Public Works (1897) Department.

Print soon

G.O., No. 1810 W

DATED 3 July 1897

[Despatch Abstract.]

Protection of buildings from fire: Passing orders on Correspondence regarding Certain proposed measures for the — and requesting that the necessary action be taken in the Local & Municipal Dept.

280/18

P.W. 30

W 12 3-7-97

Indexed 3/7

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

BUILDINGS AND ROADS.
CIVIL AND MILITARY WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*
Regd. } *Spare copies*

G.O., No. 1810 W., 3rd July 1897.

JULY.

Protection of Buildings from Fire

Passing orders on correspondence regarding certain proposed measures for the — and requesting that certain necessary action be taken in the Local and Municipal Department.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil and Military Works.

Read—the following papers :—

From E. GRANT, Esq., Director-General of Stores, India Office, Whitehall, London, S.W., to the Secretary to the Government of Madras, Public Works Department, dated 5th February 1897, No. 14074 S.

With reference to your letter, No. 3292 W. of 16th November 1896, I have the honour to enclose, for your information, copy of a letter from the Clerk of the London County Council.

In view of the opinion therein expressed as to the inefficiency of grenades and the superiority of small hand-pumps, I have despatched to you, by book post, copies of price lists of three makers of such pumps, which I trust will furnish you with all requisite information.

Enclosure.

From C. J. STEWART, Esq., Clerk of the London County Council, Spring Gardens, S.W., to the Director-General of Stores, India Office, Whitehall, S.W., dated 26th January 1897, No. 505/21-1.

With further reference to your letter of the 12th instant, I have to inform you that the Chief Officer of the Fire Brigade to whom your letter was handed, reports that he has not known any case in which "Improved Harden Star Grenades" have done any effectual service in extinguishing fires. He expresses the opinion that small hand-pumps such as are used in England would be by far the best small appliance for use in public buildings in Madras.

From the Superintending Engineer, I Circle, dated 23rd October 1896, No. 1564 G.D.
" " II " " 8th February 1897, " 595 G.C.
" " III " " 2nd " " " 3655 W.
" " IV " " 31st December 1896, " 656 W.
" " IV " " 22nd January 1897, " 39 W.
" " V " " 5th " " " 2 W.
" " VI " " 5th November 1896, " 1795 T.C.
From the Consulting Architect to Government, dated 5th October 1896, No. 3489.
From the Superintending Engineer, V Circle, dated 7th March 1897, No. 85 W.

Order—No. 1810 W., dated 3rd July 1897.

In connection with the "precautions to be taken against fire" embodied in G.O., No. 967 W., dated 17th March 1896, a suggestion was laid before Government that public offices should be supplied with "Harden Star Grenades"; but before taking any action as regards indenting for a supply, it was resolved to ascertain from the Director-General of Stores, India Office, whether the grenades were still considered effectual in England, or whether they had been superseded by something more efficient.

2. The first paper read above is the reply to the inquiry. It shows that the star grenades are practically useless in a serious fire, and the Director-General forwards a suggestion from the Clerk of the London County Council to the effect that small hand-pumps, such as are used in England, would be by far the best small appliance for use in public buildings in this Presidency. The cost of supplying all public buildings with hand-pumps and their accessories would, however, be very great, and the pumps would probably only be effectual if a fire were discovered at its commencement.

3. The remaining papers read above have been considered by Government in this connection. They are replies to G.O., No. 2456 W., dated 24th August 1896, and relate to the proposed provision of a few extra lengths of hose to each public building, the object being that this hose may be used to supplement that of a fire-engine in case of fire. The question came up on a suggestion by Mr. Bradley, Collector of Coimbatore, after a small fire in a portion of his office, and the opinions of Superintending Engineers on the point were called for in G.O., No. 2456 W., dated 24th August 1896, above quoted. The majority of the officers consulted consider that the hose would be useless if a fire-engine is not available at the station, and this of course is self-evident. Even if an engine were available, no use could be made of the spare hose, unless a well existed close to a building on fire, for the object seems to be to work the engine direct from a well with the aid of the extra hose. It is also pointed out that spare hose would soon deteriorate if not carefully looked after. Some Superintending Engineers give lists of public buildings which may be provided with spare hose, but the first object would be to supply a fire-engine to be kept in a central position at each station in which there are important public buildings. To this end, the Government considers it desirable, in the first instance, that inquiries should be made as to what municipalities have fire-engines or have the means to buy them. In the first case, reports should be submitted as to what steps are taken to keep the engines in proper order, and to ensure that some body of men (Police or others) knows how to work them. In the second case information should be afforded as to the available water-supply, because though it is obvious that every town which can afford the cost should have one or more fire-engines, it would be useless to urge municipalities to purchase the engines unless there is a reasonably good supply of water for working them in those parts of the town where they are most likely to be required for use. The necessary action in this matter will be taken in the Local and Municipal Department.

(True Extract.)

Under Secretary to Government.

To Superintending Engineers.
" the Consulting Architect to Government.
" the Chief Engineer for Irrigation.
" the Consulting Engineer for Railways.
" the Local and Municipal Department.
" the Revenue Department.
" the Public Department.

Exd. T. K. Narayana Aiyangar.

Protection of buildings from fire

P.W. DEPARTMENT.

~~H~~ A

No 1810 W, 3rd July 1897

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following.

Print with encls

From the Director-General of Stores, India Office, London, No. S. 14074, dated 5th February 1897.

From the Superintending Engineer I Circle, No. 1564 G.D., dated 23rd October 1896.

