the still at the west end of the Laboratory."

P.W.D.

1877
6083

Signed/ W. H. Wilson

20th April 1877

Professor of Physical Science

"I would also direct your attention to the following points."

1 The table in the Lecture Room must be firmly fixed in the floor, and should be covered with sheet lead.

2 Against the Partition behind the table in the Lecture Room, three shelves should be placed, each 1 ft 6 inches wide and at the height of 2 ft, 3 ft 3 inches and 4 ft 3 inches, respectively, reaching from the black board to the south doorway in the partition wall.

3 The rod for suspending diagrams concerning which I spoke to you should stretch along the partition wall at a height of 1 ft 6 ins. above the doorways, and should be provided with plenty of sliding rings of the form annexed. Another rod, similar to the first should be placed 6 feet above it.

/signed/ W. H. Wilson

8th May 1877

Professor of Physical Science

/True Extracts/

W. H. Wilson

Consig Archt to Govt.

L. Chas. L. 314/77
2014 Sept. 5 503 Rs. 100

No 7294 of 14th Sept 1877
Public Works Department

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

14th Sept 1877

Read the following:—

G.O. Educational Department (H.E. No. 336. of 28th Aug. 1877)

The following estimates

in connection with the Laboratory of the Presidency College are sanctioned.

1. Estimate for a Still house. Rs 1018.

Deduct amount allowed for a Still in the estimate sanctioned in G.O. No 1644 dated 14th March 1877.

200

818.

2. Do for providing teakwood rods and hooks for the display of diagrams, for coating the lecturer's table with sheet lead, covering in the sand bath, providing locks & keys to the drawers of students benches, and for stools.

645.

3. Do for laying on a supply of water from the Municipal Main.

364.

1827

2 The total amount

of the estimate for the Laboratory
will now stand at Rs 31,441.
as follows.

Amount sanctioned
in G.O. No 257 of 23rd
June 1875

Rs 27,814

$\frac{54}{11}$

Do in G.O. No 164 of

14th March 1877

Rs 1550

$\frac{54}{2}$

Do for Rents in G.O.

No 274 W. of 31st May

1877

Rs 250

$\frac{54}{3}$

Do in this Order

Rs 1827

$\frac{54}{4}$

31,441.

3. The amounts appropriated
for the work in 1877-78 are
as follows.

I In the Educational
Fund Budget, Item No 2. Rs 232.

II In Educational Dept.
order recorded with G.O.
No 274 W. of 31st May 1877. Rs 250.

III In the Educational
Dept. Order, printed
with present Proceedings. 2756.

3,238.

ENT

Wm
11-9-77

To
The Educational Department
Examiner P.W. Accounts
Consulting Architect to Govt

Dated 21-9-77

The sanction accorded
in these Pro: has been
registered as Special
No. $\frac{54}{11}$ B of 1877-78

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5
3
17

Copy 18
Smt. of 11877 Madras.
PUBLIC WORKS.

To
Dated
Issued
Recd. Encl.

15-9-77

G. O., 12th Sep 1877, No. 729 W

Nos. 100-101

Presidency College, Madras
Ranching estimates in con-
nection with the Laboratory
of the —