(1) பக்கங்களின் எண்ணிக்கை 20

(2) புதுக்கித் திருப்பிய நாள் ௨௨-3-8௯

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொ பணித் துறை

அரசாணை எண். மு. கோப்புத் தாள் எண்.	௭௨(ம)	அச்சகம் பலவகை
நாள் :	11-1-1890	198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

௨௭

ஆவண. கா-1—18,000—15-6-87.

11th January 1890, No. 72 W., Public Works.

72/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From H. B. GRIGG, Esq., M.A., Director of Public Instruction, to the Chief Secretary to Government, dated Madras, 19th September 1889, No. 8103.

I have the honor to submit, countersigned, the enclosed estimate for Rs. 598 for carrying out certain alterations to the Chemical Laboratory attached to the College of Engineering. The necessity for the alterations is pointed out by the Principal in his letter No. 416 C., dated 23rd August 1889, copy enclosed. I beg accordingly to request that you will be good enough to obtain the sanction of Government for the work being undertaken.

2. I would add here that the Consulting Architect has informed the Principal that the charge can be met from the Public Works funds under the head "Minor Works."

Letter from the Director of Public Instruction, dated 9th December 1889, No. 10686.

No. 151 R., Educational.

Approved and transferred to the Public Works Department.

Fort St. George,
20th December 1889.

(Signed) A. G. CARDEW,
Under-Secretary.

Order—dated 11th January 1890, No. 72 W., Public Works.

The estimate, amounting to Rs. 598, for alterations to the Chemical Laboratory attached to the College of Engineering, Madras, is sanctioned against the Minor Works grant to the Consulting Architect's division.

2. This sanction has been registered as Provincial No. 100 W. of 1889-90, and classified as Civil Buildings, Original Works.

(True Extract.)

Captain, R.E.,
Under-Secy. to Govt., P.W.D.

To the Consulting Architect to Government.
" Examiner, Public Works Accounts, with abstract estimate for note and return to the Consulting Architect.
" Educational Department.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated January, 11th.

Recd. Encl.

G.O., 11th Jan. 1890, No. 72 W.

JANUARY.

College of Engineering, Madras

Estimate for alterations to the Chemical Laboratory attached to the —, sanctioned.

No. 416 C.
Dated 23rd August/89.

From,
The Principal, 72/2
College of Engineering.

To,
The Director of
Public Instruction, Madras.

Sir,

The Professor of Engineering reported to me on 25th May last that the Chemical Laboratory provided in the new College buildings is inconveniently blocked with fixtures, and is indifferently supplied with water. Mr. Chatterton proposed that a "sand bath" and "stink closet," which have been built of great size, should be removed and reduced respectively, & that a portion of the benches should be taken away. The

latter

latter proposal would reduce the nominal capacity of the Laboratory from thirty-two to twenty four students, but as fifteen is the probable maximum strength of a practical class, I see no objection to the alteration asked for. As regards the want of water, pipes are provided to the benches, but the pressure in the supply pipe is often so low that no water flows. To remedy this, Mr. Chatterton proposed the erection of a tank to hold one hundred gallons, with a small hand-pump.

2. Mr. Chatterton's report was forwarded by me to the Consulting Architect for preparation of an Estimate of the cost of the proposed alterations. Mr. Brassington has now furnished the Estimate enclosed, amounting to R. 598; and I have the honor to recommend it to you for the sanction of Government.

7¾/3

I have &c

(Signed) R. D. Love, Capt. R.E.
Principal.

(True Copy)

6. 8. 94

Director
Public Instruction

72N

No. 732 C

Dated 2nd November 1889

From
Captain H. D. Love R. E.
Principal, College of Engineering
Madras

To
The Director of Public Instruction
Madras,

Sir, 73/9

In reply to your Endorsement No. 9418 dated 31st October 1889, (received this day) on Government reference No. 826 dated 22nd October, herewith returned, I have the honor to state that, there being no science Professorship attached to this College, the Science Teaching is divided between the Professors of Mathematics and Engineering. Prior to the selection of the gentlemen who now occupy those positions, it was requested that, on nominations being made, attention should be given to ability on the part of both professors to teach elementary Science

-ence. At present the lectures [in] Mixed Mathematics and Geology are given by the Professors of Mathematics, and those in Chemistry and Heat by the Professor of Engineering.

2. I approve of the alterations proposed in the Chemical Labora-tory, and consider them necessary.

I have &c
Sd. H. D. Love
Capt. R.E.
Principal

True Copy

H. B. Grigg

Director of Public Instruction

27

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1 P

OFFICE OF THE DIRECTOR OF
PUBLIC INSTRUCTION,
Madras, 19th September 1889.