-----------Do---------II Circle, No. 595 G.C., dated 8th Feb. 1897.

-----------Do---------III Circle, No. 3655 W dated 2nd Feb. 1897.

-----------Do---------IV Circle, No. 656 W dated 31st December 1896.

-----------Do---------do---------- 30 W dated 22nd Jany. 1897.

-----------Do---------V Circle, No. 2 W dated 5th January 1897.

-----------Do---------VI Circle, No. 1705 T.C., dated 5th November 1896.

From the Consulting Architect to Government No. 3489 dated 5th October 1896.

From the Superintending Engineer V Circle, No. 85 W dated 7th March 97

In connection with the "precautions to be taken against fire" embodied in G.O. No. 967 W dated 17th March 1896, a suggestion was laid before Government that public offices should be supplied with "Harden Star Grenades", but before taking any action as regards indenting for a supply, it was resolved to ascertain from the Director General of Stores, India office, whether the grenades were still considered effectual in England, or whether they had been superseded by something more efficient.

2. The

1. I approve this G.O.

2. The papers passed Hon. Members on 27.3.97. The draft G.O. reached me yesterday, the 27th June. Why this delay?

A.H. 28.6.97

Issue the order & explain the delay.

1/7/97 W

1/7

Issue [illegible] Govt. [illegible] Dept. for [illegible] counter-initials -

Note for the Secretary No objection in this Department -

[P. W. 40. / 1,500—13-4-97.]

H.E. 9-6-97

2. The first paper read above is the reply to the inquiry. It shows that the star grenades are practically useless in a serious fire, and the Director General forwards a suggestion from the Clerk of the London County Council to the effect that small hand pumps, such as are used in England, would be by far the best small appliance for use in public buildings in this Presidency. The cost of supplying all public buildings with hand pumps and their accessories would however be very -- great, and the pumps would probably only be effectual if a fire were discovered at its commencement.

3. The remaining papers read above have been considered by Government in this connection. They are replies to G.O.No.2456 W dated 24th August 1896, and relate to the proposed provision of a few extra lengths of hose to each public building, the object being that this hose may be used to supplement that of a fire engine in case of fire. The question came up on a suggestion by Mr. Bradley, Collector of Coimbatore, after a small fire in a portion of his office, and the opinions of Superintending Engineers on the point were called for in G.O.No.2456 W dated 24th August

1896

1896 above quoted. The majority of the officers consulted consider -- that the hose would be useless if a fire engine is not available at the station, and this of course is self-evident. Even if an engine -- were available, no use could be made of the spare hose, unless a well -- existed close to a building on --- fire, for the object seems to be to work the engine direct from a well with the aid of the extra hose. It is also pointed out that spare hose would soon deteriorate if not carefully looked after. Some Superintending Engineers give lists of public buildings which may be provided with spare hose, but the first -- object would be to supply a fire-engine to be kept in a central position at each station in which there are important public buildings. To this end, the Government considers it desirable, in the first instance, that inquiries should be made as to what municipalities have fire-engines or have the means to buy them. In the first case, reports should be -- submitted as to what steps are --- taken to keep the engines in proper order, and to ensure that some body of men (Police or others) knows how to work them. In the second case

information

W.6.25-077

information should be afforded as to the available water supply, because though it is obvious that every town which can afford the cost should have one or more fire engines, it would be useless to urge municipalities to purchase the engines unless there is a reasonably good supply of water for working them in those parts of the town where they are most likely to be required for use. The necessary action in this matter will be taken in the Local and -- Municipal Department.

Cu

2/6/97

7/6/97

Suptg. Engineers.
Consulting Architect to Govt.
Chief Engineer for Irrigation.
Constg. Engr. for Railways.
Local & Municipal Depat. 16/7/97
Revenue Department.
Public Department.

1810W

Protection of buildings from fire

P. W. DEPARTMENT.

READ the following :—

From the Dir.-Genl. of Stores, India office, No. S. 14074 d/ 5-2-97

1810W

FOR ORDERS.

In connection with the "Precautions to be taken against fire" embodied in G.O. No. 967W dated 17.3.96 (flagged E), a suggestion was made by the Under Secretary, Public Dept., that public offices should be supplied with "Harden Star Grenades," but before taking any action in the matter of indenting for a supply, it was resolved to ascertain from the D.G. of Stores, India office, whether

43—500-6-3-94.

FOR ORDERS.

whether the grenades were still considered effectual in England, or whether they had been superseded by something more efficient.

The inquiry was made in letter No 3292 W D/ 16.11.96, flagged 7.

The reply now received shows that the grenades are practically useless in a serious fire, and the Director General forwards a suggestion from the Clerk of the London County Council that small hand-pumps, such as are used in England, would be by far the best small appliance for use in public buildings in this Presidency.+ Catalogues are forwarded, giving particulars of various kinds of hand-pumps & fire engines.

+ These catalogues have been placed in the Library.

Page 47 of J. C. Merryweather's book on fire protection gives a description of the Star grenades, and goes on to say that they would be about as effectual as a pint of water thrown into a large fire.

The cost of supplying all public buildings with hand pumps would be very great. Taking Merryweather's Hotel Fire Set, the cost per set is £13-5-6, which would be over Rs 200 without freight, and these pumps would probably only be effective at the commencement of a fire - unless a number of them could play on a building at the same time, it is doubtful if they would get a fire under after it had got firm hold of the building.

If large fire engines are preferred, one would probably do for each important station, to be kept in the principal public building, but the available water supply would have to be considered in each case. The cost of this too would be large.

