(1) பக்கங்களின் எண்ணிக்கை 22
(2) புதுக்கித் திருப்பிய நாள் செப்டம்'90
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W.D துறை

150

அரசாணை எண். / மு. கோப்புத் தாள் எண். 476
அச்சகம் / பலவகை

நாள் : 19-2-1891 ~~198~~

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

11 Sheets

19th February 1891, No. 476 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Establishment.

Read—the following paper:—

From H. S. TAYLOR, Esq., Superintendent of Works, No. I Periyár Division, to the Chief Engineer, Public Works Department, dated Periyár, 27th January 1891, No. 414 S.E.

I have the honor to report on a fresh which occurred in the river on the night of the 20th instant. The gauge reading at—

5-30 p.m. was 18·20.
10 p.m. „ 17·80.
10-55 p.m. was 21·20.
11- 5 p.m. „ 22·00.

At midnight the water was over *the top* of the dam and it reached its highest point at about 1 a.m., when 3 feet was going over. These figures show a rise of 10 feet in three hours.

25·00.
(Intld.) J. P.

2. The water began to go down slowly after 1 o'clock. At 5 a.m. there was still 1 foot on the front wall.

3. The lower gauge was carried away by the fresh, but the marks show a rise to 10·91 at 500 feet below the dam. It must have been up to 15 on the lower wall, as only the chimneys of the pulsometer boilers were visible.

4. The result of the fresh is practically only to delay work until the water between the walls is pumped out. Scarcely a stone on the whole length of the front wall was displaced. Even the raising of the extension, which was quite green work, was entirely unharmed. The front 2 feet of this was laid in cement and the rest in surki.

5. The filling in between two of the piers was partially removed, also the temporary wooden lock bridge. Beyond this no damage whatever is visible. It cannot be ascertained until the water is pumped out whether the masonry at the rear of the walls, or the pulsometers, pipes, &c., have been injured, but it is not anticipated that they have been. One pulsometer boiler which had lately arrived, but had not been put in position, was carried some way down the river, but has been discovered. Further report, if anything special is noticed, will be made when the water has been pumped out.

6. There had been slight showers at Periyár for a day or two before, but barely enough to gauge. There were signs of a heavy storm raging far away in the east up the valley during the 20th afternoon, to which doubtless the fresh in the river was due. The Muliya Panjan did not rise an inch.

7. The principal incident of the night should be recorded, showing as a minor point the alarming rapidity with which the water rose but principally the devotion and pluck of three members of the staff which nearly cost them their lives.

8. Two barges, one carrying an engine and the other firewood, were moored alongside the left flank of the wall. Mr. Logan had uncoupled the barge engine from the pulsometer and returned to the 12 H. P. Mr. Mackenzie then joined him and proceeded across the wall to see the barges secured. The water was then ankle

deep on the wall and rising. Seeing that the supervisor was engaged in securing the barges Mr. Mackenzie returned by the same way to the assistance of Mr. Logan, followed by Sub-Overseer Mr. Rozario. Mr. Logan seeing danger approaching and that the pumping was useless had sent away the native driver. He and Mr. Mackenzie then turned the steam full on to the pulsometer, so that it could blow itself off, and proceeded to go along the wall to the *bridge*. It was now that the river rose by feet and by the time they were half across the volume of water pouring over the wall rendered it impossible to reach the bridge. They turned back to the 12 H.P. intending to cross again to the left flank, but, in the meantime, the water was more than 2 feet over the front wall and pouring down upon the engine. Their retreat was thus entirely cut off. The three took refuge on the boiler of the engine where they remained in a most precarious position from 12-30 to about 5 A.M. The water rose to its highest at about 1 A.M., when there were 3 feet going over the front wall.

9. The position can be imagined when it is remembered that the engine platform is at 16 and the water was pouring down upon it from a few feet off at 28.

10. Fortunately the engine was heavy enough to stand the shock of the water and logs being dashed against, for almost certain death awaited the three on the boiler if it had given way.

11. It was this position of the engine that rendered any assistance from the shore impossible. At last at about 5 A.M., when the flood had fallen 2 feet, two men belonging to a gang of lascars under Mr. Logan took a rope at great risk to themselves along the wall from the bridge to the engine and the three came back safely the same way by the aid of the rope.

12. I recommend that a substantial recognition of their pluck be made to these two men, by name (1) Thundell, (2) Syed Mahomed Pillai. At 6-30 A.M. on the 21st the upper gauge read 23·00, the river was falling and pumping is in progress.

13. Further report will be made if any damage worth recording becomes apparent.

ORDER—dated 19th February 1891, No. 476 W., Public Works.

His Excellency the Governor in Council learns with satisfaction that no damage to the works or loss of life was caused by the heavy and unexpected flood which occurred on the night of the 20th January.

