(1) பக்கங்களின் எண்ணிக்கை 8

(2) புதுக்கித் திருப்பிய நாள் 31.1.90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

182

தமிழ்நாடு அரசு

P.W.D. துறை

அரசாணை எண். மு. கோப்புத் தாள் எண். 1423	அச்சகம் பலவகை
நாள் : 26-5-1891	198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

4 - Sheets

ஆவண, கா-1—18,000—15-6-87.

1758 12-5-91 1423/1

QUARTERLY PROGRESS REPORT.

As shown in the tabular statement all masonry works are completed, with the exception of the repairs to the injured walls of Dock No. 1, which have been taken in hand and are being carried out in the manner recommended by the Committee. The excavation of the Tidal Basin and Dock No. 1 still remaining will have to be done by dredging, which will be very soon begun.

Subsidiary Works.

Hydraulic engine station is finished, and an addition is being made to it for the accommodation of the electric lighting plant, most of which has been received from England.

The main pumping station is completed.

The graving dock pumping engines have been erected, and the house for their accommodation is being built over them.

The iron work for the cargo sheds is shortly expected from England, and when it arrives, erection will be at once put in hand.

On the boat canal. The lift lock is finished; the lock and supply sluice at Chetla is also complete, with the exception of the gates and over bridge, which are in course of erection; also some revetments remain to be done. The two road bridges are open to traffic, and the foot bridge across the lift lock at the Budge-Budge road is in hand. The canal is done with the exception of the removal of cross dams. The canal down the centre of site of Dock No. 2 is being excavated.

The 10th April 1891.

J. H. APJOHN,
Engineer, Port Trust.

KIDDERPORE DOCK WORKS.

Progress Report for the quarter ending 31st March 1891.

ESTIMATE.	Subhead.	Estimated quantity.	Executed to end of previous quarter.	Executed during the quarter.	Total executed up to end of quarter.	PERCENTAGE OF WHOLE ESTIMATED QUANTITY.		
						Done during the quarter.	Done up to end of quarter.	Remaining to be done.
Sixty feet lock	Excavation ... ... C. ft.	7,903,077	6,304,376	130,000	6,434,376	1·6	Completed.	
	Masonry ... ... ,,	2,229,490	2,188,307	64,589	2,254,896	2·9	Completed.	
	Square feet of foundation ... ... S. ft.	73,000	78,383	Nil	78,383		Completed.	
Eighty feet entrance ...	Excavation ... ... C. ft.	2,097,168	2,131,060	170,000	2,301,060	6·3	Completed.	
	Masonry ... ... ,,	711,071	715,060	Nil	715,060		Completed.	
	Square feet of foundation ... ... S. ft.	27,000	28,045	Nil	28,045		Completed.	
Double entrance to Dock No. 1.	Excavation ... ... C. ft.	4,101,750	4,029,456	Nil	4,029,456		Completed.	
	Masonry ... ... ,,	1,705,471	1,600,000	Nil	1,600,000		Completed.	
	Square feet of foundation ... ... S. ft.	70,000	62,213	Nil	62,213		Completed.	
Tidal Basin	Quay wall foundation ... R. ft.	2,140	1,905	Nil	1,905		Completed.	
	,, ,, masonry ... C. ft.	2,011,000	1,917,892	38,270	1,956,162	1·9	Completed.	
	Excavation, including that for quay wall foundation ... ... ,,	23,601,352	16,943,358	2,347,790	19,291,148	9·9	81·7	18·3
Graving Dock	Excavation ... ... ,,	5,830,729	5,533,192	Nil	5,533,192		Completed.	
	Masonry ... ... ,,	1,228,160	1,243,652	42,522	1,286,174		Completed.	
	Square feet of foundation S. ft.	60,000	60,716	Nil	60,716		Completed.	
Government Graving Dock.	Excavation ... ... C. ft.	2,404,500	2,247,231	Nil	2,247,231		Completed.	
	Masonry ... ... ,,	631,922	625,990	8,132	634,122	1·3	Completed.	
	Square feet of foundation S. ft.	35,000	31,080	Nil	31,080		Completed.	
Dock No. 1	Quay wall foundation ... R. ft.	6,435	6,434½	Nil	6,434½		Completed.	
	,, ,, masonry ... C. ft.	5,829,110	5,966,598	42,320	6,008,917		Completed.	
	Excavation, including that for quay wall foundation ... ... ,,	72,600,150	65,724,404	Nil	65,724,404	Nil	91·3	8·7
Boat Canal	Excavation ... ... ,,	43,976,851	36,255,450	720,274	36,975,424	1·7	84·1	15·9
	Masonry ... ... ,,	1,754,216	1,369,761	178,752	1,548,513	10·1	Completed.	

The 7th April 1891.

J. H. APJOHN,
Engineer, Port Trust.

Health Return compiled from the monthly Report of the Medical Officer for the months of January, February and March 1891.

