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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public works DEPARTMEN

G.O. No. / B.P. No.	2974-75 W	Press. / Mis.
Dated	19-10-1883	198 .

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2974-75
1

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, 9th October 1883, No. 27 W. :—

I have the honor to forward two budget estimates for 1884-85, one based on the present state of affairs and the other on the presumption that active operations will be resumed by the end of the current official year, as directed in G.O., No. 2758 W., dated 2nd October 1883.

ORDER—dated 19th October 1883, No. 2974 W., Public Works.

The alternative budget estimates for expenditure on the Madras Harbour Works during 1884-85, submitted with the foregoing letter, will be forwarded to the Government of India, with a recommendation that either one or other be sanctioned, according as a decision may be arrived at on the Harbour Restoration Committee's report transmitted with letter from this department, No. 2862 W., dated 11th October 1883.

(Here enter No. 2975 W., dated 19th October 1883.)

(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.

ENDORSEMENT—dated 19th October 1883, No. 2975 W., Public Works.

Forwarded.

Major, R.E.,
Under Secy. to Govt., P.W.D.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated October, 19*th.*

Read. *Encl.*

G.O., 19th Oct., 1883, No. 2975 W.

OCTOBER.

Madras Harbour Works

Forwarding, with remarks, alternative budget estimates for 1884-85 for the —.

2974-75
3

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

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Secretary to Govt., P.W.D.

Fwd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated October, 19*th*.

Read. *Encl.*

G.O., 19th Oct., 1883, No. 2975 W.

OCTOBER.

Madras Harbour Works

FORWARDING, with remarks, alternative budget estimates for 1884-85 for the —.

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3RD JULY 1882, No. 1675 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 24.

READ—the following papers :—

From Colonel W. S. TREVOR, R.E., Secretary to the Government of India, Public Works Department (Civil Works—Miscellaneous), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 9th May 1882, No. 169 M.

I am directed to acknowledge the receipt of your letter, No. 677 W., of the 16th March last, asking for a reconsideration of the orders of the Government of India deciding that the cost of extending the southern main drain across the sands north of Fort St. George should be borne by Provincial Funds.

2. In reply I am to say that, under the circumstances mentioned by you, the incidence of this and other charges will be finally considered as soon as the estimate for the whole of the charges to be incurred on the Harbour Works (including both direct and all incidental charges) is submitted for the sanction of the Government of India, and when the manner in which the further outlay that may be sanctioned is to be dealt with is determined. Until this is done the cost of the extension of the drain and all other similar incidental charges should be met from PROVINCIAL FUNDS.

No. 24-A.

From D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 5th June 1882, No. 40 W.

With reference to Government of India No. 169 M., dated 9th May 1882, to Government [copy received under Accountant-General's (Public Works Department) endorsement No. 266 G., dated the 18th idem], stating that the cost of extending the southern main drain across the sands north of Fort St. George and all other indirect charges against the Harbour should be met from Provincial Funds till such time as the revised estimate for the Harbour shall have been fully considered by the Government of India, I have the honor to request that a list of such indirect charges, as have already been sanctioned, may be furnished to me for guidance in making the necessary adjustment, and to inquire whether such adjustment should be made in the accounts for the past or current official year.

No. 24-B.

From N. ST. B. BEARDMORE, Esq., C.E., Acting Superintendent, Madras Harbour Works, to the Chief Engineer, Public Works Department, dated Madras, 6th June 1882, No. 11 W.

I have the honor to forward the statement requested in your memorandum, No. 144 E., dated 23rd May 1882.

2. I regret there has been some delay in sending this statement, but I did not understand what Item No. 2, "Share of drain lately ordered to connect with intercepting sewer," meant until I had inquired for, and received yesterday, G.O., No. 1290 W., of 22nd May, explaining it.

Enclosure.

Incidental Expenses in connection with Harbour in reply to Memorandum No. 144 E. of Chief Engineer, Public Works Department, dated Ootacamund, 22nd May 1882.

No.	Particulars of Charge	Amount. Rs.	A.	P.
1	Expenses of setting Memorial Stone by His Royal Highness the Prince of Wales in November 1875	8,654	0	0
2	Channel to carry off rain-water from the drain close to the south pier of Harbour	893	0	0
3	Law charges in connexion with the barque *James Aiken*	690	9	4
4	Gratuities awarded to relatives of men who died from accidents by the cyclone, &c., of 12th November 1881	5,858	0	0
5	The cost of a pipe to carry sewage from Main Drain near the Fort by the Municipality in July 1879	3,145	5	8
6	North Beach Protective Works at Rayapuram and Cassemode to 31st March 1881	1,10,616	8	5
7	Extension of outfall sewer near Fort as now being carried out by the Municipality	13,663	0	0
8	Purchase of Mrs. Sadler's land at Rayapuram	1,400	0	0
9	Theft from cash-chest at office	50	0	0
10	Compensation for loss and purchase of remaining land at Rayapuram under G.O., No. 606 W., dated 8th March 1882 ...	51,341	9	2
11	Compensation for loss of two months' rent to Kothir Saib at Cassemode under G.O., No. 1037 W., dated 27th April 1882 ...	240	0	0
12	Probable cost of revetment work north of Harbour ...	36,000	0	0
13	Cost of land at Cassemode proposed in Mr. Parkes's report of 4th February 1882 to be bought in order to save expense of protecting it from encroachment of the sea. *Note.*—There will probably be interest in shape of rent on this sum	2,08,149	0	0
14	Half cost of connecting Drain No. 5, near High Court, with intervening sewer, as directed in G.O., No. 1216 W., of 22nd May 1882, 36 yards	200	0	0
	Total ...	4,40,901	0	7

(Signed) N St. B. BEARDMORE, C.E.,
Ag. Superintendent, Madras Harbour Works.

No. 24-C.

Approximate general estimate for the Madras Harbour Works.

Reference.—Government of India letter No. 166 W., dated 9th May 1882.

REPORT.

The annexed estimates giving in abstract as far as possible the approximate total outlay required for the completion of the Madras Harbour Works are based on the actuals of past outlay, and as regards the rest on the best available details.

2. To meet the views of the Government of India the General Abstract divides the whole outlay, past and prospective, into two main heads—

(1) The Harbour Works proper,
(2) Incidental or Contingent works.

3. As regards the first head it may be observed that the original estimate for the work sanctioned by the Secretary of State amounted to Rs. 62,80,000, and though containing one item not provided by Mr. Parkes, viz., 2 lakhs, on account of extra rubble required for the bases of the piers, and the usual percentage allowance for "Contingencies," no specific sub-heads were separated under the latter.

4. The amount of estimate No. 1, which provides for the whole of the Harbour Works proper, amounting to Rs. 75,58,735 is, as will be observed, chiefly made up of the two items, (1) booked outlay to end of the last official year, and (2) 18½ lakhs—Mr. Parkes's maximum estimate for completing the work after the storm of the 12th November 1881. If Mr. Parkes's minimum estimate be accepted, the total would be Rs. 72,83,735.

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On the Chief Engineer's rough estimate of 25 lakhs for finishing the work, the outlay would be Rs. 82,33,735, and by Mr. Molesworth's of 27 lakhs, Rs. 84,33,735.

5. Estimate No. 2, amounting to Rs. 4,50,000, which is the first of the estimates for the incidental works, is for the protective operations found necessary north of the Harbour. The necessity for the works here has shown itself more and more as the Harbour Works advanced seaward, the effect of the south-west monsoon being to occasion such a set of the alongshore current, as to erode the shore and endanger property to nearly 2 miles north of the Harbour.

6. At first the cost of the works here was debited to ordinary contingencies, Rs. 1,13,624 being the total amount thus booked up to end of last official year. Since then, as will be observed from G.O., 17th March, No. 698 W., the subject has called for separate and careful consideration, the result of which has been that while it has been decided to carry the longitudinal revetment to a certain point north of the Harbour, the sea is to be allowed to act freely on the shore in advance of this—it being clear that it would be cheaper to acquire the rights in the land here than to execute protective works. Hence it will be seen that whereas Items 1 and 5 amount to Rs. 1,46,616, the remaining five items are for compensation.

