

0W 7/9/85
 70W 7/10/85
 3153W 7/23/84
 2893W 7/19/84
 352W 7/20/84

Inca 3039
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RW 1/4/85
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B/E 832 Wa/2 April/85

The action of
 the Examiners is
 approved.

C.W.
 2.4.85

U.S.
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Ex R P. W. Accts.
 En Phob. ✓
 2/4/85

Copy of letter from the Superintendent,
Madras Harbour Works, to the Examiner Public
Works Accounts Madras No 22 C of 27 March /85.

I have the honor to draw your
attention to the fact that up to this date, I have
received no intimation of any grant of funds
for these works for the ensuing year, nor
indeed for the next month.

True copy

G. S. Patten
Superintendent Correspondence Branch
S.P.
31/3



Sanctionment No. 972 K of
31st March 1885.

Copy of letter from the
Superintendent Madras Har-
bour Works No 22 C of 27 March 1885
is forwarded to the Secretary
to Government P. W. Depart-
ment for information. A
sum of Rs. 25,000/- was applied
for by the Superintendent
for expenditure in April
which has been granted
pending Government of India
sanction to the Budget em-
bodyed in G. O. No 2891 W of
19th November 1884.

D. C. Curran
Examiner P. W. Works
Madras.

S.P.
31/3

Encs: One

21/3

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated February, 9th.

Recd.

Encl.

G.O., 9th Feb. 1885, No. 308 W.

FEBRUARY.

Madras Harbour Works

Letter from the Government of India
sanctioning a further sum of Rs. 50,000 for
expenditure during the current year on the
—, communicated to the officers concerned.

Da ^{1/2} 3639/25

9TH FEBRUARY 1885, No. 308 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Lieutenant-Colonel A. FILGATE, R.E., Deputy Secretary to the Government of India, Public Works Department (Account—Civil Works), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 4th February 1885, No. 16 A.C.W. :—

In continuation of Public Works Department letter No. 310 A.G., of the 31st December last, and with reference to your endorsement No. 3153 W., dated 23rd December 1884, I am directed to state that the Government of India has been pleased to sanction a further advance of Rs. 50,000 from Imperial funds in order to provide for outlay during the current year on the Madras harbour works.

2. The outlay incurred by the Public Works Department will be adjusted by debit to the Civil Department in the manner laid down in Public Works Department resolution, No. 104 A.G., of the 14th March 1884.

ORDER—dated 9th February 1885, No. 308 W., Public Works.

Communicated to the officers concerned, with reference to the undermentioned proceedings :—

G.O., No. 852 W.,	dated 28th March 1884
" " 2891 W.,	" 19th Nov. "
" " 2893 W.,	" 19th " "
" " 3152 W.,	" 23rd Dec. "
" " 77 W.,	" 10th January 1885

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.
" Examiner, Public Works Accounts.
" Marine Department.
" Financial "

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1885) Madras.
PUBLIC WORKS.

Dated January, 10th.

Recd.

Encl.

10th Jan. 1885, No. 78 W.

JANUARY.

Madras Port Trust Bill

Intimating that the — will, in all likelihood, be passed within a month, and that the Act will then be brought into operation with the least possible delay.

10TH JANUARY 1885, No. 78 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

LETTER—from

COLONEL J. SHAW-STEWART, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

I am directed to acknowledge the receipt of your letter, No. 310 A.G., dated 31st December 1884, and to inform you, in reply, that the Madras Port Trust Bill will, in all likelihood, be passed within a month from this date, and that the Act will then be brought into operation with the least possible delay.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

FORT ST. GEORGE,
10th January 1885.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1885) Madras.

PUBLIC WORKS.

Dated January, 10th.

Recd.

Encl.

G.O., 10th Jan. 1885, No. 77 W.

JANUARY.

Madras Port Trust Bill

Ordered that the Government of India be informed that the — will be passed in a month and that no time will be lost in bringing the Act into operation.

