(1) பக்கங்களின் எண்ணிக்கை 22.

(2) புதுக்கித் திருப்பிய நாள் 11.92

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். 1017
மு. கோப்புத் தாள் எண்.

அச்சகம்
பலவகை

நாள் : 13-4-1893

198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

1012
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From W. P. AUSTIN, Esq., I.C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 18th March 1893, No. 4496.

I have the honour to submit, for the information of Government, copy of a letter from the Board's Engineer, No. 1080, dated 22nd February, proposing a slight modification in the pier heads on either side of the harbour entrance, which will, it is anticipated, save time and money and give an entrance 520 feet wide instead of 500.

2. This proposal was considered by the Board at its meeting last evening, and, as the extra width of entrance is in accordance with the expressed views of Sir Alexander Rendel and the advantages of saving time and money are obvious, the proposals of their Engineer meet with the Board's unanimous approval.

3. I annex copy of resolution passed and submit, herewith, the plan which accompanied the Engineer's letter and request that a reference may be made to the Right Honorable the Secretary of State for India and that sanction may be telegraphed for the proposed modification of the pier heads should the proposal meet with Sir Alexander Rendel's approval.

ENCLOSURES.

From A. LEE POGSON, Esq., Engineer, Harbour Trust Board, to the Chairman, Harbour Trust Board, dated Madras, 22nd February 1893, No. 1080.

I have the honour to report to you that, since my return to the works, I have, from the progress now made at both piers and since the work has approached near the old pier heads of the ruined old work, been better able to finally decide as to the best and most expedient way to complete each pier head with a caisson for the eastern entrance, and, after carefully going into working details, I am of opinion that considerable time and money will be saved in construction by fixing the final width of the entrance as near as possible to 520 feet, or 20 feet wider than the altered width of entrance sanctioned upon Sir A. M. Rendel's minute of 25th February 1890, recorded in Board's Proceedings of the same date, and in which he says: "I have most strongly to recommend that it may be made not less than 500 feet and had it been possible I should have preferred to see it made 550 feet wide."

2. The original width of entrance was 550 feet; but, after the cyclone of 1881, Mr. Parkes suggested narrowing it to 450 feet. During reconstruction Sir A. Rendel visited the works and from the facts I placed before him that there were at times strong currents across the entrance he proposed a wider entrance, viz., 500 feet, which was decided upon; but now that I have been able to thoroughly survey the work from the fixed piers, due to the closer proximity of the new work, I find that some of the old work will have to be blasted and raised to make the entrance 500 feet.

3. The position of the caissons for an entrance 500 feet wide is shown on the plan now submitted in a black line; but, by bringing the caissons back six curves or 32 feet 3 inches at each pier as shown in red, much of the removal of the old pier will be avoided, which means a saving in time, cost of completion, and at the same time a slightly wider entrance will be procured, which is, I consider, advisable owing to the strong currents and the still increasing length of vessels now being built, and should there be any accidents to vessels while entering or leaving the harbour, the extra 20 feet in width of entrance will add greatly to their safety and free entrance.

4. It may be possible with this proposed saving in length of permanent wall that I may be able to set the north pier caisson this year, and to enable me to prepare to do so, should progress be as rapid as I expect, I have to ask that this alteration may be forwarded with the Trustees' approval to Government for very early sanction and submission to the Secretary of State for India for Sir A. Rendel's early approval by wire.

EXTRACT of Proceedings of the Trustees of the Harbour of Madras at a meeting held at the offices of the Board on Friday, the 17th day of March 1893.

* * * * *

7. Read letter from the Board's Engineer, No. 1080, dated 22nd February, suggesting that the width of the entrance to the harbour should be 520 feet instead of 500 and examined plan, received 10th March, showing details.

Read minutes by Major O. V. Boddy, R.E., Messrs. C. Seton and H. M. A. Badsha Saib.

Approved and resolved that the Chairman be requested to address Government.

* * * * *

(True Extract.)

(Signed) C. PINSENT,
Secretary, Harbour Trust Board.

No. 579, Marine.

Transferred to the Public Works Department.

(Signed) C. A. GALTON,
Ag. Chief Secretary.

24th March 1893.

ORDER—dated 13th April 1893, No. 1017 W., Public Works.

