(1) பக்கங்களின் எண்ணிக்கை 16

(2) புதுக்கித் திருப்பிய நாள் டிசம்பர் 1989

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுநிர்வாகத் துறை

அரசாணை எண்.	1525	அச்சகம்
மு. கோப்புத் தாள் எண்.		பலவகை

நாள் : 30-5-1890 19 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,000—15-6-87.

1/1525

30TH MAY 1890, No. 1525 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

From G. McWATTERS, Esq., M.A., C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, Marine Department, dated Madras, 29th April 1890, No. 1673.

I have the honor to submit herewith, for the information of Government, copy of a letter from the Board's Engineer, together with a statement and plan (in duplicate) showing the progress made upon the Madras Harbour Works for the quarter ending 31st March 1890; also copy of Resolution No. 6, dated 25th instant.

ENCLOSURES.

From A. LEE POGSON, Esq., Engineer, Harbour Trust Board, to the Chairman, Harbour Trust Board, dated Madras, 25th April 1890, No. 80.

I have the honor to forward herewith a plan, in triplicate, showing the progress made on these works during the quarter ending 31st March 1890. The detailed statement of quarterly expenditure will follow in due course in the usual form.

Progress Statement No. 3.

MADRAS HARBOUR WORKS.

STATEMENT showing progress during quarter ending 31st March 1890 as shown on accompanying lithographed plan No. 3.

No. of item.	Particulars and quantity of work, &c.	Sub-heads of work.	North Pier. Rubble base.	North Pier. Superstructure.	North Pier. Wavebreaker.	North Pier. Concrete blocks, Middle Pier, Base portion.	North Pier. Concrete blocks, Middle Pier, Pier Head portion.	South Pier. Rubble base.	South Pier. Superstructure.	South Pier. Wavebreaker.	South Pier. Concrete blocks, Middle Pier, Base portion.	South Pier. Concrete blocks, Middle Pier, Pier Head portion.	Retaining wall.	Concrete blocks.	Hauling blocks at quarry.	Railway lines at quarry.	Railway lines — Portable.	Railway lines — Fixed lines (Local improvements).	Protective works.	Expenditure during quarter ending 31st March 1890.
		Column	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Rubble stone deposited from boats	Tons.	2,544½	..	..	..	..	3,167½	..	..	..	..	..	..	..	..	..	..	11,989½	..
2	Do. do. from wagons	,,	997½	..	..	..	..	111½	..	..	..	..	..	..	..	..	..	..	..	..
3	Total quantity rubble stone received on works	,,	..	..	..	..	..	..	..	..	..	..	5,226 / 1,035	..	..	..	..	..	..	..
4	Do. do. blasted chips do.	,,	..	..	..	..	..	..	..	..	..	..	9,143½ / 6,958	..	..	..	..	..	..	..
5	Do. do. large stones do.	,,	63	..	..	..	..	..	..	..	..	..	11,989	..	..	..	..	..	..	..
6	Concrete blocks, set by divers	Number.	..	494 / 486	..	..	..	..	490 / 123	..	..	..	..	..	..	..	..	..	..	..
7	Do. deposited in wavebreaker	,,	..	..	76	..	..	..	..	295 / 157	..	..	..	..	..	..	..	..	..	..
8	Do. made for superstructure	,,	..	..	..	..	..	..	..	..	..	..	367 / 97	..	..	..	..	..	..	..
9	Do. do. wavebreaker	,,	..	..	..	..	..	..	..	..	..	..	172 / 331	..	..	..	..	..	..	..
10	Wrought-iron cramp fixed in position	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	Total outturn of concrete	C. yds.	..	..	..	..	..	..	..	..	..	92	9,149 / 7,912½	..	..	..	..	..	..	..
12	Advance or progress of completed superstructure	Ry. ft.	..	299 / 305	..	..	..	..	309 / 76	..	..	..	..	..	..	..	..	..	..	..
13	Rubble base protected with concrete	,,	..	..	..	..	..	..	..	..	..	83	..	..	..	..	..	..	5,475	..
14	Metre gauge, 40 lb. per yard laid new	,,	..	586 / 774	..	..	..	..	..	..	..	..	..	..	..	..	..	..	740	..
15	Do. do. do. relaid or renewed.	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	Do. do. do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	55 / 141	..	..	..	..
17	Broad gauge, 50 lb. per yard laid new	,,	..	589	..	..	..	483 / 580	..	..	..	..	..	..	..	..	..	..	..	..
18	Do. do. do. relaid or renewed.	,,	..	442½	..	..	..	170	..	..	..	..	..	1,250 / 1,800	..	..	..	..	..	..
19	Do. do. do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	50	..	..	..	..
20	Titan gauge, 75 lb. per yard laid new	,,	..	72	..	..	..	276	..	..	..	..	..	..	..	..	..	..	..	..
21	Do. do. do. relaid or renewed.	,,	..	..	..	..	..	1,310	..	..	..	..	..	..	..	..	..	..	..	..
22	Do. do. do. taken up	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	.....	,,	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	Approximate expenditure under sub-heads of work	Rs.	4,623	10,565	..	39	..	102	9,721	1,969	146	899	31,025	80,714	15,634					1,55,437

