(1) பக்கங்களின் எண்ணிக்கை 32

(2) புதுக்கித் திருப்பிய நாள் 8/90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

(40)

தமிழ்நாடு அரசு

P. W. D. துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 1138

அச்சகம்
பலவகை

நாள் : 24-4-1891 19

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

16

16 sheets only

ஆவண, கா-1—18,008—15-6-87.

(3)

24TH APRIL 1891, No. 1138 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Captain H. A. STREET, H. M.'s I.M., Presidency Port officer, to the Chief Secretary to Government, dated Madras, 1st October 1890, No. 179/473 G.

With reference to G.O., No. 2453 W., Public Works, dated 13th September 1890, I have the honour to acquaint you, for the information of the Government, that, in June last, Mr. Winckler, the Port officer at Cochin, brought to my notice that considerable erosion of the coast line in the vicinity of Cochin had taken place and that I immediately sent a copy of this letter to the Executive Engineer, West Coast division, for any remarks he might have to offer thereon. No reply has yet been received, but I understand that an officer of the Public Works Department has been deputed to inspect the coast line.

2. I send for perusal Mr. Winckler's letter, which I beg may be returned at your convenience.

ENCLOSURE.

From Captain J. E. WINCKLER, Port officer, Cochin, to the Presidency Port officer, dated 19th June 1890, No. 4/4.

Since my last monthly report I have the honour to state that, owing to the high monsoon winds and seas, the erosion alluded to therein has continued to a very serious extent of the whole sea face from below Mallipuram right down past the southern boundary of the port. In the Rajah's territory scores of huts and cocoanut trees have been washed away, and I would suggest that, if the money sanctioned for the P. groyne is available, the boulders be obtained now, as we will be able to connect the new with the old work which is now quite bare by the recent severe erosion.

2. The western sand bank of the lagoon has also had a good slice washed away. I apprehend no immediate danger to the dam, but would not like to enforce my opinion in the face of that of experts in the Public Works Department, who, if they would now visit the place in its present phase, will be able to arrive at the necessary requirements.

Transferred to the Public Works Department. It is requested that the original enclosure may be returned to the Presidency Port officer when done with.

10th October 1890. (Signed) J. F. PRICE,
Chief Secretary.

No. 4167 C.

Referred to the Superintending Engineer, IV Circle, for early report, with advertence to G.O., No. 2453 W., dated 13th September 1890.

15th October 1890. (Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

From H. B. GRIGG, Esq., C.I.E., Acting Resident in Travancore and Cochin, to the Chief Secretary to Government, dated Cochin, 15th October 1890, No. 160.

In forwarding, herewith, copies of a letter No. 2533 of the 14th instant from the Dewan of Cochin and its enclosure, I have the honour, with reference to G.O., No. 136 S.R., of the 24th September 1890, Political Department, to request that the Superintending Engineer, IV Circle, may be directed to inform Mr. Hudson direct when he intends visiting Cochin.

Enclosures.

From C. THIRUVENKATA CHARIAR, Esq., Dewan of Cochin, to the Resident in Travancore and Cochin, dated Ernakulam, 14th October 1890, No. 2533.

I have the honour to enclose herein copy of letter, No. 1843 of the 11th instant, from the Chief Engineer to this Government and to request you will be good enough to ask the Superintending Engineer, IV Circle, to inform Mr. Hudson direct when he intends visiting Cochin, so that he (Mr. Hudson) may come over and point out the parts of the coast where the erosions occur, as he had personally seen them during the south-west monsoon.

From H. W. HUDSON, Esq., Chief Engineer, to the Dewan of Cochin, dated Trichoor, 11th October 1890, No. 1843.

In acknowledging the receipt of your No. 2497 of the 9th instant, forwarding copies of papers in reference to the erosions along the coast north and south of Cochin, I have the honour to suggest that I should be informed when the Superintending Engineer intends visiting Cochin in order that I may come down and point out where the erosions take place, as the coast line is now very different to what it is during the south-west monsoon.

2. I intend leaving for Nemary, the Nelliampatty hills and Chittoor next week, but will defer my visit if the Superintending Engineer will be at Cochin shortly.