7. Estimate No. 3 deals with another incidental charge not provided for in the original estimate, viz., the moorings.

8. The actual outlay debited to this head to end of last official year against supposed savings on the general sanction was Rs. 1,74,970, and the remainder of the estimate will have to be met for completion of the work.

9. Estimate No. 4, amounting to Rs. 45,000, for the intercepting sewer provides for a work also not entered specifically in the original estimate. The outlay, Rs. 34,352, as booked up to end of last official year, was treated as debitable to general contingencies of the work, the drain in question owing its origin entirely to the Harbour, for the sole use of which it has been constructed. This drain carries the whole of the sewage (not the storm waters) which formerly discharged into the sea south of, and along the present base of, the Harbour, and delivers it clear of the work to the north.

10. Estimate No. 5, amounting to Rs. 15,000, provides for a work of precisely analagous character and no less intimately connected with the Harbour scheme. It provides for the discharge of the storm waters not entered in Estimate No. 4, but no less essential. The booked outlay to end of last official year was Rs. 13,500, and though at first charged against the general contingencies of the Harbour Works, was not specifically provided for in the original estimate, as sanctioned by the Secretary of State.

(Signed) R. H. SANKEY, Colonel, R.E.,
23rd June 1882. Chief Engineer, P.W.D.

MADRAS HARBOUR WORKS.

Harbour Works Proper.

Abstract Estimate No. 1.

Item No.	Particulars.	Cost. Rs.	A.	P.
1	Booked Outlay up to end of 1881-82	57,17,640	0	0
2	Mr. Parkes's maximum estimate for restoring the Harbour on his monolithic system	18,25,000	0	0
3	Expenses of setting Memorial Stone by His Royal Highness the Prince of Wales in November 1875	8,654	0	0
4	Channel to carry off rain-water from the drain close to the south pier of Harbour	893	0	0
5	Law charges in connection with the barque *James Aiken*	690	9	4
6	Gratuities awarded to relatives of men who died from accidents during the cyclone of 12th November 1881	5,858	0	0
	Total ...	75,58,735	9	4

Incidental or directly Contingent Works not provided for in the Original Estimate.

Abstract Estimate No. 2.

North Protective Works.

Item Nos.	Particulars.	Cost. Rs.	A.	P.
1	Booked Outlay on the North Beach Protective Works at Rāyapuram and Cassemode up to 31st March 1881	1,10,616	8	5
2	Purchase of Mrs. Sadler's land at Rāyapuram	1,400	0	0
3	Compensation for loss and purchase of remaining land at Rāyapuram under G.O., No. 601 W., dated 8th March 1882	51,341	9	2
4	Compensation for loss of four months' rent to Kathir Saib at Cassemode under G.O., No. 1047 W., dated 27th April 1882	240	0	0
5	Probable cost of revetment north of Harbour	36,000	0	0
6	Cost of land at Cassemode proposed in Mr. Parkes's report of 4th February 1882 to be bought, to save the expense of protecting it from encroachment of the sea	2,08,149	0	0
7	Add for compensation and works not included in the above ...	42,252	14	5
	Total ...	4,50,000	0	0

Abstract Estimate No. 3.

Moorings.

Item Nos.	Particulars.	Cost. Rs.	A.	P.
1	Booked outlay on moorings up to end of 1881-82	1,71,310	6	8
2	Repairs to do.	3,659	15	10
3	Balance of estimate amounting to Rs. 2,20,750	45,780	0	0
4	Amount assumed for contingencies	14,250	0	0
	Total ...	2,35,000	6	6

Abstract Estimate No. 4.

Intercepting Drain.

Item Nos.	Particulars.	Cost. Rs.	A.	P.
1	Booked Outlay on the Intercepting Sewer up to 31st March 1882 ...	34,352	0	0
2	Cost of a pipe to carry sewage from Main Drain near the Fort by the Municipality in July 1879	3,145	5	8
3	Half cost of connecting Drain to near High Court with intercepting sewer as directed in G.O., No. 1290 W., dated 22nd May 1882 ...	200	0	0
4	Add for completion and one or two minor junctions and other unforeseen work connected with the intercepting sewer	7,302	10	4
	Total ...	45,000	0	0

Abstract Estimate No. 5.

Outfall Sewer, north of Fort St. George.

Item Nos.	Particulars.	Cost. Rs.	A.	P.
1	Extension of outfall sewer near Fort as now being carried out by the Municipality	13,663	0	0
2	Estimated outlay to complete	1,337	0	0
	Total ...	15,000	0	0

Approximate General Estimate for the Madras Harbour Works.

Item Nos.	Particulars.	Cost. Rs.	A.	P.
	Harbour Proper.			
1	Probable ultimate cost as detailed in Abstract Estimate No. 1 ...	75,58,735	0	0
	Incidental or Contingent Works.			
2	Protective Works north of the Harbour	4,50,000	0	0
3	Moorings	2,35,000	0	0
4	Intercepting Drain	45,000	0	0
5	Fort Outfall Drain	15,000	0	0
	Grand Total ...	83,03,735	0	0

No. 25.

Order—dated 3rd July 1882, No. 1675 W., Public Works.

Ordered that the following letter be sent to the Government of India.

(Here enter No. 1676 W., dated 3rd July 1882.)

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works, } with copy of letter to
" Examiner of Public Works Accounts, } Government of India.

Encl Dept

Exd. A. F. Goodall.
Spare Copies

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BUDGET ESTIMATE OF EXPENDITURE ON THE HARBOUR WORKS IN MADRAS DURING 1882-82.

PART I.—*Section A.*

—	Budget Estimate, 1882-83.	Regular Estimate, 1881-82.	Budget Estimate, 1881-82.	Actual, 1880-81.
	Rs.	Rs.	Rs.	Rs.
Reconstruction	1,00,000	6,43,626	2,95,804	13,23,086
Repairs	5,000	...	...	...
Establishment	60,836	59,443	59,443	53,144
Tools and Plant	10,000	5,000	5,000	11,000
Suspense	24,164	18,000	18,000	70,000
Total ...	2,00,000	7,26,069	3,78,247	14,57,230

	Rs.
Payments in India	2,00,000
Do. in England	...
	2,00,000

(Signed) N. St. B. BEARDMORE, C.E.,
Ag. Superintendent, Madras Harbour Works.

GOVERNMENT OF MADRAS.

PART III.

Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1882-83.

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate, 1882-83. Charges per Annum.
		DIRECTION.	Rs.	Rs.	Rs.	Rs.	Rs.
		Engineer Establishment.					
1	1	Engineer-in-Chief	...	...	5,000	5,000	
1	1	Total, Direction ...	...	...	5,000	5,000	...
		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	23,400	...
		Upper Subordinate Establishment.					
1	1	Sub-Engineer	400	400			
1	1	Foreman of Works	400	400			
1	1	Mechanical Engineer	300	300			
1	1	Accountant	160	160			
4	4	Total ...	...	1,260	15,120	15,120	...
		Petty Establishment.					
1	1	Storekeeper	220	220			
2	2	Writer and Lascar from Rs. 30 and 7	37	37			
1	1	Godown-keeper	25	25			
4	4	Total ...	...	282	3,384	3,384	...
		Office Establishment.					
		Superintendent of Works.					
1	1	Head Clerk	80	80			
4	4	Clerks from Rs. 35, 30, 25, and 20 ...	110	110			
1	1	Cashier	40	40			
1	1	Draughtsman	40	40			
1	1	Surveyor	25	25			
3	3	Peons on Rs. 7	21	21			
11	11	Total ...	...	316	3,792	3,792	...
		Assistant Superintendent.					
1	1	Clerk	40	40			
2	2	Draughtsmen from Rs. 35 and 20 ...	70	70			
1	1	Surveyor	50	50			
3	3	Peons on Rs. 7	21	21			
7	7	Total ...	...	181	2,172	2,172	...

