(1) பக்கங்களின் எண்ணிக்கை 66 Pages
(2) புதுக்கித் திருப்பிய நாள் 26.7.90
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D துறை

108

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 868

அச்சகம்
பலவகை

நாள் : 24-3-1891 ~~198~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

33 Sheets

32+1 Statemt

ஆவண. கா-1—18,006—15-6-87.

24TH MARCH 1891, No. 868 W., PUBLIC WORKS.

868/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

From the Presidency Port officer, Madras,	dated	7th November 1890,	No. 1056/543 G.
Endorsement in the Marine Department,	„	21st „ „	
From the Presidency Port Officer, Madras,	„	16th December „	No. 1056/601 G.
Endorsement in the Marine Department,	„	20th „ „	
From the Presidency Port Officer, Madras,	„	3rd March 1891,	No. 1056/72 G.
Endorsement in the Marine Department,	„	7th „ „	

From J. W. MARTIN, Esq., Officiating Superintending Engineer, VI Circle, to the Chief Engineer, Public Works Department, dated Trichinopoly, 11th March 1891, No. 1173 T. N.

Adverting to your memo. No. 4959 C., dated 1st December 1890, in the matter of preparing a plan and estimate for an iron goods shed at Tuticorin, I have the honor to forward a plan and estimate, amounting to Rs. 8,000, if H steel columns are used, or Rs. 7,880 if the columns are made of old rails.

2. The cause of the small difference between the two estimates is that the South Indian Railway Company has lately increased the price of old rails to nearly double the price charged some years ago. As the saving that would result by using old rails instead of H steel would be very little, I recommend that the estimate, amounting to Rs. 8,000, should be sanctioned.

3. In this estimate a lump sum of Rs. 7,000 is provided for the iron work. The Executive Engineer arrived at this amount by submitting his design to—

Messrs. Massey and Co., Madras.
„ Richardson and Cruddas, Bombay.
„ A. and J. Main and Co., Calcutta.
„ Walker and Co., Colombo.

All the tenders agree fairly well with the amount, Rs. 7,000, entered in the estimate, taking contingencies into account. Consequently I consider the estimate is reliable and I recommend that it should be sanctioned, giving permission to the Executive Engineer to obtain the iron work from one of the firms named.

Note by the Chief Engineer, Public Works Department.

The Superintending Engineer, IV Circle, with his letter No. 1173 T. N., dated 11th March 1891, forwards two alternative estimates for the construction of an iron goods shed at Tuticorin.

One estimate, amounting to Rs. 8,000, provides for the use of entirely new material. The alternative estimate, in which the use of old iron rails for the uprights is proposed, amounts to Rs. 7,880.

There is but little difference between the amount of the two estimates, and seeing that better connections can be obtained between the framing and the roof with the uprights by the use of new material, the Chief Engineer recommends for sanction the estimate amounting to Rs. 8,000.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

ORDER—dated 24th March 1891, No. 868 W., Public Works.

The estimate, amounting to Rs. 8,000, for constructing a corrugated iron goods shed at Tuticorin in the Tinnevelly district is sanctioned.

2. If the iron work required is of European manufacture, the Superintending Engineer will submit, for the sanction of Government, a formal application for sanction to purchase it locally.

3. The Financial Department will be requested to place a sum of Rs. 9,852, as shown in the margin, at the disposal of the Public Works Department in April next.

	RS.
Works	8,000
Establishment	1,840
Tools and plant	12
Total ...	9,852

4. The sanction accorded in para. 1 of these Proceedings has been registered as Excluded Local No. 40 W. of 1890-91.

(True Extract.)

120

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

To the Superintending Engineer, VI Circle, with eight enclosures.
" Examiner, Public Works Accounts.
" Marine Department.
" Financial Department.

Exd. S. J. Pereira.
Spare Copies.

868/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated March, 24th.

Recd. *Encl.*

G.O., 24th Mar. 1891, No. 868 W.

MARCH.

Goods Shed

Estimate of Rs. 8,000 for constructing a corrugated iron — at Tuticorin, Tinnevelly district, sanctioned.

26th March 1891, No. 211, Financial.

868/3

GOVERNMENT OF MADRAS.

FINANCIAL DEPARTMENT.

Read—again G.O., No. 471, dated 31st December 1890.

Abstract.—Reviewing the Administration Report of the Madras Port Department for 1819-90.

Read—the following paper :—

From Captain H. B. SIMPSON, H.M.'s I.M., Acting Presidency Port Officer, to the Chief Secretary to Government, dated Madras, 19th January 1891, No. 1229-13-G.

I have the honor to submit, herewith, for the sanction of Government, the budget estimate of the Port Fund Department of this Presidency for the year 1891-92, together with two appendices A and B.

2. The estimate has been prepared in accordance with the latest orders of Government on the subject classified under the several detailed heads of receipts and charges and also showing, in one view, the comparative figures under these several heads for each district (1) the actuals of the past year, (2) the estimate of the current year and (3) the estimate of the coming year. The port of Madras has been treated as a separate district, and the estimated figures for that district included in the estimate now submitted.

3. The actuals of receipts and charges for 1889-90 have been found to agree with the accounts submitted to Government with my letter No. 1005-497 G., dated 14th October 1890, and the distribution of the grant for 1890-91 under receipts and charges of the several detailed heads of the Madras and other districts have also been reconciled with the sanctioned grants for that year specified in G.O., No. 855, Financial, dated 30th November 1889, and the difference in the total grant for charges in the column headed (budget for 1890-91) as given in the estimate now submitted for Madras and other districts is also explained below :—

(*a*) *Madras District.*—The share of contribution estimated to be payable by the Madras district towards general charges and lighthouse charges for 1890-91 was Rs. 17,558, whereas the estimated share arrived at by a distribution of these charges in proportion to the average tonnage of the past three years amounts only to Rs. 14,738, resulting in a deficit in the estimated charge of Rs. 2,820, which, added to the sum of Rs. 65,180 entered on the charge side as the total budget grant for 1890-91 for this district, will amount to Rs. 68,000 sanctioned by Government in paragraph 2 of their Order, No. 855, Financial, dated 30th November 1889.

(*b*) *Other districts.*—In paragraph 5 (*b*), clause 2, of the order referred to above, a deduction of Rs. 24,327 was made from the estimated charges for 1890-91 on account of share payable by the Madras district towards general and light house charges and also on account of general savings, &c., and the grant for the year fixed as Rs. 2,12,000. A more accurate estimated share of such charges, as now ascertained by a proper distribution of the charges on the principles laid, is only Rs. 14,738, the difference of Rs. 9,589 accounts for the increase over the total of the grant, *i.e.*, Rs. 2,12,000 sanctioned by Government in their order alluded to.

4. The variations in the estimated figures for 1891-92 over and below those of the current year and the actuals of the past year under the several detailed heads specified in the estimate, taken as a whole for all the districts, will now be explained and the receipts will first be noticed.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated March, 24th.

Recd. *Encl.*

G.O., 24th Mar. 1891, No. 868 W.

MARCH.

Goods Shed

Estimate of Rs. 8,000 for constructing a corrugated iron — at Tuticorin, Tinnevelly district, sanctioned.

868/3

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4. The variations in the estimated figures for 1891-92 over and below those of the current year and the actuals of the past year under the several detailed heads specified in the estimate, taken as a whole for all the districts, will now be explained and the receipts will first be noticed.

Coasting steamers dues.—The dues expected to be realized under this head during the coming year are estimated to be very nearly equal to the actuals of last year, but about Rs. 12,000 below the estimate of the current year, the decrease arising chiefly in the districts of Ganjam, Vizagapatam, Malabar and Madras, the average tonnage of coasting steamers in these districts falling below the expectations of the current year. The actual collections of coasting steamer dues expected to be realized in each district during the coming year will be found in appendix A, page 1.

Other dues.—The estimated amount of collections during 1891-92 is Rs. 10,043 and 18,445, respectively, below those of the years 1889-90 and 1890-91, a large decrease arising in Madras and in Malabar districts which has been however vitiated by an estimated surplus of receipts in the eastern group districts; the deficit in the above districts being due to an expected fall in the number of foreign vessels visiting the districts during the coming year.

General receipts.—Particulars of Rs. 275, the actuals for 1889-90, and Rs. 225, the estimated receipts for 1891-92, will be found in page 2 of appendix A. No provision has been made on this account in the current year's budget. The estimated receipts in question were distributed to the several districts in proportion to the average tonnage that entered during the past three years.

Miscellaneous receipts.—The estimated receipts under this head for 1891-92 are not so large as those of the past year, or that of the present year, the deficit being due to large sundry receipts not being expected to be realized in Malabar and Madras, Large receipts were anticipated for 1890-91 by sale of unserviceable stores in the eastern group districts and provision was accordingly made in the budget of 1890-91 and which is therefore much higher than the figure set down for the coming year.

Public Works receipts.—The receipts under this head are only credits received from the Public Works Department on account of unspent balances of Port fund grant or writes-back of charges which are subsequently adjusted by the Examiner of Public Works Accounts.

Fees.—The estimate under this head has been based with reference to the existing orders of Government on the subject of fees and is about Rs. 5,000 more than the receipts of the past year.

Interest.—The amounts entered in the column of estimates of 1891-92 represent the interest on balances of the several District Port funds which were invested in Government promissory notes. The total estimate on this account amounts to Rs. 23,392 which is indeed a large receipt during the coming year for the districts concerned.

Repayment of loans, &c.—Nothing having been done as yet in the way of diverting the Madras balance towards the deficits in Ganjam and Godávari districts and treating the same as loan to these districts, no provision has been made on this account.

Provincial contribution.—The estimate under this head is *nil.* Should there exist any necessity for any such aid from Government on account of improvements in the districts, application will be made to Government as occasion arises.

5. The total estimated receipts of the other districts and of Madras amount to Rs. 2,19,796 and 1,12,646, respectively, which may safely be set down in round numbers as Rs. 2,20,000 for other districts and 1,12,000 for Madras. The sum total of these items will be Rs. 8,000 and 63,000, respectively, below the actuals of the past year and that of the current year. The difference between the estimate and the current year's grant is only slight, but the fall below the actuals of the past year is due mainly to the Provincial contribution of Rs. 72,484 to the Godávari, Kistna and Tanjore districts.

6. The charges then follow:—

General administration charges.—Detailed particulars of charges under this head are given in page 3 of appendix A, from which it will be observed that the estimate for the ensuing year is about Rs. 6,000 more than that of the past year and is due to inclusion in the estimate of a sum of Rs. 3,000 on account of leave allowances of Port

officers, an anticipated increase in charges on account of pensions, gratuities and in other contingencies. These charges are distributed to the several districts in proportion to the average total tonnage that entered during the past three years.

Lighthouse charges.—Particulars of these charges are contained in appendix A, page 4, and the sum estimated for 1891-92 has been distributed to the several districts on the lines laid down in G.O., No. 24, Marine, dated 27th January 1890. The total estimated charges on this account are below those of the previous years. Noticing in detail the variations under each head of charge, it would appear (1) that the estimated cost on account of establishment is nearly the same as those of the previous years, (2) the slight increase in the contingencies (ordinary) over the actuals of the last year is due to increase in the average of contingencies for the past three years, (3) the provision of Rs. 1,500 under special contingencies is on account of cost of a sixth order light for the Tondi port sanctioned in G.O., No. 415, Marine, dated 27th November 1890, and (4) that Rs. 1,930 provided for under Public Works is the estimated cost of the works specified below:—

	RS.
Cook house for Manapad superintendent's quarters	950
Improvements to existing building at Point Divi	480
Fixing a lightning-conductor for Calingapatam light	500

Pay of Port officers.—The portion of pay of Port officers debitable to Port funds has been provided for, and the ensuing year's estimate does not vary much with the actuals of the past year and the estimate of the current year.