10TH JANUARY 1885, No. 77 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From Colonel W. S. TREVOR, R.E., Secretary to the Government of India, Public Works Department (Account—General), to the Secretary to the Government of Madras, Public Works Department, dated Fort William, 31st December 1884, No. 310 A.G.

I am directed to acknowledge the receipt of your letter, No. 2892 W., dated the 19th ultimo, submitting the revised and budget estimates of 1884-85 and 1885-86 for the Madras harbour works. I am to say, in reply, that, in view of the early formation of the Port Trust, the Government of India is not inclined to sanction large expenditure of the nature of advances from Imperial revenues; and that, before making provision as desired in the revised and budget estimates under reference, the Government of India would be glad to know when the Port Trust Bill is likely to become law.

G.O., dated 8th January 1885, Mis. No. 11, Marine.

Read—the following proceedings of the Public Works Department, dated 5th January 1885, No. 8 C.:—

ABSTRACT.—Regarding Port Trust Bill for the Madras harbour.

Order—dated 8th January 1885, Mis. No. 11, Marine.

The Public Works Department will be informed that the Bill will, in all likelihood, be passed within a month. The Act will then be brought into operation with the least possible delay.

(True Extract.)

(Signed) E. F. WEBSTER,
Chief Secretary.

ORDER—dated 10th January 1885, No. 77 W., Public Works.

Ordered that the Government of India be addressed.

(Here enter No. 78 W., dated 10th January 1885.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.
„ Examiner, Public Works Accounts.
„ Marine Department.

Exd. E. Fernandez.

Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated December, 23rd.

Recd.

Encl.

G.O., 23rd Dec. 1884, No. 3153 W.

DECEMBER.

Madras Harbour Works

Forwarding application from the Superintendent, Madras Harbour Works, for an additional grant for the Madras Harbour Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following letter from F. N. THOROWGOOD, Esq., M. INST. C.E., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 20th December 1884, No. 30 W.:—

I have the honor to place before Government the present financial state of affairs on the Madras Harbour Works.

2. At present I am working only with the sanctioned grant of money for the current year, namely, Rs. 1,79,900. I am doing as much work as I can without exceeding this grant, but the work is small compared to what might be done if more funds were at hand, as I ventured to point out in my report accompanying G.O., No. 2893 W., of 19th November 1884, paragraphs 5 and 6.

3. Rubble base is being deposited as briskly as the train service and the state of the sea will admit, and plant and machinery is being repaired to a small extent. There are however very heavy works to be carried out on shore, works that are of the utmost importance and which should be commenced at once, but they cannot be touched without more funds. Moreover, should one of the Titan cranes arrive next month, as is very probable, I shall not have funds available for promptly setting to work at erecting it, unless I at once stop all work at the rubble bases.

4. The state of the accounts is now as follows. The balance in hand on December 31st will be Rs. 46,616 as nearly as possible, and the expenditure during January, February and March 1885, if the work goes on *precisely as at present* without employing one extra hand or purchasing one piece of timber, will amount to Rs. 49,000.

5. If the Rs. 25,000 for Carlton house, referred to in my letter, No. 23 W., of 16th October (G.O., No. 2891 W., November 19th) were granted, the present difficulty would be surmounted; but I venture to think that it would be in the best interest of the works to apply for an additional grant of Rs. 50,000 for the next three months, as it is imperative that funds shall be at hand for landing and building the Titans, for altering and extending the block grounds, and for making new block frames and new blocks.

ORDER—dated 23rd December 1884, No. 3152 W., Public Works.

Ordered to be forwarded to the Government of India in continuation of the revised budget estimate for the current year, and with a view to early orders being passed thereon, and the additional funds applied for being made available.

(Here enter No. 3153-W., dated 23rd December 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.

ENDORSEMENT—dated 23rd December 1884, No. 3153 W., Public Works.

Copy of the above forwarded to the Government of India in continuation of endorsement, No. 2982-W., dated 19th November 1884.

28 92 (Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. A. Grubert.

