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B. No. 238 W. 4/26 Jan'y 1887

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Govt. of (1887) Madras.

MARINE.

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Issued

Recd. 26/1/87

Encl.

G.O., 13th January 1887, No. 11.

No. 238 W. 4/26 Jan'y 1887

JANUARY.

Vide C 82.514/87

Harbour Trust Board.

Recording proceedings of a meeting of the —
held on the 9th December 1886.

Sign W. 27/1

2 copies

with order

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper :—

From the Hon. R. W. BARLOW, C.S., Chairman, Harbour Trust Board, Madras,
to the Chief Secretary to Government, dated Madras, 5th November 1886,
No. 1097.

I have the honor to forward herewith, for the information of Government, copy of proceedings of the Harbour Trust Board, at a meeting held at the office of the Harbour Trust Board on the 28th October 1886, the same having been confirmed at the meeting of the trustees held last evening.

ENCLOSURE.

Proceedings of the Madras Harbour Trust Board at a meeting held at the Harbour Trust Board office, on Thursday, the 28th October 1886.

1. Read the minutes and confirmed the proceedings of the last meeting held on the 21st instant.

2. Read G.O., Mis. No. 2861, Judicial Department, intimating that copy of letter from the Chairman, Harbour Trust Board, No. 731, dated 9th October 1886, respecting the police prosecution of Sub-Engineer Dumphy and Driver Loveday has been referred to the Commissioner of Police for remarks; and stating that Government await copies of the Magistrate's judgments and connecting papers.

Recorded.

3. Read Magistrate's record and judgment in the case of—

The Queen-Empress *vs.* George Loveday, Engine Driver, Madras Harbour Works.

Read also Magistrate's record and judgment in the case of—

The Queen-Empress *vs.* B. C. Dumphy, Sub-Engineer, Madras Harbour Works.

Resolved that these documents be forwarded to Government for their information.

4. Read letter from Messrs. Branson and Branson, dated 27th October, recommending that counsel's opinion be taken as to whether the board appeal against the Magistrate's decisions in the above cases.

Resolved that Messrs. Branson and Branson be requested to take counsel's opinion accordingly.

5. Read letter, No. 381 M., dated 25th October 1886, from the Superintendent, Madras Harbour Works, in reference to the future working of the beach portion of the Harbour Works railway.

Recorded; the Superintendent will be informed that the whole matter is under the consideration of the law officers of the board, and that the papers in connection have been submitted to Government.

6. Read letter, No. 382 M., dated 25th October, from the Superintendent, Madras Harbour Works, reporting the arrival per *Chusan* of Mr. Boteler, the newly-appointed head foreman.

Recorded.

7. Read letter, No. 383 M., dated 25th October, from the Superintendent, Madras Harbour Works, intimating that the deputation allowance to Mr. Underdown, late acting head foreman, of Rs. 80 per mensem, sanctioned by the Harbour Trust Board in resolution No. 12, dated 16th September, has been disallowed under the rules of the Public Works Department Code, and requesting that a lump sum of Rs. 160 may be given in lieu.

Sanctioned.

8. Read letter, No. 57, dated 21st October 1886, from the Secretary of the Trustees of Patchiappa Mudaliar's charities stating that the trustees of the charities have no objection to the Harbour Board having the right to extend the lease of their office premises, on the present terms after the expiry of current period, for another three years.

Approved and recorded. The Secretary, Harbour Trust Board, will take steps to have the lease drawn out and executed.

9. Read letter, dated 22nd October 1886, from the Agent of the Oriental Telephone Company, Limited, respecting telephonic connection with central exchange.

Resolved that the board are not prepared to pay more than Rs. 300 per annum for the service named, excluding the connection between the Secretary's office and the office of the Superintendent, Madras Harbour Works.

10. Read letter, No. 371 M., dated 20th October 1886, from the Superintendent, Madras Harbour Works, in reply to the Secretary's letter, No. 841, of 18th October, directing his attention to the opinion expressed by Mr. Parkes, in his minute of 25th February 1879, that the accretions of sand to the north of the harbour should be secured after each north-east monsoon.

Read also letter, No. 377 M., dated 21st October, from the Superintendent, Madras Harbour Works, stating that the matter had been referred to Mr. Parkes by wire, who had requested that the latest particulars might be forwarded to him, to enable him to decide whether the revetment should be extended or not.

Resolved that the board await the result of the reference to the Engineer-in-Chief of the Madras Harbour Works.

11. Read letter, dated 20th October 1886, from P. Rungiah Naidu to Captain Taylor regarding the advertisement inserted by the Secretary, Harbour Trust Board, in the local newspapers for cooly contractors.

Read also memorandum on the subject by Captain Taylor and memorandum by the Secretary, Harbour Trust Board, and minutes in reference thereto by M.R.Ry. A. Dhanacoty Mudaliar and Mr. R. G. Orr.