Personal allowance to Port officers and Conservators.—Provision has been made in the estimate to the amount of personal allowances lately fixed by Government to the several Port officers and Conservators.

Other establishment.—The slight difference between the estimate for the ensuing year and that of the current year and the actuals of the past year calls for no explanation.

Contingencies.—The large increase in the estimate is due to large provision being made for the special charges noted below:—

	RS.
A 10-ton crane for Vizagapatam	5,000
A buoy for crane in connection with the landing of materials for East Coast Railway	1,200
Dredger charges for Cuddalore	1,500
Construction of an iron shed at Tinnevelly	8,400
Charges for pier improvements at do.	35,000
Total ..	51,100

The average of the Port contingencies has also increased which accounts for the difference of Rs. 40,382 being more than the actuals of the past year. In the budget for 1890-91 a provision of Rs. 35,000 was made for the purchase of a dredger for Pámban and Tuticorin, but fresh proposals having been made in my letter No. 695-575, dated 27th November 1890, in respect to the purchase of a new dredger at a much higher cost, the charge of Rs. 35,000 will not be incurred by the Tinnevelly District Port fund and would therefore reduce the estimated charge for that year much below the grant.

Public Works charges.—Rs. 19,488, the estimated charge for 1891-92, is exclusive of lighthouse Public Works charges and charges on account of repairs of the Presidency Port office building which are accounted for under these special heads of charges, viz., Lighthouse charges and General charges, respectively.

Fees.—Provision was made under this head only to the extent to which the Port officers and Conservators are likely entitled to under the rules and also to fees for establishment. It may here be pointed out that the total of charges on account of fees and the personal allowances to Port officers and Conservators provided for in the estimate for 1891-92 does not exceed the anticipated collection of fees for that year. Receipts from fees are estimated to be Rs. 26,250 and the charges to Rs. 11,240.

Interest.—Charges are not anticipated to be incurred during the coming year, except in Ganjam and Godávari districts. Should a portion of the balance of the Madras Port fund be diverted towards these districts to cover their deficit on the 31st March 1890, these districts will have to pay interest on the loan thus made and provision was made accordingly.

7. The rise and fall in the estimates under the several detailed heads of receipts and charges of the whole District Port funds having been noticed, I shall now proceed to explain the variations in the estimates of the individual District Port funds, and point out the financial position in which they are likely to be on the expiry of the year for which the estimate is now submitted.

GANJAM.

Receipts.—The estimated receipts for the coming year is nearly the same as that provided for in current year's budget and a little more than the actual outturn of the past year. An increase in dues on other vessels is anticipated in consequence of the maximum rate of dues being charged on foreign vessels from 1st January 1890 in this district. The variations under other heads of receipts are not much and do not therefore call for special attention. The question of the dismantling of the pier not having been as yet finally settled, no provision has been made in the estimate on account of receipts of pier.

Charges.—A large provision of Rs. 7,748 as interest money payable to Madras Port fund has largely increased the figure in charges, which would otherwise be nearly equal to the estimate of the current year and the actuals of the past year, and the estimated total charges of the district exceed the receipts by about this sum. For reasons above stated, no provision has been made for pier charges.

The financial position of the district at the close of the year 1891-92 will not be altered much except for the special item of charge noticed above.

VIZAGAPATAM.

Receipts.—The receipts of the districts for 1891-92 are estimated to be about Rs. 6,000 more than those of the current year and the outturn of the past year. The distribution of the coasting steamers dues under the present system has, to a large extent, increased the estimated receipts of the district. The share amounting to Rs. 14,076, while the actual receipts on the above account are estimated to be about Rs. 5,500 only. To this increase are also added the anticipated increase in the other vessel dues and the interest money on its balance invested in Government Promissory Notes.

Charges.—Large provision having been made under contingencies for the purchase of a 10-ton crane, a buoy, and also under Public Works for the construction of two groynes in connection with the landing of the materials of the East Coast Railway, both amounting to Rs. 10,200, the charges of the district would appear to be larger than the estimated receipts.

The financial position of the district on the expiry of 1891-92 is expected to be as good as ever, except a very small deficit arising in the balance in connection with the special charges noticed above.

GODAVARI.

Receipts.—The estimated receipts of the districts are nearly equal to those of the current year and the actuals of the past year, the Provincial contribution of Rs. 63,076 being omitted. There was, however, a steady increase in the other vessels dues owing to the levy of maximum dues on foreign vessels. As wharfage fees are to be credited in future to Act III of 1885, receipts on the above account were not estimated for and included in the District Port fund budget for the ensuing year.

Charges.—No special charges are expected to be incurred during the coming year, except a small sum of Rs. 364 being interest on loan from Madras Port fund to cover the deficit of the district on the 31st March 1890. Charges on account of dredge and Dredge contingencies have not been provided for as they are to be met from the Landing and Shipping dues under Act III of 1885.

The financial position of the district is expected to result in a diminution of the deficit balance by the surplus in receipts of the coming year amounting to about Rs. 4,000.

KISTNA.

Receipts.—The receipts for the year 1891-92 are estimated to be the same as that of last year's outturn, and the estimate does not provide for any special receipts, or exhibit any steady increase under any particular head of receipt.

Charges.—No provision was likewise made for special charges in this district. The estimated charges would, however, appear to be a little higher than the receipts, but the charges for which provision has been made in the budget are the ordinary expenses of the district.

The financial position of the district on the expiry of the year 1891-92 would continue to be in a deficit state unless means are adopted to keep the district in equilibrium. All possible steps were taken for curtailing the expenditure, but nothing more could be done without injuring the efficiency of the district.

NELLORE.

Receipts.—The receipts in this district are steadily increasing. To the ordinary receipts of this district has been added a sum of Rs. 240 being interest on its balance invested in Government securities.

Charges.—The estimated charges for the district for the ensuing year do not call for any special remarks as they are for the average ordinary charges of the district. In the actuals of 1889-90 a sum of Rs. 375 was incurred on account of Public Works expenditure and this accounts for the actuals being in excess of the estimate.

The financial position of the district is thriving, and is expected to continue to do so during the coming year.

CHINGLEPUT.

Receipts.—Receipts under other dues for 1891-92 are against the expectations of the current year's estimate, native craft which principally trade with the ports in this district not visiting the ports as frequently and in a large number as hitherto.

Charges.—The estimated charges for 1891-92 need no special mention.

The financial position of the district on the expiry of the year 1891-92 will also be flourishing.

SOUTH ARCOT.

Receipts.—The receipts for 1891-92 are estimated to be nearly the same as the outturn of the past year and do not include any unusual receipts except a sum of Rs. 800 on account of interest to be realized on its invested balance.

Charges.—In the estimate of charges, a large provision is made under Public Works charges, amounting to Rs. 4,420, details of which will be found in appendix A, pages 6 and 7, and this accounts for the large increase in charges over the estimate of the current year and the actuals of the past year.

The transactions of the year 1891-92 will result in a small deficit balance which will not, however, much affect the balance that lie to the credit of the district.

TANJORE.

Receipts.—The amount of estimated receipts for the ensuing year is the same as that of the current year. The increase in the actuals of the past year was due to a

Provincial contribution of Rs. 8,690. No special receipts are expected to be realized during the coming year.

Charges.—Under charges a special expenditure of Rs. 3,000 has been provided for dredge expenses, &c. The estimated charges of the district which are all of an ordinary nature are, however, less than the estimated receipts.

The financial position of the district is expected to improve, the balance that remained to the debit of this district on the 31st March 1890, gradually diminishing.

MADURA.

Receipts.—Special receipts are not expected to be realized during the coming year in this district save a sum of Rs. 800, on account of interest on its invested balance.

Charges.—The estimated charges are less than the actuals of the past year and the estimate for the current year. Under recent orders charges on account of dredging channel and approaches and all other expenses connected therewith are to be borne by the Pilotage funds, and were not therefore included in the Madura District Port fund budget. The estimated charges would still appear to be higher than the estimated receipts by about Rs. 2,500. The charges provided for are only the ordinary charges of the district and the anticipated deficiency would have therefore to be met by contribution from Pilotage funds of Pámban at the end of that year.

The financial position of this district entirely depends upon the Pámban Pilotage arrangements and the yearly deficiency is to be supplemented by a contribution from Pilotage fund as above stated.

TINNEVELLY.

Receipts.—The estimated receipts for the ensuing year is a little more than the actuals of the past year. A decrease is, however, expected in other dues as the average of the past three years does not amount to more than the figures given in the estimate. A special receipt in the shape of interest on the invested balance of this district is to be realized in the ensuing year amounting to Rs. 4,800.

Charges.—A sum of Rs. 8,400 for the construction of an iron shed and Rs. 35,000 for the improvements of the pier were provided for in the ensuing year's estimate of this district, and this accounts for the large excess in the estimate over the actuals of the past year. In the estimate of 1890-91 a sum of Rs. 35,000 was provided for the purchase of a dredger, but fresh proposals having been since made in respect to the same, the revised estimate will be lessened by this amount. The ordinary charges of the district would amount to only Rs. 15,400.

The financial position of this district will continue to be good, but the balance at credit will be much lessened by the special charges pointed out.

MALABAR.

Receipts.—In spite of the special receipt of Rs. 4,000, interest on the invested balance, the estimated receipts of the district are a little below the actuals of the past year and the estimate for the current year, the decrease arising chiefly in the share of coasting steamers dues. The actuals under Miscellaneous receipts for 1889-90 include sale-proceeds of coal and other stores in the district, and in the estimate of the current year also has been included the expected sale-proceeds of coal at Cochin.

Charges.—There are no special charges to be incurred in this district except a Public Works charge for the construction of a groyne to prevent erosion of sea at Cochin for Rs. 7,500, and the estimate for the year would appear to be nearly equal to the actuals of the past year and the estimate for the current year.

The financial position of this district will be in a very flourishing state in the ensuing year.

SOUTH CANARA.

Receipts.—No special receipts are expected to be realized in this district during the ensuing year except a sum of Rs. 880 on account of interest on its invested capital. A fall in the share of coasting steamers' dues is expected owing to the average tonnage of coasters which entered this district during the last three years being low. The estimated receipts are, however, nearly equal to the actuals of the past year and the estimate for the current year.

Charges.—The estimated charges of this district for 1891-92 do not call for any special remarks as they are for the ordinary charges of the district.

The financial position of the district is also thriving well.

MADRAS.

Receipts.—The estimated receipts of this district for the ensuing year is nearly the same as the actuals of the past year and about Rs. 18,000 below the estimate of the current year. The fall in the estimate below that of the current year arises chiefly under Port Dues as estimated by the Chairman of the Harbour Trust Board. A special receipt of Rs. 8,112, being interest on loan to the Godávari and Ganjam districts, is also anticipated during the coming year, and the estimate of Rs. 1,12,646 may be set down as Rs. 1,13,000 in round numbers.

Charges.—The actuals of the current year included a large sum of Rs. 2,75,000 transferred to the Harbour Trust Board from the Port Fund balance of the Madras district, and the ordinary charges have therefore amounted to Rs. 70,649 only. The estimate for the ensuing year (*i.e.*, Rs. 66,584) which includes charges on account of fees, &c., not provided for in the estimate submitted by the Chairman, Harbour Trust Board, may therefore be safely fixed at Rs. 67,000, a sum nearly equal to the grant for the current year.