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Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1882-83—cont.

Number. 1881-82.	Number. 1882-83.	Particulars.	Salary of Office.	Estimate for 1882-83. Per Mensem.	Per Annum.	Total.	Estimate, 1882-83. Charges per Annum.
		CONSTRUCTION—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.
		Office Establishment—*cont.*					
		Sub-Engineer's Establishment.					
2	3	Clerks from Rs. 40, 25, and 20 ...	85	85			
1	1	Draughtsman	20	20			
2	2	Peons on Rs. 7	14	14			
5	6	Total ...	...	119	1,428	1,428	...
		Presidency House-rent and Allowances to Sub-Engineer, &c.	...	...	2,040	2,040	...
		Total, Salaries ...	...	...	...	51,336	...
		Travelling Allowances	...	...	...	3,000	...
		Office Expenses and Contingencies ...	...	...	...	1,500	...
		Total ...	...	...	...	55,836	...

Abstract of foregoing provision for Establishment.

—	Salaries.	Travelling Allowances.	Contingencies.	Total. 1882-83.	Total. 1881-82.
	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	5,000	...	...	5,000	...
Construction	51,336	3,000	1,500	55,836	...
Total ...	56,336	3,000	1,500	60,836	...

Madras,
15th May 1882.

(Signed) N. St. B. BEARDMORE, C.E.,
Ag. Superintendent, Madras Harbour Works.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 184.

READ—the following papers :—

From N. ST. B. BEARDMORE, Esq., C.E., Acting Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 15th May 1882, No. 7 W.

In accordance with G.O., No. 1022 W., dated 26th April 1882, I have the honor to submit a detailed Budget Estimate for the year 1882-83, showing approximately the appropriation of the 2 lakhs of rupees sanctioned for block-making, quarrying, and establishment.

No. 184-A.

From N. ST. B. BEARDMORE, Esq., C.E., Acting Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 8th June 1882, No. 13 W.

I have the honor to acknowledge your memorandum, No. 189 E., of the 2nd instant.

With regard to the first question, as to whether it will be necessary to expend during the current year on contingent works the whole of the Rs. 2,94,000 referred to in G.O., No. 698 W., of 17th March 1882, I have to offer the following remarks :—

	RS.	
Of the sum of Rs. 35,000 sanctioned for the revetment, this year should be spent at least	23,760	
The sums sanctioned for compensation to landholders in G.Os., Nos. 601 W. and 1037 W., of 8th March and 27th April 1882, have already been paid to the Collector, and I think he has settled the greater number of the claims.	51,342 240	
		75,342
Of the further sum, the estimated value of the land from A to the northern extremity of the land bounded with a green tint on the plan that accompanied Mr. Parkes's Report of the 4th February 1882		2,08,149

It may be a matter of consideration whether it should be expended during the current year, but I am of opinion, if it is *decided* to purchase the land, the money should be expended at once and the land brought into the possession of Government. From the point A to G northwards the same owners hold the land from the sea to the green

tire on the west, and it would be advisable to purchase the whole; but if from G to the furthest extremity north different owners hold the land between the eastern and western boundaries (viz., the sea and the green tint), some economy might be effected by purchasing only the eastern properties first of all, and waiting until the sea encroached further before purchasing the western division. I am not aware, however, how these lands are held, whether by the same owners from east to west or not.

I have had it under my consideration during the past week to address you on this subject independently of the receipt of your memorandum, for the sea has encroached so much during the past month as to place in danger the stables of the houses between C and G. In consequence of a proposition by Mr. Parkes to endeavour to leave an opening through the revetment and form a bay near the Police Tannah at Riyapuram for Masulah boats, I have extended a line of railway beyond the point A so as to form a "back shunt" in working the revetment southwards. This railway has been encroached on beyond the point A. I have had to patch in a little (and shall probably have to use more) stone to protect it. There is already a small revetment of stone made by us in the autumnal months of last year (before the storm of 12th November) in order to protect the abovementioned stables, and I have thought, unless the Government intend purchasing the land immediately, it might be worth while to extend the railway a little further and strengthen the revetment in front of the stables, so as to save the expense of rebuilding or of compensation for loss of rent, which would ensue should the stables be washed away.

Again, I have received the enclosed petition from T. Mooneappa Chetty, of Tondiarpetta Cuppam, a village further along the beach northwards. I have examined the premises, and what he says as to the amount of destruction is substantially correct. The property is within the area proposed to be purchased by Mr. Parkes, and the consideration of preserving it by revetment is on account of its distance northwards, and the small value of the land, altogether out of the question; but the fact of encroachment taking place here may bring to the attention of Government the advisability of immediately taking steps to purchase the land.

As to the second question of your memorandum, whether it is necessary to maintain the whole of the establishment, for which an estimate has been submitted, I should explain that the estimate for establishment is, with the exception of the Superintendent of Quarries, whose services were dispensed with, the same as existed last year. I entered the same, thinking that if the reconstruction of the works were vigorously carried out I should require the same number of men, but subsequent to the cyclone of November last a reduction was made in the office staff. The services of two Clerks on Rs. 30 and Rs. 20, respectively, were dispensed with, one Surveyor on Rs. 50 had left before. The Sub-Engineer is absent on six months' sick leave, saving Rs. 200 per month. These reductions, together with the fact of the Superintendent being absent on half pay, cause a reduction of about Rs. 1,385 per month for the year. I have already shown that the expenditure cannot with safety be reduced very much on the Beach Protection Works, and the establishment, as it now stands, is not more than enough to cope with the whole of the work before it. I take this opportunity of requesting permission to increase by Rs. 40 per month the salary of the Foreman of Engineers and Mechanics. It was promised to Mr. Gunther, the present Foreman, when he was appointed soon after the death of the previous Foreman in 1878, that he should eventually rise to the same salary, viz., Rs. 340. He has now Rs. 300, and the last time his salary was increased was in January 1880, more than two years ago. He is a very intelligent man, and has now a large amount of work, for a locomotive engine, a pair of stationary engines and their four boilers, with all the machinery of the stone-crushers, elevators, and concrete mixers are in pieces and being thoroughly repaired, besides which there is a large amount of other machinery yet to be repaired. I should also like permission to raise the pay of a Clerk Rs. 5 and of a Draughtsman Rs. 5, both of whom are good men and have been on the establishment a long time, and to have back again the Surveyor at Rs. 40 to Rs. 50 per month, for I want a more reliable man than I have at present. These latter three sums, it will be seen, are provided for in the estimate, and the whole alteration will decrease the sum of the abovementioned general reduction of the estimate to about Rs. 1,280 per month for the year.

SA 74-75
10

No. 185.

Order—dated 27th June 1882, No. 1622 W., Public Works.

Ordered that the Budget Estimate as submitted be forwarded to the Government of India.

2. The special matters referred to in the Acting Superintendent's letter of the 8th June 1882 should be brought forward separately for decision.

(Here enter No. 1623 W., dated 27th June 1882.)

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintendent, Madras Harbour Works.
" Examiner of Public Works Accounts.

Exd. A. F. Goodall
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.

PUBLIC WORKS.

Date of Issue, 27th.

Read. *Encl.*

G.O., 27th June 1882, No. 1622 W.

JUNE.

Nos. 184-185.

Madras Harbour Works.

Budget Estimate for 1882-83 *of the* —, forwarded to the Government of India.

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3RD JULY 1882, No. 1676 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 26.

LETTER—from

COLONEL R. H. SANKEY, C.B., R.E.,

Secretary to Government, Public Works Department,

Madras,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

Adverting to your letter, No. 169 M., dated 9th May 1882, I am desired to submit, for the information and orders of the Most Honorable the Governor-General in Council, the annexed approximate estimate (in abstract) for the completion of the Madras Harbour Works, accompanied by a General Report by the Chief Engineer.