Spare Copies

Govt. of (1884) Madras.
PUBLIC WORKS.

Dated November, 19th.

Recd.

Encl.

G.O., 19th Nov. 1884, No. 2893 W.

NOVEMBER.

Madras Harbour Works

Orders on report submitted by the Superintendent on the present state of the —.

As at the north pier, this foreshore so deposited, although the amount at present is insignificant, will form the foundation of the very substantial screens of wave-breaker blocks which are to protect the walls of the breakwaters.

8. *Plant and Machinery*.—I am able to report that the Titan cranes for setting blocks and one of the wave-breaker cranes are in hand in England, and I hope that by January next one may be delivered here. It is hardly necessary to point out that until one of these machines is erected it is impossible to deposit a single block in the breakwater.

9. Here on the spot extensive renewals and repairs have been going on (with very few workmen) to the cranes, locomotives and trucks for carrying blocks. I only recently discovered that the timber work of the 40-ton Goliath crane at the south block-yard was much decayed, and needed entire rebuilding. The block carrying trucks also, I find, are very unsafe, and all need new frames. All these works give full employment to the skilled hands reduced in number to a minimum.

10. *Divers and Diving*.—During October the diving staff were employed in making a species of submarine survey of the line of the foundation of the new work. This was carried on with much elaboration and care, and I have plotted the results on a plan of large size. The conclusion one is able to arrive at on inspecting the result is that the work of preparing the new foundation will not probably be so formidable as was at first anticipated.

11. *Encroachment to the North*.—The sea continues to encroach to the north but not to any very serious extent. Some bungalows are becoming of less value owing to the encroachment, and many cocoanut trees belonging to Government have been washed away. The charge of this property is now entirely in the hands of the Collector of Madras, with the single exception of Carlton House, the rent of which is paid into this office.

12. With reference to this matter I feel bound, in justice to myself and staff, to correct a wrong impression that may have been conveyed to His Excellency the Governor in Council regarding the cost of collecting the rents of this harbour works property. In his letter attached to G.O., No. 998, dated 9th September 1884, Revenue, the Collector states that, whereas the monthly salaries of the staff collecting rents while under my charge amounted to Rs. 294, his people can do the work for Rs. 79. It must be borne in mind that carpenters and masons for repairs, surveyors, chainmen and draughtsmen are included in the higher amount, and are not included in the Collector's list.

ORDER—dated 19th November 1884, No. 2893 W., Public Works.

The report will be recorded, with remark, as regards paragraph 5, that the revised budget providing for additional expenditure on the works this year, in accordance with the conclusions adopted in London, has been recommended for the sanction of the Government of India.

2. Adverting to paragraph 11, there seems no reason why the charge of the Carlton House property should be retained by the harbour works staff. The property will be dealt with in the same manner as other properties referred to in G.O., No. 200, dated 9th February 1884, Revenue Department.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. E. Fernandez.
Spare Copies

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from F. N. THOROWGOOD, Esq., M. INST.C.E., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 4th November 1884, No. 25 W. :—

I have not submitted, for the information of His Excellency the Governor in Council, any report upon these works since 3rd October 1883 (G.O., dated 12th October 1883, No. 2875 W). The reason of this is that the work that has been done has, until the last few months, been confined to repairing machines and cranes. I now have the honor to submit a general report of the state of the works at present.

2. *North Pier—Foreshore Work.*—On 19th May last, in accordance with the sanction given in G.O., dated 25th April 1884, No. 1056 W., the work of tipping rubble foreshore to the north of the north pier was commenced. The position and section of the foreshore to be made up were such as was shown on the plans of the Home Committee under the presidency of Sir John Hawkshaw, and were in no way affected by what appeared at the time to be the somewhat doubtful question of the position of the entrance to the harbour. The South Indian Railway Company at first were able to provide only one train daily from the quarry at Pallavaram to the works, but after a time more wagons were available and two trains of 24 wagons each were sent down daily when the weather permitted of work being done.