Recorded.

12. Read letter, dated 27th October 1886, from A. Sashachellam addressed to Captain Taylor with reference to his bills for mango planks and sundry other supplies to the pier.

Read also memorandum by the Secretary, Harbour Trust Board, dated 10th September, and remarks thereon by the chairman, and minutes on the subject by Mr. King, Mr. Orr, and M.R.Ry. S. Venkatakrishnamah Chetty Gáru.

Resolved that the amount offered by the Secretary be tendered to the contractor through the board's solicitors.

13. Read memorandum from Traffic Manager, No. 1043, dated 25th October 1886, reporting that a case of sulphuric acid marked MC within a diamond, No. 50, ex *Navarino* had ignited in the outer yard of the new combustible shed on the 24th instant.

Read also letter, No. 219, dated 25th October 1886, from the Deputy Commissioner of Police reporting the same occurrence.

Recorded.

14. Read three tenders for carrying out the proposed alterations to the combustible shed.

Resolved that Major D. McNeil Campbell be invited kindly to examine the same, and advise the board as to which should be accepted.

15. Read G.O., No. 2738 W., dated 18th October 1886, communicating letter from the Government of India, Public Works Department (Civil Works—Miscellaneous), to the Secretary to Government of Madras, Public Works Department, dated Simla, 8th October 1886, No. 242 M., declining to sanction the increase of pay granted to Mr. F. N. Thorowgood, Superintendent, Madras Harbour Works, being made retrospective from 1st December 1885, as it is against rule.

Recorded. The board much regret that the Government of India decline to sanction the retrospective effect of the increased salary granted to Mr. Thorowgood.

16. Read G.O., No. 2068, Public, communicating resolution of the Punjab Government respecting the use of illustrated maps in administration and other reports.

Recorded.

17. Read G.O., No. 1063, Financial, communicating despatch from the Secretary of State for India, dated London, 16th September, No. 10, Financial, sanctioning compliance with indents for various stores.

Recorded.

18. Read G.O., No. 935, Financial, authorising the Accountant-General to pass, provisionally only, the pay of officers who have attained the age of 55 years, pending orders from Government when service beyond the prescribed limits has not been specifically authorised.

Recorded.

19. Read letter, No. 399 X, dated 18th October, from the Examiner, Public Works Accounts, forwarding two complete sets of Harbour Works Accounts.
Resolved that the accounts be recirculated for further examination and consideration.

ORDER—dated 15th November 1886, No. 627, Marine.

Recorded.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.
" Port Officer, Madras.
" Public Works Department.

Exd. T. O'Connor.

Gobt. of (1886) Madras.

MARINE.

Issued

Recd.

Encl.

G.O., 15th November 1886, No. 627.

No 314 SW a/26 4 Dec 1886

NOVEMBER.

Harbour Trust Board.

Recording letter from the chairman forwarding copy of proceedings of the — at a meeting held on the 28th October 1886.

Recorded
J. D. A.

22ND NOVEMBER 1886, No. 649, MARINE.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper:—

From the Hon. R. W. BARLOW, C.S., Chairman, Harbour Trust Board, to the Chief Secretary to Government, dated Madras, 12th November 1886, No. 1125.

I have the honor to forward herewith, for the information of Government, copy of Proceedings of the Harbour Trust Board at a meeting held at the office of the Harbour Trust Board on the 4th November 1886, the same having been confirmed at the meeting of the trustees held last evening.

ENCLOSURE.

PROCEEDINGS of the Madras Harbour Trust Board at a meeting held at the Harbour Trust Board Office on Thursday, the 4th November 1886.

In the absence of the chairman, Lieutenant J. H. Taylor, R. N. R., was elected to preside over the meeting.

1. The minutes of last meeting, having been circulated to, and approved by, each member of the board, were taken as read and the proceedings were confirmed.

2. Read letter, No. 884, dated 23rd September 1886, from Traffic Manager, Harbour Trust Board, reporting upon the condition of Carlton House.

Read also memorandum, No. 1013, dated 29th October 1886, from Secretary, Harbour Trust Board, circulating the above report and enclosing estimate for repairs.

Resolved that no repairs be undertaken, except such as are urgently needed, until after the monsoon.

3. Read letter from Messrs. Massey and Co., dated 8th October 1886, forwarding plan shewing proposed method of repairing cross tie bars to pier and enclosing estimate in detail for the work.

Read also letter from Messrs. Massey and Co., dated 2nd November 1886, requesting permission to alter one item in the above estimate; and letter, dated 2nd November 1886, forwarding plan shewing proposed method of repairing longitudinal tie rods of pier, and enclosing estimate in detail.

Examined and discussed the plans annexed.

Resolved that Major D. McNeil Campbell be invited kindly to advise the board in reference to these plans and estimates.