Transferred to the Public Works Department.

20th October 1890.

(Signed) J. F. PRICE,
Chief Secretary.

No. 4296 C.

Forwarded, with reference to G.O., No. 2453 W., dated 13th September 1890, to the Superintending Engineer, IV Circle, who will communicate direct to the Chief Engineer, Cochin, the date of his intended inspection of the coast.

21st October 1890.

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

From Lieut.-Colonel R. R. E. DRAKE-BROCKMAN, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 6th November 1890, No. 354/E.W.

In accordance with G.O., dated 13th September 1890, No. 2453 W., I have the honour to report that I proceeded from Calicut to Cochin on the 23rd ultimo to inspect the erosion of the Cochin and Vypeen foreshores brought to notice by the Port officer and the Chief Engineer, Cochin Government.

2. I was accompanied in my inspection by Captain Winckler, the Port officer, and Mr. Joyce, the Executive Engineer, West Coast division. The latter officer had previously in the month of June last, whilst the erosion was at its worst phase, inspected the spot with the Port officer upon the requisition of the latter, alluded to in the Presidency Port officer's letter, dated 1st October last, which was referred to me by G.O., No. 4167, dated 15th October. Both Mr. Joyce and the Port officer arrived at the conclusion that no remedial measures could then be adopted, but that what was evidently wanted was the rehabilitation of P. groyne, the northernmost and last of the series of groynes. Since then, and at the time of my inspection, the order of things had changed very much for the better, and I found from soundings taken along P. groyne, which is now very nearly submerged at low tide, that, in order to protect the coast at this point and protect the Cruz Milagre embankment, all that is necessary is the reconstruction of this groyne. The groynes immediately south of this groyne are now far within the high spring tide contour, and it is proposed to utilise the materials in groynes O. and N. for bringing up P. groyne to full section and extending its root inshore well above H.S.T. limit. The remainder of the groynes are all in good order and require no alteration.

1138/2

3. In the Vypeen limits, the land belongs to one Palli Taççan, a man of considerable wealth and influence in the Cochin State, and, as accretion forms seaward, I have learnt that he takes advantage of the same to extend his riparian holding and rent the land to squatters for planting up cocoanuts. These of course offer no obstruction to the encroachment of the sea, and, when the latter becomes more than usually aggressive and sweeps away the plantation, naturally a protest and cry for protection arises from the landlord, to which the Chief Engineer of the Cochin State has to lend an ear. If, however, instead of seizing on this foreshore on each occasion it is formed and utilising it for a cocoanut plantation, Palli Taççan were compelled to plant up screw pine, rabbit wort and other protective vegetation, the encroachment of the sea would be met half way and no great loss or danger accrue. The huts referred to in Mr. Hudson's letter are merely temporary cadjan and bamboo erections never intended to have a permanent existence.

4. I enclose a tracing of the coast line showing its condition in previous years. The present condition of things corresponds with that of 1889. The margin is shown at H.T.L.

5. I have ordered the Executive Engineer to take steps for reconstructing P. groyne, which is all that is at present required.

6. My inspection took place on the 24th and 25th October. I only received the G.O., No. 4296, dated 21st October, at Cochin on the latter date after I had made arrangements to leave that place the following morning. I could not, therefore, meet Mr. Hudson, but as both Mr. Joyce and Captain Winckler had seen the erosion at its worst, their evidence, I think, may be considered sufficient to have enabled me to come to a conclusion as to the remedial measures necessary.

Order—dated 24th April 1891, No. 1138 W., Public Works.

The measures adopted by the Superintending Engineer, IV Circle, are approved. No further steps seem necessary.

2. Paragraph 3 of the Superintending Engineer's letter will be considered in the Political Department.

(True Extract.)

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

To the Superintending Engineer, IV Circle.
„ Marine Department, with plan.
„ Political Department.

Exd. A. D Xavier.
Spare Copies.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1891} Madras.
PUBLIC WORKS.

Dated April, 24th.

Recd.

Encl.

G.O., 24th April 1891, No. 1138 W.

APRIL.

Erosion

The measures adopted by the Superintending Engineer, IV Circle, for the protection of the coast near Cochin from — approved with remarks.