Proceedings of Government, No. 1675 W., dated 3rd July 1882.

2. Your letter under reply directs that the expenditure on the southern outfall drain shall be borne by "Provincial" pending orders in regard to the whole of the charges to be incurred on the work, and this has, I am to say, been provisionally arranged for.

3. The Examiner of Public Works Accounts requires, however, that the other similar incidental charges adverted to at the close of your letter under reply shall now be defined, being of opinion that none of these should be debited against the provision of 2 lakhs sanctioned in your telegram dated 19th April 1882.

4. From the report herewith submitted it will be observed that in addition to the cost of the Harbour proper no less than 7½ lakhs are required for directly incidental or contingent works. Of this amount, Rs. 3,36,440 (including Rs. 13,500 for the work specifically under reference), the booked outlay to end of last official year, has already been debited against the general contingencies of the Estimate.

		Rs.
Estimate No. 2	... ...	4,50,000
„ „ 3	... ...	2,35,000
„ „ 4	... ...	45,000
„ „ 5	... ...	15,000
	Total ...	7,45,000

5. By the ruling contained in your letter under reply, the difference between the estimated and booked outlay, viz., Rs. 4,08,556, would have now to be met from Provincial assignments, but, with reference to this, I am to submit that, with the numerous pressing demands on ~~Provincial~~ Funds to meet the ordinary requirements

Provincial

of the Presidency, it is impossible for this Government to make the necessary provision, and the Right Honorable the Governor in Council therefore trusts that the Government of India will be pleased, on further consideration, to allow the whole of the charges for the incidental works directly connected with the Harbour, to be met as heretofore from Imperial.

6. No decision having as yet been received from the Secretary of State as to the plan of operations to be eventually followed in completing the works, it is out of the power of this Government to do more than furnish the best information at its disposal, and this has now been done.

7. To exhibit clearly the possible cost of completing the work, I am to submit the following table of estimates prepared by the officers named :—

Estimates for completing the works by different Authorities.	Total Probable Cost of works excluding the Incidental Charges.	Total Probable Cost of works including all Incidental Charges.	Remaining Outlay to be met after deducting from last column Total Booked Outlay to end of 1881-82.
	Rs.	Rs.	Rs.
Mr. Parkes's minimum, 15½ lakhs	72,53,735	80,28,735	19,74,649
Do. maximum, 18¼	75,68,735	83,03,735	22,49,649
Colonel Sankey's rough approximation, 25 lakhs.	82,03,735	89,78,735	29,24,649
Mr. G. L. Molesworth's rough approximation, 27 lakhs.	84,33,735	91,78,735	31,24,649

8. From the above it will be observed that in order to complete the whole of the works by the end of 1884-85, an average annual provision of funds, varying from 6¾ to about 10 lakhs will have to be made, and, pending final orders of the Secretary of State, the Right Honorable the Governor in Council requests that a further grant of 3½ lakhs may be made to meet the incidental charges of the current year.

I have the honor to be,

Sir,

Your most obedient servant,

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

Ootacamund,
31st July 1882.

Rd. A. F. Goodall.

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BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1882] Madras.

PUBLIC WORKS.

Dated July, 3rd.

Read *Rect.* 1

3rd July 1882, No. 1676 W.

JULY.

No. 26.

Madras Harbour Works.

COMPLETION of the —. The approximate estimate (in abstract) for the —, submitted, with remarks, for the information and orders of the Government of India.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 156.

READ—the following papers:—

Telegram from N. St. B. BEARDMORE, Esq., Madras, to the Secretary to Government, Public Works Department, Ootacamund, dated 19th October 1882.

Of grant two lakhs only twenty thousand remains. Must have money or prepare to close works end of this month.

No. 157-A.

G.O., dated 18th October 1882, No. 1508, Financial.

Read—the following letter from the Government of India, Department of Finance and Commerce, dated 7th September 1882, No. 3601:—

I am directed to acknowledge receipt of Colonel Sankey's letter to the Secretary to the Government of India in the Public Works Department, No. 26, dated the 3rd July 1882, in which it is requested that, pending the final orders of the Secretary of State as to the future operations to be undertaken in connection with the Madras Harbour Works, a further grant of 3½ lakhs of rupees may be made to enable the Government of Madras to meet the incidental charges of the current year.

2. In reply, I am desired to say that the state of the finances precludes the Government of India from imposing any additional burden on Imperial revenue in the present year in excess of what has been already sanctioned, but that, for the purpose of meeting the incidental charges, as well as the cost of stores indented for from England during the current year on account of the Madras Harbour, the contribution of Rs. 5,67,000 from Local Funds to Imperial, which, by an oversight, was transferred to credit of Provincial Funds in the estimates of the current year, may be treated as an Imperial grant for the Madras Harbour Works. The sum of Rs. 5,67,000 will therefore be credited to Imperial in the accounts of the year and the Public Works grant to Madras increased by an equal amount.

Order—dated 18th October 1882, No. 1508, Financial.

Recorded; and communicated to the Public Works Department with copy of G.O., No. 436, dated 8th of June 1882. The Board of Revenue will expedite the report called for in the last mentioned order.

(True Extract.)

(Signed) C. G. MASTER,
Chief Secretary.

No. 157.

ORDER—dated 24th October 1882, No. 2761 W., Public Works.

Communicated to the Superintendent, Madras Harbour Works, and to the Examiner, Public Works Accounts, with reference to G.O., No. 1675 W., dated 3rd July 1882.

(True Extract.)

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

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

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1882} Madras.

PUBLIC WORKS.

Dated October, 24th.

Recd. *Exd.*

G.O., 24th Oct. 1882, No. 2761 W.

OCTOBER.

Nos. 156-157.

Madras Harbour Works.

Letter from the Government of India expressing inability to make a further grant of 3½ lakhs of rupees from Imperial Funds for the —, but sanctioning the contribution of Rs. 5,67,000 from other sources, communicated to the Superintendent, Madras Harbour Works, and the Examiner, Public Works Accounts.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

No. 151.

Read—the following letter from N. St. B. BEARDMORE, Esq., C.E., Acting Superintendent, Madras Harbour Works, to the Deputy Chief Engineer, Public Works Department, dated Madras, 11th December 1882, No. 48 W.:—

I have the honor to forward the budget estimate for 1883-84, called for in your memorandum No. 2227 C., dated 5th December 1882.

No. 152.

Order—dated 21st December 1882, No. 3375 W., Public Works.

In April 1882 a grant of 2,00,000 was sanctioned by telegram to meet the outlay on block-making, quarrying and establishment charges during 1882-83 in connection with the Madras Harbour Works, and with G.O., No. 1622 W., of 27th June 1882, a budget estimate was submitted to the Government of India for that sum. A further grant of Rs. 3,67,000 was subsequently assigned for expenditure during 1882-83 to meet incidental charges as well as the cost of stores indented for from England.—*Vide* G.Os., 2961-62 W. and 3048 W., dated respectively 24th October and 17th November 1882. The total grant for the works during 1882-83 is thus Rs. 5,67,000.

2. No specific assignment has been made by the Government of India for the next official year, 1883-84. A budget estimate has however now been prepared for a similar amount, viz., Rs. 5,67,000, and this will be forwarded for the approval and sanction of the Government of India.

(Here enter No. 3376 W., dated 21st December 1882.)

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

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

No. 153.

Endorsement—dated 21st December 1882, No. 3376 W., Public Works.

Copy of the above forwarded to the Government of India.

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Govt., P.W.D.

Exd. S. T. Austin.
Spare Copies

GENERAL.
ACCOUNT.

Govt. of (1882) Madras.

PUBLIC WORKS.

Dated December, 21st.

Read. *Enc*

G.O., 21st Dec. 1882. No. 3376 W.

DECEMBER.
Nos. 151—153.

Madras Harbour Works.

Budget estimate for the — for 1883-84.