4. Read letter from Superintendent, Madras Harbour Works, No. 398 M., dated 2nd November 1886, regarding the working of the South Indian Beach Railway and Harbour Works line.

Resolved that the board await receipt of counsel's opinion.

5. Read letter, No. 396, dated 1st November 1886, from Superintendent, Madras Harbour Works, in reference to G.O., No. 2738 W., dated 18th October 1886, communicating the decision of the Government of India, declining to sanction the increased rate of pay granted to Mr. Thorowgood, by the Harbour Trust Board, from 1st June, having retrospective effect from 1st December 1885.

Ordered to lie over for further consideration.

6. Read G.O., No. 2836 W., dated 29th October 1886, communicating statement of payments made in England on account of Madras Harbour Works for stores and freight and of invoices despatched to India during the month of September 1886.

Recorded.

7. Read letter from P. Ramanjulu Naidu and Sons, pier contractors, notifying their willingness to tender for the supply of coolies for the Pier, Beach and Custom House.

Recorded.

8. Read memorandum from Secretary, Harbour Trust Board, in connection with the proposed alteration in the arrangement with regard to cooly-contractors.

Read also minute on the subject by Mr. Orr.

Resolved that the board await further information.

9. Read letter from Deputy Commissioner of Police, dated 30th October 1886, No. 222, regarding the proposed site for shed to accommodate Marine Police boatmen, intimating that the present shed would be moved in compliance with the wishes of the board.

10. Read report, dated 25th October 1886, from Preventive Officer in charge, Cassimode timber depôt, respecting the watching peons, complaining of the difficulty he had to make them keep a strict watch at night.

Read also minutes on the subject by the chairman and Mr. King.

Resolved that the Secretary deal with the matter, and arrange for the construction of a new shed, reporting the cost when completed.

11. Read letter, No. 402, dated 4th November 1886, from Superintendent, Madras Harbour Works, forwarding travelling allowance bill for October 1886.

Sanctioned.

12. Read letter, No. 962, dated 3rd September 1886, from Secretary and Treasurer, Bank of Madras, forwarding safe-custody receipt, dated 2nd November 1886, No. 87—304, for Rupees one lakh of four per cent. Government paper.

Recorded.

13. Read order, No. 34, dated 1st November 1886, addressed by Secretary, Harbour Trust Board, to Traffic Manager and Preventive officers, giving instructions as to their duties in the event of a cyclone, and letter, No. 1056, dated 1st November 1886, to the Traffic Manager and his deputy, giving more detailed directions.

Read also letter, No. 1070, dated 3rd November 1886, addressed on the same subject to the Port Officer, and his reply thereto, No. 10423, dated 4th November 1886.

Resolved that the Secretary's proposals for rendering assistance to the Port Officer in the event of a cyclone be approved; but that care be taken in no way to infringe the existing Cyclone Code Regulations.

ORDER—dated 22nd November 1886, No. 649, Marine.

Recorded.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.

„ Port Officer, Madras.

„ Public Works Department.

Order thereon no: 3195 h d/3-12-86.

Govt. of (1886) Madras.

MARINE.

Recorded

Sig! M.L.B.
3/12

Sig! S. Anelis

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Encl.

G.O., 22nd November 1886, No. 649.

NOVEMBER.

Harbour Trust Board.

Recording letter from the Chairman forwarding copy of Proceedings of the — at a meeting held on the 4th November 1886.

20TH NOVEMBER 1886, No. 3078 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following paper:—

Extract of letter from the Government of India, Public Works Department, to the Accountant-General, Public Works Department, dated 23rd October 1886, No. 65 A.C.W.

Para. 1. In reply to your docket, No. 668 G., dated 29th July 1886, forwarding, for orders, a letter, No. 46 A., of 10th July, from the Examiner of Accounts, Madras, to your address, I am directed to inform you that the Madras Harbour Trust is not subject to the rules quoted in the Examiner's letter regarding the purchase of stores.

* * * * *

Endorsement on the above.

No. 196 A.

Copy of paragraph 1 of Government of India letter, No. 65, dated 23rd October 1886, forwarded to the Secretary to Government, Public Works Department, for information, with reference to paragraph 2 of that officer's office-note No. 299 D., dated 25th June 1886.

17th November 1886.

(Signed) D. C. GORDON,
Examiner, Public Works Accounts.

ORDER—dated 20th November 1886, No. 3078 W., Public Works.

Communicated to the Chairman, Harbour Trust Board, in continuation of paragraph 2 of G.O., No. 1794 W., dated 15th July 1886.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chairman, Harbour Trust Board.
„ Examiner, Public Works Accounts.

Exd. P. L. Pereira.
Spare Copies

GENERAL.
ACCOUNT.

Gobt. of 1886 Madras.

PUBLIC WORKS.

Dated November, 20th.

Recd.

Encl.

G.O., 20th Nov. 1886, No. 3078 W.

NOVEMBER.

