Archives I 10,006—16-8 77.

(1) Number of pages 30

(2) Date of repair 11. 3. 87

(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

PUBLIC WORKS DEPARTMENT

G.O. No. 708 W

~~B.P. No.~~

Press.

~~Mis.~~

Dated 17. 3. 1882 ~~197~~.

Not to be folded or roughly handled

708/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

17th March 1882, No. 708 W.

Buildings and Roads.
Civil Works.

Read the following papers :—

No. 125.

No. 56.

Report to accompany Estimate for repairing the sea-wall and constructing groyne to protect the Beach at Beypore.

THE correspondence and orders in G.O., No. 2722 W., dated 26th November 1880, and No. 495 W., dated 23rd February 1881, will show that it is considered that the sea-wall built from the main land at Beypore to the rocky island at the recommendation of Mr. Robertson should be maintained.

One Sketch of Beach.
" Survey of Sea-wall.
" Sheet of Cross Section.
Two detailed Estimates.
" Reports with Specifications.
One Abstract.

Last year in G.O., No. 495, dated 23rd February 1881, Rs. 1,110 were sanctioned for these repairs, the work was carried out; but in the month of June unusual weather occurred and the wall was much injured and breached in places. This action went on in subsequent months. Besides this the Local Fund road south of the wall which adjoins the railroad property was washed away. The estimate now forwarded, amounting to Rs. 5,340, provides for the thorough repair of the sea-wall at a cost of Rs. 3,470 and for the erection of a groyne of 70 feet in length ordered by the Chief Engineer on his inspection on the 19th January 1882; this groyne is intended for the protection of the sea beach to the west of the railroad property, the cost of this will be Rs. 1,870.

These works ought to be completed by the 15th May, and to enable this to be done orders have been given for the collection of materials, to meet this a grant of Rs. 2,000 will be required this year, and next official year a grant of Rs. 3,340, the balance of the estimate.

(Signed) H. R. MEAD, Major R.E.,
Superintending Engineer, Fourth Circle.

COIMBATORE,
7th February 1882.

To the Chief Engineer, Public Works Department.

No. 433 C.

FORWARDED to the Marine Department for the approval and countersignature of the Master Attendant to the estimates, &c.

(Signed) R. H. SANKEY, Col., R.E.,
Secy. to Govt., P.W.D.

17th February 1882.

No. 127.

FORWARDED to the Master Attendant.

(Signed) R. DAVIDSON,
Chief Secretary.

23rd February 1882.

No. 125-A. Endorsement of the Chief Secretary to Government, Marine Department, dated 10th March 1882, No. 74, Routine.

From J. H. TAYLOR, Esq., Lieutenant, R.N.R., Master Attendant, Administrative Department, to the Chief Secretary to Government, Marine Department, dated Madras, 7th March 1882, No. 1850.

I HAVE the honor to return the plan and estimate for repairs to Beypore, with the remark that I cannot consider that any portion of the work is debitable to Port Fund, except the trifling restoration of the sea-wall near the beach, which can, I imagine, be easily effected by removing the surplus stone from that portion of the wall nearest the rocky islet, and supplementing the remainder, if necessary, with some of the rock from the islet itself. I do not consider that the real benefit of this sea-wall has ever been established. The bar of Beypore is not, so far as I can observe, lower or the entrance more regular than it used to be. The impression on my mind, after visiting the spot with the Chief Engineer, was that a little readjustment of the materials of the wall was all that we considered necessary so far as the Port Fund was concerned. I cannot imagine any action, such as is described on the south beach opposite the Railway buildings and the camp road, being attributable to the sea-wall, which surely must have had a protective tendency. When the last erosion, which it was sought to throw the expense of on Port Funds, took place, it was on the flagstaff or north side of the wall. If therefore the wall is a source of serious detriment and expense to the neighbourhood, and cannot show any adequate advantage to the port in improving the bar, I would respectfully recommend its being removed.

FORWARDED to the Public Works Department.

(Signed) R. DAVIDSON,
Chief Secretary.

Note by the Chief Engineer.

IN last January I visited Beypore and examined the erosions which are the subject of the annexed correspondence in company with the Superintending and Executive Engineers.