3. The stone has been deposited in its place by means of large cargo boats and cooly labor, and I am inclined to think that if we can get a sufficiently strong fleet of these craft nothing in the way of hopper barges (either for hand or steam power) will be required. No provision for any special craft is yet made in England, nor was such a requirement anticipated when I left, on 20th August.

4. From 19th May to 11th October (at which date the sea put an end to work at the north pier) there were deposited in the foreshore 32,124 tons of stone. This amount has almost completed the extra section required from 250 feet to 1,925 feet from the commencement of the breakwater. At a specially weak spot in the breakwater, about 200 feet from the commencement, an additional protection has been made by building on the top of the new rubble foreshore sixteen wave-breaker blocks, each weighing 30 tons. These are of interest in a general way as showing the size and shape of the blocks to be deposited as foreshore to the restored works.

5. *Concrete Blocks.*—All this time I regret to state that it is not possible to proceed with making blocks for the new work of restoration as there are at present only sufficient funds at my disposal to keep the foreshore work going on. There is no longer any doubt as to the section and shape of the blocks to be made, as during my visit to England, from 20th May to 18th September, I received from Mr. Parkes full instructions in a general way on this head.

6. The block yards on which the blocks are made need very considerable alterations, which will cost not less than Rs. 10,000, and these cannot well be proceeded with until more funds are available. It seems to me therefore to be better to go on with the useful and necessary work of depositing rubble foreshore rather than to make a new departure before it is quite settled where the funds for such a purpose are to come from.

7. *South Pier—Rubble Foreshore.*—After 11th October, the wind getting to the north of east, it became necessary to transfer stone trains and cargo boats to the south side of the south pier, since which date 2,691 tons of stone have been deposited as foreshore in accordance with Mr. Parkes's instructions received in Westminster.

GENERAL.
ACCOUNT.

Govt. of (1884) Madras.

PUBLIC WORKS.

Dated November, 19th.

Recd.

Encl.

G.O., 19th Nov. 1884, No. 2892 W.

NOVEMBER.

Madras Harbour Works

Forwarding revised estimate of the — for
1884-85 and budget estimate for 1885-86.

3. The two clerks on Rs. 17½ each, provided in the budget estimate under Petty and Office establishments, are in excess of the sanctioned scale, and should not be entertained without specific authority.

(Here enter No. 2892 W., dated 19th November 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Marine Department.

„ Examiner, Public Works Accounts.
„ Superintendent, Madras Harbour Works.

ENDORSEMENT—dated 19th November 1884, No. 2892 W., Public Works.

Forwarded.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated November, 19th.

Recd.

Encl.

G.O., 19th Nov. 1884, No. 2892 W.

NOVEMBER.

Madras Harbour Works

Forwarding revised estimate of the — for
1884-85 and budget estimate for 1885-86.

GOVERNMENT OF MADRAS.

PART III.

Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1885-86.