Madras Harbour Works

The intimation received by the Examiner, Public Works Accounts, from the Accountant-General, Public Works Department, that the Madras Harbour Trust is not subject to the rules relating to the purchase of European stores in the local market, communicated to the Chairman.

23RD NOVEMBER 1886, No. 3099 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following despatch from the Right Honorable the Secretary of State for India, to His Excellency the Right Honorable the Governor in Council, Fort St. George, dated India Office, London, 14th October 1886, No. 5, Public Works :—

I forward, herewith, for your Excellency's information, copy of a report * by

* Dated 7th August 1886.

Mr. Parkes on the progress made in the restoration of the Madras Harbour during the second quarter of 1886, and I take

this opportunity of inquiring what is the position of the officers connected with the Harbour Works who have been or will be transferred from the service of Government to that of the Trust Board under the provisions of the Madras Harbour Trust Act of 1886.

2. Engagements were made by the Secretary of State in Council with the Chief Engineer, Mr. Thorowgood and others, and if these officers and servants have, under clauses 21 and 22 of the Act, been continued in the positions which they held when the Act was passed, they should be made to understand that, subject to the terms of the formal engagements entered into between themselves and Government, the Port Trust Board will, in future, deal directly with them as forming a part of the staff of that Board.

3. Mr. Parkes is in a somewhat different position, as his duties are performed in this country ; but I should be glad to receive your views as to the mode in which his services should, in future, be made use of, and as to whether he should be retained in his appointment under existing procedure, or should receive instructions direct from the Port Trust Board.

ENCLOSURE.

REPORT by W. PARKES, Esq., on the progress made in the restoration of the Madras Harbour, for the quarter ending 30th June 1886 ; dated 23, Abingdon Street, 7th August 1886.

I have the honor to append hereto a plan showing the state of the harbour works on the 30th June, and the progress made in the preceding quarter.

2. For eight weeks during the months of May and June, Mr. Thorowgood, the Superintendent, was absent from Madras, having for some time previously suffered rather severely in health from an unusual amount of exertion and exposure in the exercise of his duties. The works were left in charge of Mr. A. Lee Pogson, the Assistant Superintendent, who, however, was in frequent communication with Mr. Thorowgood at Coonoor, by letter and telegram. Mr. Thorowgood resumed charge on the 1st July. He reports his health as completely reestablished, and also that he was entirely satisfied with Mr. Pogson's conduct of the work during his absence.

3. The quarter ending 30th June has always been an unfavorable one for progress. The sea is almost constantly in a disturbed state during the months of May and June, and this year for the first time the precautionary measure of bringing the cranes in shore was adopted. The two Titans and the wave-breaker crane were hauled in in the last days of April, and the Titans were hauled out in the last days of May, and did as much work in the month of June at both piers as the state of the sea permitted. The wave-breaker crane had not been moved out on the 30th of June.

4. In my last quarterly report, dated 8th May, I was unable to give the exact quantities of rubble base deposited in the preceding quarter ending 31st March. I can now supply the omission—

	TONS.
At the north pier there were deposited on the foreshore to receive the wave-breaker	10,234
Deposited as foundation for the new line of pier, stone from quarries.	14,072
183 fallen blocks blown up	4,941
Making a total of ...	29,247

	TONS.
At the south pier there were deposited on the foreshore to receive the wave-breaker	4,248
Deposited as foundation for the new line of pier, stone from quarries	17,299
66 fallen blocks blown up	1,782
Making a total of ...	23,329

5. In the last quarter ending 30th June, the quantities were—

	TONS.
At the north pier—	
On the foreshore large lumps or boulders to form the core of the wave-breaker	158
Foundation for new line of pier	394
Making a total of ...	522

	TONS.
At the south pier—	
Foreshore to receive the wave-breaker	9,467
Boulders for core of do.	132
Foundations for new line of pier, stone from quarries	35,514
97½ fallen blocks blown up	2,633
Making a total of ...	47,746

6. The above represents a fair amount of work for the quarter, especially when it is considered that during rough weather, which was frequent, the carriage of stone had to be suspended. The above quantity is in addition to upwards of 8,000 tons used in making concrete blocks. Thus the railway arrangements for the transport of stone appear now to be in a fairly satisfactory state.

7. It will be seen from the plan that at both piers the rubble base is now well advanced. About five-eighths of the whole quantity required has now been deposited.

8. The work of building has been more delayed by the rough seas than the deposit of stone. The operation is now going on at a spot where any movement in the water renders diving work peculiarly difficult from the rush of the waves against the old walls and into and out of the space between the old and the new work. It is unfortunate that this difficult spot is the scene of operations during the bad season. In a short period of calm weather, such as we may now expect, this special difficulty will be left behind, and it will not re-appear as the work advances, at least to anything like the same extent, though I anticipate that the neighbourhood of the overthrown blocks will continue to cause some inconvenience throughout the work. The length built in the quarter is 84 feet, and of these 64 were completed in the more favorable month of April.