The financial position of this district is very good.

8. To speak generally of the would-be financial position of the Eastern and Western Group districts, as also of Madras, at the end of the next official year, it may be stated that the position of the Eastern Group districts would be seriously altered by the special charge of Rs. 43,400 to be incurred in the Tinnevelly district on account of pier improvements and the construction of an iron shed. The provision of Rs. 35,000 for the purchase of a dredger in the current year's estimate reduces also the running balance in the beginning of the next official year. Save these two items of special charges included in the estimate of the current year and that of the next year amounting to Rs. 78,400, the financial position of the East Coast districts is expected to result in a credit balance of about Rs. 25,000. The Western Group and the Madras districts are expected to have an increased balance on the expiry of the coming year.

9. The estimated charges on account of Madras and other districts for the ensuing year as above framed will be—

	RS.
Madras	66,584
Other districts	2,54,601

or Rs. 67,000 and Rs. 2,55,000, respectively, in round numbers. The total estimate would therefore amount to Rs. 3,22,000, and the excess over the actuals of the current year (the contribution to Harbour Trust Board being excluded), *i.e.*, Rs. 2,75,818, is due to the provision of special charges in the Tinnevelly district amounting to Rs. 43,400.

10. An abstract statement showing the estimated receipts and charges of Madras and other districts is given below :—

RECEIPTS.

—	Actuals, 1889-90.	Budget estimate, 1890-91.	Budget estimate, 1891-92.
Madras.	RS.	RS.	RS.
Port dues	1,09,432	1,19,000	95,000
Sundry receipts	8,452	11,000	17,646
Total	1,17,884	1,30,000	1,12,646 or 1,13,000
Other Districts.			
Port dues	1,80,311	1,72,000	1,64,815 or 1,65,000
Sundry receipts	* 97,686	38,000	54,981 or 55,000
Total	2,77,997	2,10,000	2,20,000
Grand Total	3,95,881	3,40,000	3,63,000

* Includes a Provincial contribution of Rs. 72,484.

CHARGES.

—	Actuals, 1889-90.	Budget estimate, 1890-91.	Budget estimate, 1891-92.
Madras.	RS.	RS.	RS.
Share of General charges	9,220	7,827	9,339
" of Lighthouse charges	8,552	6,911	6,820
Salary of Deputy Conservator	7,590	8,640	8,640
Personal allowance to Deputy Conservator	1,050	..	2,100
Other establishments	25,161	19,732	19,438
Contingencies and Miscellaneous	2,94,076	22,070	20,247
Total	3,45,649	† 65,180	66,584 or 67,000
Other Districts.			
General charges (exclusive of share payable by Madras)	47,647	47,183	52,661
Lighthouse charges (exclusive of share payable by Madras)	32,529	29,409	27,518
Establishment — Port officers	35,358	36,120	35,880
Establishment — Personal allowance	1,050	..	2,100
Establishment — Other establishments	18,905	21,627	19,707
Contingencies and Miscellaneous	69,680	87,250	1,16,735
Total	2,05,169	‡ 2,21,589	2,54,601 or 2,55,000
Grand Total	5,50,818	2,86,769	3,21,185 or 3,22,000

† *Vide* explanation for decrease below grant, *i.e.*, Rs. 68,000, in paragraph 3 (*a*).
‡ *Vide* explanation for excess over budget grant, *i.e.*, Rs. 2,12,000, in paragraph 3 (*b*).

LANDING AND SHIPPING DUES ACT (III OF 1885).

Cocanada.

11. *Receipts.*—Act III of 1885 has been introduced into this port from 1st October 1890 in lieu of Act III of 1883, and the Chairman of the Godávari District Port Conservancy Board, in his detailed budget estimate submitted to this office, estimates the receipts under this head for the ensuing year to be Rs. 30,000 (Rs. 28,000, collections of Cocanada Landing and Shipping Dues + Rs. 2,000 on account of sundry

receipts). The average receipts amounting to Rs. 1,600 on account of wharfage which have hitherto been credited to District Port Fund, Godávari district, will in future be carried to the credit of this fund and the anticipated income on this account is included in the estimate.

Charges.—The Chairman of the Godávari District Port Conservancy Board estimates the charges for the ensuing year to be Rs. 29,532, or Rs. 30,000 in round numbers. This estimate includes the following charges:—

		RS.
(1)	Expenses of Groynes works	7,088
(2)	Establishment and contingencies of Priestman Dredger	4,782
(3)	Do. do. of Dredger "Connemara"	5,712
(4)	Cost of cutting a new dock	3,000
(5)	Cost of 18-ton crane	8,000
(6)	Screw-cutting lathe	1,000

The estimated receipts for 1891-92 are just enough to meet the charges for that year. The provision for charges items marked 4, 5, 6, which are of a special nature and are not likely to recur, have largely increased the expenditure. The balance that remained to the credit of the Landing and Shipping Dues, Cocanada, Act III of 1883, on the 30th September 1890, has been carried to the credit of this new head of account.

The estimated receipts and charges of the above account will stand as under—

		RS.
Receipts		30,000
Charges	Ordinary 18,000 Special 12,000	30,000

The actuals of receipts and charges for the past three years of the Landing and Shipping Dues under Act III of 1883, which Act has been hitherto in force at this port are given below:—

	Receipts.	Charges.
	RS.	RS.
1887-88	12,895	9,989
1888-89	13,562	9,011
1889-90	14,870	22,209

Negapatam.

Act III of 1885 was introduced into this port from 1st April 1889, and the actual receipts and charges for the past year 1889-90 were Rs. 10,207 and 1,172, respectively. In G.O., No. 855, Financial, dated 30th November 1889, the receipts and charges on this account for the current year 1890-91 were passed for Rs. 11,000 and 1,500, and the estimate for the ensuing year is set down as under—

	RS.
Receipts	10,500
Charges	1,504

or Rs. 11,000 and 1,500 in round numbers as for the current year.

PILOTAGE FUND.

Madras.

12. The estimate of receipts and charges for the ensuing year is set down by the Chairman, Harbour Trust Board, as Rs. 28,000 and 23,482, respectively, which, compared with the figures of the previous years, stand as follows:—

Receipts.

	RS.
Actuals—	
1887-88	24,562
1888-89	27,660
1889-90	30,670
Estimates—	
1890-91	23,500
1891-92	28,000

The decrease in the estimate for 1891-92 below the actuals of the past year is due to reduction in the rate of pilotage fees as per G.O., No. 178, Marine, dated 13th May 1890 :—

Charges.

	RS.
Actuals—	
1887-88	11,135
1888-89	16,073
1889-90	20,714
Estimate—	
1890-91	16,800
1891-92	23,482

The excess in the estimate over the actuals of the current year is due to provision being made on account of personal allowance to Harbour Masters at Rs. 50 each per mensem, sanctioned in G.O., No. 86, Marine, dated 5th March 1890.

The estimate of receipts and charges may, therefore, be set down as Rs. 28,000 and Rs. 23,500 in round numbers.

Pámban.

Receipts.—The estimate of receipts for the ensuing year is nearly the same as that of the current year, and compared with the figures of the past years would be as follows :—

	RS.
Actuals—	
1887-88	13,025
1888-89	13,428
1889-90	13,499
Estimate—	
1890-91	13,000
1891-92	13,000

Rs. 13,000, the estimated figure for 1890-91 is included in Rs. 15,000, sanctioned in G.O., No. 855, Financial, dated 30th November 1889, the remainder being Cochin Pilotage receipts.

The average of the past three years receipts, amounting to Rs. 13,317, may be set down as Rs. 13,000 in round numbers.

Charges.—The estimated charges for the ensuing year is set down as Rs. 6,200, and this compared with the past three years figures would stand as follows :—

	RS.
Actuals—	
1887-88	1,180
1888-89	3,116
1889-90	1,117
Estimate—	
1890-91	3,200
1891-92	6,200

The grant for 1890-91 is included in Rs. 6,000, sanctioned for pilotage charges at Pámban and Cochin in G.O., No. 855, Financial, dated 30th November 1889, and comprises the following items :—(1) Rs. 1,200 pay of Port officer at Rs. 100 as head pilot, (2) Rs. 2,000 on account of dredging expenses. As it has been reported that a bank formed in one of the Pámban channels, this latter sum has been provided for the dredging work in the current year's budget. But as the working of the new dredger will be more costly, Rs. 5,000 has been provided on the above account for the year 1891-92, the remainder Rs. 1,200, being pay of Port officer as head pilot at Rs. 100 per mensem.

Cochin.

Receipts.—The average receipts on account of pilotage at Cochin for the last three years amounting to Rs. 2,749, which has been, however, vitiated by the income in

1888-89, the estimate for the ensuing year may be set down as Rs. 2,500 in round numbers. A comparison of the previous year's figures is given below :—

	RS.
Actuals—	
1887-88	2,346
1888-89	3,382
1889-90	2,521
Estimate—	
1890-91	2,000
1891-92	2,500

As stated in my remarks on Pilotage receipts, Rs. 2,000 the grant for the current year is included in Rs. 15,000, sanctioned in G.O., No. 855, Financial, dated 30th November 1889.

Charges.—The grant for the current year, *i.e.*, Rs. 2,800 may be repeated for the year 1891-92 and would comprise of the following sums :—

Rupees 1,920. Pay of 2 pilots at Rs. 160 per mensem.
" 300. Allowance to temporary boatmen at Rs. 25 per mensem.
" 450. Share of surplus pilotage payable to pilots.
" 130. Contingencies on account of uniform for boatmen, &c.
" 2,800 the grant for 1890-91 referred to is included in Rs. 6,000, sanctioned in G.O., No. 855, Financial, dated 30th November 1889, and the coming year's estimate compared with the figures of the past year would stand as follows :—

	RS.
Actuals—	
1887-88	1,532
1888-89	1,680
1889-90	2,460
Estimate—	
1890-91	2,800
1891-92	2,800

13. The estimates of the several funds for 1891-92 as above framed will stand as shown below :—

	Receipts.	Charges.
	RS.	RS.
Port Funds.		
Madras	1,13,000	67,000
Other districts	2,20,000	2,55,000
Act III of 1885.		
Cocanada	30,000	30,000
Negapatam	11,000	1,500
Pilotage.		
Madras	28,000	23,500
Pámban	13,000	6,200
Cochin	2,500	2,800

14. A revised estimate of receipts and charges of Port funds and Pilotage funds of Madras and other Maritime districts and also of the Landing and Shipping dues at Negapatam and at Cocanada for the year 1890-91 is also forwarded herewith.

PORT FUNDS ACT, X OF 1889.

15. (*a*) *Receipts.*—The receipts of the Maritime districts (Madras excepted) for 1890-91 are now estimated to be Rs. 2,26,790 or Rs. 2,27,000 in round numbers against Rs 2,10,000 provided for in G.O., No. 855, Financial, dated 30th November 1889, an increase of Rs. 15,875 being expected in the East Coast districts and about Rs. 915 in the West Coast districts which are accounted for as below :—

(iii)—*Madras.*

The share of General and Lighthouse charges payable by Madras port was, at the time of framing the budget for 1890-91, over-estimated by the Chairman, Harbour Trust Board, by Rs. 2,820, and the grant for that year on account of Port Fund charges of Madras port (*i.e.*, Rs. 68,000) has been therefore reduced by the above difference and set down as Rs. 65,180 in the column of "budget for 1890-91."

