

**MADRAS RECORD OFFICE.****Government of Madras.***Revenue* **DEPARTMENT.**

|          |          |              |
|----------|----------|--------------|
| G.O. No. | 19 20    | <u>Press</u> |
|          | 137-138  | <u>Mis.</u>  |
| Dated    | 9-9-1862 |              |

**Not to be folded or roughly handled**

*Proceedings of the Madras Government, Revenue Department,  
9th September 1862.*

No. 137. Read the following Proceedings of the Board of Revenue, dated 16th July 1862,  
No. 4,602:—

Read the following letter from Major F. J. B. PRIESTLEY, Superintendent of Revenue Survey,  
to W. HUDLESTON, Esq., Secretary to the Board of Revenue, Madras, dated  
Chepauk, 26th June 1862, No. 551.

SIR,

1. I have the honor to submit a brief report on the completion of the test applied to the  
Survey of those Divisions of the Town of Madras commenced before it was placed under my  
superintendence.

2. The result with the exception of a few glaring errors is in my opinion satisfactory and  
goes to prove that the Survey itself is sound; the errors discovered being in most cases mistakes  
in computation that would have been certainly brought to light if the Survey had been from the  
first placed under effective supervision.

ENCLOSURE No. 1.

REPORT on the examination of the Survey of the Nungumbakum, Egmore, Perambore, and  
Triplicane Divisions by the Superintendent, Revenue Survey.

NUNGUMBAKUM.—The detailed examination of the  
Divisions of Mylapoor and Pursevakum reported on the 17th November 1860  
and 24th June 1861. Survey of the Nungumbakum Division was commenced in  
June 1861.

|                 |       |              |
|-----------------|-------|--------------|
| Greatest error. |       |              |
| C.              | Grds. | Sq. feet.    |
| 0.              | 23    | 446 or       |
|                 |       | 99 per cent. |

263 holdings were examined and of those only 21 have  
been found in which the difference between the Survey areas  
and those found by test exceed 5 per cent.

Proceedings Madras Government, dated  
6th December 1860, No. 2,323.

The sanction for the testing Establishment had termi-  
nated at the end of June, but the work was continued till the  
5th of August in anticipation of sanction. The Civil Paymaster, however, having objected to  
pass the Salary Bill of the Establishment for July, the Superintendent ordered the discontinuance  
of the Establishment.

On receipt of the Order of Government, dated 23rd August 1861, No. 1,700, for the  
continuance of the Establishment till the end of February 1862 the work was resumed on the  
9th of September.

The computations of the traverses were examined and a few clerical errors  
List appended. alone were discovered.

The main and Nos. 1 and 2 minor Circuits were set up, the areas of which as found by test  
and the difference between them and the Survey areas are appended.

Part of a road belonging to Mylapoor and measured in that Division had been included in  
this Division, the area of it is C. 0, Grds. 17, Sq. feet 1,200, and has been deducted.

|                |       |                   |
|----------------|-------|-------------------|
| Maximum error. |       |                   |
| Cs.            | Grds. | Sq. feet.         |
| 0              | 23    | 1,582             |
|                |       | or 33.4 per cent. |

EGMORE.—The Egmore Division was next commenced  
in it 381 holdings were examined and 19 were found in which  
the difference between the Survey areas and those found by  
test exceed 5 per cent.

|                       |   |       |
|-----------------------|---|-------|
| * Cs. Grds. Sq. feet. |   |       |
| Area.....             | 3 | 5 256 |

A new road\* (Commander-in-Chief's) has been lately  
made which reduces the content of 14 holdings through which  
it runs the details of each are given in the comparative Statement, and the necessary corrections  
have been made in the map.

In the computations of the traverses only two errors were found.

|         |       |                   |
|---------|-------|-------------------|
| Maximum |       |                   |
| C.      | Grds. | Sq. feet.         |
| 0       | 10    | 1,864             |
|         |       | or 12.3 per cent. |

The next Division taken in hand was Perambore, out of  
114 holdings examined only 4 have been found in which the  
difference between the Survey areas and those found by test  
exceeded 5 per cent.

In the computations of the traverses no error was found.

2 *Proceedings of the Madras Government, Revenue Department,*  
9th September 1862.

Maximum.  
Ca. Grds. Sq. feet.  
0 19 861  
or 45.2 per cent.

TRIPPLICANE.—The examination of the last Division (Triplicane) undertaken about the end of December last, 6 blocks of holdings containing 500 numbers were examined, and of those only 3 have been found in which the difference

between the Survey areas and those found by test exceeded 5 per cent.

In the computations of the traverses only one clerical error was found.

Peter's road forming the Southern Boundary of the Division had not been included in the Survey of this Division.

The main circuit was set up the area as found by test, and the difference between it and the Survey area is appended.

A few alterations have been made in this Division since Survey; in Chepauk Palace enclosure huts, tiled buildings, &c., have been knocked down, and near the middle of Triplicane a number of huts, &c., have been erected; these alterations have been noted in the Survey Maps.