9. The progress made in the wave-breaker is shown on the plan. It has been formed by the deposit of 192 blocks by the wave-breaker crane in the month of April, after which the crane was run in shore, and it had not been taken out again by the end of June. No reason has been given me for this delay, but I think it likely Mr. Thorowgood is keeping a reserve of well-matured blocks for forming the wave-breaker outside the new work, where it will be more urgently required.

10. At the south pier no building work had been commenced by the 30th June. The Titan had been employed in extending the wave-breaker, and 201 blocks had been deposited at the position shown in red. It was, however, shortly to be turned round to commence the new building, for which a portion of the rubble foundation has been levelled by divers.

11. The portion of the old wall which was thrown down in the cyclone of the 23rd May is shown upon the plan. It will be seen that it formed no part of the work as now intended to be completed. It would have been taken down as the Titan advanced to it on the new line of pier and the blocks used for the wave-breaker. These blocks now lie on the rubble base on which the new wall is to be built, and they will have to be lifted from there by the Titan, but Mr. Thorowgood anticipates no difficulty in doing this, and they will be transferred to the wave-breaker.

12. Mr. Pogson, senior, the Government Astronomer, has kindly sent me the meteorological records of this storm. So far as atmospheric disturbance is concerned it was not a severe one, but it is certain that, like the destructive storm of November 1881, the sea disturbance must have been greater than that due to the local wind, having been probably propagated from some more severe atmospheric disturbance at a distance, which did not reach Madras.

13. The changes of wind followed the regular course caused by a cyclone passing south of Madras, being strongest from N.E. by E. between 4 P.M. and 5 P.M., with a velocity of 24 miles per hour. The greatest force of sea, when the greater part of the wall was overthrown, appears to have been some hours later during the night. In November 1881, the changes of wind followed nearly the same course, being strongest from E.N.E. between 1 A.M. and 2 A.M., with a velocity of 33 miles, but the heaviest sea was some 12 hours previous to this. This shows that there must have been some material difference in the sequence of the phenomena in the two cases. In the more severe atmospheric disturbances experienced in recent years at Madras, the velocity of the wind has been 53 miles in 1872, 49 miles in 1874, and 49 miles in 1884, but this last was from south-west, an off shore wind.

14. It appears, then, that as an atmospheric storm this was a trifling affair, but the fact that a wall was overthrown which had stood in exactly the same state since 1881, is a proof that it was the heaviest sea which had occurred for 4½ years. The storm of November 1881 had left this wall, which formed one-half of the original breakwater, standing, but it had overthrown the sea-wall which formed the other half by undermining its foundation, and then probably its force abated, leaving the harbour wall in its unprotected state to be dealt with by the next heavy sea.

15. It must, however, have been a sea of very considerable force to produce such a result, and that such a sea should be accompanied by so moderate a wind is an additional proof that the relative force of wind is not any measure of the relative force of sea. The two may be contemporaneous results of a common, but more or less remote, original disturbance, but they are acted on by different laws of propagation from their common centre, and have no immediate connection with each other at a distance from that centre.

16. I would now beg to call attention to the effect of the storm on the coast line. It will be seen that, both to the south of the harbour and within the harbour, the sea has encroached on the land. The same has occurred along the line of coast north of the harbour where periodical surveys are made. It may, therefore, be inferred that the storm has had a general erosive effect all along the shore. It may be anticipated that this will be made up by the ordinary action of the surf in fine and moderate weather, and it will be interesting to watch the progress.

17. It appears from the record which we have now for ten years of the annual advance of the coast line south of the harbour, and which is shown on the plan accompanying my last quarterly report, that the annual advance has not been affected to any important extent by such exceptional seas as have occurred in that period. The annual advance has been fairly regular. But this is the first occasion on which we have a good record of the immediate effect of a heavy sea in producing erosion. It is of interest as showing what margin must be allowed for such temporary disturbances in utilising the area of land reclaimed to the south of the harbour, and it is satisfactory to find that such an erosion as the present would not have passed the limit which I had allowed in the proposal I made in 1884 for the construction of a boat harbour.

18. I must again ask to be allowed to defer any statement of the cost of the works until the account of expenditure is made out in a form comparable with the estimate.

ORDER—dated 23rd November 1886, No. 3099 W., Public Works.

Communicated to the Chairman, Madras Harbour Trust Board.

2. The Secretary of State will be informed that it has already been declared* that the control of the staff of the Madras

* G.O., No. 378, dated 12th July 1886, Marine. Harbour Works vests in the Trust Board under Chapter III of Madras Act No. II of 1886. Paragraph 2 of the Secretary of State's despatch should now be communicated by the Board to those concerned.