The revised estimate of charges as now arrived at amounts to Rs. 65,856 which is very nearly equal to the budget grant as above explained, and may safely be set down as Rs. 66,000 in round numbers.

16. I will now proceed to explain the variations in the revised estimate of General charges and Lighthouse charges (as per appendices 1 and 2 of Revised Estimate) over and below the budget estimate for 1890-91 as sanctioned in G.O., No. 855, Financial, dated 30th November 1889.

(*a*) *General Charges.*—A sum of Rs. 3,000 was provided for on account of leave allowance of Port Officers and Conservators and an increase in pensionary charges is anticipated in consequence of the retirement of Mr. Phipps, late Port Officer, Tuticorin, and other petty officers of the department.

(*b*) *Lighthouse Charges*—(i) *Eastern Group.*—Charges on account of establishment and special public works are nearly equal to the amounts budgetted for. A special provision of Rs. 500 was made towards cost of plate glasses recently received from England. A reduction of about Rs. 4,000 is expected in contingent charges, and is due to a sum of Rs. 2,500 being expunged from the budget on account of cost of two 4th-order lights for Manapad and Calingapatam which have been charged in the accounts for 1889-90, and also to reduction in average charges of lighthouses. A sum of Rs. 2,034 is provided for under Ordinary public works and comprises chiefly of the following items of charges and other charges of a petty nature not budgetted for—

	RS.
Repairs to Point Divi light	399
Repairing Pulicat Lighthouse Superintendent's quarters and the lascars' lines	461
Repairing Superintendent's quarters and lightning-conductor of Muthun light	116
Repairing the cracks in Tuticorin lighthouse	411
Total ..	1,387

(ii) *Western Group.*—The increase in Lighthouse charges of the Western Group is very trifling that it calls for no special remarks.

17. An abstract statement, showing the receipts and charges for 1890-91 as now revised, of Madras and other districts is given below :—

REVISED estimate of receipts for 1890-91.

—		Actuals, 1889-90.	Budget estimate, 1890-91.	Revised estimate, 1890-91.
		RS.	RS.	RS.
Madras ..	.. Port dues	1,09,432	1,19,000	95,000
	Sundry receipts	8,452	11,000	17,612
	Total ..	1,17,884	1,30,000	1,12,612 or 1,13,000
Other districts ..	Port dues	1,80,311	1,72,000	1,72,000
	Sundry receipts	97,686	38,000	54,790
	Total ..	2,77,997	2,10,000	2,26,790 or 2,27,000
	Grand Total ..	3,95,881	3,40,000	3,39,402 or 3,40,000

REVISED estimate of charges for 1890-91.

—	Actuals for 1889-90.	Budget estimate, 1890-91.	Revised estimate, 1890-91.
	RS.	RS.	RS.
Madras.			
Share of General charges	9,220	7,827	9,339
Do. of Lighthouse charges	8,552	6,911	6,572
Salary of Deputy Conservator	7,590	8,640	8,640
Personal allowance of Deputy Conservator..	1,050	..	2,100
Other establishment	25,161	19,732	19,438
Contingencies and miscellaneous	2,94,076	22,070	19,767
Total ..	3,45,649	65,180	65,856 or 66,000
Other Districts.			
General charges (exclusive of share payable by Madras)	47,647	47,183	52,661
Lighthouse charges (do. do.)	32,529	29,409	28,428
Port officers	35,358	36,120	35,880
Personal allowance	1,050	..	8,760
Other establishments	18,905	21,627	20,367
Contingencies and miscellaneous	69,680	87,250	52,271
Total ..	2,05,169	2,21,589	1,98,367 or 1,99,000
Grand Total ..	5,50,818	2,86,769	2,64,223 or 2,65,000

ACT III OF 1885.

LANDING AND SHIPPING DUES.

(i) *Cocanada.*

18. The Act having come into force at the above port only from 1st October 1890, the receipts and charges have been calculated on the expectations of remaining six months of the year. On the charge side is included only the ordinary charges, such as groynes work, establishment and contingencies of dredgers.

(ii) *Negapatam.*

The receipts and charges as fixed in the budget for 1890-91 are not likely to be altered and may therefore be allowed to stand as they are.

PILOTAGE FUNDS.

(i) *Madras.*

19. In his revised estimate of Pilotage fund, herewith submitted, the Chairman, Harbour Trust Board, has fixed the receipts for the current year to be Rs. 28,000 and charges Rs. 23,762, which latter may be set down as Rs. 23,500 in round numbers, and the variations in the revised estimate over and below the budget estimate for the current year have been explained by him in the column of remarks in that estimate.

(ii) *Pámban and Cochin.*

The estimated receipts and charges of the Pilotage funds at Pámban and Cochin for 1890-91 as sanctioned in G.O., No. 855, Financial, dated 30th November 1889 are not likely to be affected and may be allowed to stand.

20. The revised estimate of receipts and charges of the above funds for 1890-91 will as above framed stand thus—

Port Funds Act (X of 1889).

	Receipts.	Charges.
	RS.	RS.
Madras	1,13,000	66,000
Other districts	2,27,000	1,99,000

Act III of 1885.

Cocanada	15,000	9,000
Negapatam	11,000	1,500

Pilotage Funds.

Madras	28,000	23,500
Pámban	13,000	3,200
Cochin	2,000	2,800

21. With the above remarks, I beg to submit the estimates in question for the sanction of Government.

22. The Port and the Pilotage Fund estimates of Madras was received in this office only on the 14th instant, as the Chairman, Harbour Trust Board, experienced a great difficulty in compiling the budgets in question, his records having been destroyed by the late fire, and it was due to this fact that I was unable to submit the Port Fund Department budget on the prescribed date (*i.e.* 15th January).

From W. P. AUSTIN, Esq., C.S., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government (through the Presidency Port Officer, Madras), dated 2nd February 1891, No. 1405-A.

I have the honor to request that I may be informed as to what sum I can take credit for in the Harbour Trust Revenue budget estimate as a contribution from Port Fund.

The balance available on the 2nd April next would appear to be only about Rs. 10,000 (ten thousand): thus—

Balance of Madras Port Fund—

	RS.
31st March 1890	2,36,221
Estimated surplus, 1890-91	35,000
	2,71,221
Received, 1890-91	2,62,000
	9,221

No. 40-G.

Forwarded to Government, observing that the surplus of Madras Port for the year, 1891-92, to be paid as contribution to the Harbour Trust Board, is estimated to be Rs. 46,000 as per budget estimate submitted with my letter No. 1229—13-G., dated 19th January 1891.

2. The estimated surplus for the year 1890-91, as per revised estimate for that year, submitted with my letter referred to, is only Rs. 47,000, while a sum of Rs. 62,000 has already been drawn by the Harbour Trust Board on this account in addition to Rs. 2,00,000 ordered to be transferred to Harbour Trust Board.

The contribution to be paid to the Harbour Trust Board for 1891-92 may therefore be estimated to be Rs. 31,000 (estimated surplus of 1891-92, Rs. 4,600 *minus* Rs. 15,000 contribution overdrawn for 1890-91).

MADRAS,
6th February 1891.

H. B. SIMPSON, Captain, H.M'S.I.M.,
Acting Presidency Port Officer.

ORDER—dated 26th March 1891, No. 211, Financial.

The budget estimates of the various Port and Marine funds in the Presidency for 1891-92, submitted with the foregoing letter, have been framed in accordance with the instructions conveyed in paragraph 17 of G.O., dated 5th March 1890, No. 85, Marine. The revised estimates should in future be incorporated with the same statements which contain the budget of the following year, so that the closing balances may be calculated on the basis of the more correct information thus rendered available.

PORT FUNDS ACT X OF 1889.

2. Numerous petty alterations in the estimates of some of the District funds are rendered necessary, as the readjustments ordered in G.O., dated 31st December 1890, No. 471, Marine, could not be effected before the submission of the budget. It must be remembered that no *minus* balance can possibly exist under any fund at the close of a year, without the deficit being fully made good by a corresponding credit simultaneously afforded either by a loan or by a contribution from some other fund and as far as possible in the accounts of the same year. Interest being chargeable from 1st April 1889 (paragraph 5 of G.O., dated 24th April 1889, No. 171, Marine), the Madras port ought to obtain credit from all the deficit funds on the full outstandings year by year from that date as shown in Appendix II to these proceedings. It is not clear why the Presidency Port Officer has omitted to provide for the payment of interest in the revised estimates for 1890-91 of the districts concerned.

3. *Ganjam.*—There appears to be hardly any prospect of this fund ever recovering from the chronic state of insolvency into which it has drifted; notwithstanding the advances made from Provincial revenues to cover the annual deficits in the past and to meet the interest payable to Madras. In the estimates now before Government, the Presidency Port Officer budgets for an increased revenue of nearly Rs. 4,000 in each year over the actuals of 1889-90 under *Other dues*, and a decreased expenditure of nearly Rs. 2,000 under *Contingencies* and *Miscellaneous*; but it seems problematical whether these anticipations will be fully realized. Accepting the estimates as correct, there would be, on the normal transactions of the fund, a surplus of Rs. 1,580 in the current, and Rs. 1,082 in the ensuing, year. The payment of interest due to Madras, viz., Rs. 7,576 per annum will, however, convert this into a large deficit in each year, which can only be made good by a further grant-in-aid from Provincial revenues. The total amounts so paid to Ganjam on this account will on 31st March 1892 aggregate* Rs. 24,373; these will no longer be treated as advances, but will be finally written off the Provincial accounts as contributions to Port funds. The standing debt will remain at 1·89 lakhs.

	RS.
* 1889-90	11,883
1890-91	5,996
1891-92	6,494
Total ..	24,373

4. *Vizagapatam.*—A provision of Rs. 10,200 is made in the estimates of 1891-92 to meet the cost of—

(i) a 10-ton crane already ordered out from England (Rs. 5,000);
(ii) a buoy to facilitate the landing of railway materials belonging to the East Coast Railway (Rs. 1,200); and
(iii) two groynes to be constructed by the Public Works Department for the same purpose (Rs. 4,000).

The cost of the first two of these has been debited against Provincial revenues; the necessity for the third has been questioned by the Public Works Department, but even though sanction for the work may be accorded, expenditure of this kind should apparently be met from the dues leviable under Act III of 1885 recently introduced into the district. The provision made in the budget on this account will accordingly be struck out.

5. *Godávari.*—The deficit in 1889-90, viz., Rs. 3,226, having been made good by the writeback of Rs. 4,649 to the Groynes fund (Act III of 1883) as ordered on

page 83 of G.O., No. 471, dated 31st December 1890, the debt due to Madras was reduced to Rs. 4,702 on 1st April 1890; the estimates of charges in the current and ensuing years have been correctly relieved of all expenses in connection with dredging operations, and the Presidency Port Officer anticipates that there will be a surplus of Rs. 1,890 and Rs. 4,075, respectively, so that the entire loan will be repaid together with interest, and there will still be a credit balance of nearly Rs. 1,000 on 31st March 1892, which is satisfactory.

6. *Kistna.*—This fund is fast sinking into insolvency, and the Presidency Port Officer is unable to suggest any ways or means for retrieving the position. The annual deficits excluding interest are expected to be Rs. 1,732 and Rs. 1,354, respectively, so that the total debt will be raised to Rs. 8,720.

7. *South Arcot.*—A special provision of Rs. 4,420 is made for repairing the jetty and wharf at Cuddalore, but the charge will be met from the balance at the credit of the district, which will be still Rs. 5,000 in excess of the amount already invested.