The papers in the linked file may be considered in connection with this case. They relate to the proposed provision of a few extra lengths of hose to each building, the object being apparently that this hose may be used to supplement that of a fire engine, in case of fire.

The question came up on a suggestion by Mr Bradley, Collector of Coimbatore, after a small fire in a portion of his office (G.O. No 2456 W of 24.8.96, flagged A)

the opinions of all Supdg Engrs on the point have been obtained, and the General Supt: P.W. Stores + has reported the cost of three different kinds of fire hose. Most Supdg Engrs are of opinion that the hose would be useless if a fire-engine is not available at the station, & this of course is a self-evident proposition. Even if an engine were available, no use could be made of the hose unless a well existed close to the building, for the object seems to work the engine direct from a well, with the aid of the spare hose. Some Supdg Engrs give lists of buildings which may be provided with hose, but the first object would be to supply a fire engine to be kept at a central

+ The cheapest hose hitherto procured by the Stores is 5-9-2 per 100 feet. The kind of hose to be obtained, would however depend on the description of fire engine at the station position in the station -

Supdg Engr also points out that spare hose would soon deteriorate if not carefully looked after -

If public buildings are each supplied with Merryweather's hand-pumps, the extra lengths of hose would apparently not be needed.

The whole question is one of cost, and whether the chance of fire is so great as to justify the expense.

Insurance of public buildings are forbidden by para 10, Ch. X Vol I P.W. Code.

All that seems advisable is to provide stations where there is a ~~sui~~ suitable water supply, with fire engines. & Supdg Engr might be asked to advise on this point.

18/3/97

Appd.
A.A.H
20.3.97

I think I would go further & would enquire what municipalities have fire engines or have the means to buy them - In the first case, I would ask what steps are taken to keep them in proper order & to ensure that somebody of men (Police or other) knows how to work them. In the second case, I would also enquire as to the water supply, because, though it is obvious that every town which can afford the estabt. should have one or more fire engines, it would be useless to urge Munl. Cls to buy fire engines *

* unless there is a reasonably good supply of water for working them in those parts of the town where they are most likely to be required for use.

BS
28/3/97

J
27/3/97

I have no objection, and I have issued the G.O.

A.A.H
28.3.97

P.W.D.

Cey 2087 -

Aw 2530 G.O. 1810 W 27/7/97

O.S. 170

C.S.

To be attached to the papers sent down yesterday.

CM
2/7/97

DW

In connection with the "Precautions to be taken against fire", embodied in G.O. No 967 dated 17.3.96 (flagged E) a suggestion was made by the Under Secy. Public Dept. that public offices should be supplied with "Harden Star Grenades", but before taking any action in the matter, it was resolved to ascertain from the D.G. of Stores India Office, whether the grenades were still ~~continued~~ considered effectual in England, or whether they had been superseded by something more efficient.

The enquiry was made in letter No 3292 W of 16.11.96 flagged F.

The reply now received shows that

the grenades are practically useless in a serious fire, & the D. G. forwards a suggestion from the Clerk of the London County Council that small hand-pumps such as are used in England, would be by far the best small appliance for use in public buildings in this Pres.y

Page 47 of J.C. Merryweather's book on fire protection gives a description of these grenades, & goes on to say that they would be about as effectual as a pint of water thrown into a big fire -

Catalogues of hand pumps & fire engines have been forwarded for information -

The cost of supplying all public buildings with hand pumps would be very great - Taking Merryweather's Hotel Siz set, the cost per set is £13-5-6, which woul be considerably over Rs 20 with freight, & these pumps would probably only be effective at the commencement of a fire unless a number of them could play on a building at the same time, it is doubtful if they would get a fire under when it had once got firm hold of the building.

If large fire engines are preferred, one would probably do for each important station, to be kept in the principal public building, - but the available water supply would have to be considered in each case - The cost of this too would be large -

The papers in the linked file might be

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The cost of supplying all public buildings with hand pumps would

for large [illegible] & [illegible] fire engines

be very great. Taking Merryweather's Hotel fire set, the cost per set is £13-5s-6, which would be considerably over Rs 200 with freight, & these pumps would probably only be effective at the commencement of a fire. Unless a number of them could play on a building at the same time, it is doubtful if they would get a fire under when it had once got firm hold of the ~~[illegible]~~ building.

If large fire engines are proposed, one would probably do for each important station, to be kept in the principal public building, but the available water supply would have to be considered in each case. The cost of this too would be large.

The papers in the linked file might be

Considered in connection with this case. They relate to the provision of a few extra lengths of hose to each building, the object being apparently that this hose may be used to supplement that of a fire engine, in case of fire.

The question came up on a suggestion by Mr Bradley, Collector of Coimbatore, after a small fire in a portion of his office. The opinions of all Supdg. Engrs on the point have been obtained, and to get some idea of the cost of the proposal, the Genl Supdt. P.W. Stores has been asked to report the cost of hose.

Most Supdg. Engrs are of opinion that the hose would be useless, if a fire engine is not available at the station, & this of course is a self evident proposition. Even if an engine were available, the extra hose would be unnecessary if there were no well quite close to the building, for the object seems to work the engine direct from a well. Some Supdg. Engrs give lists of buildings, but the first object would be to provide a fire engine to be kept at a central position in the station. Supdg. Engrs also point out that spare hose would soon deteriorate if not carefully looked after.

If public buildings are provided with Merryweather's hand pumps the extra lengths of hose would not be needed.

The whole question is one of cost, & whether the chance of fire is so great as to justify the expense.

For orders.

Ch.
5.3.97

S.A.W.