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BUDGET ESTIMATE OF EXPENDITURE ON THE HARBOUR WORKS IN MADRAS DURING 1883-84.

PART I.—SECTION A.

—	Budget Estimate, 1881-82.	Regular Estimate, 1881-83.	Budget Estimate, 1882-83.	Actual, 1881-82.
	Rs.	Rs.	Rs.	Rs.
Reconstruction	3,22,602	3,32,602	1,00,000	6,63,858
Repairs	...	...	5,000	...
Establishment	60,956	60,836	60,836	59,443
Tools and Plant	10,000	2,003	10,000	5,000
Suspense	1,73,442	1,71,562	24,164	61,458
Total ...	5,67,000	5,67,000	2,00,000	7,89,759

	Rs.
Payments in India	3,93,558
Do. in England	1,73,442
Total ...	5,67,000

(Signed) N. ST. B. BEARDMORE, C.E.,
Ag. Superintendent, Madras Harbour Works.

GOVERNMENT OF MADRAS.

PART III.

Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1883-84.

Numbers.		Particulars.	Salary of Office.	Estimate for 1883-84.			Estimate, 1883-84.
1882-83.	1883-84.			Per Mensem.	Per Annum.	Total.	Charges per Annum.
		DIRECTION.	Rs.	Rs.	Rs.	Rs.	Rs.
		Engineer Establishment.					
1	1	Engineer-in-Chief	...	...	5,000	5,000	...
1	1	Total, Direction ...	...	...	5,000	5,000	...
		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	23,400	...
		Upper Subordinate Establishment.					
1	1	Sub-Engineer	400	400			
1	1	Foreman of Works	400	400			
1	1	Mechanical Engineer	300	300			
1	1	Accountant	170	170			
4	4	Total ...	...	1,270	15,240	15,240	...
		Petty Establishment.					
1	1	Store-keeper	220	220			
2	2	Writer and Lascar from Rs. 30 and 7.	37	37			
1	1	Godown-keeper	25	25			
4	4	Total ...	...	282	3,384	3,384	...
		OFFICE ESTABLISHMENT.					
		Superintendent of Works.					
1	1	Head Clerk	80	80			
4	4	Clerks from Rs. 35, 30, 25 and 20 ...	110	110			
1	1	Cashier	40	40			
1	1	Draughtsman	40	40			
1	1	Surveyor	25	25			
3	3	Peons on Rs. 7	21	21			
11	11	Total ...	...	316	3,792	3,792	...
		Assistant Superintendent.					
1	1	Clerk	40	40			
2	2	Draughtsmen from Rs. 30 and 20 ...	70	70			
1	1	Surveyor	50	50			
3	3	Peons on Rs. 7	21	21			
7	7	Total ...	...	181	2,172	2,172	...

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Detail of the Budget Estimate for Establishments for the Harbour Works, &c.—cont.

Numbers.		Particulars.	Salary of Office.	Estimate for 1883-84.			Estimate, 1883-84.
1882-83.	1883-84.			Per Mensem.	Per Annum.	Total.	Charges per Annum.
		CONSTRUCTION—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.
		OFFICE ESTABLISHMENT—*cont.*					
		Sub-Engineer Establishment.					
3	3	Clerks from Rs. 40, 35 and 20 ...	85	85			
1	1	Draughtsman	20	20			
2	2	Peons on Rs. 7	14	14			
6	6	Total ...	...	119	1,428	1,428	...
		Presidency House-rent and Allowances to Sub-Engineer, &c.	...	...	2,040	2,040	...
		Total, Salaries ...	...	...	...	51,456	...
		Travelling Allowances	...	...	...	3,000	...
		Office Expenses and Contingencies ...	...	...	...	1,500	...
		Total ...	...	...	...	55,956	...

ABSTRACT OF FOREGOING PROVISION FOR ESTABLISHMENT.

	Salaries.	Travelling Allowances.	Contingencies.	Total.	
				1883-84.	1882-83.
	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	5,000	...	...	5,000	...
Construction	51,456	3,000	1,500	55,956	...
Total ...	56,456	3,000	1,500	60,956	...

MADRAS,
December 1882.

(Signed) N. St. B. BEARDMORE, C.E.,
Ag. Superintendent, Madras Harbour Works.

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

PART I, SECTION A.

—	Budget Estimate, 1884-85.	Regular Estimate, 1883-84.	Budget Estimate, 1883-84.	Actual, 1882-83.
	Rs.	Rs.	Rs.	Rs.
Reconstruction	1,00,000	1,55,149	3,22,602	4,12,823
Repairs	...	...	...	...
Establishment	54,860	72,476	60,956	56,243
Tools and Plant	5,000	4,671	10,000	2,334
Suspense	20,000	47,332	1,73,442	26,682
Total ...	1,79,860	2,79,628	5,67,000	4,98,082

	Rs.
Payments in England	5,000
Do. in India	1,74,860
Total ...	1,79,860

MADRAS,
9th October 1883.

(Signed) F. N. THOROWGOOD, M. INST. C.E.,
Superintendent, Madras Harbour Works.

GOVERNMENT OF MADRAS.

PART III.

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

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84. Charges per Annum.
			Rs.	Rs.	Rs.	Rs.	Rs.
		DIRECTION.					
		Engineer Establishment.					
1	1	Engineer-in-Chief	...	...	5,000		
1	1	Total, Direction Salaries ...	...	...	5,000	5,000	5,000
		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	...	23,400
		Upper Subordinate Establishment.					
1	1	Sub-Engineer First Grade ...	400	400			
1	1	Foreman of Works	400	400			
1	1	Mechanical Engineer	800	800			
1	1	Accountant, Fourth Grade, ...	107	107			
4	4	Total ...	...	1,207	14,484	...	15,240
		Petty Establishment.					
1	1	Storekeeper	220	220			
1	1	Writer or Assistant Storekeeper.	30	30			
1	1	Godownkeeper	25	25			
1	1	Lascar	7	7			
4	4	Total ...	...	282	3,384	...	3,384
		Office Establishment.					
		Superintendent of Works.					
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	...	3,792
		Assistant Superintendent.					
7	1	Clerk	35	35			
	1	Draftsman	45	45			
	1	Do.	20	20			
	3	Peons	7	21			
7	6	Total ...	...	121	1,452	...	2,172

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

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84. Charges per Annum.
		CONSTRUCTION—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.
		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	...	2,040
		Total, Construction Salaries ...	...	...	...	48,360	51,456
		Travelling Allowances ...	...	...	...	1,000	3,000
		Office Expenses and Contingencies.	...	...	...	500	1,500
		Grand Total ...	...	...	...	54,860	60,956

Abstract of foregoing provision for Establishment.

—	Salaries.	Travelling Allowances.	Contingencies.	Total. 1884-85.	Total. 1883-84.
	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	5,000	...	...	5,000	5,000
Construction	48,360	1,000	500	49,860	55,956
Total ...	53,360	1,000	500	54,860	60,956

Madras,
9th October 1883.

(Signed) F. N. THOROWGOOD, M. Inst. C.E.,
Superintendent, Madras Harbour Works.

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

PART I, SECTION A.

—	Budget Estimate, 1884-85.	Regular Estimate, 1883-84.	Budget Estimate, 1883-84.	Actual, 1882-83.
	Rs.	Rs.	Rs.	Rs.
Reconstruction	8,00,000	1,55,149	3,22,602	4,12,823
Repairs	...	...	...	...
Establishment	60,476	72,476	60,956	56,243
Tools and Plant	2,17,000	4,671	10,000	2,334
Suspense	2,50,000	47,332	1,73,442	26,682
Total ...	13,27,476	2,79,628	5,67,000	4,98,082

	Rs.
Payments in England	3,37,000
Do. in India	9,90,476
Total ...	13,27,476

MADRAS,
9th October 1883.

(Signed) F. N. THOROWGOOD, M. INST. C.E.,
Superintendent, Madras Harbour Works.

GOVERNMENT OF MADRAS.

PART III.