No. 8103.

72/4

From
H. B. GRIGG, ESQ., M.A.,
DIRECTOR OF PUBLIC INSTRUCTION,
Madras,

To
The Honble the Chief Secretary
to Government,
Fort St. George.

SIR,

I have the honour to submit, countersigned, the enclosed Estimate for Rupees 598, for carrying out certain alterations to the Chemical Laboratory attached to the College of Engineering. The necessity for the alterations is pointed out by the Principal in his letter No. 416.C of 23rd August 1889, copy enclosed. I beg accordingly to request that you will be good enough to

6 No. 826

to obtain the sanction of Government for the work being undertaken.

2. I would add here that the Consulting Architect has informed the Principal that the charge can be met from the Public Works Funds under the head "Minor works".

I have the honor to be,
Sir,
Your most obedient Servant,

H. B. Grigg

Director of
Public Instruction

OFFICE OF THE DIRECTOR OF
PUBLIC INSTRUCTION,
Madras, 9th December 1889.

No. 10,686.

72/6

From

H. B. GRIGG, Esq., M.A.,
DIRECTOR OF PUBLIC INSTRUCTION,
Madras,

To

The Honorable the Chief Secretary
to Government,
Fort Saint George.

SIR,

In reply to reference on No. 826 of 1889, I have the honor to enclose copy of letter No. 732 C dated 2nd November 1889 from the Principal College of Engineering, explaining the connection of the Professor of Engineering with the Chemical Laboratory attached to the College. I approve of the proposed alterations and consider them necessary, and beg to request the sanction of Government for the work being proceeded with.

I have the honor to be,
Sir,
Your most obedient Servant,

H. B. Grigg

Director of Public Instruction

[F. 10.]

~~Reference or No. of 18 .~~

~~In replying the above should be quoted.~~

CHIEF SECRETARIAT. MADRAS.

Educational DEPARTMENT.

3 R

72/7

READ the following papers from the Director of Public Instruction, dated 19th September & 9th December 1889, No. 8103 & 10,686, regarding certain alterations to the Chemical Laboratory attached to the College of Engineering.

Dated 20th December '89 R No. 157.

Approved and transferred to the Public Works Department.

Fort St George
20th Dec: 1889

A. G. Cardew
Under Secretary.

To

The Public Works Department.
(with enclosures)

2. I.D

12228

B
26-12-89

Public Works Department.

Current No. 12228

Letter No. 151 R.

Dated 20th December/89

From the Educational Dept

Sanction [illegible]
5.12.89

72/80/8

NOTE OF REMARKS.

The accompanying estimate under review amounting to Rs 598 provides for Alterations in the Laboratory of the College of Engineering Madras.

The necessity for the alterations is pointed out by the Principal in his letter No. 416 C d/ 23rd August/89 - i.e. the Chemical Laboratory provided in the new College buildings is inconveniently blocked with fixtures and is insufficiently supplied with water &c.

The rates for piping &c and ~~for~~ the lump sums provided in the estimate cannot be checked & the other rates such as brickwork, plastering & flooring are fair.

Petty supervision & contingencies are separately charged at 2½ & 5% respectively.

The estimate has been countersigned by the Director of Public Instruction & approved in the Educational Department.

24.12.89.

To W.

Perhaps the usual draft order sanctioning the estimate may now be drawn up? J.P.
26-12-89

No 7

B & R
A works

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

11th January 1890

READ the following

Letter from the Director of Public Instruction. — No 8103 d/19th Septr 1889.

Letter from the Director of Public Instruction. No 10,686 d/9th Decr 1889.

Memorandum in the Educational Department. R No 157, d/20th Decr 1889.

H.P.

2/a

The estimate amounting to Rs 598, for alterations to the Chemical Laboratory attached to the College of Engineering, Madras, is sanctioned against the Minor works grant to the Consulting Architect Division.

DM
10/Jan

2. This sanction has been registered as Provincial No 100 W of 1889-90 and classified as Civil Buildings — Original Works.

To
The Consg Archt to Govt.
" Exam P.W. Accts with abstract estimates for note and return to the Consg Architect.
" Educational Department

D 11/1/90.

W.M.
8.1.90

8.1.90

Govt. of 18 | Madras.

PUBLIC WORKS.

19 14/1/90

Recd. Enld.

G.O. 11 Jan 90 No. 72 W

College of Engineering, Madras

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Est for alterations to the Chemical Laboratory attached to the — sanctioned

90/5

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