Pie a/

No 179/473 G. 1138/3

PRESIDENCY PORT OFFICE,
Madras, 1st October 1890.

C No 873

Heading.
Erosion of the Sea at Cochin.

Print

From

THE PRESIDENCY PORT OFFICER,
MADRAS,

To

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

SIR,

With reference to G. O. No 2453 W. Public Works dated 13th September 1890, I have the honor to acquaint you, for the information of the Government, that, in June last, Mr Winckler, the Port Officer at Cochin, brought to my notice that, considerable erosion of the coast line in the vicinity of Cochin had taken place, and that, I immediately sent a copy of this letter to the Executive Engineer, West Coast Division, for any remarks he might have to offer thereon. No reply has yet been

received

1

received, but I understand that an Officer of the Public Works Department has been deputed to inspect the coast line.

2. I send for perusal Mr. Winckler's letter, which I beg may be returned at your convenience.

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

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

S. P2

No 9761

11138/4

PORT OFFICE
21 JUN 90
MADRAS.

Heading
Cruz Milagre
Gap Works

No. 4/4

Cochin Port Office
19th June 1890

From
J. E. Winckler
Port Officer
Cochin

To
The Presidency Port Officer
Madras

Print

Sir,

Since my last Monthly Report I have the honor to state that owing to the High Monsoon winds and seas the erosion alluded to therein has continued to a very serious extent of the whole sea face from below Mallipoorum right down passed the Southern Boundary of the Port. In the Rajah's territory scores of huts and cocoanut trees have been washed away and I would suggest that if if the money sanctioned for the P. Groyne is available, the boulders be obtained now so we will be able to connect the new with the old work which is now quite bare by the recent severe & erosion.

The Western sand bank of the lagoon has also had a good slice washed away. I apprehend no immediate danger to the Dam but would not like to enforce my opinion in the face of that of experts in the D.P.W, who if they would now visit the place in its present phase will be able to examine at the necessary requirements.

I have

I have the honor to be
Sir,
Your most Obdt Servant

J. S. Winckler
Port Officer

No 179/78 P.W.

Copy forwarded to the Executive Engineer, West Coast Division, for information and for favor of any remarks he may have to offer with respect to the suggestions of the Port Officer, Cochin.

Madras
24 June 1890

Capt. [illegible]
P. P. O

From
The Port Officer
Cochin
To
The Presidency Port
Officer
Madras

Dated. 19th
Recd. 3 June 1890

No 4/4

Erosion -
reporting further
extent of -

SUPG. ENGINEER'S OFFICE
10 OCT. 90
P.W.D.
FOURTH CIRCLE.

3 + 2
~~No 708 - 9/90~~
1071/8/90

In Mar C 872/90

5

1138/6

6

Mat 29-9-90 No 207 R.

(3)

D/10th October 1890 Prcw (3)

Transferred to the Public Works Dept.
It is requested that the original Enclosure may be returned to the Presy: Port Officer when done with.

Chief Secretary

J.D.B.
11.x.90.

SUPG. ENGINEER'S OFFICE
No 39.9
16 OCT. 90
P.W.D.
FOURTH CIRCLE.

(Prcw 4)

No. 4167 C d/15th October 1890

(4)

Referred to the Supdg Engineer IV Circle for early report with advertence to G.O. No. 2453 W dated 13th September 1890

with S.E

Col. R.E.
Secretary to Govt P.W.D.

14.10.90

[illegible] file with S.E.

Marine (1890) Department.

From

THE PRESIDENCY PORT OFFICER,
Madras,

To

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

No. 179/473 G

Dated 1st October 1890.
Received

13 OCT 90
PUBLIC W[illegible] DEP

No.

Subject.

Regarding the considerable erosion of the Coast line at Cochin reported to the Executive Engineer West Coast Division.

Transferred

Prcw (5)

No 951

(5)

No 160 1138/7

Resident's Office,
on circuit
Cochin 15th October 1890

From
H. B. Grigg Esq. C.I.E.
Ag. Resident in Travancore and Cochin,

To
The Honorable J. F. Price
Chief Secretary to Government,
Fort St. George.