	Tons	Cwts.	Qrs.	Lb.		Tons	Cwts.	Qrs.	Lb.
14,205½ Casks of cement received on works during quarter ending 31st March 1890 containing..	2,536	13	0	4	Quantity due on indents.				
6,743½ do. issued for do. do. 31st ,, ,, ,, ..	1,204	13	1	9	Dated 20th September 1889 ..	2,054	12	3	12
14,694½ do. balance in store at end of do. 31st ,, ,, ,, ..	2,624	1	1	27					

Column A.—Item Nos. 2 and 5.—*997¼ tons of rubble was deposited from wagons at the north pier to bring the base up to the required section beneath the wavebreaker, and 63 tons of rubble was added by blasting old blocks recovered from the old pier head by the pontoon.*

Do. B.—Item Nos. 6 and 12.—*Excellent progress was made at the north pier during the quarter, and although the length of superstructure built was in excess of any previous quarter, greater progress might have been made had there been sufficient locomotive power.*

Do. F.—Item No. 2.—*Only 111½ tons of rubble was required at the south pier under the wavebreaker as the rubble base at the south pier was made up recently.*

Do. G.—Item Nos. 6 and 12.—*The south pier superstructure being far in advance of the north pier and locomotive power being limited, all attention was turned to greater progress at the north pier. The quarter's progress at the south pier in addition to the length of ordinary superstructure built, closed by 12½ feet of the Pier Head having been built to a section of three blocks wide with deeper foundations in accordance with my design accepted by Sir A. Rendel, K.C.I.E., Consulting Engineer to the Secretary of State, on the 25th February 1890. The remaining special blocks are being made with as little delay as possible.*

Do. H.—Item No. 7.—*Only 157 wavebreaker blocks were required at the south pier this quarter against 295 deposited last quarter, as less superstructure had to be protected.*

Do. J.—Item Nos. 11 and 12.—*83 Ry. feet of rubble base was paved with concrete in accordance with my proposal in lieu of concrete in bags which met with Sir A. Rendel's, K.C.I.E., approval. This work will be pushed on with during the monsoon on days when the sea is perfectly calm, as the titan cranes are not required for the work and will not be in danger during cyclones. The divers will also be kept employed all the year round in future, which will show a saving upon the estimated cost of works.*

Do. Q.—Item No. 2.—*11,989½ tons of large stone was deposited in extending the revetment at Cassimode, which has already secured a large amount of sand and prevented further erosion. This work will be completed early in May.*

MADRAS,
19th April 1890.

(Signed) A. LEE POGSON,
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 25th day of April 1890.

* * * * *

6. Read progress statement No. 3, from the Board's Engineer, dated 19th April 1890, reporting progress upon the Harbour Works during the quarter ending 31st March 1890, and examined plan attached.

Resolved,—that this report be submitted to Government.

* * * * *

(True Extract.)

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

Transferred to the Public Works Department.

(Signed) J. F. PRICE,
Chief Secretary.

3rd May 1890.

ORDER—dated 30th May 1890, No. 1525 W., Public Works.

The report will be forwarded to the Secretary of State for India.

(True Extract.)

(Signed) R. E. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

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

Exd. P. I. Pereira.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated May, 30th.

Recd. *Encl.*

G.O., 30th May 1890, No. 1525 W.

MAY.

Madras Harbour Works

Ordered that the progress report of the —, for the quarter ending 31st March 1890, be forwarded to the Secretary of State for India.

11. CN 49

Harbour Trust Board Office.

3/1525

MADRAS, 29th April 1890.

No. 1673

FROM Geo: McWatters Esquire c.s. M.C.S.

CHAIRMAN, HARBOUR TRUST BOARD,
MADRAS.