Ordered that the proposed modification of design of the pier heads of the Madras Harbour be laid before the Right Honorable the Secretary of State for approval.

[Here enter No. $\frac{2}{1017}$ W., Public Works, dated 13th April 1893.]

(True Extract.)

(Signed) G. T. WALCH,
Ag. Secretary to Govt., P. W. D.

To the Chairman, Harbour Trust Board.
" Marine Department.

Exd. A. D. Xavier.
Spare Copies

1017/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated April, 13th.

Read. *Encl.*

G.O., 13th Apr. 1893, No. 1017 W.

APRIL.

Madras Harbour

The proposed modification of design of the pier heads of the — ordered to be laid before the Secretary of State for approval.

13TH APRIL 1893, No. $\frac{2}{1017}$ W., PUBLIC WORKS.

1017/3

PUBLIC WORKS DEPARTMENT.

LETTER—to

THE RIGHT HONORABLE THE SECRETARY OF STATE FOR INDIA.

MY LORD,

We have the honour to forward, herewith, a proposal which has been submitted by the Trustees of the Madras Harbour for a slight modification of the design of the pier heads, by which the width of the entrance to the harbour will be increased from 500 to 520 feet, while both time and money in construction will be saved. Should the proposal be approved by the Consulting Engineer in London, we hope that the earliest possible intimation may be sent to us by telegraph in order that the progress of the works may not suffer.

We have the honour to be,
My Lord,
Your Lordship's most obedient, humble servants,

(Signed) WENLOCK.
(„) H. E. STOKES.
(„) J. H. GARSTIN.

FORT ST. GEORGE,
13th April 1893.

Exd. A. D. Xavier.
Spare Copies

1012

GOVT. OF MADRAS.

PUBLIC WORKS DEPARTMENT.

(Copy.)

LETTER to the Right Honorable the Secretary of State for India.

No. $\frac{2}{1017\ W.}$, dated 13th April 1893.

FORWARDING a proposal for a slight modification of the design of the pier heads of the Madras Harbour and requesting that the approval of the Consulting Engineer in London to the same may be intimated by telegraph.

1012/5

Two Despatches for signature in Council of the 12th Instt.

CHIEF SECRETARY'S GOVERNMENT OF MADRAS 11 APL 93

Forwarded to the Hon. the Chief Secretary with request that he will kindly take the papers into Council. The P.W. Secretary being out of Madras.

Major R.B.
Under Secretary P.W.D.
11th April 93

Signed & returned

ZDB.
12/4

1612

Harbour Trust Board Office.
Madras, 18th *March* 1893.

No. 4496

From

WARE AUSTIN, Esquire, I.C.S.,
Chairman, Harbour Trust Board,
Madras.

To

The Hon'ble Mr. C. A. GALTON, M.A., I.C.S.,
Chief Secretary to Government,
Marine Department.

Sir,

I have the honor to submit for the information of Government, Copy of a letter from the Board's Engineer, No. 1080, dated 22nd February, proposing a slight modification in the Pier heads on either side of the Harbour entrance, which will, it is anticipated, save time and money and give an entrance 520 feet wide instead of 500.

This proposal was considered by the Board at its Meeting last evening and as the extra width of entrance is in accordance with the expressed views of Sir Alexander Rendel: and the advantages of saving time and money are obvious: the proposals of their Engineer meet with the Board's unanimous approval.

I annex copy of resolution passed: and submit herewith the plan which accompanied the Engineer's letter: and request that a reference may be made to the Right Honorable the Secretary of State for India, and that sanction may be telegraphed for the proposed modification of the Pier heads, should the proposal meet with Sir Alexander Rendel's approval.

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

Secretary.

Chairman.

No. 1080.

From

THE ENGINEER,
Harbour Trust Board, Madras.

To

THE CHAIRMAN,
Harbour Trust Board, Madras.

MADRAS, *22nd February* 1893.

SIR,

I have the honor to report to you, that since my return to the works, I have, from the progress now made at both Piers, and since the work has approached near the old Pier Heads of the ruined old work, been better able to finally decide as to the best and most expedient way to complete each Pier Head with a Caisson for the Eastern entrance; and after carefully going into working details, I am of opinion that considerable time and money will be saved in construction by fixing the final width of the entrance as near as possible to 520 feet, or 20 feet wider than the altered width of entrance sanctioned upon Sir A. M. Rendel's minute of 25th February 1890 recorded in Board's Proceedings of the same date, and in which he says, "I have most strongly to recommend that it may be made not less "than 500 feet, and had it been possible I should have preferred to see it made "550 feet wide."