The result of the instructions then given is the accompanying estimate, the items of which are—

	RS.
(1.) Repairing the sea-wall between the shore and the rocky island ...	3,470
(2.) Constructing a groyne, 70 feet long, south of the above	1,870
Total ...	5,340

Captain Taylor, in his letter No. 1850 of the 7th instant, questions the utility of the sea-wall, cannot see the connection between its being breached and the erosions of the shore south, and considers that Port Funds should not be called on to pay for any work.

To this it must be said that the sea-wall connecting the shore with the rocky island was constructed under the advice given by Mr. Robertson after visiting the place.

Captain Taylor thinks that the real benefit of the sea-wall has never been established. I am however certainly inclined to think that as, in the *first* place, such scour as is produced by the river in monsoon floods is by its means concentrated in the bar, and as, in the *second* place, sand travelling from south to north in the usual way is thereby arrested, the sea-wall ought to do good. Whether as a fact it has done so or not I am not in a position to prove. I should certainly advise its being repaired as now estimated for, till by constant observation we are in a better position to form a definite opinion. To leave it in its present state will only invite its general destruction.

Admitting that there may be some doubt on the subject, I think if the work be sanctioned the Port Funds should bear at least a moiety of the cost, viz., Rs. 1,735.

As regards the groyne south, I considered it essential, judging from the very serious erosions that had taken place along the whole length of shore, which if allowed to go on unchecked may in time cut back into, and endanger the property of, the Railway.

If the work prove successful in arresting further erosion in its immediate neighbourhood, other groynes of the same character will in all probability be needed.

I would strongly advise this being gone on with without delay.

Properly speaking these works are carried out more in the joint interest of the Local Fund Road and the Railway than in that of Provincial, but in any case they should go on, leaving, if necessary, the final incidence of the charge to be determined hereafter.

(Signed) R. H. SANKEY, Colonel, R.E.,
Chief Engineer, P.W.D.

13th March 1882.

No. 126. ORDER THEREON, 17th March 1882, No. 708 W.

THE estimate, amounting to Rs. 5,340, for repairing the sea-wall and constructing a groyne to protect the beach at Beypore, is sanctioned.

2. The Right Honorable the Governor in Council concurs in the views expressed by the Chief Engineer in his note above recorded, and accordingly directs that a moiety (Rs. 1,735) of the cost (Rs. 3,470) of repairing the sea-wall be borne by Port Funds. The balance (Rs. 3,605) of the total estimate (Rs. 5,340) will, for the present, be met from Provincial Funds, but the incidence of the cost (Rs. 1,870) of constructing the groyne will be determined hereafter.

3. The sum of Rs. 2,000 is allotted from the Provincial Reserve of 1881-82 to meet the current year's expenditure. Funds to meet expenditure in 1882-83 will be provided in April as follows :—

To be placed at the disposal of Public Works Department from Port Funds—

	RS.
Works	1,735
Establishment at Rs. 23 per cent.	399
Tools and Plant	43
Total ...	2,177

to be allotted from the Provincial Reserve Rs. 1,605.

4. This sanction has been registered as Excluded Local No. 58 W. of 1881-82, and classified as Miscellaneous Public Improvement, Repairs.

(True Extract.)

Lieut.-Col., R.E.,
Ag. Under Secy. to Govt., P.W.D.

To the Superintending Engineer, Fourth Circle, with eight enclosures.
" Examiner of Public Works Accounts, with duplicate Abstract Estimate.
" Financial Department.
" Marine "
" Consulting Engineer for Railways.

Exd. S. T. Austin.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of (1882) Madras.

PUBLIC WORKS.

To

The SUPERINTENDING ENGINEER,
FOURTH CIRCLE,
&c., &c., &c.

Dated March, 17th.

Issued

Recd. *Encl.*

G.O., 17th March 1882, No. 708 W.

MARCH.
Nos. 125-126.

Beach at Beypore.—Estimate amounting to Rs. 5,340 for repairing the sea-wall and constructing a groyne to protect the — sanctioned with remarks.

No. 56

708
4

Report to accompany estimate for repairing the sea wall and constructing groyne to protect the beach at Beypore.

Enclosures 8.