Any of the plans suggested would, I think, be either inefficient or too expensive. Is there no way of insuring public buildings?

CWB
6.3.97.

DW

. The Code expressly forbids insurance of Govt. buildings, – vide para 10. Ch X Vol I.

Ch
8/3/97

W.

As we can not insure it would perhaps be better to leave matters as they are than to spend larger sums on fire-engines etc.

CWB
9.3.97

R.44
18.7.97

DW

With reference to the accompanying note from the Pr. Secy. I beg to explain that the file which was disposed of by G.O. No. 1810 W. 7 3.7.97 was lying on my table from 30.3.97 (date of return to office from circulation) to 31.5.97 (date of despatch of draft order to Ooty), during which period I had no time to deal with the subject.

Just before Govt. left for Ooty & for several weeks after, work was exceptionally heavy, & I had a large mass of papers on my table, at which I worked constantly until 7 & fre

W
17/7/97

A/ 16.7.97 R 19.7.97

P. W. 29.
2,000—16-11-96.

H.m. 22.3.97 H.m. 26.3.97 R 30-3-97

7.30 every evening – the senior budget clerk was on privilege leave, & the Asst. budget clerk had to go to Ooty, & until Jayaram Naidu's return to duty I had very little assistance in drafting on budget papers – at the same time, there were a great many currents in arrears in the record section – for a short while, every man in the office was put on overtime to clear these arrears, & the currents thus got ready at high pressure were sent to my table in shoals. I think it will easily be imagined how I had to work to keep pace with the papers which thus flooded my table.

This particular file seemed of no urgency, & I therefore kept it on one side ~~until~~ until I got rid of other papers demanding earlier attention –

I am the last one to say anything ~~&~~ about work, but as the delay in disposing of this paper has been noticed, I may mention that there is never a Sunday or public holiday of which I do not devote a portion to my official work.

C.
12.7.97

Quite correct

There was a tremendous rush of work about this time & the other establishment could not keep pace with it and consequently papers got into arrears, and Mr Simpson the 2nd Assistant devoted his attention to ~~XXX~~ getting the work current & did not consider the file under reference urgent.

I am convinced that the delay was not due to idleness on the part of Mr Simpson; he is not only a hard worker but a quick one, and I am often surprised at the amount of work he gets through in a day.

16/7/97

Forwarded to the Private Secretary to H.E. the Governor with reference to his note dated 30th June 1897 in which it is surmised that the delay noticed by His Excellency can be explained –

16/7/97

C.H.B.B.
13-7-97.

W.
12/7/97

CAW

I forward this ~~[illegible]~~ through you, as you know how we were situated, & are still situated as regards work –

Until I obtained relief by Jeyaram Mudr I had to return to duty, I had to ~~[illegible]~~ keep aside several heavy files, & attend to them as time permitted –

Submitted – Cy
I can only add that, 13/7/97

W

DW

For orders whether this file ~~[illegible]~~ should go direct to the Pr. Secy, or be submitted through W

Cy
13.7.97

Perhaps it had better go through W.

CWBG
13-7-97.

G.O. 1810 W d 13/7/97

DW

Submitted for information –

The ~~[illegible]~~ G.O. will be prepared for issue, & note as regards delay will be submitted afterwards –

The file was delayed at Madras from 27.3.97 to 31-5-97, & the circumstances will be explained, in resubmitting the file.

Cy
3/7/97

GS.
CWBG
3-7-97

CS
3/7/97

Issue & return the file to me

Cy
3.7.97

SHW
G.O. issued & file submitted
12/7/97

P. W. 29.
2,000—16-11-96.
18-3-97

Submitted for

information –

The ~~letter~~, so with the

project for [illegible]

& with the [illegible]

dealing with the [illegible]

in this department –

the file was [illegible]

up until from 27.3.97

[illegible] 3.4.97 & [illegible]

communication [illegible]

be [illegible]

[illegible]

Public Works (1897) Department.

CURRENT No. 2087

Order

32920
16.11.96

From The Dir: General of Stores,
India Office, London

No. S. 14074

Dated 5.2.97

Received 25.2.97

Enclosures ~~one~~ 5 (4 [illegible])

Spare copies "

SUBJECT.

Forwarding for information copy of a letter from the Clerk, London County Council, expressing opinion as to the inefficiency of Improved Harden Star Grenades and the superiority of small hand pumps for use in public buildings in extinguishing fires.

o L.S. 170
13/7

P. W. 29.
2,000–16-11-96.

18-3-97 H.m. 22-3-97 H.m. 26-3-97 R 31-3-97

BACK PAPERS.

No.	Date.	
3794 C	29-10-96	✓
3291-92W	16-11-96	✓
The London Brigade Hand Fire Pump		✓
Catalogue of manual fire Engines (Shand, Mason & Co's)		✓
Fire protection of mansions by J.C. Merryweather		✓
Fire Engines & pumps by J. Stone and Co		✓
4016C	10-11-96	
1007C	19-2-97	
3291-2W	16-11-96	
3794C	29-10-96	
2456W	24-8-96	
967W	17-3-96	

FURTHER PAPERS.

No.	Date.

LONDON COUNTY COUNCIL.

Spring Gardens, S.W.
26th January 1897.

2 SP

505/21:1.

Sir,

With further reference to your letter of the 12th instant, I have to inform you that the Chief Officer of the Fire Brigade to whom your letter was handed reports that he has not known any case in which "Improved Harden Star Grenades" have done any effectual service in extinguishing fires. He expresses the opinion that small hand-pumps such as are used in England would be by far the best small appliance for use in public buildings in Madras.