3. The views of the Harbour Trust Board on the subject of paragraph 3 of the despatch are invited.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chairman, Madras Harbour Trust Board.
„ Marine Department.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated November, 23rd.

Recd.

Encl.

G.O., 23rd Nov. 1886, No. 3099 W.

NOVEMBER.

Madras Harbour

Despatch from the Secretary of State forwarding copy of a report by Mr. Parkes on the progress in the restoration of the —, during the second quarter of 1886, with remarks as to the present position of Mr. Parkes and other members of the staff of the Works, communicated to the Chairman, Harbour Trust Board, with remarks.

30TH DECEMBER 1886, No. 707, MARINE.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper : —

From the Hon. R. W. BARLOW, C.S., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government, dated Madras, 10th December 1886, No. 1487.

I have the honor to forward, for the information of Government, copy of Proceedings of the Harbour Trust Board, at a meeting held at the office of the Harbour Trust Board on the 2nd December 1886, the same having been confirmed at the meeting of the trustees held on 9th instant.

ENCLOSURE.

PROCEEDINGS of the Madras Harbour Trust Board, at a meeting held at the Harbour Trust Board office on Thursday, the 2nd December 1886.

1. Read the minutes and confirmed the proceedings of the last meeting held on the 25th November 1886.

2. Read G.O., No. 3099 W., Public Works, dated 23rd November 1886, communicating despatch from the Secretary of State for India forwarding report on the progress of the Madras Harbour Works during the second quarter of 1886, with remarks on the present position of Mr. Parkes and other members of the staff of the works, and requesting the opinion of the board in reference thereto.

The trustees are of opinion that should Government consider it necessary to retain Mr. Parkes, on the permanent staff of the reconstruction works, as Engineer-in-Chief, he should receive his instructions direct from the board; but they are also of opinion that his services might be more economically availed of, if required, as a Consulting Engineer merely, should the board at any time desire to refer to him for a professional opinion.

3. Read letter from the Port Officer, No. 11112, dated 25th November 1886, forwarding extract from the pier cooly contractor's agreement in reference to the supply of tarpaulins, for the protection of Government stores.

Read also minutes on the subject by Messrs. Cowasjee Eduljee, W. J. Eales, George King, S. Venkatakrishna Chetty, R. G. Orr, V. Mahomed Sheriff Sahib, Captain Baddeley, R.E., Captain Taylor, and the Chairman.

Resolved that, in any future contract, arrangements should be made for the supply of tarpaulins by the contractor.

4. Read G.O., No. 3078 W., Public Works, dated 20th November 1883, communicating extract of letter from the Government of India, Public Works Department, to the Accountant-General, Public Works Department, dated 23rd October 1886, No. 65-A, C. W., stating, in reply to docket No. 668-G, dated 29th July 1886, that the Madras Harbour Trust is not subject to the rules quoted in the letter of Examiner of Public Works Accounts, No. 46-A, dated 10th July, regarding the local purchase of stores of European manufacture.

Recorded.

5. Read G.O., Marine, No. 627, dated 15th November 1886, recording Proceedings of Harbour Trust Board at a meeting held on the 28th October 1886.

Read also G.O., Marine, No. 649, dated 22nd November 1886, recording Proceedings of a meeting of the Harbour Trust Board, held on the 4th November 1886.

Recorded.

6. Read draft agreement, received from Messrs. Branson and Branson, embodying terms of lease of the Harbour Trust Board office premises from the Trustees of Patchiappah Moodaliar's Charities.

Read also minute on the subject by the chairman.

Approved with the alteration suggested in the chairman's minute.

7. Read letter, dated 25th November, from Messrs. Branson and Branson, in reference to the sum of Rs. 1,161-0-6 paid to A. Sashachellam Rajoo for mango wood and other supplies to the pier.

Read also copies of letters, dated 16th and 25th November 1886, from A. Sashachellam, to Messrs. Branson and Branson, on the subject.

Recorded.

8. Read letter from Bhoji Lall and Co., dated 16th November 1886, requesting that they might be informed when tenders should be sent in for the supply of coolies for the pier and custom-house yards.

Resolved that the chairman be invited to prepare a form of contract to take effect from 1st February next, and that tenders be opened on the 20th January 1887.

9. Examined safe custody receipts from Madras Bank, No. 87-249 and No. 87-247, dated 9th October 1886, No. 87-304, dated 2nd November 1886, No. 87-342 and No. 87-344, dated 20th November 1886, and No. 87-376, dated 1st December 1886, for Government promissory notes for (4) four lakhs of 4 per cent. loans and (1½) one and half lakhs of 4½ per cent. paper.

Examined also pass-book of the Bank of Madras in account with "the Chairman of the Harbour Trust Board for the time being," showing balance at credit, Rs. 1,07,993-8-5.

Resolved that an additional sum of Rs. 50,000 be invested in 4½ per cent. Government promissory notes.