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

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84. Charges per Annum.
			Rs.	Rs.	Rs.	Rs.	Rs.
		DIRECTION.					
		Engineer Establishment.					
1	1	Engineer-in-Chief	...	...	5,000		
1	1	Total, Direction Salaries ...	...	...	5,000	5,000	5,000
		CONSTRUCTION.					
		Executive Establishment.					
1	1	Superintendent of Works ...	1,250	1,250			
1	1	Assistant Superintendent ...	700	700			
2	2	Total ...	...	1,950	23,400	...	23,400
		Upper Subordinate Establishment.					
1	1	Sub-Engineer, Third Grade ...	250	250			
1	1	Head Foreman of Works ...	400	400			
1	1	Mechanical or Foreman Engineer	350	350			
1	1	Accountant, Fourth Grade ...	107	107			
4	4	Total ...	...	1,107	13,284	...	15,240
		Petty Establishment.					
1	1	Chief Storekeeper	220	220			
1	1	Assistant Storekeeper	35	35			
1	1	Godown-keeper	25	25			
...	1	Writer for copying	15	15			
1	2	Lascars	7	14			
4	6	Total ...	...	309	3,708	...	3,384
		Office Establishment.					
		Superintendent of Works.					
11	1	Managing Clerk	100	100			
	1	Clerk	40	40			
	3	Clerks	30	90			
	1	Writer for copying	15	15			
	1	Cashier	45	45			
	1	Draftsman	50	50			
	1	Second do.	30	30			
	3	Peons	7	21			
11	12	Total ...	...	391	4,692	...	3,792

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

Number. 1883-84.	Number. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84. Charges per Annum.
		CONSTRUCTION—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.
		Office Establishment—*cont.*					
		Assistant Superintendent.					
7	1	Clerk	40	40			
	1	Surveyor	50	50			
	1	Draftsman	25	25			
	3	Peons	7	21			
7	6	Total ...	...	136	1,632	...	2,172
		Sub-Engineer Establishment.					
1	1	First Clerk and Timekeeper ...	40	40			
1	1	Second Clerk	30	30			
1	1	Stone Quarry Clerk	20	20			
1	1	Draftsman	25	25			
2	2	Peons	7	14			
6	6	Total ...	...	129	1,548	...	1,428
		Special Establishment for Collecting Rents.					
...	1	Clerk	35	35			
...	1	Canicopillay	20	20			
...	3	Peons	7	21			
...	5	Total ...	...	76	912	...	...
		Presidency House-rent and Allowance to Sub-Engineer, Head Foreman of Works, and Accountant	...	150	1,800	...	2,040
		Total, Construction Salaries ...	...	...	...	50,976	51,456
		Travelling Allowances ...	...	...	...	3,000	3,000
		Office Expenses and Contingencies	...	...	...	1,500	1,500
		Grand Total ...	...	...	...	60,476	60,956

Abstract of foregoing provision for Establishment.

	Salaries.	Travelling Allowances.	Contingencies.	Total. 1884-85.	Total. 1883-84.
	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	5,000	...	...	5,000	5,000
Construction	50,976	3,000	1,500	55,476	55,956
Total ...	55,976	3,000	1,500	60,476	60,956

MADRAS,
9th October 1883.

(Signed) F. N. THOROWGOOD, M. INST. C.E.,
Superintendent, Madras Harbour Works.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From F. N. THOROWGOOD, Esq., M. INST. C.E., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated Madras, 8th October 1883, No. 26 W.

I have the honor to draw attention to the contents of a letter received this day from the Examiner of Public Works Accounts, and to ask for orders on the subject.

2. It will be seen, on referring to G.O., No. 3375 W., of 21st December 1882, and again to G.O., No. 2709 W., of 26th September 1883, that a sum of Rs. 5,67,000 was clearly granted for the maintenance of these works and their reduced staff during the year 1883-84.

3. In the course of ordinary official correspondence with the Examiner, Public Works Accounts, in August and September 1883, in which the Examiner had referred to this sum of Rs. 5,67,000 as the grant for 1883-84, I asked that officer to state by what order of Government he considered this sum to be granted, and his reply was to the effect that the order of 21st December 1882, was supposed to give sanction to the sum of Rs. 5,67,000 as the budget grant of 1883-84, pending sanction of the Government of India.

4. The official year is now more than half spent, and all works of repair, surveying, protection, &c., have been carried on under the belief that Rs. 5,67,000 was the available sum for expenditure; the sum expended up to 30th September being (more or less) Rs. 1,35,102, including all things.

5. I have this day received a letter from the Examiner, No. 506 X, of October 6th, in which he informs me that Rs. 2,30,000 is the grant for the year 1883-84.

6. If this be really the case, there will not be sufficient funds to pay the salaries of the present staff to the end of the current year, the very smallest sum required for the whole year being Rs. 2,79,628 as arrived at by taking the expenditure up to September 30th and doubling it to include the remaining six months.

7. Without abolishing the whole staff I do not see how the expenditure can be brought down to Rs. 2,30,000 for the year, although had I known in March of this year that only that sum was available, it might have been possible to stop some works of repair which have been carried on and so saved money. I therefore have the honor to ask for orders on this subject.

Office note from the Examiner of Public Works Accounts, dated 12th October 1883, No. 729.

Finding that there was great delay in according Government of India's sanction to the grant of Rs. 5,67,000 budgetted for the Madras Harbour Works, I asked the Accountant-General, Public Works Department, whether I am to continue to enter that amount as the grant for the work in the several returns prepared by this office.

2. In reply I received the Accountant-General's letter, No. 786 G., dated the 28th September 1883, copy of which is herewith forwarded, intimating that the grant sanctioned for the current year is Rs. 2,80,000, and in which you will observe no reason is given for reducing the grant proposed in the budget.

ENCLOSURE.

Letter from the Accountant-General, Public Works Department, to the Examiner, Public Works Accounts, Madras, dated 28th September 1883, No. 786 G.

I have the honor to inform you, in reply to your letter, No. 159 A., of the 14th instant, that the grant sanctioned for the current year on account of the Madras Harbour Works is Rs. 2,80,000 under Productive Public Works, and that you should quote this amount in your books and returns in place of the sum of Rs. 5,07,000 referred to by you.

ORDER—dated 24th October 1883, No. 3004 W., Public Works.

Ordered that the Government of India be addressed.

(Here enter No. 3005 W., dated 24th October 1883.)

(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. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated October, 24th.

Read. *Encl.*

G.O., 24th Oct. 1883, No. 3004 W.

OCTOBER.

Madras Harbour Works

The Government of India to be addressed with reference to the intimation received by the Examiner, Public Works Accounts, from the Accountant-General, Public Works Department, that the grant for 1883-84 *for the* — is only Rs. 2,30,000.

2976-75
2A

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

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,

In continuation of this department endorsement, No. 2710 W., dated 26th September 1883, I am directed to forward the accompanying correspondence,* and to request that the Government of India may be moved to accord early sanction to the budget estimate, amounting to Rs. 5,67,000, of expenditure on the Madras Harbour Works during 1883-84, forwarded with this department No. 3376 W., dated 21st December 1882.

* Proceedings of Government, No. 3004 W., dated 24th October 1883.

2. I am to add that no order fixing the grant for 1883-84 at Rs. 2,30,000 has been communicated to this Government.

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

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

OOTACAMUND,
24th October 1883.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated October, 24th.

Recd. *Encl.*

G.O., 24th Oct. 1883, No. 3004 W.

OCTOBER.

Madras Harbour Works

The Government of India to be addressed with reference to the intimation received by the Examiner, Public Works Accounts, from the Accountant-General, Public Works Department, that the grant for 1883-84 *for the* — is only Rs. 2,30,000.

5976-75
2A

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

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,

In continuation of this department endorsement, No. 2710 W., dated 26th September 1883, I am directed to forward the accompanying correspondence,* and to request that the Government of India may be moved to accord early sanction to the budget estimate, amounting to Rs. 5,67,000, of expenditure on the Madras Harbour Works during 1883-84, forwarded with this department No. 3376 W., dated 21st December 1882.