8. *Tanjore.*—The liabilities of this district amounted to over Rs. 34,000 on 1st April 1890. As compared with the forecast in page 94 of G.O., dated 5th March 1899, No. 85, Marine, the estimates of receipts now submitted by the Presidency Port Officer would seem to be unduly low, while the charges are largely swelled by a liberal provision for dredging and other expenses which are not properly debitable to Port funds. The result is that the debt on 31st March 1892 will be raised to nearly Rs. 40,000.

9. *Madura.*—The opening balance of Rs. 22,853 in this district on 1st April 1888 remains untouched owing to the deficit of each subsequent year being met by a contribution from the Pámban Pilotage fund. These contributions would exceed Rs. 14,000 by the end of 1891-92; nevertheless the closing balance under Pilotage would be over Rs. 25,000 after meeting a special charge of Rs. 2,000 in 1890-91 on account of dredging the channel and Rs. 5,000 in 1891-92 for maintaining the new dredger. This is satisfactory, the balances amounting in the aggregate to nearly half a lakh. A sum of one lakh has already been provided for the Pámban dredger in the Provincial budget for 1891-92; but as the actual cost will probably exceed two lakhs, a certain proportion of the cost will have to be borne by the Madura Port fund and the Pámban Pilotage fund. The remainder will be borrowed by the latter from the Tinnevelly Port fund.

	RS.
1888-89	3,196
1889-90	5,798
1890-91	2,725
1891-92	2,447
Total ..	14,166

10. *Tinnevelly.*—The Presidency Port Officer provides Rs. 43,400 for the construction of an iron shed and for pier improvements at Tuticorin. This charge can be met from the balance at the credit of the fund, but will necessitate the sale of some of its Government securities, and thus slightly reduce the estimated income from interest. A much larger sum will probably have to be lent to the Pámban Pilotage fund for the new dredger expected early next year, but until the exact cost is ascertained, no alterations will be made in the estimates submitted by the Presidency Port Officer.

11. The majority of the districts named below will add to their accumulated balances during the two years, so that additional investments in Government securities may be made to the extent specified in column 4. The Accountant-General will arrange for this being done as early as possible. The Presidency Port Officer should bear in mind that the amounts so invested are withdrawn from the treasury and are not available for expenditure in the districts concerned or for general purposes; until the securities are sold and credited as receipts a portion of the special charges proposed for Tinnevelly cannot be incurred. Consequently, a distinction should be made in the estimates between expenditure representing cash requirements from the treasury and that which can only be met from the sale-proceeds of Government paper, no portion of which should in any case be sold out without the orders of Government.

868/120

Districts.	Estimated opening balance, 1891-92.	Amounts invested on 25th June 1890.	Amounts to be invested in 1891-92.	Total investments.	Estimated closing balance, 1891-92.
1	2	3	4	5	6
	RS.	RS.	RS.	RS.	RS.
Vizagapatam	90,164	90,000	..	90,000	93,454
Nellore	8,183	6,000	2,000	8,000	9,457
Chingleput	6,194	4,000	2,000	6,000	6,547
South Arcot	28,054	20,000	5,000	25,000	25,247
Madura	22,853	20,000	..	20,000	22,853
Tinnevelly	1,35,546	1,20,000	— 20,000	1,00,000	1,00,155
Malabar	1,79,709	1,00,000	70,000	1,70,000	1,91,563
South Canara	29,411	22,000	7,000	29,000	31,672
Total ..	5,00,114	3,82,000	66,000	4,48,000	4,80,948

12. *Madras.*—The opening balance of this port stood at Rs. 7,23,394 on 1st April 1889. Out of this, payments to the Harbour Trust Board have already been made to the extent of Rs. 5,37,000. The surplus on normal transactions in the three years will according to the present estimates amount to Rs. 1,23,829; while realizations on account of interest from the districts of Ganjam, Godávari, Kistna and Tanjore will aggregate Rs. 27,749; the loans advanced to these districts to cover deficits will amount to Rs. 2,43,782, and repayments to Rs. 6,125, so that the closing balance will be Rs. 51,706 on 31st March 1 91, and Rs. 1,00,315 on 31st March 1892, as shown in detail in Appendix II. A sum of Rs. 50,000 can therefore be safely transferred to the Harbour Trust Board in 1891-92 and the Accountant-General will arrange accordingly.

The total assets of the Madras port at the end of 1891-92 may then be taken at 2·88 lakhs, of which 2·38 will be outstanding as loans to District funds. The Presidency Port Officer will furnish the Chairman, Harbour Trust Board, with a detailed statement showing the variations between the estimates submitted by the latter and those now approved.

PILOTAGE FUNDS ACT X OF 1889.

13. The estimates under this section are approved, but the Presidency Port Officer should in future provide for the adjustment in favor of the Madura Port fund from the Pámban surplus, as shown in Appendix II. The levy of pilotage fees in Mangalore having been sanctioned in G.O., No. 54, Marine, dated 10th February 1891, the receipts and charges in the ensuing year may, in the absence of any information on the subject, be taken roughly at Rs. 3,000 and Rs. 2,000, respectively.

14. It is not clear under what head the Presidency Port Officer exhibits the transactions relating to the Pilotage services in Kílakarai. If under Port funds, they should be eliminated therefrom with effect from 1st April 1888 and shown separately under this section. If included with the Pámban pilotage, the heading should be altered to Pámban and Kílakarai.

LANDING AND SHIPPING DUES ACT III OF 1885.

15. The Act having been extended to the port of Vizagapatam under G.O., dated 16th February 1891, No. 61, Marine, the estimate of receipts may be fixed at Rs. 5,000 including the dues on railway materials; on the expenditure side provision may have to be made for some of the charges referred to in paragraph 4 *supra*, and a sum of Rs. 4,000 will be assigned as the budget grant for 1891-92.

16. The programme of works to be executed by the Public Works Department does not include some of the items sanctioned in G.O., dated 4th December 1890, No. 906, Financial, and incorporated in the Preliminary issue of the Public Works budget—*vide* paragraph 5 of G.O., dated 20th December 1890, No. 3398 W.—but a sum of Rs. 7,500 is provided in the present estimates for the construction of groynes to prevent the erosion of the sea at Vypeen and Cochin, against Rs. 3,170 allotted for

the purpose in the earlier orders. A redistribution can therefore be made with the increased estimates now forwarded. These are accordingly approved, (with the exception of the item of Rs. 4,000 for the construction of the groynes at Vizagapatam,) and transferred to the Public Works Department.

17. The estimates as above modified are shown in the Appendices to these proceedings. It is presumed that no elaborate readjustments of figures will hereafter be necessary in reviewing the reports and budgets of the Presidency Port Officer. It is essential that adjustments on account of loans, interest, &c., should be distinguished from the ordinary receipts and charges of each individual fund, and it will therefore be convenient if a statement in the form of Appendix II be added to the annual administration report, and if the budget estimates are based on the figures finally accepted by Government in reviewing the latest report.

18. The estimates for 1891-92 as passed by Government are summarised below in round numbers:—

—	Madras.	Eastern group.	Western group.	Total.
Port Funds Act X of 1889.	LAKHS.	LAKHS.	LAKHS.	LAKHS.
Receipts—				
Ordinary	1·05	1·47	·73	3·25
Adjustments on account of loans and interest ..	·13	·11	..	·24
Sale-proceeds of Government securities	..	·20	..	·20
Total ..	1·18	1·78	·73	3·69
Charges—				
Ordinary	·67	1·77	·59	3·03
Adjustments on account of loans and interest ..	·02	·13	..	·15
Investments in Government securities	..	·86	..	·86
Payments to Harbour Trust Board	·50	..	..	·50
Total ..	1·19	2·76	·59	4·54
Pilotage Funds.				
Receipts	·28	·13	·06	·47
Charges	·24	·06	·05	·35
Adjustments under charges	..	·02	..	·02
Landing and Shipping Dues.				
Receipts	..	·46	..	·46
Charges	..	·36	..	·36

(True Extract.)

J. F. PRICE,
Chief Secretary.

To the Presidency Port Officer.
" Chairman, Harbour Trust Board.
" Accountant-General.
" Marine Department.
" Public Works Department.
" Port Conservancy Board, Cocanada.
" Landing and Shipping Dues Committee, Negapatam.
" " " " " Vizagapatam.

Exd. A. Raitt.

868/13

APPENDIX I.

ORDINARY Receipts and Charges of Port and Marine Funds in the Madras Presidency, excluding adjustments on account of Loans, Interest, &c.

—	Actuals, 1889-90.		Revised estimate, 1890-91.		Budget estimate, 1891-92.	
	Receipts.	Charges.	Receipts.	Charges.	Receipts.	Charges.
Port and Marine Funds Act X of 1889.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam	12,361	16,666	16,985	15,405	16,054	14,972
Vizagapatam	20,028	22,582	26,979	24,981	27,023	* 23,733
Godávari	22,193	25,175	24,441	22,551	23,259	19,184
Kistna	9,978	11,882	9,622	11,354	10,007	11,361
Nellore	1,076	866	1,707	568	1,696	422
Chingleput	553	21	860	107	460	107
South Arcot	10,703	8,062	12,232	12,895	10,866	† 13,673
Tanjore	25,552	36,519	25,473	28,917	26,788	25,471
Madura	5,445	11,242	6,570	9,295	7,129	9,576
Tinnevelly	22,446	16,222	21,656	15,717	23,459	‡ 58,850
Total, Eastern Group ..	1,30,335	1,49,237	1,46,525	1,41,790	1,46,741	1,77,349
Malabar	62,168	45,726	69,327	44,016	60,568	48,714
South Canara	13,010	10,207	10,938	12,561	12,487	10,226
Total, Western Group ..	75,178	55,933	80,265	56,577	73,055	58,940
Madras port	1,17,884	70,648	1,04,500	65,856	1,04,534	66,584
Grand Total, Port Funds ..	3,23,397	2,75,818	3,31,290	2,64,223	3,24,330	3,02,873
Pilotage.						
Madras	30,670	20,714	28,000	23,500	28,000	23,500
Pámban	13,499	1,117	13,000	3,200	13,000	6,200
Cochin	2,521	2,460	2,000	2,800	2,500	2,800
Mangalore	..	..	..	..	3,000	2,000
Total ..	46,690	24,291	43,000	29,500	46,500	34,500
Landing and Shipping dues Act III of 1885.						
Cocanada	14,870	22,210	15,000	9,000	30,000	30,000
Negapatam	10,208	1,172	11,000	1,500	11,000	1,500
Vizagapatam	..	..	..	..	5,000	4,000
Total ..	25,078	23,382	26,000	10,500	46,000	35,500

* Excluding special charges, Rs. 10,200.
† Including special charges, Rs. 4,420.
‡ Including special charges, Rs. 43,400, of which Rs. 20,000 will be met by sale of Government Securities.

APPENDIX II.