10. Read letter, No. 453 M., dated 1st December 1886, from Superintendent, Madras Harbour Works, forwarding copy of letter, No. 1174, of same date, from the Secretary and Treasurer, Bank of Madras, declining to receive Rs. 302-7-5 on account of family remittance of Mr. Boteler, Head Foreman, Madras Harbour Works, to credit of Government without the usual authority.

Resolved that Mr. Thorowgood be authorised to forward to England direct by Bank bills Mr. Boteler's family remittances, and refund of the cost of his second-class passage to Madras paid by the Engineer-in-Chief, debiting the difference between the Government rate and current rate of exchange, if any, to contingencies.

ORDER—dated 30th December 1886, No. 707, Marine.

Recorded.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.

„ Port Officer, Madras.

„ Public Works Department.

Exd. T. O'Connor.

Gobt. of (1886) Madras.

MARINE.

Issued

Recd.

Encl.

G.O., 30th December 1886, No. 707.

Recorded.
DECEMBER.

Harbour Trust Board.

Recording chairman's letter forwarding proceedings of a meeting of the — held on the 2nd December 1886.

13TH JANUARY 1887, No. 11, MARINE.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

READ—the following paper:—

From the Hon. R. W. BARLOW, C.S., Chairman, Harbour Trust Board, Madras, to the Chief Secretary to Government, dated Madras, 17th December 1886, No. 1563.

I have the honor to forward, for the information of Government, copy of proceedings of the Harbour Trust Board at a meeting held at the office of the Harbour Trust Board on the 9th December 1886, the same having been confirmed at the meeting of the trustees held on 16th December 1886.

ENCLOSURE.

PROCEEDINGS of the Madras Harbour Trust Board at a meeting held at the Harbour Trust Board Office, on Thursday the 9th December 1886.

Read the minutes and confirmed the Proceedings of the last meeting held on the 2nd December 1886. Mr. R. G. Orr signified his intention of sending in a minute of dissent from Resolution No. 2.

2. Read notice prepared by the chairman in accordance with Resolution No. 8 of last meeting, inviting tenders for the supply of cooly-labor, for landing and shipping goods at or from the Madras pier, jetties or beach, and for removing the same to or from the Custom House, or other sheds or enclosures.

Approved, and resolved that the term be three years, commencing from the 1st March 1887, and that the deposit to be made by the successful tenderer be Rs. (5,000) five thousand.

3. Read draft of agreement for the above cooly contract, prepared by the Secretary, Harbour Trust Board, under instructions from the chairman.

Approved, and resolved that it be submitted to the Solicitors to the board for their consideration and advice as to whether any alterations, omissions or additions are desirable.

4. Read copy of a letter from the Deputy Collector of Madras, No. 1209, addressed to the Collector, and forwarded by him for the information of the board in reference to G.O., No. 601, dated 28th October 1886, with regard to an application for a site upon the land formed by the accretion of sand to the south of the southern groyne of the harbour.

Read again, also, Circular No. 3598, dated 25th October 1886, from the Quartermaster-General, Eastern District, enclosing extract of a letter, No. 3267-B, dated Ootacamund, 20th October 1886, from Brigadier-General E. Faunce, addressed to the Officer Commanding the Eastern District, regarding a proposal to construct a rifle range to the south of the Madras Harbour.

Resolved, unanimously, that the Collector of Madras and the Quartermaster-General be informed that the board will imperatively require the sites in question for harbour improvements, and attach great importance to the reservation of the ground to the south of the southern groyne for that purpose.

5. Read letter from the Examiner, Public Works Accounts, No. 489-X, dated 29th November 1886, forwarding statement comparing actual expenditure on the harbour works to the end of September 1886, with the sanctioned estimates.

Recorded.

6. Read letter from Mr. A. Brown of Tellicherry, dated 30th November 1886, requesting that he might be allowed annas four per cubic foot extra for the aynee wood-beams intended for the repairs of the Madras pier.

Read also letter from Mr. Brown, dated 8th December 1886, and examined sample of timber No. viii on his list, which he proposed to substitute, in part, for aynee beams and planking.

Read, in connection with the above letters, notes by Mr. George Anderson, M.I.C.E., on both timbers, dated Camp Lackidy, South Wynaad, 12th December 1885, and examined samples.

Resolved that the partial substitution of No. viii timber on Mr. Brown's list for aynee beams and planks, is approved, provided that such be sound throughout and fully up to sample in every way, and that it be supplied at the same price as already agreed for aynee, which rate the board decline to enhance.

7. Read Proceedings of Madras Government, No. 3152 W., Public Works, dated 29th November 1886, stating that sanction of Government is not needed with regard to the purchase of flannel for the use of the Harbour Works divers.

Recorded.

8. Read letter from Captain W. L. C. Baddeley, R.E., No. 4225, dated 30th November 1886, in reference to protective works to the north of the harbour, and suggesting that plans and estimates be prepared.