I am, etc.,
(Sd) C.J. Stewart,
Clerk of the Council.

The Director General of Stores,
India Office,
Whitehall, S.W.

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I am, etc.,
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Clerk of the Council.

The Director General of Stores,
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I am, etc.,
(Sd) C.J. Stewart,
Clerk of the Council.

The Director General of Stores,
India Office,
Whitehall, S.W.

P.W. E.1/2087/47

It is requested that in any further communication on this subject the under-mentioned letter and number may be quoted, and the reply addressed to
The Director General of Stores,
India Office,
Whitehall,
London, S.W.

S.14074.

India Office,
Whitehall,
London, S.W.

5th February 1897.

18

Sir,

With reference to your letter No.3292 W. of 16th November 1896, I have the honour to enclose for your information copy of a letter from the Clerk of the London County Council.

In view of the opinion therein expressed as to the inefficiency of grenades and the superiority of small hand pumps, I have despatched to you by book post copies of price lists of three makers of such pumps which I trust will furnish you with all requisite information.

I have the honour to be, Sir,

Your obedient Servant,

E Grant Burls

Director General of Stores.

The Secretary to Government,
Public Works Department,
Madras.

Y 28347. 3 rms.—2/96. 1. 262.

P.W.E./2087/97

It is requested that in any further communication on this subject the under-mentioned letter and number may be quoted, and the reply addressed to
The Director General of Stores,
India Office,
Whitehall,
London, S.W.

S.14074.

India Office,
Whitehall,
London, S.W.

5th February 1897.

18

Sir,

With reference to your letter No.3292 W. of 16th November 1896, I have the honour to enclose for your information copy of a letter from the Clerk of the London County Council.

In view of the opinion therein expressed as to the inefficiency of grenades and the superiority of small hand pumps, I have despatched to you by book post copies of price lists of three makers of such pumps which I trust will furnish you with all requisite information.

I have the honour to be, Sir,
Your obedient Servant,
E Grant Burls
Director General of Stores.

The Secretary to Government,
Public Works Department,
Madras.

Y 28347. 3 rms.—2/96. I. 262.

Public Works (1896) Department.

CURRENT No. 9769

C/

No. 4016 C of 10.11.96

~~Order~~ memo.

The Supdg. Engr. has misapprehended the object of G.O. No. 2456 W of 24 Augt 1896, which is that a few lengths of hose should be kept in important public buildings at stations in which fire engines are available, though ~~they~~ the latter may not be attached to the buildings themselves – In case of fire, when an engine is brought up from a Police station or otherwise, the extra lengths of hose would be used to supplement the fire engine hose if necessary – However as it is stated that there are no fire engines anywhere in the I Circle beyond the one in the Dowlaishweram workshops, the S.E.'s report will be recorded. The workshop engine should be put into working order without delay –

7/11/96

To S.E. under ✓ 11/11/96

From J. C. Larminie Esq.
Supg. Engr. I Circle
To The Chief Engineer, P.W.D.
No. 1564 G.D

Dated 23.10.96
Received 30.10.96
Enclosures -
Spare copies

SUBJECT.

Fire Engine — Reports that Dowlaishweram Workshops is the only building which contains a -

To be complied with other replies after issue of memo.

Complete 7/11/96

W

12/11

BACK PAPERS.

G.O.	No.	Department.	Date.
	2456W	P.W.D.	24-8-96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 1564 G-D.

FROM

J.C. Larminie Esquire M.I.C.E.
SUPERINTENDING ENGINEER,

FIRST CIRCLE.

Enclosures. TO

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

~~WALTAIR~~,
Camp Dowlaishweram. 23. 10. 1896.

SIR,

With reference to G.O. no: $\frac{2456W}{24.8.96}$, I have the honour to report that the only building in this Circle where a fire engine is kept is the Workshops at Dowlaishweram. The Executive Engineer Eastern Division Godavari states that the Engine is so out of repair that till it is put right, a hose would be useless. I have issued orders that no time should be lost in putting it into repair, and it should never have been allowed to fall out of it.

In the papers printed with the G.O. under reply, it has apparently been lost sight of, that it is useless supplying lengths of hose to any buildings unprovided with a fire engine or other form of force pump to force

S. E. I. / 6 500--29-2-96.

FROM
SUPERINTENDING ENGINEER,
FIRST CIRCLE.

TO
THE CHIEF ENGINEER

KS DEPARTMENT.

DATED
DESPATCHED
RECEIVED } 189 .

No.

ENCLOSURES.

SUBJECT.

force water through the hose.

I have the honor to be,
Sir,
Your Most obedt S

J C Lannie
Superintending Engineer
24/10 1st Circle

Public Works (1897) Department.

CURRENT No. 1446

Order

From Major W L C Baddeley R.E.
Supdg Engineer. II Circle

No. 595 E/C

Dated 8 February 1897.
Received 10.2.97
Enclosures
Spare copies

SUBJECT.

Hose to Public Buildings — Reporting regarding the supply of —

O.L.S. 170
13/7

Compile
10.2.97

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

SUPERINTENDIND ENGINEER'S OFFICE,
SECOND CIRCLE, Bezwada

No. 595 EC

Dated 8th February 1897

From,
Major A. L. C. Baddeley R.E.
SUPERINTENDING ENGINEER,
II CIRCLE.

To,
The Chief Engineer
Public Works Department

Enclos:

Sir,

In reference to G.O. No. 2456 W of 24 August 1896, I have the honour to report as follows

2. It is in my opinion useless to keep hose in any building that is not provided with a fire engine or surrounded by hydrants.

