(1) Number of pages 32

(2) Date of repair 3-8-87

(3) Initials of the Referencer

# TAMIL NADU ARCHIVES

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## GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

G.O. No. / B.P. No. 3458-W

Press. / Mis.

Dated 3-12-1883 ~~198~~ .

*Not to be folded or roughly handled.*

Archives —I 10,006–9 88

3rd December 1883, No. 3458 W., Public Works.

# GOVERNMENT OF MADRAS.

3458
1

## PUBLIC WORKS DEPARTMENT.

General.
Account.

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 23rd November 1883, No. 34 W.—Through the Examiner, Public Works Accounts.

It will be remembered that in G.O., No. 3180 W., of 22nd December 1881, it was ordered that the estimate for the Madras Harbour should be debited with the sum of Rs. 13,663 for the work of extending the outfall of the fort drain into the sea. The money was paid from this office on 14th March 1882, by cheque, to the President of the Madras Municipality, before the work was completed, and while it was in a very early stage of progress. I am informed by the President of the Municipality that the drain is now quite completed and in working order, and I have asked for a statement of what the actual work cost, as I apprehend that, although the sanction of Government was given to the full amount of the estimate of Rs. 13,633, it was not intended that the whole should be retained if the work cost less than that amount.

2. I have no means of judging what the work cost, but as the estimate seems to me to be rather high when I consider the whole intercepting sewer from the fort to Ráyapuram (2,160 yards) built in Portland cement cost only Rs. 24,284, and as the funds at disposal for the Harbour Works are very small, I felt it my duty to inquire whether the whole of that sum of Rs. 13,633 had been expended on the work for which it was granted, and if it had not been expended to ask that the balance may revert to the Harbour Works again.

3. In reply to my inquiry on November 13th, the President of the Municipality directs me to "address Government for such information as I may require," and I therefore respectfully ask that I may be furnished by the Municipality with a detailed account of the expenditure upon this drain.

---

From F. N. THOROWGOOD, Esq., M.Inst.,C.E., Superintendent, Madras Harbour Works, to the Secretary to Government, Public Works Department, dated 27th November 1883, No. 35 W.

I have the honor to request that you will be kind enough to allow me to correct an error in my letter, No. 34 W., of 23rd November 1883, paragraph 2, in which I state that the cost of the whole intercepting sewer along the beach was Rs. 24,284.

2. I find that, through an oversight of mine, this sum does not include the cost of making the drain outside the harbour from the south pier to the fort. The total cost including this sum is Rs. 34,312. This mistake I hasten to correct immediately on discovering it.

3. With reference also to the same letter, I have, since despatching it, received G.O., No. 3304 W., of 20th November 1883, which shows me that the extension of the drain, to which I referred, has cost more than the estimate made by the Municipal Engineer, and that the Harbour Works must bear the excess. I still, however, beg that I may be supplied with the details of expenditure.

From D. C. GORDON, Esq., Examiner of Public Works Accounts, to the Secretary to Government, Public Works Department, dated Madras, 28th November 1883, No. 159 W.

In transmitting letter, No. 34 W., dated 23rd November 1883, from the Superintendent, Madras Harbour Works, to your address, I have the honor to enclose copy of my letter, No. 965 X., dated 9th March 1883, to the Superintendent, Madras Harbour Works (copy of which was also furnished to the President, Madras Municipality), pointing out that a completion certificate for the work would be required.

2. From G.O., No. 3304, dated 20th November 1883, it appears that the sanctioned estimate was exceeded by Rs. 2,350-6-7.

ENCLOSURE.

From the Examiner, Public Works Accounts, Madras, to the Superintendent, Madras Harbour Works, dated 9th March 1883, No. 965 X.

With reference to G.O., No. 449 W., dated the 18th February 1882, I have the honor to state that I have asked the Accountant-General, Madras, to place a sum of Rs. 13,600 at your disposal, and shall be obliged by your paying Rs. 13,663 to the President of the Madras Municipality on account of the extension of the southern main drain near the fort. The payment should be charged to the Harbour Works, and a completion certificate obtained from the President in due course.

ORDER—dated 3rd December 1883, No. 3458 W., Public Works.