1 sketch of beach
1 survey of sea wall.
1 sheet of cross section
2 detd. Estimates
2 Reports with specifications
1 Abstract

The correspondence and orders in G.O. No. 2722 W dated 26th November 1880 and No. 495 W dated 23d. February 1881 will shew that it is considered that the Sea wall built from the main land at Beypore to the rocky Island at the recommendation of Mr. Robertson should be maintained.

Last year in G.O. No. 495 dated 23d February 1881 Rs 1110 were sanctioned for these repairs, the work was carried out but in the month of June unusual weather occured and the wall was much injured and breached in places. This action went on in subsequent months. Besides this the Local Fund Road South of the wall which adjoins the railroad property

property was washed away. The estimate now forwarded amounting to Rs 5340 provides for the thorough repair of the Sea wall at a cost of Rs 1752½ and for the erection of a groyne of 70 ft in length ordered by the Chief Engineer on his inspection on the 19th January 1882, this groyne is intended for the protection of the sea beach to the West of the railroad Ry property the cost of this will be Rs 1835.

These works ought to be completed by the 15th May and to enable this to be done orders have been given for the collection of materials to meet this a grant of Rs 2,000 will be required this year and next official year a grant of Rs 3340 the balance of the estimate.

W R [illegible]

Major RE
Supg: Engineer IV circle

Coimbatore
7th February/82.

To.
The Chief Engineer
P. W. Deptt

CURRENT No. 127

No. 433 C of 17 Feby/82

Forwarded to the Marine Department for the approval & counter-signature of the Master Attendant to the estimates &c.

R H Sankey
Col. R.E.
Secy to Govt. P.W.D.

Refer on C No 127 of '82 Marine

Forwarded to the Master Attendant

R Davidson
Chief Secy.

23/2/82

Note—This paper should be returned with reply.

24 FEB 82

Marine 1882 Dept

From

The Supg. Engineer,
Fourth Circle

Dated 7th } Feby. 1882
Despd. 8th }

No. 56

Enc: 3

Sea Wall at Beypore:-

Report to accompany Estimate &c. of Rs. 5340 for repairing the —— and constructing groyne to protect the beach at Beypore.

Forwarded

P. W. DEPARTMENT 1881-82.

~~MEMORANDUM.~~

Current No. 887.

Letter Number 56

dated the 7th February 1882

from the Supg. Engineer ~~N~~ 4th Circle.

Note of Remarks.

The Plans & Estimate with report & specification for Repairing the Sea Wall & Constructing groyne to protect the beach at Beypore, amounts to Rs. 5340.

The Estimate provides for the thorough repair of the Sea Wall at a Cost of Rs 3470 & for the Erection of a groyne of 70 ft. in length, intended for the protection of the sea beach to the West of the railway property, the Cost will be Rs 1870.

An Estimate for Rs 1110 was sanctioned for these repairs last year – the Work was carried out but in the month of June, unusual weather occured & the Wall was much injured & breached in places.

The Rates have been agree with the Ord. Schedule.

Petty Supervision & Contingencies have been charged at 2½ & 5 per cent. (7½ per cent).

The Plans & Estimate do not bear the Countersignature of the Master Attendant.

13th February 1882.

708/9

C. No. 887

P. W. Secretariat.

Note by Budget Section.

Work

Repairing the Sea wall and protecting the shore at Beypore from the action of the Sea.

Remarks and References.

Fund Excluded Local

Service Head Misc. Pub. Impts.	Rs.	
Departmental Head Repairs	...	"
Amount of estimate	... ...	Rs 5340
Expenditure in previous year	... ...	"
Allotment in current year	... ...	"
Balance required to complete	... ...	5340
	Total Rs...	5340

Note of available funds.

The Depty Engineer states that Rs 2000 are required this year and the balance of the Estimate viz Rs 3340 in next Official Year. The Financial Dept should be requested to authorise the Accountant General to place Rs ~~2000~~ 2550* at the disposal of this Dept from Port Funds this year and Rs 4191* in next Official Year. Rupees 1110 have been spent in connection with this work and this amount is not included in the present estimate.

Works	Rs 2000
Estabt @ 25%	500
Tools & Plant	50
	2550
Works	Rs 3340
Estabt @ 23%	768
Tools & Plant	83
	Rs 4191

CH

Budget Clerk. 13/2

Note by Budget Section.