2. He desires to express his approval of the courage and devotion displayed by Messrs. Mackenzie, Logan and Rozario and of the conduct of the lascars, Thundell and Syed Mahomed Pillai, who aided in rescuing them from their dangerous position.

3. A gratuity of Rs. 25 will be presented to each of the two lascars in acknowledgment of their conduct.

(True Extract.)

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

To the Superintendent of Works, Periyár Project.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. A. D. Xavier.
Spare Copies

476/2

IRRIGATION.
ESTABLISHMENT.

Govt. of {1891} Madras.

PUBLIC WORKS.

Dated February, 19th.

Recd.

Encl.

G.O., 19th Feb. 1891, No. 476 W.

FEBRUARY.

Flood in the Periyar

Approving the courage and devotion displayed by Messrs. Mackenzie, Logan and Rozario during the — on the 20th January and awarding Rs. 25 to each of the two lascars who aided in rescuing them from their dangerous position.

Office of the Supdt of Works
No I Periyar Division
No 414 S.E.
Periyar 27th January 1891

476/W

From,
H. S. Taylor Esqr
Supdt of Works
No I Periyar Dn

11

To,
The Chief Engineer
P.W. Department
Madras

Sir,

I have the honor to report on a fresh which occurred in the river on the night of the 20th instt.

The gauge reading at

5-30 P.M. was 18.20
10 - - P.M. " 17.80
10-55 P.M. " 21.20
11 - 5 P.M. " 22.00

At midnight the water was over the top of the dam, and it reached its highest point at about 1 A.M. when 3 feet was going over. These figures show

25.00

2. The water began to go down slowly after 10 o'clock. At 5 A.M there was still 1. foot on the front wall.

3. The lower gauge was carried away by the fresh, but the marks show a rise to 10.91 at 5.00 feet below the dam. It must have been up to 15 on the lower wall, as only the chimneys of the pulsometer boilers were visible.

4 The result of the fresh is practically only to delay work until the water between the walls is pumped out. Scarcely a stone on the whole length of the front wall was displaced. Even the raising of the extension, which was quite green work, unharmed. The fro [illegible]

[illegible]. The front 2 feet of this [illegible] laid in Cement and the rest in surki.

47e/4 2 P

5 The filling in between two of the piers was partially removed, also the temporary wooden lock bridge. Beyond this no damage whatever is visible. It cannot be ascertained until the water is pumped out, whether the masonry at the rear of the walls, or the pulsometers, pipes &c have been injured but it is not anticipated that they have been. One pulsometer boiler which had lately arrived, but had not been put in position was carried some way down the river, but has been discovered. Further report if anything special is noticed will be made when the water has been pumped out.

6. There had been slight showers at Periyar for a day or two before, but

barely

barely enough to gauge. There were signs of a heavy storm raging far away in the east, up the valley during the 20th afternoon to which doubtless the fresh in the river was due. The Muliya Panjan did not rise an inch.

7. The principal incident of the night should be recorded showing as a minor point the alarming rapidity with which the water rose but principally the devotion and pluck of three members of the staff which nearly cost them their lives.

8. Two barges, one carrying an engine and the other firewood were moored along side the left flank of the wall. Mr Logan had uncoupled the barge engine from the pulsometer & returned to the 12 H.P.+ Mr Mackenzie then joined him and proceeded across the wall to see the barges secured. The water was then ankle deep on the wall and rising.

Seeing

+ The pumping engine for the main pumping station

Seeing that the Supervisor was engaged in securing the barges Mr Mackenzie returned by the same way to the assistance of Mr Logan, followed by Sub overseer Mr Rozario. Mr Logan seeing danger approaching and that the pumping was useless had sent away the native driver. He and Mr Mackenzie then turned the steam full on to the pulsometer so that it could blow itself off(a) and proceeded to go along the wall to the bridge.(b) It was now that the river rose by feet, and by the time they were half across, the volume of water pouring over the wall rendered it impossible to reach the bridge. They turned back to the 12. H.P. intending to cross again to the left flank, but in the mean time the water was more than 2 feet over the front wall and pouring down upon the engine. Their retreat was thus

Entirely

476/5

(a) The side wall

(b) This is a bridge on a high level, sketched on the plan, above the reach of floods, and forms a permanent communication between the right bank and the central part of the main dam, where the work is going on—

Entirely Cut off. The three took refuge on the boiler of the engine where they remained in a most precarious position from 12-30 to about 5 A. M. The water rose to its highest at about 1 A. M. when there were 3 feet going over the front wall.

9. The position can be imagined when it is remembered that the engine platform is at 16, and the water was pouring down upon it from a few feet off at 28.