Communicated to the Financial Department, in view to the President, Madras Municipal Commission, being called upon to furnish a completion report of the work in Public Works Department Form No. M. 56, which will give the details required by the Superintendent, Madras Harbour Works.

(True Extract.)

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

To the Financial Department, with Public Works Department Form No. M. 56.
„ Superintendent, Madras Harbour Works.
„ Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

3458
2

GENERAL.
ACCOUNT.

# Govt. of (1883) Madras.

## PUBLIC WORKS.

*Dated December, 3rd.*

*Recd.*

*Encl.*

**G.O., 3rd Dec. 1883, No. 3458 W.**

**DECEMBER.**

**Southern Main Drain**

*A completion certificate for the extension of the* — carried out by the Madras Municipality, ordered to be submitted.

---

3458/3

## GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

18th February 1882, No. 449 W.

**Buildings and Roads.**
**Civil Works.**

Read the following paper :—

No. 76. Proceedings of the Madras Government, Financial Department, dated 13th February 1882, No. 231, Routine.

Read the following letter from the President, Municipal Commission, Madras, dated 31st January 1882, No. 150.

With reference to G.O., No. 3180 W., dated 22nd December 1881, I have the honor to request that the Government will be pleased to authorise the Accountant-General or the Superintendent of the Harbour Works to disburse to me the amount of the estimate for extending the south main drain, viz., Rs. 13,663.

2. The Superintendent of the Harbour Works informs me that he has no provision for the expenditure in his estimate, and he considers, moreover, that payment should be made after the work is finished.

3. As payment will be made by me to the contractor by instalments from time to time, it is necessary to have the amount in hand, and with heavy bills from England now due for stores, to be paid for eventually out of the new loans, I am not in a position to make the necessary payments for the work out of current receipts.

Transferred to the Public Works Department.

(Signed) C. D. MACLEAN,
Under Secretary.

No. 77. Order thereon, 18th February 1882, No. 449 W.

The Examiner, Public Works Accounts, will place the funds at the disposal of the President of the Madras Municipality.

(True Extract.)

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

To the Examiner of Public Works Accounts.
„ Financial Department.
„ Supdt. Madras Harbour Works

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1882) Madras.

PUBLIC WORKS.

To

THE EXAMINER OF PUBLIC WORKS
ACCOUNTS,
&c., &c., &c.

*Dated February, 18th.*

*Issued*

*Recd.*

*Encl.*

*G.O., 18th February 1882, No. 449 W.*

FEBRUARY.
Nos. 76-77.

*Extension of the South Main Drain near the Fort.*—The Examiner, Public Works Accounts, authorised to place the funds sanctioned for the — at the disposal of the President of the Madras Municipality.

---

3458/4

## GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

22nd December 1881, No. 3180 W.

Buildings and Roads.
Civil Works.

Read the following papers :—

No. 83. Endorsement of the Chief Secretary to Government in the Financial Department, dated 1st December 1881, No. 1934.

From A. T. ARUNDEL, Esq., President, Municipal Commission, Madras, to the Chief Secretary to Government, dated Madras, 29th November 1881, No. P.W.C. 2323.

IN reply to G.O., No. 2721 W., dated 3rd November (Public Works), I have the honor to forward a memorandum on the subject by the Vice-President Mr. Jones, which gives full explanation on the points in question.

*Memorandum in reply to G.O., 3rd November* 1881, *No.* 2721 *W.*

IN reference to letter from Superintendent of Harbour Works embodied in the above and chiefly in regard to paragraphs 3 and 4, the following explanation is that required by Government in the above order.

2. The channels discharging within the harbour area, referred to by Mr. Thorowgood, receive an extremely small quantity of sewage when compared with the quantity flowing into the main drain, and while these drains are flowing day and night, because they are above the level of the sea and of the intercepting sewer, the main drain at its southern end is closed and is pumped only during the day from 6 A.M. to 6 P.M. with two hours intermission at midday. The sewer then during these two hours and during the night is a sewer of deposit and therefore a large quantity of sewage must be swept out of the drain when it is opened on the occasion of a storm overflow. Without an additional engine and a very increased staff it would be impossible to keep pumping out the sewage continually and so prevent the deposit. The very slight gradient of the sewer is an additional reason why the deposit is much more than in the other smaller sewer referred to.