To

The Honorable J. F. Price C.S.

CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

Sir,

I have the honor to submit herewith for the information of Government copy of a letter from the Board's Engineer together with a statement and plan (in duplicate) showing the progress made upon the Madras Harbour Works for the quarter ending 31st March 1890; also copy of resolution No. 6 dated 25th instant.

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

Geo: McWatters
Chairman
Harbour Trust Board

4/
1525

C. 440

2 3d May 1890

Transferred to the Public Works Department

Sd/ Illegible
Chief Secretary.

Rec. 5.V.90.
" 12.5.90.

C. N. 407

MARINE DEPARTMENT.

FROM

THE CHAIRMAN,
HARBOUR TRUST BOARD,
MADRAS.

To

THE CHIEF SECRETARY TO GOVERNMENT,
Marine Department.

Dated 29 } April 1890
Received 30 }

Enclosure 5 (5)

No. 1673

SUBJECT.

Submitting for the information of Government Copy of Engineer's No 80 dy 25-4-90 together with a Statement and plan (in duplicate) showing Progress made upon the Madras Harbour works for the Quarter ending 31st March 1890

S.O No. 910 W dy 20-3-90
" " 479 W " 14-2-90
" " 419 W " 8-2-90
3/419 W " 8-2-90

No. 80 Encl

From

The Engineer
Harbour Trust Board
Madras

To

The Chairman
Harbour Trust Board
Madras

Madras, 25th April 1890

Sir

I have the honor to forward herewith a Plan in triplicate showing the Progress made on the Works during the quarter ending 31st March 1890. The detailed statement of quarterly expenditure will follow in due course in the usual form.

I have &c

(Signed) A. Lee. Pogson
Engineer, Harbour Trust Board

True Copy

C. Smitht
Secretary
Harbour Trust Board

Encls

Encl. 4 to

EXTRACT of Proceedings of the TRUSTEES OF THE HARBOUR OF MADRAS, at a Meeting held at the Offices of the Board on Friday the 25th day of April 1890. 6/1525 Tank

× × ×

6. Read progress Statement No 3 from the Board's Engineer, dated 19th April 1890, Reporting progress upon the Harbour Works during the Quarter ending 31st March 1890, and examined plan attached.

Resolved, that this report be submitted to Government.

× × ×

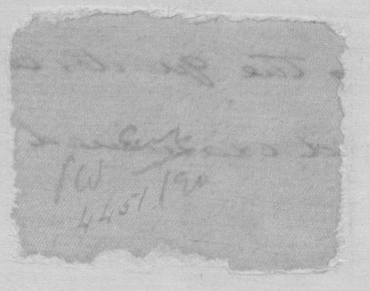
(True Extract)

C Prevost

Secretary
Harbour Trust Board

Vide

Mm LW 4/7/90



P.W. 445/90

P.W. Revd
cover Revd

PUBLIC WORKS DEPARTMENT.

7
1525 Ro/1525

PROCEEDINGS OF THE MADRAS GOVERNMENT.

30th May/90

5

READ the following

From the Chairman Rr. H. J. Bd No 1673 of 29 = Apl 1890
Govt Review in the Marine Dept — 27 3. 5. 90.

The report will be forwarded to the Secy of State for India.

To The Chairman R. H. J. Bd
" Marine Dept.

H.E. No W87

To The Rt. Hon. The S. of S. for India

1165
8 May

My Lord,

In continuation of our despatch No 3/419 W dated 8th February 1890, we have the honour to forward a Copy of our Proceedings No 1525 W 87 30th May 1890, enclosing a report of the proceedings of

of the Madras Harbour Works for the quarter ending 31st March 1870.

2. This report has been prepared in a new form which was approved by Sir Alexander Rendel during his recent inspection of the Works - A copy of our Proceedings No 910 W dated 20th March 1870 on the subject is enclosed for information -

3. A plan showing the state of the works at the end of the Quarter is forwarded herewith - The usual statement comparing expenditure with the same time estimate will follow

We have &c

Rivett
6.5.70

Cir

0255-V MW-V
MW-7-V

4451.

Govt. of 18 | Madras.

PUBLIC WORKS.

Initial

Recd. Encl.

G.O. 30/5/1890 No. 1525 W
8
1525

Madras Harbour Works.

Ordered that the Progress Report of the ——, for the quarter ending 31st March 1890. be sent to the Secy. of State for India.

—

Forwd. the progress report of the Madras Harbour works for the quarter ending 31st March 1890.

10/3