3. All fire engines have suction and delivery hoses as part of their equipment and the hose kept in the building, even if of the right size as regards couplings would not be required.

4. The cost of supplying hose to a large number of buildings would be enormous and unless properly looked after hose soon gets spoiled.

5. I would suggest as a practical arrangement that every important building should be provided with a few fire buckets and hand grenades of which latter there used to be some in the P. W. D offices at Madras.

6. In very special cases, cisterns on the roof with pipes leading to the room below might be provided. An arrangement of this sort was put up many years ago on the roof of the Revenue Board buildings in Madras.

7. I would suggest that each case be dealt with as brought forward, & that no attempt should be made to establishing any general system of protecting buildings from fire.

I have the honour to be,
Sir
Your most Obt Servant
Wm. Ellis
Exe: Engineer
6/2/97 for Supg Engineer, II Circle

Public Works (1897) Department.

CURRENT No. 1199

Order

From the Superintg Engineer
3rd Circle
Bellary

No. 3655 W

Dated 2 February 1897
Received 3.2.97
Enclosures
Spare copies

SUBJECT.

Hose:—

Forwards list of Buildings for which a few lengths of — should be provided —

Compile

470
B3/7

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 3655W

Superintending Engineer's office
III Circle
2d. February 1897

From

W. B. de Winton Esq.,
Superintending Engineer, III Circle

To

The Chief Engineer,
Public Works Department,
Madras.

Sir,

With reference to G. O. No. 2456 W, dated 24th August 1896, which I regret has remained so long unanswered, but I have only just received the necessary information from Kurnool Division. I have the honour to point out that unless a fire engine or force pump is available, or water is laid on under sufficient pressure to force water to the roofs of buildings, the supply of "a few lengths of hose" would be quite useless.

2. At Bellary a fire engine is available and a piped water supply is in contemplation. So the supply of 200' of hose to fit the engine, to be kept at the Divisional store, would probably suffice to protect the buildings named in the margin.

1. Collector's Cutcherry at Bellary
2. Telegraph office at Bellary
3. District Court at Bellary
4. District Jail at Bellary
5. Combined offices of the Executive and Superintending Engineers, Bellary

3. At Cuddapah and Adoni water is laid on under pressure and at Kurnool it shortly will be, but in neither case, I understand, is the pressure sufficient to force water to the roofs of the buildings. It would be necessary, therefore, to have a force pump, and I would suggest that a pump and 200' of hose should be supplied to the above 3 stations, for the protection of the buildings noted in the margin.

Deputy Collector's office
Tahsildar's office
Sub Registrar's office } At Adoni in one compound
Collector's office at Cuddapah
District Court House at Cuddapah
Division office and stores at Cuddapah
Combined Taluq office and Police Station at Cuddapah
Taluq Cutcherry at Kurnool
New Police office —do—
District Court at Kurnool
Collector's office —do—

4. There are of course equally important buildings at Anantapur and elsewhere, but the water supply is generally insufficient to make it worthwhile to supply pump and hose.

I have the honour to be,
Sir,
Your most obedient Servant,
W. B. Clinton
28.1.97
Superintending Engineer
III Circ

I. S.
28/1/97.

796R

Public Works (1897) Department.

CURRENT No. 128

Order

From The Supg. Engineer, 4th Circle.

No. 656/W.

Dated 31st December 1896
Received 6.1.97
Enclosures (2) Two.
Spare copies

SUBJECT.

Hoses and Engines for safety of Public buildings.

Reports the provision of — is unnecessary in the plains.

Compile Cu/ 6.1.97

O L.S. 170
R 3/7

List of Public buildings which might be provided with hose.

Item No.	Locality	Name of buildings	Length of hose required.
1	Vellore fort	District Munsiff's Court, Post office, Taluq Cutcherry, Sub Collector's Cutcherry &c. ———	800 ft.
2	Chittoor	Huzur Treasury, Deputy Collector's office, Sub Registrar's office	350 ft.
3	Wandiwash	Taluq Cutcherry ———	100 ft.
4	Polur ———	do ———	250 ft.
5	Arcot ———	do ——— Sub Registrar's office ———	350 ft.
6	Wallajah ———	do ——— do ———	100 ft.

G Beaumont,
Executive Engineer.
7/11 [illegible]

6/111

FURTHER PAPERS.

G.O.	No.	Department.	Date.

BACK PAPERS.

G.O.	No.	Department.	Date.

ENGINEER'S OFFICE P.W.D.
No. 680 Nt
10 NOV.96

P.W. E.I
128/97

№ 3628.

Executive Engineer's Office,
Coimbatore Division
Coimbatore 24th October 1896

From
Allan A.G. Malet Esq.,
Executive Engineer,
Coimbatore Division.

To
The Superintending Engineer,
Fourth Circle, Coimbatore.

Sir,

In reply to your № $\frac{330}{C}$ of the 8th Ultimo, I have the honor to report as follows:-

The station in this Division where the most important public building are situated are:-

(1) Ootacamund
(2) Coimbatore
(3) Erode.

At Ootacamund, Government House and Army Head Quarters are, I understand, already provided for. Hydrants might be erected at suitable places on Telegraph Office Hill, Stone House Hill and Old jail Hill, and 600 Rg. ft. of hose might be be stored for general use at the Telegraph Office which is in a central locality.

This hose might be in 4 lengths of 100 feet and 4 lengths of 50 feet each.