3. To adopt Mr. Thorowgood's suggestion as to allowing the drain only to run off when the drain is nearly full of rain to the top would be to cause at least most disastrous flooding in the lower parts of Black Town. The drain with its full area is only sufficient to discharge a rainfall over the area drained equal to one-fourth of an inch per hour. An infinitely decreased area means an infinitely decreased discharge, while even now the secondary drains leading into the main drain are frequently burst open into the street for want of sufficient outlet of the flood waters which they carry.

4. The reorganization of the drainage does not at present extend itself to the disposal of flood waters, and as far as I can see even should in future arrangements be made for their disposal the Fort outfall would remain in *statu quo*.

5. Paragraph 8 might lead Government to suppose that a sewer had been designed by the Superintendent of the Harbour Works which would have carried away the storm water from the Fort drain, but so far as this office is aware no intercepting sewer which would have carried off the storm water was ever even proposed, and no intercepting sewer passing along the beach could effectively do so, as the floor of the drain even at its present outfall is below mean sea level. A large storm water sewer was however proposed in connection with the other lesser drains referred to by the Superintendent.

6. Although the sand is still increasing in front of the drain and will have extended some 180 feet more in 1884, the same necessity for a further extension of the drain will not then exist, as before that time it is trusted that the main drain will have been relieved of all sewage and will then be wholly for the discharge of storm waters.

MADRAS,
17th November 1881.

(Signed) J. A. JONES,
Vice-President, Municipal Commission, Madras.

TRANSFERRED to the Public Works Department.

(Signed) R. DAVIDSON,
Chief Secretary.

No. 83-A. From A. T. ARUNDEL, Esq., President, Municipal Commission, to the Acting Under Secretary to Government, Public Works Department, dated Madras, 6th December 1881, No. P.W.C. 2393.

IN reply to your letter No. 2903, dated 3rd December, I have the honor to forward a letter from the Vice-President giving the information you require. As the works connected with the main outfall in the drainage scheme of Black Town, viz., pumping engines, outfall pipe and channel, lie at the northern end of the town and must first be undertaken, it is clear that the diversion of the sewage that now falls into the south main drain must be postponed until these essential works are completed. The outfall works are estimated to cost one lakh of rupees and to be completed by the end of 1882. The connecting works required to relieve the south main drain of sewage are now estimated by Mr. Jones to cost Rs. 3,22,000, and will probably take a further period of between one and two years to complete.

2. If therefore the proposed extension of the present south main drain be not carried out, the exhalations from it that now at times poison the air of the Fort and the neighbourhood will remain in *statu quo* till 1884.

From J. A. JONES, Esq., Vice-President, Municipal Commission, Madras, to the President, Municipal Commission, Madras, dated Madras, 5th December 1881, No. P.W.C. 2392.

IN reply to letter No. 2903, dated 3rd December 1881, from the Under Secretary to Government, Public Works Department, I have the honor to inform you that before the sewage now flowing out at the Fort can be diverted from its present outfall, not only will it be necessary to complete the works proposed to be completed next year and costing about one lakh, viz , the pump well, house, erection of engine and pumps, outfall pipe and channel, which are necessarily the basis of the scheme, but that in addition it would be necessary to undertake the alteration of the whole or certainly a great portion of the surface drainage which flows into the valley along which Popham's Broadway runs, and to construct the proposed new main sewer, No. 1, which is to carry off this drainage to the pumping station.

Such additional work would amount to—

| | RS. |
|---|---|
| Surface drainage ... ... ... ... ... ... ... | 2,79,981 |
| Sewer No. 1 ... ... ... ... ... ... ... ... | 42,545 |
| Total ... | 3,22,526 |

2. Though it cannot be positively affirmed that the whole surface drainage of this section would require to be carried out if the sewage had to be diverted from the Fort to sewer No. 1, there is no doubt that a very considerable portion would require to be so.

No. 83-B. From A. T. ARUNDEL, Esq., President, Municipal Commission, Madras, to the Secretary to Government, Public Works Department, dated 19th December 1881.

WITH reference to our meeting and discussion yesterday about the extension of the Fort or south main drain outfall, I enclose a letter from Jones explaining what he would be able to do in 1882 towards the scheme for relieving the present main drain of sewage, and what his additional proposals would cost.