Resolved that Mr. Thorowgood be requested to prepare plans and estimates for such protective works as he considers necessary.

9. Read letter from Messrs. Wilson and King, Solicitors, addressed to the Chairman, Harbour Trust Board, on behalf of Messrs. Hajee Allaruckhia Sajan and Co., requesting that steps may be taken to rebuild the wall of their clients' premises, repair the road, and to protect the property against future damage.

Read also endorsement order, No. 4320-C, dated 4th December 1886, and letter forwarded therewith, from the Agent and Manager, Madras Railway Company, No. 818, dated 27th November 1886, detailing the effect of the late cyclone on the beach road opposite the Ráyapuram Terminus and General Stores, and requesting that steps may be taken to protect the foreshore opposite the railway premises.

The board are not prepared to, in any way, accept responsibility for damage caused by a cyclone, or rough weather, but the Agent and Manager, Madras Railway Company, and Messrs. Wilson and King, will be informed that they are taking measures to protect the foreshore against erosion caused by the current flowing round the north groyne of the harbour.

10. Read G.O., No. 3072 W., Public Works, dated 19th November 1886, recording, with remarks, progress report of the Madras Harbour Works for October 1886.

Recorded. The special report asked for by Government, as to the effects of the late cyclone, has been anticipated by the Superintendent, Madras Harbour Works, in his progress report for November 1886, and this will be submitted, for the information of Government, at any early date.

11. Read endorsement No. 2346, dated 6th December 1886, from the Collector of Sea Customs, forwarding copy of a letter, No. 765, dated 4th December 1886, from the Assistant Superintendent of Telegraphs, and his reply thereto, regarding telegraphic communication passing underground along the beach road between the batteries, and also copy of a resolution of the board, No. 8, dated 23rd September 1886, on the subject.

Recorded. The trustees concur with the Collector of Sea Customs, and have no objection to the communication being carried under the line of rails leading from the pier, provided that traffic therefrom is not delayed.

12. Read endorsement order No. 3213 W., dated 4th December 1886, from the Secretary to Government, Public Works Department, communicating statement of payments made in England during the month of October 1886.

Recorded.

13. Read letter from the Consulting Engineer for Railways, Madras, No. 1494, dated 6th December 1886, notifying the intention to run a special train conveying His Excellency the Viceroy to the iron pier, over some portion of the harbour line, and requesting the board's sanction.

The board have much pleasure in placing the Harbour Works line at the disposal of His Excellency the Viceroy.

14. Read letter from the Port Officer, No. 11432, dated 6th December 1886, requesting that the new quarters for the accommodation of the pilots may be immediately placed at his disposal. Resolved that the chairman be invited to address Government on the subject.

15. Read letter from the Superintendent, Madras Harbour Works, No. 463 M., dated 4th December 1886, recommending leave for four months to Mr. Underdown, Foreman Diver of the Madras Harbour Works.

Resolved that Mr. Underdown be granted three months' leave on full pay and one month's extension without pay.

16. Read letter from the Agent, South Indian Railway, Trichinopoly, No. 2424, dated 29th November 1886, forwarding two copies of the time table for the running of a special train over the South Indian Railway for the accommodation of His Excellency the Viceroy.

Recorded.

17. Read report from the Deputy Traffic Manager, dated 30th November 1886, regarding the proposed leading lights out of the harbour.

Resolved that the Port Officer be requested kindly to favor the board with his remarks on the subject.

18. Read letter from Mr. T. Hindmarsh, dated 4th December 1886, forwarding price list of gas works for gas beacons buoys, lighthouses, and transport holders, &c.

Recorded with thanks, the time has not yet arrived to adopt any such arrangement.

ORDER—dated 13th January 1887, No. 11, Marine.

Recorded.

(True Extract.)

H. E. STOKES,
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.

„ Port Officer, Madras.

„ Public Works Department.

„ Military Department.

Govt. of (1887) Madras.

MARINE.

Issued

Recd.

Encl.

G.O., 13th January 1887, No. 11.

No. 238 W.d/26 Jan 1887

JANUARY.

Recorded.

(sd) W. L. C. B.
D. W.

Harbour Trust Board.

Recording proceedings of a meeting of the —
held on the 9th December 1886.

13TH JANUARY 1887, No. 11, MARINE.

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

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ENCLOSURE.

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Approved, and resolved that the term be three years, commencing from the 1st March 1887, and that the deposit to be made by the successful tenderer be Rs. (5,000) five thousand.

3. Read draft of agreement for the above cooly contract, prepared by the Secretary, Harbour Trust Board, under instructions from the chairman.

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Recorded.

(True Extract.)

J. P. Hooker
Ag. Chief Secretary.

To the Chairman, Harbour Trust Board.

" Port Officer, Madras.
" Public Works Department.
" Military Department.

Exd. T. O'Connor.

13. P. C.