* Proceedings of Government, No. 3004 W., dated 24th October 1883.

2. I am to add that no order fixing the grant for 1883-84 at Rs. 2,30,000 has been communicated to this Government.

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

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

OOTACAMUND,
24th October 1883.

Fwd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated October, 24th.

Recd. Encl.

24th Oct. 1883, No. 3005 W.

OCTOBER.

Madras Harbour Works

Requesting early sanction to the budget estimate for 1883-84 for the — ; and pointing out that nothing has been communicated regarding the grant having been fixed at Rs. 2,30,000 as reported by the Accountant-General, Public Works Department.

2974-75
25

23rd November 1883, No. 3368 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Major A. G. Beggs, R.E., Officiating Under Secretary to the Government of India, Public Works Department (Account—General), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 15th November 1883, No. 330 A.G.:—

I am directed to acknowledge the receipt of your letter, No. 3005 W., of the 24th ultimo, and to state that the Government of India has been pleased to sanction an additional Productive Public Works grant during the current year of Rs. 50,000 on account of outlay to be incurred on the Madras Harbour Works, making in all a total grant of Rs. 2,80,000, for the year.

Order—dated 23rd November 1883, No. 3368 W., Public Works.

Communicated to the Superintendent, Madras Harbour Works, in continuation of G.O., No. 3362 W., dated 23rd November 1883.

2. The revised budget estimate for 1883-84 will now be drawn up for Rs. 2,80,000, and submitted as early as possible.

(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.

Encl. E. Fernander.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1883] Madras.

PUBLIC WORKS.

Dated November, 28rd.

Read. *Encl.*

G.O., 28rd Nov. 1883, No. 3368 W.

NOVEMBER.

Madras Harbour Works

The sanction by the Government of India of an additional grant for the —, communicated to the Superintendent with instructions for the preparation of the budget for 1883-84.

2974-TS
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FINAL ISSUE.

PART I, SECTION A.

BUDGET ESTIMATE OF EXPENDITURE ON THE HARBOUR WORKS IN MADRAS DURING 1883-84.

—	Budget Estimate, 1882-84	Revised Estimate, 1882-83.	Budget Estimate, 1882-83.	Actuals.	
				1882-83.	1881-82.
	Rs.	Rs.	Rs.	Rs.	Rs.
Original Works (Reconstruction)	1,68,192	3,56,741	1,00,000	4,12,823	6,63,858
Repairs	...	...	5,000	...	...
Establishment	72,476	56,243	60,836	56,243	71,084
Tools and Plant	—8,000	2,334	10,000	2,334	54,817
Suspense	47,332	26,682	24,164	26,681	—1,00,699
Total ...	2,80,000	4,42,000	2,00,000	4,98,081	6,89,060

	Rs.
Payments in India	2,52,000
Do. in England	28,000
Total ...	2,80,000

MADRAS,
30th November 1883.

(Signed) F. N. THOROWGOOD, M. Inst., C.E.,
Superintendent, Madras Harbour Works.

GOVERNMENT OF MADRAS.

PART III.

Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1883-84.

Numbers. 1882-83.	Numbers. 1883-84.	Particulars.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83. Charges per Annum.
			Rs.	Rs.	Rs.	Rs.	Rs.
		DIRECTION.					
		Engineer Establishment.					
1	1	Engineer-in-Chief	...	...	6,076		
		Arrears of salary of do. for 1882-83 adjusted in 1883-84.	...	...	3,000		
		For professional services and expenses of Sir J. Hawkshaw, Sir T. Code, and Professor Stokes in England (*vide* G.O., No. 1849 W., dated 3rd July 1883), £855-3-0	...	...	10,393		
1	1	Total, Direction Salaries ...	...	...	19,469	19,469	...
		CONSTRUCTION.					
		Engineer Establishment.					
1	1	Superintendent of Works ...	1,250	1,250	15,000		
1	1	Assistant Superintendent ...	700	700	8,400		
		Absentee allowance of Superintendent paid in England (*vide* G.O., No. 636 W., dated 2nd March 1883), £115-3-1, adjusted in 1883-84	...	...	1,382		
		Acting Assistant Superintendent (*vide* G.O., No. 1108 W., dated 13th April 1883)	...	...	450		
2	2	Total ...	...	...	25,232	25,232	...
		Upper Subordinate Establishment.					
1	1	Sub-Engineer, 1st Grade ...	400	400	4,800		
1	1	Foreman of Works	400	400	4,800		
1	1	Mechanical Engineer	300	300	3,600		
1	1	Accountant, 3rd Grade, for two months	170	170	340		
		Do. 4th Grade, for ten months	100	100	1,000		
4	4	Total ...	...	...	14,540	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	...

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Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1883-84—cont.

Numbers. 1882-83.	Numbers. 1883-84.	Particulars.	Salary of Office.	Estimate for 1883-84. Per Mensem.	Per Annum.	Total.	Estimate for 1882-83. Charges per Annum.
		CONSTRUCTION—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.
		Office Establishment.					
		Superintendent of Works.					
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	...
		Assistant Superintendent.					
7	1	Clerk for seven months (for the remainder on special duty—*vide* G.O., No. 2837 W., dated 9th October 1883)	35	35	245		
	1	Draftsman for seven months (for the remainder on special duty—*vide* G.O., No. 2837 W., dated 9th October 1883) ...	45	45	315		
	1	Do.	20	20	240		
	3	Peons	7	21	252		
7	6	Total ...	...	...	1,052	1,052	...
		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 allowance to Sub-Engineer, &c. ...	...	...	1,840	1,840	...
		Total, Construction Salaries ...	...	...	...	49,888	...
		Travelling Allowances ...	...	...	...	2,000	...
		Office expenses and contingencies.	...	...	...	1,119	...
		Grand Total ...	...	...	...	72,476	...

Abstract of foregoing Provision for Establishment.

	Salaries.	Travelling Allowances.	Contingencies.	Total. 1883-84.	Total. 1882-83.
	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	19,469	...	...	19,469	...
Construction	49,888	2,000	1,119	53,007	...
Total ...	69,357	2,000	1,119	72,476	...

Madras,
30th November 1883.

(Signed) F. N. THOROWGOOD, M. Inst., C.E.,
Superintendent, Madras Harbour Works.

2974-75
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5th December 1883, No. 3493 W., Public 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, 30th November 1883, No. 36 W.:—

In compliance with G.O., No. 3368 W., of 23rd November 1883, I have the honor to submit a revised budget estimate for the current year, made out for a total of Rs. 2,80,000.

2. It now seems possible that, by reason of the sale of materials and the transfer of cement to other divisions of the Public Works Department, the whole amount shown in the estimate may not be required; but it appears to me to be very desirable to be provided with sufficient funds to meet a possible contingency from further sea-damage, as the stormy season is not yet passed. Also, in the possible event of active operations being resumed in February, there will arise a sudden call for more money than would otherwise have been required.

Order—dated 5th December 1883, No. 3493 W., Public Works.

Ordered that the Final Issue of the Madras Harbour Works Budget Estimate for 1883-84, which has been prepared for the amount allotted by the Government of India in their letters quoted in the margin, viz., Rs. 2,80,000, be printed, and thirty copies forwarded to the Government of India.

No. 312 A.G., dated 3rd November 1883.
„ 330 A.G., „ 15th „ „

(Here enter No. 3494 W., dated 5th December 1883.)

(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.

Exd. E. Fernandez.
Spare Copies

GENERAL ACCOUNT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated December, 5th.

Read. *Encl.*

G.O., 5th Dec. 1883, No. 3493 W.

DECEMBER.

Madras Harbour Works

Final Issue of the Budget Estimate of the — for 1883-84.

2974-75
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BUDGET ESTIMATE OF EXPENDITURE ON THE HARBOUR WORKS IN MADRAS DURING 1884-85.