2. At Coimbatore there are two manual fire engines. Hose would be of no use without the engines, and if additional hose is required it should be kept with the engines. I recently inspected the engine which is kept at the Taluq Office. It should be more now carefully looked after. The hose was lying on the ground and white ants had just commenced to attack it.

3. At Erode the wells are deep and unless special arrangements were made it would be no use to maintain an engine. Hose by itself would be useless.

4. The public buildings at other Cusbah stations in this Division are not numerous.

I have &c.
(True Copy) Sd/ A. A. G. Malet.
Executive Engineer

J Hannan
Superintendg. Engineer 4th Circle

P.W. E.2
128/97

No. 656/W. Supg. Engineer's Office, IV Circle,
Coimbatore, 31st December 1896.

From

J. Hannan Esq.,
Superintending Engineer,
Fourth Circle.

To

The Chief Engineer,
P. W. Department.

Encloss: 2
1 Copy of letter from the Ex. Engr. Coimbatore Dn.
1 List of Pub: Buildings from North Arcot ~~Salem~~ Dn.

Sir,

1 On receipt of G.O. No. 2456 W. dated 24th August 1896 the Division officers in this Circle were requested to submit the necessary information.

2 Up to date no information has been received from the Division Officer West Coast. He says the matter is under correspondence with his Sub Division Officers. The delay is most unsatisfactory and the matter is brought to your notice accordingly.

3 I enclose copy of a letter on this subject from the Division Officer Coimbatore. I agree with his suggestions as regards public buildings at Ootacamund. I als

Cons

Consider sufficient length of hose should be maintained at Coimbatore where there are two Manual fire Engines. But some one should be made responsible for the proper upkeep of hose & Engines. Their efficiency should be tested at least once a month, otherwise they will probably be found useless when required.

4 The only information given by the Division Officer Salem is to suggest that elevated tanks should be constructed at the wells in the vicinity of public buildings to feed the hoses where there are no pumps.

5 The ~~Salem~~ North Arcot Division Officer submits the enclosed list of public buildings which he says might be provided with hoses, but points out in his covering letter that as there are no fire Engines available in any of the localities there would be no use in providing hoses.

6 My own opinion is that the provision of hoses and Engines for the safety of public buildings in the plains is on the whole unnecessary. I have never heard of

any

any public buildings being seriously injured by fire. I think the risk of fire to buildings in the plains is so slight that it would not justify the expenditure which would be necessary in providing hose and pumping Engines and that the probabilities are that the latter would be found inefficient if ever they were required.

I have the honor to be,

Sir,

Your most obedt. Servt.,

Supg. Engineer IV Circle.

Public Works (1897) Department.

CURRENT No. 912

Order

From The Supg. Engineer
4th Circle

No. 39/W

Dated 22nd January 1897

Received 26.1.97

Enclosures —

Spare copies —

SUBJECT.

Hose — Forwards West Coast Dn. Offrs. suggestion recommending the maintenance of — for certain buildings in the Dn.

Complete
Cn 27.1.97

v.L.S.170
R 3/7

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 26 G.

Executive Engineer's office
West Coast Division,
Calicut, 15th January 1897.

From,

C. W. Wood, Esq.,
Executive Engineer,
West Coast Division,

To,

The Superintending Engineer,
Fourth Circle,
Coimbatore.

Sir,

In reply to your No. $\frac{330}{c}$ of 8th September 1896, I have the honor to report that it is advisable to keep a few lengths of hose in the following buildings.

(1) Collector's Cutcherry at Calicut.
(2) West Hill Barracks.
(3) Malapuram Barracks.
(4) Collector's Cutcherry at Mangalore.

I recommend the maintenance of hose for these 4 buildings principally as an experiment. After being handed over to the departments concerned, I doubt if it will receive any particular attention and I imagine that on this Coast it will rapidly deteriorate.

I have &ca,
(Sd) C. W. Wood
Executive Engineer.
Cpq-

No. 39/W dated 22nd January 1897.

Copy forwarded to the Chief Engineer, P.W.D. in continuation of this office No. 656/W, dated 31st December 1896.

Hamun

Supg. Engineer, 4 Circle.

Public Works (1897) Department.

CURRENT No. 219

Order

From The Supg Engineer 5th Circle

No. 2 W.

Dated 5th January 1897.

Received 8.1.97

Enclosures

Spare copies

SUBJECT.

Fire Engines.

Stating that there are no – in any of the Division comprising this Circle – & the provision of hose appears to be useless.

Compile CM 9-1-97

O.L.S. 170

R 3/7

No.

P.W.
656
W

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 2W.

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepák, 5th January 1897.

From
Lieut-Colonel C. C. Rawson R.E.
SUPERINTENDING ENGINEER, V CIRCLE,

To
THE Chief Engineer,
Public Works Department

Enclosures.

SIR,

With reference to G.O. No. 2456 W. dated 24 August 1896, I have the honour to state that, as there are no fire engines in any of the divisions comprising this Circle, the provision of hose appears to be useless. If fire engines are provided for Cuddalore, Tanjore, Kumbakonam and Negapatam, the undermentioned buildings may be supplied with hose.

At Cuddalore

1 Collector's residence
2 Collector's office including old and new portions and Treasury
3. Civil and Sessions Court

4

4 Taluq Office
5 District Registrars Office
6. Executive Engineers' Office

At Tanjore

1 Sessions Court
2 Taluq Office
3. Treasury
4 District Registrars' Office
5 Press office
6 District Police office
7 Executive Engineers office

At Kumbakonam

1 Provincial College
2 Sub Court
3 Taluq Office
4 Sub Collectors Office
5 Combined Court for the District munsiffs of Kumbakonam and Valangaman
6 Sub magistrates office
7 Sub Registrars office
8 Police station
9 Government Girls' School.