Month.	Daily average number of workmen.	Daily average number of cases under Medical treatment.			Deaths.							Mortality per 1,000 of population per annum.
					In hospital.			Out of hospital.				
		Cholera.	Other diseases.	Total.	Cholera.	Other diseases.	Total.	Cholera.	Other diseases.	Total.	Total deaths.	
1891.												
January	4,433	6	55	58·5	1	3	4	1	5	6	10	27·06
February	5,636	1·5	63·5	64	4	1	5	4	3	6	11	22·61
March	4,084	·25	45·25	45·5	1	3	4	2	4	6	8	23·5
Average total divided by three months.	4,784	·75	50·25	51	2	2·3	4·3	2·3	3	5·5	9·6	24·39

Mohendro Nath Biswas, *Medical Officer.* O. C. Raye, M.D., *Surgeon.* J. H. Apjohn, *Engineer, Port Trust.*

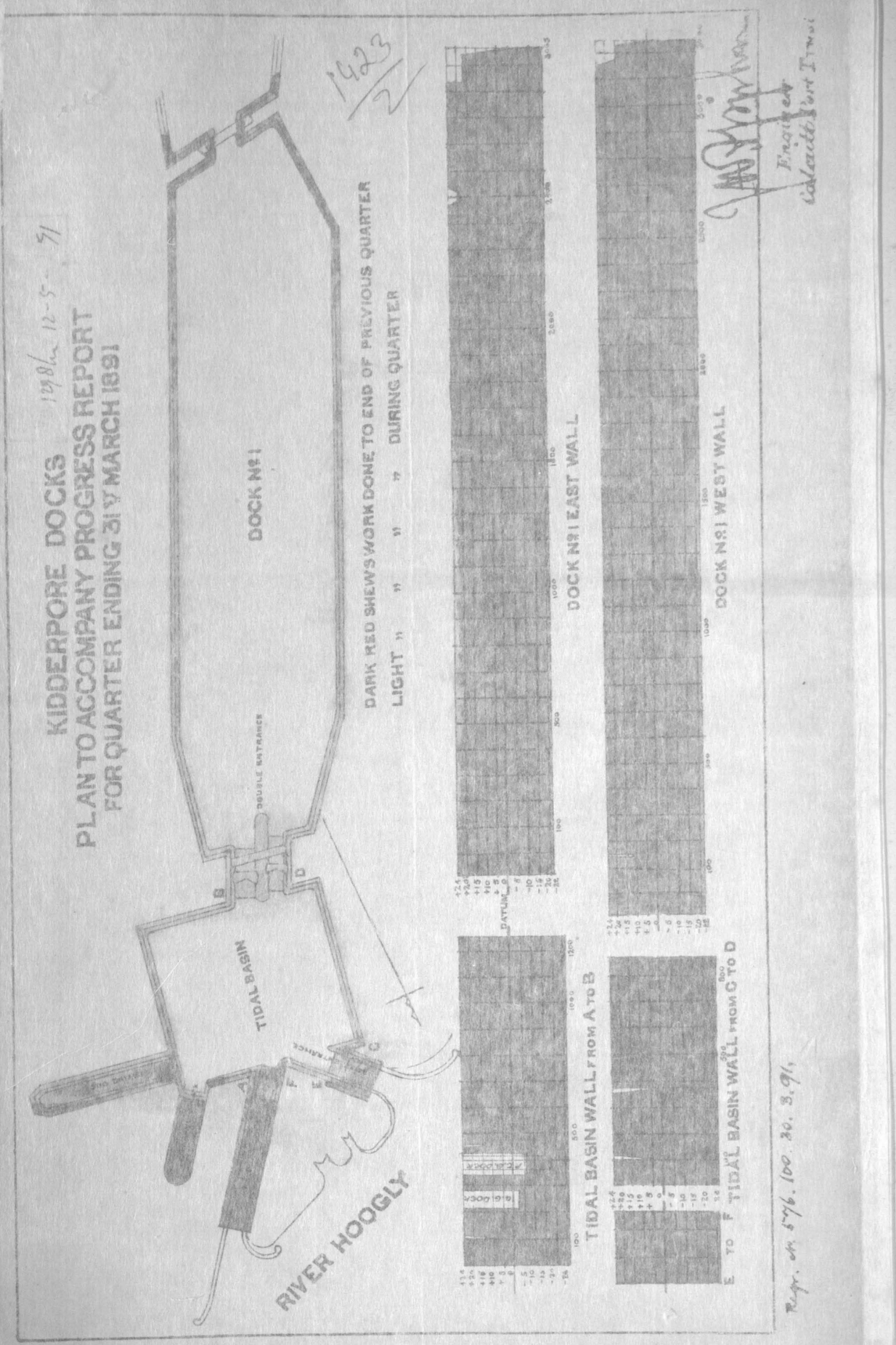
Statement detailing the expenditure incurred on the Dock Works to the end of March 1891.

Particulars.	Amount.	Total.	Remarks.
	Rs. A. P.	Rs. A. P.	
Works	1,89,97,841 3 6		
Land	25,58,734 5 2		
Total ...	.....	2,15,56,575 13 8	

J. H. Apjohn, *Engineer, Port Trust.*

The 7th April 1891.