To W.

For orders, with reference to the Master Attendant letter. p

Marine (1882) DEPARTMENT.

From The Supg Engineer
4th Circle

No. 56.

Dated 7th } February 1882
Recd. 9th }

CURRENT No. 127

SUBJECT.

Sea Wall at Beypore.

Report to accompany estimate &ca of Rs 5340 for repairing the — and Constructing groyne to protect the beach at Beypore.

Forwarded

No. 433. C d/ 17 February /82

Forwarded to the Marine Department for the approval and countersignature of the Master Attendant to the estimates &ca.

(Sgd) R. H. Sankey
Col. R.E.
Secy to Govt. P.W.D.

Referred C No. 127 of 82 Marine

Forwarded to the Master Attendant.

(Sgd) R. Davidson
Chief Secy

23/2/82

To
The Master Attendt
with papers in orgl
Despd
24/2

Marine 1881. Deptt

Public Works Department.

(Port of Beypore)

P. D.
20 FEB 82

No. 433.C
Dated 17-2-82
Despatched
Received 20 Feb 82

CURRENT No. 127

SUBJECT.

Forwarding Estimates for repairing the Sea wall at Beypore & Constructing groyne to protect the beach at Beypore.

Enclo: in Marine Deptt No 177 of 82

[illegible]

Administrative Department. 124

No. 1850 CURRENT No. 177 Madras,
Marine Office,
7 March 1882.

708/7

From

J. H. TAYLOR, Esq., Lieut., R.N.R.,
Master Attendant,
Administrative Department,
Madras,

To

The Honorable R. Davidson C.S.I.
Chief Secretary to Government,
Marine Department,
Fort Saint George.

Sir,

I have the honor to return the plan and estimate for repairs to Beypore, with the remark that I cannot consider that any portion of the work is debitable to Port Fund, except the trifling restoration of the sea wall near the beach, which can, I imagine, be easily effected by removing the surplus stone from that portion of the wall nearest the rocky islet, and supplementing the remainder, if necessary, with some of the rock from the Islet itself. I do not consider, that the real benefit of this sea wall has ever been established. The Bar of Beypore

Beypore is not, so far as I can observe, lower or the entrance more regular than it used to be. The impression on my mind, after visiting the spot with the Chief Engineer, was that a little re-adjustment of the materials of the wall was all that we considered necessary so far as the Port Fund was concerned. I cannot imagine any action such as is described on the South beach opposite the Railway buildings and the Camp road being attributable to the sea wall, which surely must have had a protective tendency. When the last erosion, which it was sought to throw the expence of on Port Funds, took place, it was on the Flagstaff or north side of the wall. If therefore the wall is a source of serious detriment and expense to the neighbourhood, and

cannot

cannot shew any adequate advantage to the port in improving the Bar, I would respectfully recommend its being removed.

I have the honor to be
Sir,
Your Most Obedient Servant
H W Taylor
Master Attendant
Administrative Department

Mis. fo 621 – 14–12–80 a the
fo 2722 W – 26–11–80 –
Mis. fo 130 – 9–3–81 a the
fo 495 W – 23–2–81.

P6

Routine

10 March 1882, No 74

Forwarded to the Public Works Department.

R. Davidson
Chief Secy.

10/3/82

2722 W – 26–11–80
495 W – 23–2–81

[illegible] 14 – 153

Marine (1882) Department.
(Sea Wall at Beypore)

From P. W. D. No 1886,

The Master Attendant,
Administrative Department,
Madras,

To

The Chief Secy. to Government,
Marine Department,
Fort St. George.

DISPOSED OF 13 MAR 82
BY G.O. No. 74 (Routine)

No. 1850
E – 11 (3 plans)

Dated 8
Received 9 } March — 1882.

No. ______

CURRENT No. 177

Subject.

Returning Plans, Estimates &c. for repairs to the sea wall at Beypore, with remarks.