2. You will see that he considers he could finish in 1882 about one-half of the new sewer which is to take the place of the present main drain and which is provided for in the general drainage scheme. The remainder would be finished in 1883. The total cost of this new sewer would be Rs. 46,400.

3. The injury to the harbour will, I suppose, set aside the arrangement for the transfer of the harbour engines, engine-house, &c., to the Municipality, and we must make our own arrangements. This we have already prepared for and have written home to inquire of Messrs. Gwynne and Co. the cost of engines to work the pumps already ordered of them. Pending definite information, Jones has estimated the cost of engines and engine-house, &c., at Rs. 45,000.

4. If the drainage scheme be thus urged on during 1882, we shall require a loan of Rs. 1,68,000 instead of the Rs. 1,00,000 at first proposed, viz.—

| | RS. |
|---|---|
| For half of new sewer ... ... ... ... ... ... ... | 23,000 |
| " engines, &c. ... ... ... ... ... ... ... | 45,000 |
| Total ... | 68,000 |

5. The interest on the additional sum of Rs. 68,000 would be at 6 per cent. (4 per cent. interest and 2 per cent. sinking fund) Rs. 4,080, or at 7 per cent. Rs. 4,760 per annum. Half these amounts only would be required, as the money would not be required before the middle of the year.

6. If the Government can lend the amounts required—a question now under reference—there will be no difficulty in obtaining the assent of the Commissioners to the additional loan, but if we have to go into the market we must await the result of the attempt about to be made to raise the loan of Rs. 3,50,000 already sanctioned, viz., Rs. 1,00,000 for drainage and Rs. 2,50,000 for water-supply extension.

7. Under the most favorable conditions the new sewer to relieve the south main drain cannot be completed till well into 1883, so that as was agreed yesterday the necessity for extending the outfall of the main drain is still as urgent as ever.

From J. A. JONES, Esq., Vice-President, Municipal Commission, Madras, to the President, Municipal Commission, Madras, dated Madras, 19th December 1881.

WITH reference to our meeting with Colonel Sankey, Chief Engineer, at the outfall of the Black Town main drain near the north-east angle of the Fort, I have the honor to annex the following information with regard to the proposal for the immediate execution of the sewer No. 1 along Popham's Broadway which will carry off to the new pumping station the sewage now flowing into the main drain.

2. The sewer will be throughout its length below the level of the present main drain, and therefore by temporarily connecting it at intervals with the main drain all or nearly all of the sewage could be drawn from the latter, and the outfall at the Fort relieved of almost all sewage matters.

3. The estimated cost of this sewer is Rs. 38,680, of the temporary connections necessary about Rs. 3,500, in all Rs. 42,180. To this has to be added 10 per cent. for supervision and contingencies, so that the estimated total required to carry out the work will be Rs. 46,398 (say Rs. 46,400).

4. As it is probable the harbour engines will not now be available, and as the works proposed to be executed with the lakh of rupees to be borrowed during 1882 do not include the cost of engines or buildings, about Rs. 45,000 will be required for these works.

5. The total amount therefore which could be spent on drainage works in 1882, if funds be available, will be as follows :—

| | RS. |
|---|---|
| Outfall works, pump well and sewer No. 3 ... ... ... | 1,00,000 |
| 50 per cent. of sewer No. 1= $\frac{46,400}{2}$ ... ... ... ...<br>(Remainder to be executed in 1883) | 23,200 |
| Engines, boilers and buildings ... ... ... ... ... | 45,000 |
| | 1,68,200 |

6. The acceptance of these proposals will not dispense with the necessity for the extension of the main drain outfall, and this, I think, was the opinion of all present at yesterday's meeting.

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No. 83-C.

## MEMORANDUM.

THE President, Municipal Commission, Madras, brought to notice in his letter, No. 895, of 26th July 1881, that, notwithstanding the construction of the intercepting sewer along the base of the harbour discharging to the north of the works, the sluice of the main sewer immediately north of the Fort has to be opened in times of flood, with the result that the pent-up sewage is discharged over the sands in front creating a very serious nuisance.

2. The belt of sand now intervening between the sluice and the sea is some 350 feet and must increase owing to the existence of the Harbour Works.