C. A. P.—Reg. No. 1136C—125—13-5-91.



1423/3

QUARTERLY INSPECTION OF KIDDERPORE DOCK WORKS.

Dated Calcutta, the 29th April 1891.

From—Lieut.-Col. A. D. McArthur, R.E., and H. N. C. Cloete, Esq.,
To—The Secretary to the Government of Bengal, Public Works Department.

We have the honour to report that, in accordance with the orders of the Government of Bengal received with the Under-Secretary's letter No. 1054M. of the 21st instant, we made the sixteenth quarterly inspection of the Kidderpore Dock Works on the 27th idem.

The usual tabular statement and the index plan showing the work done during the quarter ending 31st March 1891, and the total amount of work executed from the commencement, which have been prepared by the Superintendent of the Dock Works, are already with Government. The present state of the various works are reported in the following paragraphs:—

Sixty feet Lock.—This work is now completed. Against an estimated quantity of masonry, viz., 2,229,490 cubic feet, the aggregate quantity executed up to end of the quarter under review was 2,252,896 cubic feet. 1·6 per cent. of excavation and 2·9 per cent. of masonry were done during the quarter. The wooden jetties at the head of the lock are approaching completion, and the entrance to the lock is being dredged.

Eighty feet entrance.—This work is also completed. 715,000 cubic feet of masonry executed up to end of last quarter against an estimated quantity of 711,071 cubic feet. 6·3 per cent. of earthwork was excavated during the quarter. The entrance to the lock has to be dredged. The jetty heads are well in hand.

Double entrance to Dock No. 1—Is completed as previously reported.

Tidal basin.—The coping of the quay walls of which a portion only remained has been completed. Against an estimated quantity of 23,601,352 cubic feet of earthwork, only 19,291,148 cubic feet has been executed, leaving about 18·3 per cent. of excavation still to be done, which will be executed by dredging. It is reported that this work will be taken up very soon. About 9·9 per cent. of excavation and 1·9 per cent. of masonry were done.

Graving Dock.—As reported last quarter this work is finished; pumping engines have been erected, and the engine house is under construction, satisfactory progress having been made.

Government Graving Dock—Is completed.

Dock No. 1.—The additional works rendered necessary by the slips reported during the quarter ending 30th September 1890 have been taken in hand, and are now being carried out in the manner recommended by the Committe. About 8·7 per cent. of excavation still remains, which will be carried out by dredging.

Boat Canal.—The lift lock is finished; the lock and supply sluice at Chetla is also complete, with the exception of the gates and over-bridge which are in course of erection. Also some revetments remain to be done. The two road bridges are now open to traffic, and the foot bridge across the lift lock at the Budge-Budge road is in hand. The canal is finished, with the exception of the removal of the cross dams. The excavation of the canal down the centre of site of Dock No. 2 has been taken in hand.

Subsidiary works.—As reported during the last quarter, the hydraulic engine station is finished, and an addition is being made for the accommodation of the electric light plant, most of which has been received from England.

The main pumping station is completed. No progress has been made with the iron work of the cargo sheds, owing to, it is reported, materials not having yet arrived from England. Work will be put in hand as soon as they are received.

Expenditure.—The total expenditure up to end of the quarter under review is reported to be Rs. 2,15,56,575-13-8, of which Rs. 1,89,97,841-8-6 represents outlay on works and Rs. 25,58,734 is on account of land.

Sanitary.—During the quarter under review, the health of the workpeople was fair. The daily average number of workmen employed was 4,784, among whom there were 29 deaths during the quarter, thus showing a death rate of 24·39 per mille per annum.

General Remarks.—We consider that the progress on the works in hand during the quarter under review has been very satisfactory, and that, so far as we could judge, the quality of work was all that could be desired.

C. A. P.—Reg. No. 1137C—98—13-5-91.

Any further communications should be addressed to

THE SECRETARY TO THE GOVT. OF BENGAL,
PUBLIC WORKS (MARINE) DEPT.,
CALCUTTA.

And the following number should be quoted—

1294 MARINE.

GOVERNMENT OF BENGAL,

(MARINE DEPARTMENT),

CALCUTTA.

1123
4

The 12th May 1891.

To

The Secretary to the Govt. of Madras—
Public Works Department.—

Sir,

I am directed by the Lieutenant-Governor to forward, for the information of the Government of Madras, the accompanying copy of the report (with plan and Statement) of the 16th quarterly inspection of the Dock Works at Kidderpore, which are being carried out by the Commissioners of the Port of Calcutta.

I have the honor to be,
Sir,
Your most Obedt Servant—

W. Brooke Symthies
Under Secretary—

Accompaniment—
Copies of the report (with

No. [illegible] 5 & 21

No. 14 Dorset 26 May 1871

Recommended
to the Chairman Harbour
Local Board for
[illegible]
[illegible]

The Retainer of P. Bo
[illegible]
with Enclosure

[illegible]