Number.	Particulars.	Salary of Office.	ESTIMATE FOR 1885-86.			ESTIMATE FOR 1884-85.
			Per Mensem.	Per Annum.	Total.	
1884-85.	1885-86.					
		DIRECTION.	RS.	RS.	RS.	RS.
		<i>Engineer Establishment.</i>				
1	1	Engineer-in-Chief	...	...	6,154	...
1	1	Total, Direction Salaries ...	...	...	6,154	5,000
		CONSTRUCTION.				
		<i>Engineer Establishment.</i>				
1	1	Superintendent of Works ...	1,250	1,250	...	...
1	1	Assistant Superintendent ...	700	700	...	...
2	2	Total ...	...	1,950	23,400	23,400
		<i>Upper Subordinate Establishment.</i>				
1	1	Sub-Engineer, 3rd grade ...	250	250	...	...
1	1	Head Foreman of Works ...	440	440	...	...
1	1	Mechanical or Foreman Engineer.	350	350	...	...
...	1	Foreman Diver (transferred from Works) ...	350	350	...	...
1	1	Accountant, 4th grade ...	115	115	...	...
4	5	Total ...	...	1,505	18,060	14,484
		<i>Petty Establishment.</i>				
1	1	Chief Storekeeper ...	220	220	...	...
1	1	Assistant Storekeeper, 4th class, 2nd grade ...	35	35	...	...
1	1	Godown-keeper, 4th class, 3rd grade ...	25	25	...	...
...	1	Writer for copying, 5th class, 1st grade ...	17½	17½	...	...
1	2	Lascars ...	7	14	...	...
4	6	Total ...	...	311½	3,738	3,384
		OFFICE ESTABLISHMENT.				
		<i>Superintendent of Works.</i>				
1	1	Managing Clerk, 2nd class, 3rd grade ...	110	110	...	...
1	1	Clerk, 4th class, 1st grade ...	45	45	...	...
3	3	Clerks, 4th class, 2nd grade ...	35	105	...	...
1	1	Writer for copying, 5th class, 1st grade ...	17½	17½	...	...
1	1	Cashier, 4th class, 1st grade ...	45	45	...	...
1	1	Draughtsman, 1st class ...	60	60	...	...
1	1	Second do. 2nd class ...	42½	42½	...	...
3	3	Peons ...	7	21	...	...
7	12	Total ..	...	446	5,352	2,412

Detail of the Budget Estimate for Establishment for the Harbour Works in Madras—cont.

Number.	Particulars.	Salary of Office.	ESTIMATE FOR 1885-86.			ESTIMATE FOR 1884-85.
			Per Mensem.	Per Annum.	Total.	
1884-85.	1885-86.					
		OFFICE ESTABLISHMENT—cont.	RS.	RS.	RS.	RS.
		<i>Assistant Superintendent.</i>				
1	1	Clerk, 4th class, 1st grade ...	45	45	...	...
1	1	Surveyor (as Draughtsman 1st class) ...	60	60	...	...
1	1	Draughtsman, 3rd class ...	25	25	...	...
3	3	Peons ...	7	21	...	...
6	6	Total ...	...	151	1,812	1,452
		<i>Sub-Engineer Establishment.</i>				
1	1	First Clerk and Timekeeper, 4th class, 1st grade ...	45	45	...	...
1	1	Second Clerk, 4th class, 2nd grade.	35	35	...	...
1	1	Stone Quarry Clerk, 4th class, 2nd grade ...	25	25	...	...
1	1	Draughtsman, 3rd class ...	25	25	...	...
2	2	Peons ...	7	14	...	...
6	6	Total ...	...	144	1,728	1,428
		Presidency house-rent and allowances to Sub-Engineer and accountant ...	...	110	1,320	1,800
		Total, Construction Salaries ...	...	...	55,410	48,360
		Travelling allowances ...	...	...	3,000	1,000
		Office expenses and contingencies.	...	...	1,523	540
		Grand Total ...	...	...	66,087	54,900

ABSTRACT of foregoing provision for Establishment.

	Salaries.	Travelling Allowances	Contingencies.	TOTAL.	
				1885-86.	1884-85.
	RS.	RS.	RS.	RS.	RS.
Direction...	6,154	...	...	6,154	5,000
Construction ...	55,410	3,000	1,523	59,933	49,900
Total ...	61,564	3,000	1,523	66,087	54,900

MADRAS,
10th October 1884.(Signed) F. N. THOROWGOOD,
Superintendent, Madras Harbour Works.

BUDGET ESTIMATE OF EXPENDITURE ON THE HARBOUR WORKS IN
MADRAS DURING 1885-86.

PART I—SECTION A.

	Budget Estimate, 1885-86.	Revised Estimate, 1884-85.	Budget Estimate, 1884-85.	Actual, 1883-84.
	RS.	RS.	RS.	RS.
Reconstruction	8,03,684	1,42,444	1,00,000	1,59,857
Repairs	66,087	59,239	54,900	68,694
Establishment	2,67,529	1,74,050	5,000	—7,725
Tools and Plant	1,50,000	40,000	20,000	4,030
Suspense	—10,900			
Total ...	12,87,300	4,04,200	1,79,900	2,24,856

	RS.
Payments in England	2,14,050
Do. in India	10,73,250
Total ...	12,87,300

MADRAS,
10th October 1884.