3. Government, in their Order, No. 2721 W., of the 3rd November 1881, inquired, on the report of the Superintendent of the Harbour Works, whether by better arrangements in regard to the pumping at the tail of the Fort sewer the quantity of actual sewage in the storm waters at such times could not so far be kept down as to render these on issue from the sluice at least as inoffensive as with the other surplus drains discharging within the harbour limits.

4. In reply to this it is pointed out that, notwithstanding the best arrangements as regards the pumping, owing to the small slope in the present main sewer, a very large quantity of sewage must remain ponded back behind the sluice, and that until the sewage has been diverted, as proposed in the new drainage scheme in the reverse direction towards the north of the town, there can be no radical change in this respect.

5. It is in fact clear, first that an extension of the main sewer to the furthest limit possible across the sands as proposed by the President at an estimated cost of Rs. 13,663 is absolutely necessary as an immediate relief, and second that even after the construction of the new main sewer diverting the sewage to the north of the town this extension of the present main sewer across the sands is needed for the discharge of all storm waters which under all circumstances it will still have to convey to the sea.

6. Further inquiries and an examination of the works on the spot with the President of the Municipal Commission (see annexed communication) has shown that, in order to divert the whole of the sewage now carried by the Fort drain to the north of the town, the outfall channel, sewage well and pumps, as also main sewer to the north, will have to be executed as part of the drainage scheme of the Municipality.

7. Mr. Jones, as will be observed, estimated at first that Rs. 3,22,000 would have to be expended before the requisite relief could be afforded, and that probably three years in all would be required for the operation; it however would now appear (see letter and annexure from Mr. Arundel of 19th instant) that the money and time required can be sensibly reduced.

8. If, as I understand, the Municipality could be lent Rs. 1,68,000 for 1882 at 6 per cent. (4 interest on loan, 2 for sinking fund) and could secure a further loan possibly of Rs. 25,000 in 1883, they would be enabled to guarantee the diversion of all sewage from the Fort main drain by the end of the latter year.

9. As the extension of the drain across the sands is (however absolutely essential) after all only a palliative, I would strongly urge the desirability of at once accepting the proposal now made and authorize the Municipality to lose no time in commencing and pushing on the work.

10. They might also be entrusted with the construction of the extension of the main drain across the sands at the cost of Rs. 13,663, the amount being met from the Harbour Works estimate.

11. It can hardly be doubted that this would under all the circumstances be the proper incidence of the charge, at the same time the Government may possibly be disposed to recommend to the Government of India that the amount be met from Imperial (Military), so that a general contribution from this source be made to the Municipality, on the grounds that the removal of this long-standing and intolerable nuisance from the immediate vicinity of the Fort is a matter in which the Military authorities, who for years have been loud in their complaints, are directly interested in the matter.

21st December 1881. (Signed) R. H. SANKEY, Colonel, R.E.,
Chief Engineer, P.W.D.

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No. 84.

## ORDER THEREON, 22nd December 1881, No. 3180 W.

THE Right Honorable the Governor in Council sanctions the estimate of Rs. 13,663 submitted by the President of the Madras Municipal Commission for the extension seaward of the southern main drain near the Fort, and as the evil complained of is directly traceable to the action of the harbour piers, the cost will be met from the estimate for the Harbour Works.

2. The work now sanctioned will be carried out by the Municipality, and will be commenced at once.

3. The other works proposed in the papers recorded above will be deferred for the present.

(True Extract.)

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

To the Superintending Engineer, Fifth Circle.
" President, Madras Municipal Commission.
" Superintendent, Madras Harbour Works.
" Examiner of Public Works Accounts.
" Financial Department.

Exd. E. C. Shunker.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1881) Madras,
PUBLIC WORKS.

The SUPERINTENDING ENGINEER,
FIFTH CIRCLE.

Dated December 22nd

G.O., 22nd December 1881, No. 3180 W.

DECEMBER
Nos. 83-84.

---

20th November 1883, No. 3304 W., Public Works.