2. The original width of entrance was 550 feet; but after the Cyclone of 1881 Mr. Parkes suggested narrowing it to 450 feet. During reconstruction Sir A. Rendel visited the works, and from the facts I placed before him, that there were at times strong currents across the entrance, he proposed a wider entrance *viz.*, 500 feet, which was decided upon; but now that I have been able to thoroughly survey the work from the fixed piers, due to the closer proximity of the new work, I find that some of the old work will have to be blasted and raised to make the entrance 500 feet.

3. The position of the Caissons for an entrance 500 feet wide is shown on the plan now submitted in a black line; but by bringing the Caissons back six curves or 32′ 3″ at each pier as shown in red, much of the removal of the old pier will be avoided, which means a saving in time, cost of completion, and at the same time a slightly wider entrance will be procured; which is, I consider, advisable, owing to the strong currents and the still increasing length of vessels now being built; and should there be any accidents to vessels while entering or leaving the harbour, the extra 20 feet in width of entrance will add greatly to their safety and free entrance.

1012

4. It may be possible with this proposed saving in length of permanent wall, that I may be able to set the North Pier Caisson this year; and to enable me to prepare to do so, should progress be as rapid as I expect, I have to ask that this alteration may be forwarded with the Trustees' approval to Government, for very early sanction, and submission to the Secretary of State for India for Sir A. Rendel's early approval by wire.

I have the honour to be,
Sir,
Your obedient servant,
A. LEE FOGSON,
Engineer, Harbour Trust Board.

Extract of Proceedings of the Trustees of the Harbour of Madras, at a Meeting held at the Offices of the Board on Friday the 17th day of March 1893.

* * *

7. Read letter from the Board's Engineer, No. 1080, dated 2nd February, suggesting that the width of the entrance to the Harbour should be 520 feet instead of 500; and examined plan, received 10th March, showing details.

Read minutes by Major O. V. Boddy, R. E., Messrs. C. Seton and H. M. A. Badsha Saib.

Approved and resolved that the Chairman be requested to address Government.

* * *

(True Extract.)

C. PINSENT,
Secretary, Harbour Trust Board.

1017/69

CURRENT No 248

MARINE DEPARTMENT.

From

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

DATED } 18th March 1893.
DESPATCHED } 22nd " "
RECEIVED " "

ENCLOSURE:—One plan

No. 4496

SUBJECT.

Entrance to the Madras Harbour.

Submitting for approval proposed Modifications of the Pier heads at the

LAWRENCE ASYLUM PRESS.

No 1017 dd 13 April 1893 B P R civil wks

PUBLIC WORKS DEPARTMENT.

1017/10

PROCEEDINGS OF THE MADRAS GOVERNMENT.

60

READ the following

From the Chairman, Harbour Trust Board, No: 449 dd 18 March 1893
Endorsement by the Marine Department, No: 579 dd 24 March 1893.

Ordered that the proposed modification of design of the Pier heads of the Madras Harbour be laid before the Right Honorable the Secretary of State for approval.

To The Chairman, Harbour Trust Board
" Marine Department.

No 1017 dd 13-4-93

The Right Honorable
the Secy of State for India

May Lord,

We have the honor to forward herewith a proposal which has been submitted by the Trustees of the Madras Harbour for a slight modification of the design of the Pier heads by which the width of the entrance to the harbour will be increased from 500 to 520 feet, while both time and money in construction will be saved. Should the proposal be

be approved by the Consulting Engineer in London, we desire 10522
that the earliest possible intimation may be sent to us by telegraph in order that the progress of the works may not suffer.

P. 31/3/93

R 20/4/93

1017/12

C.W. 2856

Govt. of {1893} Madras.

PUBLIC WORKS.

Dupl.

Dupl. Encl.

G.O. No. 13 Apl 1893 No. 1079

Madras Harbour

=

The proposed modification of design of the fair heads of the — moved to be laid before the Secy of State for approval

— do —

Forwarding approval for a slight modification of the design of the fair heads of the — & requesting that the approval of the Engineer in London to the same may be intimated by telegraph