Sir,

In forwarding herewith copies of a letter No. 2533 of the 14th Instant from the Dewan of Cochin and its enclosure, I have the honor, with reference to Government Order No. R.136 of the 24th September 1890, Political Department, to request that the Superintending Engineer IV Circle may be directed to inform Mr Hudson direct, when he intends visiting Cochin.

I have the honor to be
Sir
Your most obedt servt.
E. Dawson
Asst Resident for
Ag. Resident

8

1138/8

(Recd 7)

D/ 20 October 1890

Transferred to the P. W. Dept

[illegible]

Chief Secy

20/10

23 OCT 90

No. 951

1890.

Political Department

From

The Resident in Travancore & Cochin

To

The Chief Secretary to Government, Fort St. George

Dated 15 } October 1890
Received 18 }

No. 160

Enclosure. (one)

Recd 8

No. 4296 C d/ 21st Octr/90

Forwarded, with reference to G.O. No. 2453 W dated 13 Sept 1890, to the Supdg Engr IV Circle, who will communicate direct to the Chief Engineer Cochin, the date of his intended inspection of the Coast.

Colonel RE,
Secretary to Govt PWD

Received at Cochin on 25 Oct/90

11

Recd 25.10.90

Forwards copies of a letter and its enclosure from the Dewan of Cochin and requests that the Superintending Engineer may be directed to intimate the date of his visit to Cochin to Mr Hudson direct.

Endorsed

S P - 6

1138/9

Print encl. 6 (14)

No. 1843

Chief Engineer's Office
Trichoor, 11th October 1890

To

C. Tiruvenkata Chariar Esquire
Dewan of Cochin
Ernacollum.

Sir,

In acknowledging the receipt of your No. 2497 of the 9th Instant forwarding Copies of papers in reference to the erosions along the Coast north and south of Cochin — I have the honor to suggest that I should be informed when the Superintending Engineer intends visiting Cochin, in order that I may come down and point out where the erosions take place, as the coast line is now very different to what it is during the S. W. Monsoon.

I intend leaving for Nemmary the Nelliampathy Hills and Chittoor next week but will defer my visit if the Superintending Engineer will be at Cochin shortly.

I have &c.

(Signed) H. W. Hudson
Chief Engineer

(True Copy)
(Signed) C. Thiruvenkata Chariar
Dewan.

4138/10

No 2533

Huzoor Cutcherry
Ernakulam in Cochin
14th October 1890

To

H. B. Grigg Esquire C. I. E
Ag: British Resident in
Travancore and Cochin

Sir,

I have the honor to enclose herein Copy of letter No. 1843 of the 11th Instant from the Chief Engineer to this Government and to request you will be good enough to ask the Superintending Engineer IV Circle, to inform Mr. Hudson direct when he intends visiting Cochin so that he — (Mr. Hudson) may come over and point out the parts of the Coast where the erosions occur as he had personally seen them during the S. W. Monsoon.

I have &c
(Signed) C. Thiruvenka Chariar
Dewan.

(True copies)

E. Dawson
Assistant Resident
for Ag: Resident

B.C. 1/951 of 90

1138/11

№ 354/E.W. Supg. Engineer's office, 4th Circle
Coimbatore, 6th November 1890.

From,

Lt Col. R. R. E. Drake-Brockman, R.E.,
Supg. Engineer, 4th Circle,

To,

The Chief Engineer,
P. W. Department.

Encl: 3
1 Tracing
2 G. O's

Sir,

In accorandance with G.O., dated 13th September 1890, No 2453 W, I have the honor to report that I proceeded from Calicut to Cochin on the 23rd ultimo to inspect the erosion of the Cochin and Vypeen foreshores brought to notice by the Port officer and the Chief Engineer, Cochin Government.

