(1) பக்கங்களின் எண்ணிக்கை 8

(2) புதுக்கித் திருப்பிய நாள் 12/8/20

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

91

தமிழ்நாடு அரசு

PWD துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2567

அச்சகம்
பலவகை

நாள் : 24-9-1891 198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

4 Sheets

ஆவண. கா-1—18,000—15-6-87.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

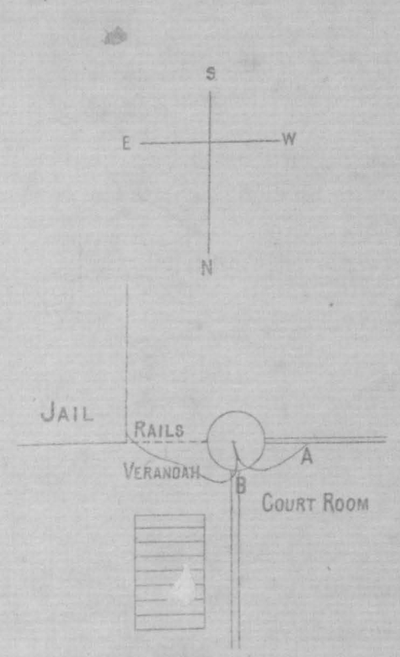
READ—the following papers :—

G.O., dated 11th June 1890, No. 1620 W., Public Works.

Read—the following Inspection Notes of T. W. S. SMYTH, Esq., Acting Executive Engineer, Madura Division, dated 7th May 1890 :—

Sub-Magistrate's Cutcherry at Madura.—This building has been struck by lightning and considerable damage done to it, a person also being killed and two slightly injured. The cause of the accident is undoubtedly faulty design. The building has a small tower, projecting from the top of it was a vertical iron rod 4 feet long. It is almost incredible to believe that this tower was unfurnished with a lightning-conductor, but such was the case. Consequently the building was a death-trap, and it is probably only the near proximity of the towers of the great temple (fitted with lightning-conductors) that preserved it up to this time.

This, however, cannot be made an excuse, as the nearest tower is over 200 yards distant and its height is probably little over 200 feet. A heavy discharge of electricity having then fallen on this tower split into two branches A and B.



Branch A ran down through south wall of the court room (attracted by iron barred windows below). In its course through the upper storey it did some damage to the wall and upper window, the arch above which will have to be renewed. All the glass windows were also shattered. The current then passed through the arch above the lower window (iron barred) and through it to the ground, killing a man seated close by and stunning two others. This lower storey is part (I believe) of the old palace. It has a vaulted roof supported on pillars with intervening arches. One row of these in a line with that through which the current passed is cracked throughout at the crown. At right angles to this there is a crack in the centre row of arches which is three-quarter inch wide at the crown of one arch. These two cracks extending as they do, across the roof in two directions at right angles to one another, must have required a very severe shock to develop them. The Sub-Magistrate has been warned to vacate the building which is not safe for him to occupy.

Never having seen a similar case, I cannot say whether the foundations are or are not injured, but if not, the damage may be repaired by passing W.I. tie-rods from wall to wall and filling in the cracks with liquid cement.

Branch B.—Current passed through east wall of court room, splitting off some bricks and plaster, but not cracking the wall and through a door-way.

Here it divides again, one branch going straight down and splitting off some bricks and plaster as before.

The other branch ran off eastwards to sub-jail and down its west wall to ground without doing much harm.

No. 157 M.D.

This was received in this office only on the 18th. A formal special report of the accident should have been sent in at once.

2. The building should be thoroughly examined and proposals for its repair, if possible, submitted. It should also be seen whether the foundations have been in any way affected.

Kodaikanal,
21st May 1890.

(Signed) A. C. SMITH, Lt.-Col., R.E.,
Superintending Engineer, VI Circle.

No. 158 M.D.

Copy submitted to the Chief Engineer, Public Works Department, for information.

Kodaikanal,
21st May 1890.

(Signed) A. C. SMITH, Lt.-Col., R.E.,
Superintending Engineer, VI Circle.

Order—dated 11th June 1890, No. 1620 W., Public Works.

Recorded.

2. A special report of the accident should have been submitted at once.

3. The Superintending Engineer will report why the necessary and obvious precautions of providing a lightning-conductor was not carried out when the building was completed, and before it was handed over.

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

Proceedings of the Board of Revenue (Land Revenue), dated 20th June 1890, Mis. No 3900.

Mr. W. S. Whiteside.
The Hon. J. Grose.

Read—the following letter from E. TURNER, Esq., Collector of Madura, to the Secretary to the Commissioners of Land Revenue, dated Kodaikánal, 30th May 1890, No. 212:—

I have the honor to report, for the information of the Board, that on the evening of the 27th April 1890, there was a heavy fall of rain at Madura cusbah from 5-30 to 8-30 P.M. accompanied by thunder and lightning.

2. A portion of the Town Sub-Magistrate's office building, which was recently constructed and which has been used as Taluk cutcherry as a temporary measure, the permanent one being under construction, was struck by a thunderbolt and the building seriously injured.

3. About 25 persons, including some of the taluk gumastahs and curnams, were in the Taluk office engaged in the preparation and checking of jamabandi accounts, &c. Nagappa Mudali, one of the gumastahs on Rs. 20, was struck dead on the spot by the thunderbolt, another had a slight contusion from a piece of brick striking him, and two curnams were also slightly injured by the shock. All except Nagappa Mudali are out of danger.