(Signed) F. N. THOROWGOOD,
Superintendent, Madras Harbour Works.

GENERAL
ACCOUNT.

Gobt. of 1884 Madras.

PUBLIC WORKS.

Dated March, 28th.

Recd.

Encl.

G.O., 28th March 1884, No. 852 W.

MARCH.

Budget Estimate

Ordered that the final issue of the — of
the Madras Harbour Works for 1884-85 be
printed and forwarded to the Government of
India.

ORDER—dated 28th March 1884, No. 852 W., Public Works.

Ordered that the final issue of the Madras Harbour Works budget estimate for 1884-85, prepared for Rs. 1,79,900, the sum fixed by the Government of India in the resolution read at the head of these proceedings, be printed, and thirty-five copies forwarded to the Government of India.

2. The Examiner, Public Works Accounts, will adjust the outlay as directed in paragraphs 1 and 2 of the resolution.

(Here enter No. 853 W., dated 28th March 1884.)

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.
" Examiner, Public Works Accounts.
" Financial Department.
" Marine "

Exd. E. Fernandez.
Spare Copies

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper :—

From the Government of India, Public Works Department (Account—General),
dated Fort William, 14th March 1884, No. 104 A.G.

Orders on the Madras Harbour Works Budget Estimate, 1884-85, and Revised
Estimate, 1883-84.

Read—

Letter, No. 2975 W., dated 19th October 1883, from the Government of Madras.
Government of India, Finance Department, No. 839, dated 11 February 1884.

Resolution.—Under the orders contained in Finance Department, No. 839, dated
11th February 1884, read above, all the

	RS.	
* 1878-79	25,93,566	expenditure recorded under Productive
1879-80	8,50,000	Public Works to the end of 1882-83 on
1880-81	7,00,000	account of the Harbour Works, amounting
1881-82	6,89,060	to Rs. 53,30,708,* should be written back
1882-83	4,98,082	to the debit of Imperial Civil Buildings,

Roads and Services, in the accounts for

1883-84, a corresponding credit being given to Productive Public Works.

2. Pending further orders the outlay during 1883-84 and 1884-85 should
continue to be audited by the Examiner of Public Works Accounts, Madras, in
accordance with departmental rules, but should be debited in transfer to the Civil
Department by means of the monthly exchange accounts between the Public Works
and Civil Departments, and will, as advised by the Finance Department of the Govern-
ment of India, for the present be brought to account by charge to "*Loans to Presi-
dency Corporations*" in the books of the Accountant-General, Madras.

3. The revised estimate of the current year has been fixed at the grant sanctioned,
namely, Rs. 2,80,000. The budget estimate of 1884-85 has been passed for a total of
Rs. 1,79,900 as detailed below :—

	RS.
Reconstruction	1,00,000
Establishment	54,900
Tools and Plant	5,000
Suspense	20,000
Total	1,79,900
Payments in England	5,000
Payments in India	1,74,900

Order—Ordered, that this resolution be communicated to the Government of
Madras with the request that thirty-five printed copies of the budget estimate as now
passed may be submitted so as to reach the Government of India not later than the
1st May 1884.

(Signed) W. S. TREVOR, Colonel, R.E.,
Secretary to the Govt. of India.

GOVERNMENT OF MADRAS.

PART III.

Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1884-85.