3458
7

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

**Buildings and Roads.**
**Civil Works.**

Read—the following letter from A. T. ARUNDEL, Esq., President of the Municipal Commission, Madras, to the Secretary to Government, Public Works Department, dated Madras, 13th November 1883, No. 1083:—

Referring to G.O., No. 3180 W., dated 22nd December 1881, sanctioning a grant of Rs. 13,663 to be expended by the municipality in the seaward extension of the south main drain near the Fort, I have the honor to report that the actual net cost of the completed work was Rs. 16,013-6-7, and to request that the Government will be pleased to sanction payment of the difference, viz., Rs. 2,350-6-7.

2. The cause of the excess expenditure was the cost of pumping water from the foundations of the work. The estimate for this was Rs. 333, but the actual cost was Rs. 3,889-1-3, as a steam-pump had to be kept working night and day until all the foundations were got in. A portion of the excess has, however, been recovered upon other portions of the work.

Order—dated 20th November 1883, No. 3304 W., Public Works.

The outlay of Rs. 2,350-6-7 in excess of the estimate of Rs. 13,663 sanctioned in G.O., No. 3180 W., dated 22nd December 1881, for the extension seaward of the southern main drain, near the Fort, is approved, and will be met from the estimate for the Madras Harbour Works.

(True Extract.)

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

To the Superintending Engineer, Fifth Circle.
„ Superintendent, Madras Harbour Works.
„ Examiner, Public Works Accounts.
„ Financial Department.

Exd. A. F. Goodall.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

# Govt. of {1883} Madras.

## PUBLIC WORKS.

*Dated November, 20th.*

*Recd.*

*Encl.*

**G.O., 20th Nov. 1883, No. 3304 W.**

**NOVEMBER.**

### Southern Main Drain

Sanctioning the excess outlay incurred on the extension of the — near the Fort being met from the estimate for the Madras Harbour Works.

---

No. 1139 X
26 NOV 83

3rd Dec G.O. No. 3358 W

No. 3471 W.

3458/8

FROM

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS,

TO

Colonel J. H. M. Shaw Stewart, R.E.
Secretary to Government P.W.D.
Madras,

MADRAS, 23rd November 1883.

Sir,

It will be remembered that in G.O. No. 3180 W of December 22nd 1881 it was ordered that the Estimate for the Madras Harbour should be debited with the sum of Rs 13,663 for the work of extending the outfall of the Fort drain into the sea. The money was paid from this Office on March 14th 1882 by cheque to the President of the Madras Municipality before the work was completed, and while it was in a very early stage of progress. I am informed by the President of the Municipality that the drain is now quite completed and in working order, and I have asked for a statement of what the actual work cost, as I apprehend that although the sanction of Government was given to the full amount of the Estimate of Rs 13,633, it was not intended that the whole should be retained if the work cost less than that amount.

2 I have no means of judging what

the work cost, but as the estimate seems to me to be rather high when I consider the whole Intercepting sewer from the Fort to Royapuram (2160 yards) built in Portland cement cost only Rs 24,284, and as the Funds at disposal for the Harbour Works are very small I felt it my duty to inquire whether the whole of that sum of Rs 13,633 had been expended on the work for which it was granted, and if it had not been expended to ask that the balance may revert to the Harbour Works again.

3. In reply to my inquiry on November 13th, the President of the Municipality directs me to "address Government for such information as I may require," and I therefore respectfully ask that I may be furnished by the Municipality with a detailed account of the expenditure upon this drain.

I have the honour to be,

Sir,

Your most Obedient Servant,

F. W. [illegible] M. Inst. C. E.
Superintendent.
Madras Harbour Works

8458/9

Buildings and Roads.

From

The Superintendent
Madras Harbour Works

dated 23 Nov/83 [illegible] 1588/B

No 34 W

Enclos. nil

Asks that the Municipality will furnish a Statement of Expenditure incurred in constructing the South Main Drain.—

---

No. 35 W.

3458/10

FROM

THE SUPERINTENDENT,
MADRAS HARBOUR WORKS,

TO

The Secretary to Government
P. W. Department

MADRAS, 27th November 1883

Sir,

I have the honour to request that you will be kind enough to allow me to correct an error in my letter No 34 W+ of 25th November 1883 para 2, in which I state that the cost of the whole Intercepting Sewer along the beach was Rs 24,284.—

+ not received.