2. I was accompanied in my inspection by Captain Winckler, the Port officer and Mr Joyce, the Executive Engineer, West Coast Division. The latter officer had previously, in the month of June last whilst

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the erosion was at its worst phase, inspected the Spot with the Port officer upon the requisition of the latter, alluded to in the Presidency Port officer's letter, dated 1st October last which was referred to me by G.O. No. 4167 dated 15th October. Both Mr. Joyce and the Port officer ~~then~~ arrived at the conclusion that no remedial measures could then be adopted, but that what was evidently wanted was the rehabilitation of P. Groyne, the northernmost last of the series of groynes. Since then, and at the time of my inspection, the order of things had changed very much for the better, and I found from soundings taken along P. Groyne which is now very nearly submerged at low tide, that in order to protect the Coast at this point and protect the Cruz Milagre embankment, all that is necessary is the reconstruction of this groyne. The groynes immediately

immediately South of this groyne are now far within the High Spring Tide contour, and it is proposed to utilise the materials in Groynes O & N for bringing up P. Groyne to full section and extending its root inshore well above H.S.T. limit. The remainder of the groynes are all in good order and require no alteration.

3. In the Vypeen limits, the land belongs to one Palli Taççan, a man of considerable wealth and influence in the Cochin State, and as accretion forms seaward, I have learnt that he takes advantage of the same to extend his riparian holding, and rent the land to squatters for planting up Cocoanuts. These of course offer no obstruction to the encroachment of the sea, and when the latter becomes more than usually aggressive and sweeps away the plantation

plantation, naturally a protest and cry for protection arises from the landlord to which the Chief Engineer of the Cochin State has to tend an ear. If, however, instead of seizing on this foreshore on each occasion it is formed and utilising it for a cocoanut plantation, Palli Taccan was compelled to plant up screw pine, rabbit work and other protective vegetation, the encroachment of the sea would be met half way and no great loss or danger accrue. The huts referred to in Mr Hudson's letter are merely temporary cadjan and bamboo erections never intended to have a permanent existence.

4. I enclose a tracing of the Coast line showing its condition in previous years. The present condition of things corresponds with that of 1889. The margin is shown at H.T.L.

5. I have ordered the Executive Engineer to take steps for reconstructing P. Groyne, which is all that is at present required.

6. My inspection took place on the 24th & 25th October. I only received the G.O., No 4296, dated 21st October at Cochin on the latter date, after I had made arrangements to leave that place the following morning. I could not therefore meet Mr Hudson but as both Mr Joyce and Captain Winckler had seen the erosion at its worst, their evidence, I think, may be considered sufficient to have enabled me to come to a conclusion as to the remedial measures necessary.

I have the honor to be,
Sir,
Your most obedt. servant,
Lt Col: RE,
Supg. Engineer, 4th Circle.

1138/14

From

The Supg. Engr.
4 Circle

13. 9. 90 – 2453 W – Orl
15. 10. 90 – 4167 C
21. [illegible] 90 – 4296 C

11

Dated 6th }
Despd 7th } Novr 1890.

No 354
E. W.

Enclo: 3

Erosion of the Coast
near Cochin
Reporting on the —

No 1138 W

Pica 12

1138/15

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 24th April 1891

READ the following

From the Presidency Port Officer No 179/473 d 31-10-90
Endt in Marine Dept d — 10-90
" " P.W. Dept No 416 C d 15. 10. 90
From the Resident in Travancore & Cochin No 160 d 15-10-90
Endt in the Pol. Dept d 20. 10. 90
" " P.W.D. No 4296 C d 21-10-90
From the Suptg. Engineer IV Cir. H. E. No: 354 E.W. d/6th November/90.

The measures adopted by the Superintending Engineer IV Circle are approved. No further steps seem necessary.

2. Paragraph 3 of the Superintending Engineer's letter will be considered in the Political Department.

H.C.
21/4

The Suptg. Engr. IV Cir }
" Marine Dept with plan }
" Political Dept }

D
6/5

J.D.B.
for C.S.
21/4

(Chief Secy: for favor of
Counter initials }

17

1138/16

~~Atca~~
(13)

OLS 100.IV
C.S. 21.IV.91
Hw 21.IV.91
M 22.IV.91

1890.

Public Works Department.

No.
Dated Port Cochin 24/4/91
Despatched
Received

24 . 4 . 91 . No 1138 W.

SUBJECT.

Erosion

The measures adopted by the E IV Circle for the protection of the coast near Cochin from — approved with remarks

70/4

24/4 .   24/4

(16)