4. The iron piece fixed on the top of the turret staircase appears to have attracted the current which branched off in different directions; one branch through the windows on the southern wall, another through the south-eastern wall, the third through the floor upstairs into the wall of the treasury-room. Most of the windows of the building were smashed, and a big beam upstairs has also cracked a little. There are also cracks on the arches of the room downstairs.

5. The Executive Engineer who was asked to inspect the building reports that the building is unsafe.

6. He has been requested to arrange for the restoration of the building at an early date, and the Tahsildar will hold his office in the Tirumalai Nayak's palace as a temporary measure pending the construction of the court room for the Tahsildar sanctioned in G.O., No. 23 W., dated 8th January 1889.

Resolution—dated 20th June 1890, Mis. No. 3900.

Submitted for the information of Government.

2. The Board suggests the advisability of adding a lightning-conductor to the type design for taluk offices.

(True Extract.)

(Signed) A. G. CARDEW,
Acting Secretary.

No. 4016, Revenue.

Transferred to the Public Works Department.

Ootacamund,
30th June 1890.

(Signed) C. A. GALTON,
Secretary to Government.

Order—dated 23rd July 1890, No. 2013 W., Public Works.

The foregoing correspondence will be communicated to all Superintending Engineers with the remark that whenever the position or shape of a public building renders it likely to attract electricity, measures should invariably be taken for its efficient protection by the provision of lightning-conductors.

2. With reference to the suggestion in para. 2 of the Revenue Board's Proceedings above recorded, it is observed that the building at Madura which has been struck by lightning was not constructed in accordance with the type design for taluk offices. It was an old building, improved to accommodate the Sub-Magistrate's office, and was temporarily occupied by the Tahsildar. The latest type designs for taluk offices moreover do not provide for a turret.

3. The proposals of the Superintending Engineer for the repair of the building are awaited.

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.

To Superintending Engineers.
To the Revenue Department.
consulting Architect to Govt

Exd. J. Moses.
Spare Copies

2567/2

GENERAL.
ACCOUNT.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated July, 23rd.

Recd. *Encl.*

G.O., 23rd July 1890, No. 2013 W.

JULY.

Lightning-conductors

Directing that estimates for all buildings should make provision for — when the position or shape of the building seems to demand such protection.

1891.

P. W. DEPARTMENT.

Current No. 9027

From The Examiner

P. W. Accts

ENCLOS.—

No. 4970

Dated 24th Augt 1891

Received 25 — do —

SUBJECT.

Bringing to notice that the Genl. Supt. P. W. Stores has purchased 5008 lbs of Best Staffordshire Iron (Rs 303-11-2) without the sanction of Govt.

DISPOSAL.

No. dated

Referred to the Supdg. Engineer Vcircle for favour of report.

(By order)

(Sd) O. V. Boddy

Major R.E.

Under Secy to Govt P.W.D.

Stores manufactured in Europe, but purchased in India, under paragraph 3 of Government of India Financial Resolution, No. 185, dated 10th January 1883.

Description or Class of Stores.	No. or Quantity.	Actual Cost in India. Average Price or Rate.	Actual Cost in India. Incidental Charges, Carriage, &c.	Actual Cost in India. Total Cost.	Estimated Cost, if obtained through India Office. Average Price or Rate.	Estimated Cost, if obtained through India Office. Incidental Charges, Freight, Exchange, &c.	Estimated Cost, if obtained through India Office. Total Cost.	Remarks.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Iron Round 2½"	5008	303 11 2	" "	303 11 2	8 3 10	252 13 2		Not procurable in the Public Works Stores, and required for immediate use in the (illegible) for execution of orders. Sanction is requested under clause 7, para. 3 of the Government of India Financial Resolution, No. 185, dated 10th January 1883, and embodied in G.O. No. 1679, W., dated the 2nd July 1886. The acct of the agn is also having been made by the Genl Supt. Pub. Works & the goods required having actually been purchased by him pending sanction of Govt.

No. 990- S.

To THE SUPERINTENDING ENGINEER, V CIRCLE,
Madras.

SIR,

With reference to paras. 2 and 3 of the Government of India Resolution, published with G.O., No. 202 W., dated 25th January 1886, I have the honor to request you to obtain the sanction of Government to my purchasing in the local market, for the reasons stated, certain articles of European manufacture, as above.

I have the honor to be, &c.,

Madras, 9 September 18 91.

Gen. Supt. P. W. Stores.

No. 4228/91. - The Chief Engr. Concurs.

THE above application is forwarded to the Chief Engineer, P. W. D., with the recommendation that it be complied with.

SUPTG. ENGINEER'S OFFICE, V CIRCLE,
Chepauk, 14 September 1891.

Superintending Engineer, V Circle.

18 .

P. W. DEPARTMENT.

From

THE SUPERINTENDING ENGINEER

V CIRCLE,

To

THE CHIEF ENGINEER,

PUBLIC WORKS DEPARTMENT.

No. 4288

Dated 14th } September 1891
Recd. 16th }

Subject.

Requesting that sanction may be given to the purchase of certain articles of European manufacture in the local market.

(4)