PART I, SECTION A.

—	Budget Estimate, 1884-85	Revised Estimate, 1883-84.	Budget Estimate, 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

	Rs.
Payments in England	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.

GOVERNMENT OF MADRAS.

PART III.

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

Numbers. 1883-84.	Numbers. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84. Charges per Annum.
			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.					
		Superintendent of Works.					
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
		Assistant Superintendent.					
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

2974-75
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Detail of the Budget Estimate for Establishments for the Harbour Works in Madras for 1884-85—cont.

Numbers. 1883-84.	Numbers. 1884-85.	Particulars.	Salary of Office.	Estimate for 1884-85. Per Mensem.	Per Annum.	Total.	Estimate for 1883-84. Charges per Annum.
		CONSTRUCTION—*cont.*	Rs.	Rs.	Rs.	Rs.	Rs.
		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			
3	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.	Contingencies.	Total. 1884-85.	Total. 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.

2974-75
31

28TH MARCH 1884, No. 852 W., PUBLIC WORKS.

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 expenditure recorded under Productive Public Works to the end of 1882-83 on account of the Harbour Works, amounting to Rs. 53,30,708,* should be written back 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.

	Rs.
*1878-79	25,93,566
1879-80	8,50,000
1880-81	7,00,000
1881-82	6,89,060
1882-83	4,98,082

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 Government of India, for the present be brought to account by charge to "*Loans to Presidency 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.

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

2974-75
32

GENERAL.
ACCOUNT.

Govt. of 1884 Madras.

PUBLIC WORKS.

Dated March, 28th.

Read. *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.

Cus 87 & 597A-75
33

Sir,

I am directed to forward a despatch as noted in the margin forwarding Letter Nos. 852 W. dated 28th March 1884 from the Government of Madras, and to request that you will move the Secretary of State in Council to sanction the Budget Estimate for the Madras Harbour Works for 1884-85 amounting to Rupees Sixty-two lakhs.

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

974-75

2974-75
38

No. 2711

From

The SUPERINTENDENT,
MADRAS HARBOUR WORKS,

To

The Secretary to Government
P. W. Department
Madras

Madras, 4 October 1883.

Sir,

Enclosures

I have the honour to forward two Budget Estimates for 1884-85, one based on the present state of affairs and the other on the presumption that active operations will be resumed by the end of the current official year, as directed in G.O. No. 2758 W. dated 2nd October 1883.

I have the honour to be,
Sir,
Your most Obedient Servt
[illegible]
Superintendent
Madras Harbour Works

Buildings & Roads

For 1884-85

From

The Superintendent

Harbour Works

Dated 9 October 1883

No 374.

Enclosures two

Forwards two Budget Estimates for 1884-85 as requested.

Madras
9th October
1883

Hollingwood
Superintendent Harbour Works

2976-85-2
X

Budget Estimate of Expenditure on the Harbour Works in Madras during 1884-85

Part I. Section X.

	Budget Estimate 1884-85	Revised Estimate 1883-84	Budget Estimate 1883-84	Actual 1882-83
	Rs	Rs	Rs	Rs
Reconstruction	800000	155149	832602	412923
Repairs				
Establishment	60576	72876	60576	58243
Tools & Plant	247000	3671	10000	2324
Contingencies	220000	47337	173402	26682
Total	1327476	279633	1076580	500232

	Rs
Payments in England	337000
Do. in India	990476
Total Rupees	1327476

Government of Madras

Part III

Detail of the Budget Estimate for Establishment for the Marine Works at Madras for 1884-85

Number 1883-84	Number 1884-85	Particulars	Salary Estimate for 1884-85 Office	Per Annum	Per Annum	Total	Estimate for 1883-84 Charges per Annum
		Direction					
		Engineer Establishment					
1	1	Engineer-in-Chief				5000	
1	1	Total Direction Salaries				5000	5000
		Construction					
		Engineer Establishment					
1	1	Superintendent of Works	1250	1250			
1	1	Assistant Superintendent	700	700			
2	2	Total	-	1950	21450		23400
		Office Subordinate Establishment					
1	1	Sub Engineer 3d Grade	350	350			
1	1	Head Foreman of Works	400	400			
1	1	Mechanical or Foreman Engineer	350	350			
1	1	Accountant 4th Grade	107	107			
4	4	Total	-	1107	13284		15240
		Petty Establishment					
1	1	Chief Storekeeper	220	220			
1	1	Assistant Storekeeper	35	35			
1	1	Godown keeper	25	25			
1	1	Writer for Copying	15	15			
1	2	Lascars	7	14			
4	6	Total	-	309	3708		3384
		Office Establishment					
		Superintendent of Works					
1	1	Managing Clerk	100	100			
1	1	Clerk	40	40			
3	3	Do	30	90			
1	1	Writer for Copying	15	15			
1	1	Cashier	45	45			
1	1	Draughtsman	50	50			
1	1	2d Do	30	30			
3	3	Peons	7	21			
11	12			391	4692		3792

Detail of the Budget Estimate for Establishments for the Marine Works at Madras continued

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Number 1883-84	Number 1884-85	Particulars	Salary Estimate for 1884-85 Office	Per Annum	Per Annum	Total	Estimate for 1883-84 Charges per annum
		Construction Continued					
		Office Establishment continued					
		Assistant Superintendent					
7	1	Clerk		40	40		
	1	Surveyor		50	50		
	1	Draughtsman		25	25		
	3	Peons		7	21		
7	6	Total			136	1632	2172
		Sub Engineer Establishment					
1	1	1st Clerk & Timekeeper		40	40		
1	1	2d Clerk		30	30		
1	1	Stone Quarry Clerk		20	20		
1	1	Draughtsman		25	25		
2	2	Peons		7	14		
6	6	Total	-		129	1548	1428
		Special Establishment for Collecting Rents					
"	1	Clerk		35	35		
"	1	Canicopillay		20	20		
"	3	Peons		7	21		
"	5	Total	"		76	912	"
		Presidency House Rent & allowance to Sub Engineer & Head Foreman of work & accountant	-		150	1800	2040
		Total Construction Salaries	-	-	-	50976	51456
		Travelling Allowances	-	-	-	3000	3000
		Office Expenses & Contingencies	-	-	-	1500	1500
		Grand Total	-	-		60476	60956

Abstract of foregoing provision for Establishment

	Salaries	Travelling allowance	Contingencies	Total 1884-85	Total 1883-84
Direction	5000	-	-	5000	5000
Construction	50976	3000	1500	55476	55956
Total	55976	3000	1500	60476	60956

Madras 9th October 1883.

W. Hancock Lt.
Superintendent Marine Works

Ex/o

this

DTH-75
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Budget Estimate of Expenditure on the Harbour Works in Madras during 1884-85

Part I Section A

	Budget Estimate 1884-85.	Regular Estimate 1883-84	Budget Estimate 1883-84	Actual 1882-83
	Rs.	Rs	Rs	Rs
Reconstruction	100000	166149	322602	412823
Repairs	-	-	-	-
Establishment	54860	72476	60956	56243
Tools and Plants	5000	4671	10000	2334
Suspense	20000	47332	173442	26682
Total	179860	279628	567000	498082

	Rs.
Payments in England	5000
Do in India	174860
Total	179860

Madras
5th October
1883

W. Thomson & Co.
Superintendent Madras Harbour Works

Re 2974 W

PUBLIC WORKS DEPARTMENT.

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PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 19th October 85

READ the following

From the Supt. M H W No. 27 W. d/ 9th Octr 85

The alternative Budget estimates for expenditure on the Madras Harbour Works during 1884-85, submitted with the foregoing letter, will be forwarded to the Government of India, with a recommendation that either one or other be sanctioned, according as a decision may be arrived at on the Harbour Restoration Committee's report, transmitted with letter from this

Department — No. 2862 W

Dated 11th October 1883

H E — No. 2975 W dated 5th Oct/83