10. Fortunately the engine was heavy+ enough to stand the shock of the water and logs being dashed against, for almost Certain death awaited the three on the boiler if it had given way.

+ and was also securely bolted to heavy beams built into the masonry; its own weight would never have withstood the pressure—

S

11. It was this position of the engine that rendered any assistance from the shore impossible. At last at about 5 A. M. when the flood had

HP

had fallen 2 feet two men belonging to a gang of lascars under Mr Logan took a rope at great risk to themselves, along the wall from the bridge to the engine and the three, Came back safely the same way by the aid of the rope.

476/6

12. I recommend that a substantial recognition of their pluck be made to these two men by name { 1. Thundell
2. Syed mahomed Pillay.

At 6.30 A. M on the 21st the upper gauge read 23.00 the river was falling and pumping is in progress.

13. Further report will be made if any damage worth recording becomes apparent.

I have the honor to be
Sir
your most obedt servt

H. Taylor

Supdt of Works
No. I Periyar Dn

Al

P.W.C No 1081

No I Periyar Division

From

The Superintendent of Works
No 1 Periyar Division

To

The Chief Engineer
P. W. D

No 414 S. E.

Periyar
Dated 27th January 1891
Received 2-2-91

Enclosure —

Fresh in the Periyar River —— Reports on a —— which occured on the night of the 20th January 1891.

Read 1081
No 14/ii

Draft G.O. 476/7

[illegible] E. the Governor in Council learns with satisfaction that no damage to the works or loss of life was caused by the heavy and unexpected flood which occurred on the night of the 20th January.

2 He desires to express his approval of the courage and devotion displayed by Messrs Mackenzie Jaspar and Rozario, and of the conduct of the lascars Thundell and Syed Mahomed in and Pillay who aided and

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P. W. Department.

Read the following:— 476/8

[illegible] tendent of Works, [illegible] n, No 414 S E of 27th Jan/91.

DERS.

W. [illegible]

PWC No 10811

No I Periyar Division

From

The Superintendent of Work

No 1 Periyar Divisio

To

The Chief Engineer

P.W.D

No 414 S.E.

Periyar
Dated 27th January 1891
Received 2.2.91

Enclosure –

Fresh in the Periyar River —— Reports on a —— which occured on the night of the 20th January 189

W

---

removing them from their dangerous position

A gratuity of Rs 25 will be granted to each of the two men in acknowledgment of their conduct –.

13.2

Sd/ P. Provost
Ch. E for Irrn
[illegible]

P. W. Department.

Read the following :— 576/A

Letter from the Superintendent of Works, No 1 Periyar Division, No 414 S.E. of 27th Jan/91.

FOR ORDERS.

W. 4.2

Col. Pennycuick should I think state what recognition of the pluck of the two men who took the rope out, should be made. I don't see that any further orders are wanted except expression of satisfaction that there was no loss of life and that the works suffered no damage.

N.L.S.
5 Feb.

7/2

Some recognition too might well be made of the pluck of Messrs. Mackenzie, Logan & Rozario.

W
11/2/91

FOR ORDERS.

(3) ~~His Excy the Go~~

(1) ~~The Hon Mr Sto~~

(2) ~~The Hon Mr Go~~

476 W 91

Hhis. 4.ii.91

[illegible]

Do. 476 W dt 19th February 1891

PUBLIC WORKS DEPARTMENT.

Examined

Compared

PROCEEDINGS OF THE MADRAS GOVERNMENT.

476/10

READ the following

The Supdt. of Works No I Periyar Division Ltr. No. 414 Pk. dt 27th Jany 1891

His Excellency the Governor in Council learns with satisfaction that no damage to the works or loss of life was caused by the heavy and unexpected flood which occurred on the night of the 20th January.

2. He desires to express his approval of the courage and devotion displayed by Messrs Mackenzie, Logan and Rozario, and of the conduct of the lascars, Thundell and Syed Mahomed Pillai who aided in rescuing them from their dangerous position.

Fd 16 Feby

W

3. A gratuity of Rs. 25/- will

will be presented to each of the two lascars in acknowledgment of their conduct

S
14/2/

Ans
Sir Lacey

To
The Supdt. of Works P. Project
" Chief Engr for Irrig
" Examiner Accts
27/2

Cm: 14.ii.91
R 19.ii.91

6

1081.

Govt. of (18) Madras.

PUBLIC WORKS.

Dated, at once 23/2

Recd.

Encl.

G.O. 19th Feby 91 No. 476W.

Flood in the Periyar

Approving the Courage & devotion displayed by Messrs McKenzie, Lopez & Rozario during the — on the 20th January & awarding the 25^{Rs} each of the two lascars who aided in rescuing them from their dangerous position

11

10/4

R.C. 19/2

d/19/2