2 I find that through an oversight of mine this sum does not include the cost of making the drain outside the Harbour from the South Pier to the Fort. The total cost including this sum is Rs 34,312. This mistake I hasten to correct immediately on discovering it.—

3 With reference also to the same letter I have since despatching it received G.O. No 3304 W of 20th November 1883 which shews me that the extension of the drain to which I referred has cost more than the estimate made by the Municipal Engineer

and that the Harbour Works must bear the excess - I still however beg that I may be supplied with the details of expenditure.

I have the honour to be,
Sir,
Your most Obedient Servant
F. W. [illegible]
Superintendent

3458
11

DPW No 3548

Buildings & Roads

C

Memo

~~With reference to letter from the Supt. M. H. Works No 35 W d/ 27 Inst, the undersigned has the honor to state that the previous letter of the Supt No 32 W d/ 23rd current does not appear to have been received in this Office~~

+ since received

CJ
29/11

To the Supt M H W

From

The Superintendent
M. Harbour Works

dated 27 }
Recd 28 } Nov/83

No 35 W

Enclosure Nil

Corrects the cost of building the Southern Main Drain as Rs 34312 and asks still to be furnished with the details of the sum.

with memo

---

No. 159 W

3458
12

From

THE EXAMINER,
PUBLIC WORKS ACCOUNTS,
MADRAS,

To

The Secretary to Government,
Public Works Department.

Madras, 28 November 1883.

Sir,

In transmitting letter No. 34 W. dated 23rd. November 1883 from the Superintendent, Madras Harbor Works to your address, I have the honor to enclose copy of my letter No. 965 X. dated 9th. March 1883 to the Superintendent Madras Harbor Works (copy of which was also furnished to the President Madras Municipality) pointing out that a Completion Certificate for the work would be required.

2. From G. O. No. 3304 dated 20th. November 1883, it appears that the sanctioned Estimate was exceeded by Rs. 2,350-6-7.

I have the honor to be,
Sir,
Your Most Obedient Servant.

D. C. Gordon

Examiner P. W. Accounts.

Enclos 2

3458/13

[illegible] 10586

From,

The Examiner P. W. Accounts,

Madras.

To,

The Secretary to Government,

P. W. Department.

No. 449. W 18. 2. 82
" 3180. W 22. 12. 82
" 3304. W 21. 11. 83

No. 159 W

Dated 28th November 1883.

Recd. 29

Enclos. 2.

Southern Main Drain near Fort. Transmits letter from the Supt. Madras Harbor Works regarding-- in which the President Municipality has been asked for details of work etc.

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Copy of letter from the Examiner P. W. Accounts Madras to the Superintendent Madras Harbour Works No. 965 X dated 9th March 1882

3458/14

With reference to G. O. No. 449 W. dated the 18th February 1882, I have the honor to state that I have asked the Accountant General Madras to place a sum of Rs 13,600 at your disposal, and shall be obliged by your paying Rs 13,663 to the President of the Madras Municipality on account of the extension of the Southern main drain near the Fort. The payment should be charged to the Harbour Works, and a Completion Certificate obtained from the President in due course.

(True Copy)

G. E. Hatton

Supdt. Correspondence Branch.

28/11.

28/11

[illegible] 2/1058

A/

No. 3458 W

3458/15

PUBLIC WORKS DEPARTMENT.

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the Decr 3rd 1883

READ the following

From the Supdt. M. H. Works H. S. No 34 W of 23rd Novr 1883.
" " do " " 35 W of 27th " "
" " Exr P.W. Accts " " 159 W of 28th " "

Communicated to the Financial Dept. in view to the President Madras Municipal Commission being called upon to furnish a completion report of the work in P.W.D. Form No M. 56, which will give the details required by the Supdt. Madras Harbour Works.

J 8/12

To the Finl. Dept.
with P.W.D. Form No M. 56.
" Supdt M. H. Works
" Exr P.W.A.

Cn C.S. 1/12.

P.C.
B. Ro. 163 W. 19-1-84

3458
16

10586

Govt. of 1883 Madras.

PUBLIC WORKS.

4/12/83

Dated

Recd.

Encl.

G.O., 3rd Dec. 1883, No. 3458 W.

Southern Main Drain

A completion certificate for the extension of the ___ ordered to be submitted carried out by the Madras Municipality, ordered to be submitted

45/4

570 [illegible] 1/3/12