Statement showing the financial position of the several Port and Marine Funds in

Funds.	1888-89.			1889-90.			1890-91.			
	G.O., dated 24th April 1889, No. 171, Marine. " " 5th Mar. 1890, " 85, "			G.O., dated 31st December 1890, No. 471, Marine.			Revised estimate.			
	Opening balance.	Surplus or deficit of the year.	Adjustments.	Opening balance.	Surplus or deficit of the year.	Adjustments.	Opening balance.	Surplus or deficit of the year.	Adjustments.	Opening balance.
1	2	3	4	5	6	7	8	9	10	11
Port Funds Act X of 1889.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam	— (b) 1,74,741	— (b) 14,654	..	— 1,89,395	— 4,307	— (e) 7,576 + (a) 11,883	— 1,89,395	+ 1,580	— (e) 7,576 + (a) 5,996	— 1,89,395
Vizagapatam	+ 94,415	— 3,695		+ 90,720	— 2,554	..	+ 88,166	+ 1,998	..	+ 90,164
Godávari	— 63,076	— (b) 6,125	+ (a) 63,076	— 6,125	— 2,881	— (e) 245 + (g) 4,549	— 4,702	+ (h) 1,890	— (e) 188	— 3,000
Kistna	— 718	— (b) 3,115	+ (a) 718	— 3,115	— (b) 1,905	— (f) 125	— 5,145	— (b) 1,732	— (f) 206	— 7,083
Nellore	+ 6,157	+ 676	..	+ 6,833	+ 211	..	+ 7,044	+ 1,139	..	+ 8,183
Chingleput	+ 4,339	+ 569	..	+ 4,908	+ 533	..	+ 5,441	+ 753	..	+ 6,194
South Arcot	+ 22,928	+ 3,147	..	+ 26,075	+ 2,642	..	+ 28,717	— 663	..	+ 28,054
Tanjore	— 8,690	— (b) 22,595	+ (a) 8,690	— 22,595	— 10,966	— (f) 904	— 34,465	— (b) 3,444	— (f) 1,379	— 39,288
Madura	+ 22,853	— 3,196	+ (e) 3,196	+ 22,853	— 5,798	+ (e) 5,798	+ 22,853	— 2,725	+ (e) 2,725	+ 22,853
Tinnevelly	+ 1,26,649	— 3,267	..	+ 1,23,382	+ 6,225	..	+ 1,29,607	+ 5,939	..	+ 1,35,546
Total, Eastern group ..	+ 30,116	— 52,255	+ 75,680	+ 53,541	— 18,900	+ 13,180	+ 48,121	+ 4,735	— 628	+ 52,228
Malabar	+ 1,24,880	+ 25,590	— (d) 12,516	+ 1,37,954	+ 16,444	..	+ 1,54,398	+ 25,311	..	+ 1,79,709
South Canara	+ 25,794	+ 2,438	..	+ 28,232	+ 2,802	..	+ 31,034	— 1,623	..	+ 29,411
Total, Western group ..	+ 1,50,674	+ 28,028	— 12,516	+ 1,66,186	+ 19,246	..	+ 1,85,432	+ 23,688	..	+ 2,09,120
Madras Port—										
1. Real balance at credit	+ 6,68,179	+ 55,215	..	+ 7,23,394	+ 47,235	+ (i) 8,850	+ 5,04,479	+ 38,644	+ (i) 9,349	+ 2,90,472
2. Deduct payments to Harbour Trust Board					— 2,75,000			— 2,62,000		
3. Deduct Loans outstanding	..	..	—(k) 2,21,230	— 2,21,230	+ (l) 1,423	— (i) 13,900	— 2,33,707	+ (l) 1,702	— (j) 6,761	— 2,38,766
4. Net working balance..	+ 6,68,179	+ 55,215	— 2,21,230	+ 5,02,164	— 2,26,342	— 5,050	+ 2,70,772	— 2,21,654	+ 2,588	+ 51,706
Grand Total, Act X of 1889 ..	+ 8,48,969	+ 30,988	+ 63,164	+ 9,43,121	— 2,27,419	+ 22,330	+ 7,38,032	— 1,94,933	+ 8,721	+ 5,51,820
Pilotage Funds Act X of 1880.										
Madras	+ 71,708	+ 11,587	..	+ 83,295	+ 9,956	..	+ 93,251	+ 4,500	..	+ 97,751
Pámban	..	+ 10,312	— (e) 3,196	+ 7,116	+ 12,381	— (e) 5,798	+ 13,699	+ 9,800	— (e) 2,725	+ 20,774
Cochin	..	+ 1,703	+ (d) 12,516	+ 14,219	+ 61	..	+ 14,280	— 800	..	+ 13,480
Mangalore	..	..	..	..	..	..	..	..	..	..
Total, Pilotage Funds ..	+ 71,[illegible]	+ 23,602	+ 9,320	+ 1,04,630	+ 22,398	— 5,798	+ 1,21,230	+ 13,500	— 2,725	+ 1,32,005
Landing and Shipping Dues Act III of 1882 and III of 1885.										
Cocanada	+ 8,061	+ 4,551	..	+ 12,612	— 7,340	— (g) 4,649	+ 623	+ 6,000	..	+ 6,623
Negapatam	..	..	..	..	+ 9,036	..	+ 9,036	+ 9,500	..	+ 18,536
Vizagapatam	..	..	..	..	..	..	..	..	..	..
Total, Landing and Shipping Dues ..	+ 8,061	+ 4,551	..	+ 12,612	+ 1,696	— 4,649	+ 9,659	+ 15,500	..	+ 25,159

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APPENDIX II.

Statement showing the financial position of the several Port and Marine Funds in the Madras Presidency.

Funds.	1888-89.			1889-90.			1890-91.			1891-92.			
	G.O., dated 24th April 1889, No. 171, Marine. " " 5th Mar. 1890, " 85, "			G.O., dated 31st December 1890, No. 471, Marine.			Revised estimate.			Budget estimate.			
	Opening balance.	Surplus or deficit of the year.	Adjustments.	Opening balance.	Surplus or deficit of the year.	Adjustments.	Opening balance.	Surplus or deficit of the year.	Adjustments.	Opening balance.	Surplus or deficit of the year.	Adjustments.	Closing balance.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Port Funds Act X of 1889.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam ..	− (b) 1,74,741	− (b) 14,654	..	− 1,89,395	− 4,307	− (e) 7,576 + (a) 11,883	− 1,89,395	+ 1,580	− (e) 7,576 + (a) 5,996	− 1,89,395	+ 1,082	− (e) 7,576 + (a) 6,494	− 1,89,395
Vizagapatam ..	+ 94,415	− 3,695	..	+ 90,720	− 2,554	..	+ 88,166	+ 1,998	..	+ 90,164	+ 3,290	..	+ 93,454
Godávari ..	− 63,076	− (b) 6,125	+ (a) 63,076	− 6,125	− 2,981	− (e) 245 + (g) 4,649	− 4,702	+ (h) 1,890	− (e) 188	− 3,000	+ (h) 4,075	− (e) 120	+ 955
Kistna ..	− 718	− (b) 3,115	+ (a) 718	− 3,115	− (b) 1,905	− (f) 125	− 5,145	− (b) 1,732	− (f) 206	− 7,083	− (b) 1,354	− (f) 283	− 8,720
Nellore ..	+ 6,157	+ 676	..	+ 6,833	+ 211	..	+ 7,044	+ 1,139	..	+ 8,183	+ 1,274	..	+ 9,457
Chingleput ..	+ 4,339	+ 569	..	+ 4,908	+ 533	..	+ 5,441	+ 753	..	+ 6,194	+ 354	..	+ 6,547
South Arcot ..	+ 22,928	+ 3,147	..	+ 26,075	+ 2,642	..	+ 28,717	− 663	..	+ 28,054	− 2,807	..	+ 25,247
Tanjore ..	− 8,690	− (b) 22,595	+ (a) 8,690	− 22,595	− 10,966	− (f) 904	− 34,465	− (b) 3,444	− (f) 1,379	− 39,288	+ 1,317	− (f) 1,571	− 39,542
Madura ..	+ 22,853	− 3,196	+ (c) 3,196	+ 22,853	− 5,798	+ (c) 5,798	+ 22,853	− 2,725	+ (c) 2,725	+ 22,853	− 2,447	+ (c) 2,447	+ 22,853
Tinnevelly ..	+ 1,26,649	− 3,267	..	+ 1,23,382	+ 6,225	..	+ 1,29,607	+ 5,939	..	+ 1,35,546	− 35,391	..	+ 1,00,155
Total, Eastern group ..	+ 30,116	− 52,255	+ 75,680	+ 53,541	− 18,900	+ 13,480	+ 48,121	+ 4,735	− 628	+ 52,228	− 30,608	− 609	+ 21,911
Malabar ..	+ 1,24,880	+ 25,590	− (d) 12,516	+ 1,37,954	+ 16,444	..	+ 1,54,398	+ 25,311	..	+ 1,79,709	+ 11,854	..	+ 1,91,563
South Canara ..	+ 25,794	+ 2,438	..	+ 28,232	+ 2,802	..	+ 31,034	− 1,623	..	+ 29,411	+ 2,261	..	+ 31,672
Total, Western group ..	+ 1,50,674	+ 28,028	− 12,516	+ 1,66,186	+ 19,246	..	+ 1,85,432	+ 23,688	..	+ 2,09,120	+ 14,115	..	+ 2,23,235
Madras Port—													
1. Real balance at credit ..	+ 6,68,179	+ 55,215	..	+ 7,23,394	+ 47,235	+ (i) 8,850	+ 5,04,479	+ 38,644	+ (i) 9,349	+ 2,90,472	+ 37,950	+ (i) 9,550	+ 2,87,972
2. Deduct payments to Harbour Trust Board ..	..	..			− 2,75,000			− 2,62,000			− 50,000		
3. Deduct Loans outstanding ..	..	..	−(k) 2,21,230	− 2,21,230	+ (l) 1,423	− (j) 13,900	− 2,33,707	+ (l) 1,702	− (j) 6,761	− 2,38,766	+ (l) 3,000	− (j) 1,891	− 2,37,657
4. Net working balance..	+ 6,68,179	+ 55,215	− 2,21,230	+ 5,02,164	− 2,26,342	− 5,050	+ 2,70,772	− 2,21,654	+ 2,588	+ 51,706	− 9,050	+ 7,659	+ 50,315
Grand Total, Act X of 1889 ..	+ 8,48,969	+ 30,988	+ 63,164	+ 9,43,121	− 2,27,419	+ 22,330	+ 7,38,032	− 1,94,933	+ 8,721	+ 5,51,820	− 28,543	+ 8,941	+ 5,32,218
Pilotage Funds Act X of 1889.													
Madras ..	+ 71,708	+ 11,587	..	+ 83,295	+ 9,956	..	+ 93,251	+ 4,500	..	+ 97,751	+ 4,500	..	+ 1,02,251
Pámban ..	..	+ 10,312	− (c) 3,196	+ 7,116	+ 12,381	− (c) 5,798	+ 13,699	+ 9,800	− (c) 2,725	+ 20,774	+ 6,800	− (c) 2,447	+ 25,127
Cochin ..	..	+ 1,703	+ (d) 12,516	+ 14,219	+ 61	..	+ 14,280	− 800	..	+ 13,480	− 300	..	+ 13,180
Mangalore ..	..	..	..	..	..	..	..	..	..	..	+ 1,000	..	+ 1,000
Total, Pilotage Funds ..	+ 71,[illegible]	+ 23,602	+ 9,320	+ 1,04,630	+ 22,398	− 5,798	+ 1,21,230	+ 13,500	− 2,725	+ 1,32,005	+ 12,000	− 2,447	+ 1,41,558
Landing and Shipping Dues Act III of 1883 and III of 1885.													
Cocanada ..	+ 8,061	+ 4,551	..	+ 12,612	− 7,340	− (g) 4,649	+ 623	+ 6,000	..	+ 6,623	..	..	+ 6,623
Negapatam ..	..	..	..	..	+ 9,036	..	+ 9,036	+ 9,500	..	+ 18,536	+ 9,500	..	+ 28,036
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	+ 1,000	..	+ 1,000
Total, Landing and Shipping Dues ..	+ 8,061	+ 4,551	..	+ 12,612	+ 1,696	− 4,649	+ 9,659	+ 15,500	..	+ 25,159	+ 10,500	..	+ 35,659

Remarks. 15

(a) Deficits made good from Provincial revenues.
(b) " made good by loans from Madras balances.
(c) Transfers from the Pámban Pilotage to the Madura Port fund.
(d) " from the Malabar Port fund to a separate Pilotage fund.
(e) Interest payable to the Madras port, at 4 per cent.
(f) " payable to Madras advanced by Madras itself as an addition to loan.
(g) Cocanada dredge expenses met from the balance of the Groynes fund.
(h) Surplus repaid to Madras in reduction of debt.
(k) Loans given for 1888-89 to—

	RS.
Ganjam ..	1,89,395
Godávari ..	6,125
Kistna ..	3,115
Tanjore ..	22,595
Total ..	2,21,230

Madras Port.