At Negapatam

St Joseph's College buildings

occupied

occupied by the Government offices.

I have the honour to be
Sir,
Your most obedient Serva

5/1/97
Lieut-Col
Superintending Engineer
5th Circle

4.1.97

From

The Superintending Engineer,

V Circle,

To

The

Dated
Recd. } 189 .

Enclosures.

No.

Public Works (1896) Department.

CURRENT No. 10087

Order

From

The Supdg Engineer
VI circle.

No. 1795 TC

Dated 5 November 1896.

Received 10-11-96

Enclosures –

Spare copies

SUBJECT.

Fire Hose: –

Informs that he cannot recommend the provision of —— for any public buildings in the circle –

Compile
11/11/96
W

EW. O.L.S. 170
R 3/7

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE,

No. 1795 TC

Trichinopoly, 5' November 1896.

5 6/-

From Lt Col. O.V. Boddy R.E.
~~The~~ Sperintending Engineer,
6th Circle.

To

The Chief Engineer,
P.W.D.

SIR,

ENCLOSURES.

With reference to G.O. No. 2456 W of 24 August 1896, I have the honor to report that no fire engines are kept in any of the municipalities in the Circle with the exception of that of Tuticorin, the fire engine at which place is said to be out of repair and consequently I do not recommend the provision of fire hose for any public buildings in the Circle.

I have the honor to be
Sir,
Your most obedt. Servant,

O.V. Boddy
Lt Col. R.E.
Supdg Engineer, VI Circle

250—20.4.26

3/11

P. W. D. 6th CIRCLE.

FROM
THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

TO
THE CHIEF ENGINEER,

NO.

Dated.
Received. 189 .

Enclosure.

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lic Works (1896) Department.

CURRENT No. 9000

er

From The Consulting Architect
to the Government
of Madras

No. 3489

Dated 5th October 1896
Received 7.10.96
Enclosures 1
Spare copies

SUBJECT.

Submitting a list of public buildings in charge Consulting Architect to Govt:, which should be provided with a few lengths of hose

Compile
Cur
9000/96

8. L. S. 170
13/7

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BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

List of Public Buildings in Madras in charge of the Consulting Architect Division which should be provided with a few lengths of hose.

1 New High Court
2 Old High Court
3 Offices of the Inspector General of Registration &c
4 Sea Custom House
5 Her M's Penitentiary
6. General Hospital.
7 Medical College.
8 Government Press building
9 Medical Stores.
10. Office of the Inspector General of Police
11. Government Maternity Hospital.
12 Government Opthalmic Hospital
13 Government Observatory.
14 School of Arts.
15 Police Commission's Office & quarters
16 Connemara Library and connected buildings.

2/10/96 Lt Col R.E.
Ag Consulting Architect to Govt

0858.1
9000/96

C. A.
1 a. 2,000- 13-7-55.

Office of the Consulting Architect to Govt.,
Chepauk, Madras,

No. 3489

5th October 1896.

From Lt: Colonel C. C. Ransom RE
~~Henry Irwin, Esq., C.I.E.,~~
Ag: Consulting Architect
to the Government of Madras,

To
The Chief Engineer
Public Works Department

Sir,

1 Enclosures.

With reference to G. O. No. 2456 dated 24th August 1896, I have the honour to forward a list of Public buildings in this Division which should be provided with a few lengths of hose.

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

CCRanson
2/10/96
Lt: Colonel RE
Ag: Consulting Architect to Govt.

To The Chief Engr. P.W.D

No 85 W.

P. W. Current No: 253

SUPERINTENDING ENGINEER'S OFFICE
No. 155.W.
22 FEB 1897

Recd: 10.3.97

The General Supt. P.W. Stores reports that:—

(1) Hoses, canvas, tanned, delivery, inlined with India rubber, $2\frac{1}{2}$ inches internal diameter, in 100 feet lengths, fitted with gun metal couplings, $2\frac{1}{4}$ inches water way, cost £ 5. 9.2 per hose (100 feet)

Hose canvas, tanned, nlined with I.R., internal diameter $2\frac{3}{4}$ inches full, in 0 ft lengths, costs 1s. $8\frac{1}{2}$d. er foot. (£ 8-10-10 per 100 feet)

Hose, I.R. 5 ply suction with G.I. spiral, No5. S.W.G. 3" internal diameter of piral, in lengths of 10 feet, itted with G.M. couplings " water-way, cost 55 s. 9d. er hose. (£ 27-17-6 per 100 feet)

7.2.97

Lt. Colonel R.E.
Supg. Engineer, 3rd Circle

No: 1007C, d/19-2-97 & papers
22.2.97

O.L.S.170
R 3/7

GO 9456-W
14.2.98

3-97 R 22-3-97

Hose

No. 1007 C

x with Circ 208

Sent to S.E.V. on
2/3

Gobernment of Madras.

PUBLIC WORKS DEPARTMENT.

Madras, 19th Feby 1897.

OFFICE NOTE.

From

The Chief Engr. P.W.D.

To

The Supt. Engr. V Circ

With reference to the replies received to G.O. No. 2456 W dated 2 August 1896, please report, if possible, th price, if obtained throu the India office, of fire hose per runn foot, or per 100 runn feet.

J. M. Campbell Colonel R.E.
Chief Engr.

Ch

T

P.T.O

(48—1,000—17-12-95.)

6