Endorsed

Approved

P7

Note by the Chief Engineer

In last January I visited Beypore and examined the erosions which are the subject of the annexed correspondence in company with the Superintending and Executive Engineers – The result of the instructions then given is the accompanying Estimate the items of which are

	Rupees
(1) Repairing the seawall between the shore and the rocky island	3470
(2) Constructing a groyne 70 ft. long South of the above	1860
Total	5330

Captain Taylor in his letter No 1850 of the 7th inst. questions the ~~utility~~ of the sea wall, connect

See the connection between its being made and the erosions of the shore South, and considers that Port funds should not be called on to pay for any work

To this it must be said that the Sea wall connecting the shore with the rocky island was constructed under the advice given by Mr Robertson after visiting the place +

Captain Taylor thinks that the real benefit of the Sea wall has never been established ~~[illegible]~~ ~~[illegible]~~ I am however certainly inclined to think that as in the *first* place such scour as is produced by the river in monsoon floods is by its means concentrated on the bar and as in the *second* place sand travelling

+ Its maintce was advocated by Capt Taylor in 1881

p8

208

from South to North in the usual way is thereby arrested the Sea wall ought to do good

Whether as a fact it has done so or not I am not in a position to prove

I should certainly advise its being repaired as was estimated for, till by constant observation we are in a better position to form a definite opinion

To leave it in its present state will only invite its general destruction

Admitting that there may be some doubt on the subject I think if the work be sanctioned the Port funds should bear at least a moiety of the cost est. Rs 1735

Yes

As regards the groyne South I considered it essential judging from the very serious erosion that had taken place

12

along the whole length of Shore which if allowed to go on unchecked may in time cut back into and endanger the property of the Railway

If the work prove successful in arresting further erosion in its immediate neighbourhood other groynes of the same character will in all probability be needed

I would strongly advise this being gone on with without delay

Properly speaking these works are carried out more in the joint interest of the Local Fund road and the Railway than in that of Provincial — but in any case they should go on leaving if necessary the final incidence of the charge to be determined hereafter

13.3.82

The Hon'ble Huddleston

For orders.

I don't see that Bd. has any direction to be worked. JM

Yes

Buildings & Roads.
Civil works.

PUBLIC WORKS DEPARTMENT.

No. 708 W.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17 March/82

Read the following:—

From the Suptg. Engr. 4th Circle. — A.E. No. 56 d/ 7 February/82

70/12

Endorsement of the Marine Dept, on letter from the Master Attendant, Administrative dept No. 1850 d/ 8 March/82 — A.E. No. 74 d/ 10 March/82

Note by the Chief Engr. " d/ 13 — do.

The estimate amounting to Rs 3,340, for repairing the Sea wall and constructing a groyne to protect the beach at Beypore is sanctioned.

2. The Rt. Hon'ble the Governor in Council concurs in the views expressed by the Chief Engr. in his note above recorded and accordingly directs that a moiety (Rs 1735) of the

cost (Rs 3470) of repairing the sea wall be borne by port funds. The balance (Rs 3605) of the total estimate (Rs 5340) will for the present be met from Provincial funds, but the incidence of the cost (Rs 1870) of constructing the groyne will be determined hereafter.

3. The sum of Rs 2000 is allotted from the Provincial reserve of 1881-82 to meet the current years expenditure. Funds to meet expenditure in 1882-83 will be provided in april as follows—

To be placed at the disposal of P.W.D from Port funds—
Works — 1735
Establishment @ 23 per cent — 399
Tools & Plant — 43
2177

To be allotted from the Provincial Reserve Rs 1605

4. This sanction has been registered as Excluded Local No 58 W of 1881-82 and classified as Miscellaneous Public Improvement, Repairs.

Cu

17.3.82

S.E. 4° Circle ✓
with 8 enclos.
Ex. P.W. Accts ✓
with dupte abst. esti.
Finl. Dept ✓
Marine Dept ✓
Consg. Engr for Rys ✓

P.Cu.

despd 29-3-82 — 14

887.

Govt. of {1882} Madras.

PUBLIC WORKS.

To

Dated 18/3/82

Issued

Recd.

Encl.

Rec-20-3-82

G. O. 17th March 1882, No. 708W.

Nos. 125 to 126

Beach at Beypore.

Estimate Amtg to Rs 5,3
for repairing the sea wa
and constg a groyne
to protect the —.
Sanctd with remar