Details.	Actuals, 1889-90.	Revised estimate, 1890-91.	Budget estimate, 1891-92.
	RS.	RS.	RS.
Opening balance ..	7,23,394	5,04,479	2,90,472
Deduct amount transferred to the Harbour Trust Board ..	2,75,000	2,62,000	50,000
Net balance available ..	4,48,394	2,42,479	2,40,472
Add surplus of the year ..	47,235	38,644	37,950
Add interest received from Ganjam ..	7,576	7,576	7,576
Add interest received from Godávari ..	245	188	120
Add interest received from Kistna ..	125	206	283
Add interest received from Tanjore ..	904	1,379	1,571
Total (i) ..	8,850	9,349	9,550
Real balance ..	5,04,479	2,90,472	2,87,972
Loans given in previous years (k) ..	2,21,230	2,33,707	2,38,766
Loans advanced to cover deficits. Kistna ..	1,905	1,732	1,354
Loans advanced to cover deficits. Tanjore ..	10,966	3,444	..
Loans advanced for payment of interest. Kistna ..	125	206	283
Loans advanced for payment of interest. Tanjore ..	904	1,379	254
Total during the year (j) ..	13,900	6,761	1,891
Deduct— Loans repaid by Godávari (l) ..	1,423	1,702	3,000
Net loans outstanding ..	2,33,707	2,38,766	2,37,657
Net Working balance ..	2,70,772	51,706	50,315

P.W. 1058/402/91

Govt. of {1891} Madras.
FINANCIAL.

No 1119 W.d/22nd April 1891

Issued

Recd.

Encl.

G.O., 26th March 1891, No. 211.

MARCH.

Budget Estimates.

Reviewing the — of the various Port and Marine Funds in this Presidency for the year 1891-92.

Communicated to officers concerned for information and guidance.

2. The works proposed for execution by the P.W. Dept will be included in the final issue of the Excluded Local Fund Budget Estimate for 1891-92.

(Sd) A.C.S.

W

S. Es
C.A. to Govt
Exr. P.W. Accts.

C. No. 1020 Marine

No 1056/543 G.

PRESIDENCY PORT OFFICE,
Madras, 7th November 1890.

Heading.

Iron Shed.

From
THE PRESIDENCY PORT OFFICER,
MADRAS, 8/16

To
THE CHIEF SECRETARY TO GOVERNMENT,
MARINE DEPARTMENT,
FORT ST. GEORGE.

SIR,

It having been brought to my notice that a corrugated iron shed for storing goods is much wanted at Tuticorin in the vicinity of the inner end of the Pier, I proceeded to the port some little time ago and personally looked into the question and having satisfied myself as to the necessity of the shed, I placed myself in communication on the subject with the Executive Engineer of the District, and now beg to submit for the sanction of Government the accompanying estimate amounting to Rs 8,400.

1 Estimate
2. Plans.

2. The Executive Engineer considers

that it is highly probable the material for the shed could be more cheaply obtained if ordered direct from England and as I have no reason to think the contrary, I beg that the P.W. Dept may be so authorized to procure the materials required and to construct the shed with the least possible delay.

The cost of the shed can be met from the surplus Port Funds lying to the credit of the Tinnevelly District.

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

H A Street
Captain H.M's I.M.
Presidency Port Officer.

808/17

Hue.

JHG 16/11/90
Dy 21st November 1890

approved and transferred to the Public Works Department

Chief Secretary.

C. No. 1020.
P.W.C. No. 11186

Marine 1890 (~~18~~) DEPARTMENT.

From

THE PRESIDENCY PORT OFFICER,
Madras,

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

No. 1056/543 G

Dated 7th } November 1890.
Received 7th }
Enclo. 3 (+ plans)

No.

No. 4959 C

27 NOV 90

Subject.

Submitting for sanction an estimate for constructing a Corrugated iron shed at the inner end of the Pier at Tuticorin.

Transferred

22.11.90

C. 14/11
R. 15/11

868/18

I do not see why we should send to England for this – Old rails make excellent uprights, and Messrs Richardson & Cruddas would give an estimate for the iron roofing, trusses &c.

In the drawing the angle purlins are not correctly shown they should be directly over the struts of the trusses.

I would suggest ~~that~~ the local purchase of ~~the~~ iron work be sanctioned & that the E.E. be told to send in a complete plan & estimate.

25.11.90

Yes E 26/11

Public Works Department.

TECHNICAL NOTE.

Current No. 14181
Letter No. Nil
Dated 21st November 1890
From the Marine Deptt:
Name of Work Corrugated iron Shed near the Shore end of the pier
District Tinnevelly
Taluk Tuticorin
Amount of Estimate Rs 8,400
Do. of Revised Estimate
G.O. sanctioning original estimate No.
dated
Difference. { More
{ Less

PARTICULARS OF ESTIMATE.

Main Building	Rs.	8,400
Subsidiary Buildings	"	–
Contingencies	"	–
Petty Supervision	"	–
Land compensation	"	–
Total Rs.		8,400

PARTICULARS OF CONSTRUCTION.

Surface soil Not described
Sub soil do
Foundations To consist of 2 ft of Concrete into which 4 iron Standards are to be anchored 1' deep which appears to be insufficient it should be at least 1½' into the concrete
Basement Nil
Walls Corrugated iron 8' high

Plastering Nil

Pointing Nil

Flooring to consist of 6" of gravel

Roofing to be of corrugated iron on iron trusses

Roof timbers Nil

Scantlings Nil

Doors ~~and Windows~~ to be of corrugated iron –

Lightning Conductors Nil

Rates Somewhat high

The ~~plinth~~ area of the main building is 5,000 square feet, and the cost per square foot will be Rs. 1-10-11

The Plan and Estimate have been countersigned by the Presidency Port Officer and approved in the Marine Department. but they have not been countersigned by S.E.

868/18

REMARKS.

The following rates are in Excess –

(1) Concrete Rs 15 per 100 cft against Rs 10.3--

If the concrete is mixed with surki mortar the rates would be Rs 15 against Rs 14 – but there is no detail Estimate to show this –

(2) Gravel flooring Rs 7 per 100 cft against Rs 1-10-- the latter rate does not include carriage & as the distance is not known it cannot be fairly calculated. in any case the rate seems high –

The other rates cannot be checked –

The length of the shed is to be 100' & the total width 50'

28.11.90

R.16/a

P. W. Department

No. 4959 C
d/ 1st December 1890

868/19

Memorandum

From the Presidency Port Officer, Madras No. $\frac{1056}{543}$ G. dated 7th November 1890.

Endorsement thereon by the Marine Department dated 21st November 1890.

Forwarded to the Suptg: Engineer VI circle with the remark that the Chief Engineer sees no necessity for procuring the materials of the shed from England. Old rails make excellent uprights, and the trusses, iron roofing &c might be obtained from any firm of repute in India.

2. The design of the trusses would be improved by placing the centre purlins over the struts of the trusses.

3. The Suptg: Engineer is requested to have a complete plan, estimate and Specification prepared for the work

to enable the Chief Engineer,
to apply for permission to
purchase the materials
locally.
25.11.90

D 25.11

2/12

No. 4959 C. d/ 1.xii.90

To
The Supdg: Engineer VI circle
with 3 enclos.

D 2/12

7 Cmy 1.12.90

5 Mar

C. 76/91

Mar Cno. 233

No. $\frac{1056}{72}$ G

PRESIDENCY PORT OFFICE,
Madras, 3rd March 1891.

Heading.

Iron goods shed, Tuticorin.

From
THE PRESIDENCY PORT OFFICER,
MADRAS,

To
THE CHIEF SECRETARY TO GOVERNMENT,
MARINE DEPARTMENT,
FORT ST. GEORGE.

SIR,

I have the honor to request that early orders of Government may be obtained on this Office letters quoted in the margin, respecting the construction of a corrugated iron shed for storing goods at Tuticorin.

I have the honor to be,
Sir,
Your Obedient Servant,
H. B. Simpson
Captain H. M. I. M.
Ag. Presidency Port Officer

×No. $\frac{1056}{543}$ G, dated 7th November 1890.
⊗No. $\frac{1056}{601}$ G, dated 16th December 1890.

× C. Lr. 1020/90. approved & transferred to P.W. Dept. 21/11/90

⊗ C. Lr. 1181/90 - Transferred to P.W. Dept. 20/12/90

7 No. 4959 C. 1.12.90

II No. 32 C. 6-1-91

8/20

868/21

No. 4959 C of 1-12-90
" 32 C " 6-1-91

D/ 7th March 1891

Transferred to the
Public Works Dept
Medrich[illegible]
Chief Secretary

F.D.B.
5/3.

No. 1349 C of 11th March 1891

C/

Memo

The attention of the Supg. Engr ~~II~~ VI Circle is called to the communications noted below on the subject of a corrugated Iron shed for storing goods at Tuticorin. He is requested to be so good as to hasten the disposal of the matter.

No. 4959 C of 1st Decr. '90
" 32 C of 6th Jany. '91

0013
9.3.91

S. E. VI Circle
~~S. E.~~ VI Circle
1/3/91

C.S.

3/3

Cuo - 233

Marine (1891) DEPARTMENT.

P. W. C. No: 2626.

From

THE PRESIDENCY PORT OFFICER,
Madras,

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

No. 1056/72 G

Dated 3rd
Received 7th March 1891.

No.

No. 1349 C of 11-3-91

CHIEF SECRETARY
4 MAR 91
GOVERNMENT OF MADRAS

Subject.

Requesting early orders on certain letters respecting the construction of a corrugated [illegible] shed for storing goods at Tuticorin

With Memo

Marine Pro. 1181

Heading.

Iron Shed for Tuticorin

No. 1056/601 G

PRESIDENCY PORT OFFICE,
Madras, 16 December 1890.

From

THE PRESIDENCY PORT OFFICER,
MADRAS,

868/2

To

THE CHIEF SECRETARY TO GOVERNMENT,
MARINE DEPARTMENT,
FORT ST. GEORGE.

C No. 1020/90: Approved
Trans. to P. W. Deptt.
21/11/90

SIR,

Adverting to this Office letter, No. 1056/543 G, dated 7th November 1890, I have the honor to forward, for the information of Government, the accompanying copy of a letter from the Executive Engineer, Tinnevelly Division (No. 2797 of 8th December 1890) and to recommend that, under the circumstances, sanction may be accorded to accepting Messrs. Massey & Co's tender for the corrugated iron shed for Tuticorin, as a considerable saving on the estimate already submitted to Government can be effected thereby.