NUMBER.		Particulars.	Salary of Office.	ESTIMATE FOR 1884-85.			ESTIMATE FOR 1883-84.
1883-84.	1884-85.			Per Mensem.	Per Annum.	Total.	
			RS.	RS.	RS.	RS.	RS.
		DIRECTION.					
		ENGINEER ESTABLISHMENT.					
1	1	Engineer-in-Chief	...	...	5,000		
1	1	Total, Direction Salaries ...	...	...	5,000	5,000	19,469
		CONSTRUCTION.					
		ENGINEER ESTABLISHMENT.					
1	1	Superintendent of Works ...	1,250	1,250			
1	1	Assistant Superintendent ...	700	700			
2	2	Total ...	...	1,950	23,400	...	25,232
		UPPER SUBORDINATE ESTABLISHMENT.					
1	1	Sub-Engineer, First Grade ...	400	400			
1	1	Foreman of Works ...	400	400			
1	1	Mechanical Engineer ...	300	300			
1	1	Accountant, Fourth Grade ...	107	107			
4	4	Total ...	...	1,207	14,484	...	14,540
		PETTY ESTABLISHMENT.					
1	1	Storekeeper	220	220			
1	1	Writer or Assistant Storekeeper.	30	30			
1	1	Godown-keeper	25	25			
1	1	Lascar	7	7			
4	4	Total ...	...	282	3,384	...	3,384
		OFFICE ESTABLISHMENT.					
		<i>Superintendent of Works.</i>					
11	1	Head Clerk	80	80			
	1	Clerk	35	35			
	1	Do.	25	25			
	1	Cashier	40	40			
	3	Peons	7	21			
11	7	Total ...	...	201	2,412	...	2,412
		<i>Assistant Superintendent.</i>					
7	1	Clerk	35	35			
	1	Draftsman	45	45			
	1	Do.	20	20			
	3	Peons	7	21			
7	6	Total ...	...	121	1,452	...	1,052

Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1884-85—cont.

NUMBER.		Particulars.	Salary of Office.	ESTIMATE FOR 1884-85.			ESTIMATE FOR 1883-84.
1883-84.	1884-85.			Per Mensem.	Per Annum.	Total.	
			RS.	RS.	RS.	RS.	RS.
		CONSTRUCTION—cont.					
		SUB-ENGINEER ESTABLISHMENT.					
1	1	Clerk and Timekeeper	40	40			
1	1	Do.	25	25			
1	1	Do.	20	20			
1	1	Draftsman	20	20			
2	2	Peons	7	14			
6	6	Total ...	...	119	1,428	...	1,428
		Presidency house-rent and allowances to Sub-Engineer, &c.	...	150	1,800	...	1,840
		Total, Construction Salaries ...	...	...	...	48,360	49,880
		Travelling Allowances ...	...	...	...	1,000	2,000
		Office expenses and contingencies	...	...	...	540	1,119
		Grand Total ...	...	...	...	54,900	72,476

Abstract of foregoing provision for Establishment.

				Salaries.	Travelling Allowances.	Contingen- cies.	TOTAL.	
							1884-85.	1883-84.
				RS.	RS.	RS.	RS.	RS.
Direction ...	...	..	...	5,000	...	...	5,000	19,469
Construction	...	...	...	48,360	1,000	540	49,900	53,007
Total ...				53,360	1,000	540	54,900	72,476

MADRAS,
28th March 1884.(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Government, P.W.D.

BUDGET ESTIMATE OF EXPENDITURE ON THE HARBOUR WORKS IN
MADRAS DURING 1884-85.

PART I, SECTION A.

	Budget Esti- mate, 1884-85	Revised Esti- mate, 1883-84.	Budget Esti- mate, 1883-84.	Actual, 1882-83.
	RS.	RS.	RS.	RS.
Reconstruction ...	1,00,000	1,55,521	1,68,192	4,12,823
Repairs ...	...	...	...	...
Establishment ...	54,900	72,476	72,476	56,243
Tools and Plant ...	5,000	4,671	-8,000	2,334
Suspense ...	20,000	47,332	47,332	26,682
Total ...	1,79,900	2,80,000	2,80,000	4,98,082

Payments in England ...	...	...	...	...	RS. 5,000
Do. in India ...	...	...	...	...	1,74,900
Total ...	...	...	...	...	1,79,900

MADRAS,
28th March 1884.

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Government, P.W.D.