I have the honor to be,
Sir,
Your obedient Servant,

W. B. Simpson
Captain H.M.'s I.M.
Acting Presidency Port Officer.

P.W. 117

D. P. W.

868/23

From

F. J. Wilson Esqr.
Executive Engineer
Tinnevelly Division

To
The Presidency Port Officer

Station Palamcottah

No. 2797

Dated 8
Despatched 9 } December 1890.

Sir,

In continuation of my No. 2435/4-11-90 I have the honor to inform you that Messrs. Massey & Co., Madras, undertake to deliver a shed as described in my letter at any site in Tuticorin for Rs 6880 - this would reduce my estimate by

Rs 680. I think on the whole their tender the most favorable

I have &c

(Sig.) F. J. Wilson
Executive Engineer
Tinnevelly Division

(True copy)

A. B. Simpson
Captain H. M. I. M.
Ag: Presidency Port officer

B.V. Cul/12339/90

Marine Case 1181/1

WMF

868/24

P. W. G. No 12339

Dt 20 Decr 1890

Transferred to the P. W. Dept with refce. to Endorsement of the 21st ultimo.

Fredrick White
Chief Secretary

7 D B
18/XII.

Enl

Recd. 22-XII-90.

X C no. 1181 N. 4959C d 1-12-90

No 32C d/ 6th January 1891

New Supg Engr VI Circle is requested to expedite the submission of the complete plans & estimate called for in this office No 4959C dt 1st Decr 1890.

W.M.D.
20.12.90

B

S. E. VI Circle.

6/1/91

No 1181

Marine (1890) DEPARTMENT.

From

THE PRESIDENCY PORT OFFICER,
Madras,

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

No. 1056/601 G

Dated 16th } December 1890.
Received }

No.

Encl 1

4959 C d/1-12-90

16 DEC 90

Subject.

Recommending Messrs Massey & Co's tender for constructing an Iron Shed at Tuticorin.

Transferred

B

8618W

1 Hw
21.iii

Public Works Department.

Current No. 2925

Letter No. 1173 T.N.

Dated 11th March /91

From the S. E. VI Circle

868

DW

NOTE OF REMARKS.

With reference to Chief Engineer's memo No 4959C dated 1st December 1890, the accompanying plans and estimates the latter amounting to Rs 8,000 if H Steel columns are used and Rs 7,880 if old rails are used as columns for constructing an iron goods shed at Tuticorin.

The alternative estimates are submitted in supercession of the estimate for Rs 8,400 referred to in this office memo quoted above.

The S. E. however prefers the estimate of Rs 8000 for H Steel columns which still shows a saving of Rs 400 on the original estimate of Rs 8,400, but in this office memo under reference it is suggested that old rails make exc[illegible] uprights in which case there would be a saving of Rs 120. The saving is so small in using the old rails & the advantages are so great in having new Steel H uprights that it seem desirable that S.E's Views should be adopted.

×No details have been given for iron work simply a lump sum of Rs 7000 is provided in the estimate of Rs 8000 & Rs 6880 in the estimate of Rs 7880. These items of course cannot be checked.

The rate for gravel flooring ~~is~~ also cannot be checked for want of data, the other rates are fair. (1)

The following lump sum provisions are made in both estimates Viz:

Excavating & filling in foundations Rs 50 & erecting & resetting &c Rs 400.

Contingencies & Petty supervision are provided for at 3/4 & 1½ percent respectively.

The plans & estimates have not been countersigned by the Presidency Port Officer nor approved in

868/25

× The lump sum provisions for iron work in the estimates it is stated were based on estimates received from several Firms in India.

(2)

the Marine Department. But the original estimate of Rs 8400 which is more than the present estimate has been countersigned & approved. It therefore seems unnecessary to refer the matter to the Marine Department again.

17.3.91

DW 868/26

Papers regarding goods shed at Tuticorin submitted

CS
6/iv

Seen
OVB
6.4.91

[illegible]
CS

that old rails make exc
uprights in which case
there would be a saving

Note by Secy. 8/27

The S.E. VI with his letter 1173 T.N. dated 11.3.91 forwards two alternative estimates for the construction of an Iron Goods Shed &c at Tuticorin.

The estimate amounting to Rs 8000 provides for the use of entirely new material –

The other alternative estimate, in which the use of old iron rails for the uprights is proposed amounts to Rs 7880 –

There is but little difference between the amount of the two estimates and seeing that better connections can be obtained

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SUPERINTENDING ENGINEER,
6TH CIRCLE.

11 March 1891

72/-

tin Esq.
gineer,
6TH CIRCLE.

8/29

WORKS DEPARTMENT.

verting to your memo
4959.C dated 1st
in the matter of pre-
and estimate
ods Shed at Tuticorin,
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l Steel columns are
if the columns are
ails.

use of the small
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R Company has
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, double the price
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that old rails make ex
uprights in which case
there would be a savi
of Rs 120. The saving is s
small in using the old
& the advantages are s
great in having new
Steel H uprights that
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provided in the estima
of Rs 8000 & Rs 6880 in t
estimate of Rs 7,880. The
items of course canno
be checked.

The rate for gra
flooring is also canno
be checked for want o
data, the other rates
are fair. ①

The following lump
provisions are made i
both estimates viz.
Excavating & filling
foundations Rs 50 & ere
& resetting &c Rs 400.

Contingencies & Petty
-vision are provided for
3/4 & 1½ percent respec

The plans & estimate
not been countersign
by the Presidency Po
Offices nor appea

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between the framing
and the roof
~~and~~ with the uprights
by the use of new
material, the Ch. Engr
recommends for
sanction the
Estt. amounting to
Rs 8000 —

The Ex. Engr. in his
letter No. 7797 Dated
8-12-90
Presidency Post Office
having reported
that Messrs. Murray
& Co would undertake
to deliver a shed
of the description
required at
Interim for Rs 6880
and that the tender
of that firm was
the most favorable
one received, the Ch. Engr
~~recommends~~ that the
purchase ~~of the materials~~
~~of the shed from Messrs~~
~~Murray & Co~~ be sanctioned

RW
17.3.91

8/28

T
Have put this
papers connected
with building
a food shed
at Nepalani
SWB
6.4

these appear to be no

---

lately increased the price of old
rails to nearly double the price
cha

papers in the Office regarding
a goods shed at Negapatam.

If you refer to the
estimate for an iron shed
at Tuticorin, the papers
are now in the Press.

CM
6.4.91

Tuticorin I mean –
~~We~~ We have both the
estē here Shall we. ?
to send it up –
O.M.

not been countersig
by the Presidency Po
Offices nor adhe

WH
17.3.91

No. 1173 TN

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Trichinopoly, 11 March 1891
D 12/

From J. W. Martin Esq
Offg. ~~The~~ Superintending Engineer,
6TH CIRCLE.

To
The Chief Engineer,
PUBLIC WORKS DEPARTMENT.

868/29

868/29

ENCLOSURES. 7

1 Estimate Rs 7880
1 do — 8000
1 Site Plan
1 Level section
1 Ground Plan } Drawing
1 Cross section
1 do - do — with detail Drawing.

SIR,

① Adverting to your Memorandum No. 4959.C. dated 1st December 1890 in the matter of preparing a plan and estimate for an iron goods shed at Tuticorin, I have the honor to forward a plan and estimate amounting to Rs 8,000 if H Steel columns are used, or Rs 7,880 if the columns are made of old rails.

2. The cause of the small difference between the two estimates is that the S. I. R Company has lately increased the price of old rails to nearly double the price

cha

charged some years ago. As the saving that would result by using old rails instead of H Steel would be very little, I recommend that the estimate amounting to Rs 8000 should be sanctioned.

3. In this estimate a lump sum of Rs 7000 is provided for the iron work. The Executive Engineer arrived at this amount by submitting his design to

Messrs Massey & Co. Madras
" Richardson & Cruddas Bombay
" A & J Main & Co. Calcutta
" Walker and Co. Colombo.

All the tenders agree fairly well with the amount Rs 7000 entered in the estimate taking contingencies into account. Consequently I consider the estimate is reliable and I recommend that it should be sanctioned giving permission to the Executive Engineer to obtain the iron work from one of the firms named.

I have the honor to be
Sir
your most obedient servant

L W Martin
Offg: Supdg. Engineer
II Circle

868/30

868/30

PWC No 2925

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,
6th Circle.

To

THE CHIEF ENGINEER,
PUBLIC WORKS DEPARTMENT.

No. 1173 TN

Dated 11
Received 12 } March 1891.

Enclosures. 7.

1.12.90 - 4959 C
6.1.91. 32 C
11.3.91. 1349 C

Submits for sanction plan & estimate Rs 8,000 for constructing an iron goods shed at Tuticorin —

14-3-91

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8 P. 868/31 P.W.D.

Note by the Chief Engineer P.W.D.

The Superintending Engineer IV Circle with his letter No. 1173 T.N, dated 11th March 1891, forwards two alternative estimates for the construction of an iron goods shed at Tuticorin.

~~The~~ One estimate amounting to Rs 8,000 provides for the use of entirely new material. The alternative estimate in which the use of old iron rails for the uprights is proposed amounts to Rs 7,880.

There is but little difference between the amount of the two estimates and seeing that better connections

can be obtained
between the framing
and the roof with
the uprights by the
use of new material,
the Chief Engineer
recommends for
sanction the estimate
amounting to Rs 8,000.

OVB
20.3.91

E.W

D.H
civil works

No 868 W d/ 24 March 1891

PUBLIC WORKS DEPARTMENT.

A/

PROCEEDINGS OF THE MADRAS GOVERNMENT.

868/32

868/32

READ the following

From the Presy Port officer, Madras. No 1056/543 G. d/ 7. xi. 90.
Endt in the Marine deptt. d/ 21. xi. 90.
From the Presy Port officer, Madras. No 1056/601 G. d/ 16. xii. 90
Endt in the Marine deptt. d/ 20. xii. 90.
From the Presy Port officer, Madras. No 1056/72 G. d/ 3. iii. 91.
Endt in the Marine deptt dated 7. iii. 91.
From the S.E. VI Circle No 1173 I.V. d/ 11. iii. 91.
Note by the Chief Engr P.W.D. d/

① ② The estimate amounting to Rs 8,000 for constructing a corrugated iron goods shed at Tuticorin in the Tinnevelly Dt is sanctioned.

Iss 27 March

2. If the iron work required is of European manufacture the

H. vi

the Supdg Engineer will submit for the sanction of Government a formal application for its local purchase.

3. The Financial Deptt will be requested to place a sum of Rs 9,852, as shown in the margin, at the disposal of the P. W. Deptt in April next.

4. The sanction accorded in para 1 of these Proceedings has been registered as Excluded Local Fund W. of 1890-91.

Works	Rs 8,000
Estabt	1,840
Tools & Plant	12
Total	9,852

120

O.W.B.
20.5.91

S 20/5

8/1

S. E. VI Circle
with 8 enclos
Ex P. W. Accts
Marine Deptt
Financial Deptt.

86 8/33

10

3

2925.

Govt. of 18 Madras.

PUBLIC WORKS.

Dated 20/3/91.

Recd.

Encl.

G.O. 24th March 18 91 No. 868 W.

Goods shed

Est. of Rs. 8,000 for Constg. a corrugated iron — at Tuticorin, Tinnevelly District

Sanctioned

33

90/6

JE 25/3

S 25/3

1-10