Comparative Statements of the areas of holdings as given by Survey, and the same as found by test for each Division accompany as also the rough maps.

The work of the Town Survey has been connected with three stations of G. T. Survey, viz., Madras Observatory, Fort Saint George and Mowbray's Capula; a comparison of distances thus obtained with those given by the Survey is annexed.

The distance between Fort Saint George and Madras Observatory was computed with the distances on the meridian and perpendicular from Colonel Lambton's records of the G. T. Survey, as the exact distance between the two stations is not found in these records.

Statements of expenditure and scale of Establishment as it stood at the expiration of the sanction (February 25th, 1862) accompany.

(Signed) F. J. B. PRIESTLEY, Major,  
Superintendent Revenue Survey.

*Proceedings of the Madras Government, Revenue Department,* 3  
9th September 1862.

List showing the clerical and other error discovered on the examination in Office of Traverses, &c., in the Madras Town Survey.

| Name of the Division and number of Circuit. | Stations. | Angles.    |          | Bearings.  |           | Departure of each station from the first in the series. |          | Sums of the distances on the perpendicular. |          | Products.        |                  | Remarks. |
|---------------------------------------------|-----------|------------|----------|------------|-----------|---------------------------------------------------------|----------|---------------------------------------------|----------|------------------|------------------|----------|
|                                             |           | Erroneous. | Correct. | Erroneous. | Correct.  | Erroneous.                                              | Correct. | Erroneous.                                  | Correct. | Erroneous.       | Correct.         |          |
| Nungumbakum Minor Circuit No. 1.            | 69        | ...        | ...      | ...        | ...       | ...                                                     | ...      | ...                                         | ...      | N. W. 675615-057 | N. W. 375615-057 | ...      |
| Do. "                                       | 71        | 272-22     | 277-22   | ...        | ...       | ...                                                     | ...      | ...                                         | ...      | ...              | ...              | ...      |
| Do. "                                       | 263       | ...        | ...      | 146-59-30  | 145-59-30 | ...                                                     | ...      | ...                                         | ...      | ...              | ...              | ...      |
| Do. "                                       | 3         | 174-28     | 174-22   | ...        | ...       | ...                                                     | ...      | ...                                         | ...      | ...              | ...              | ...      |
| Egmore, Minor Circuit No. 3.                | 78        | ...        | ...      | 65-33      | 65-37     | ...                                                     | ...      | ...                                         | ...      | ...              | ...              | ...      |
| Do. "                                       | 5         | E.         | ...      | ...        | ...       | ...                                                     | ...      | W. 1833-925                                 | 1381-925 | ...              | ...              | ...      |
| Triplicane, Main Circuit                    | B.        | ...        | ...      | ...        | ...       | 11116                                                   | 11116    | ...                                         | ...      | ...              | ...              | ...      |

4 *Proceedings of the Madras Government, Revenue Department,*  
9th September 1862.

STATEMENT showing the errors discovered in the Traverses of the Madras Town Survey.

|                                       | By Survey.                  | By test.                     | Difference.              | Remarks. |
|---------------------------------------|-----------------------------|------------------------------|--------------------------|----------|
|                                       | Ft.                         | Ft.                          | Ft.                      |          |
| Nungumbakum main Circuit.             |                             |                              |                          |          |
| Distances between St. 60 to 61 ... .. | 1,970                       | 1,953                        | 17                       |          |
| Do. do.....                           | C. Gds. Sq. ft. 738 4 1,477 | C. Gds. Sq. ft. 736 16 252 1 | C. Gds. Sq. ft. 12 1,225 |          |
| Minor Circuit... .. No. 1.            | 126 4 570                   | 125 11 620 0                 | 17 2,350                 |          |
| Do. do. „ 2.                          | 164 1 317                   | 161 20 746 0                 | 19 399                   |          |
| Triplicane.                           |                             |                              |                          |          |
| Main Circuit ... ..                   | Acres. 1028 38.             | Acres. 1028 13               | 0 25                     |          |

COMPARATIVE STATEMENT of the length of the sides of G. T. S. Triangles as found by G.T. Survey, Madras Survey and Test.

| Stations.                                     | Length in feet by G. T. Survey. | By Madras Survey. | Difference. | Error per mile. | Length in feet by test. | Difference. | Error per mile. | Remarks. |
|-----------------------------------------------|---------------------------------|-------------------|-------------|-----------------|-------------------------|-------------|-----------------|----------|
| Madras Observatory to Mowbray's Capula ... .. | 15914                           | 15937 2           | 23 2        | 7 82            | 15898 08                | 15 92       | 5 3             |          |
| Fort St. George to do. ...                    | 21077                           | 21161 42          | 87 42       | 19 17           | 24098 6                 | 21 6        | 4 7             |          |
| Do. to Madras Observatory ... ..              | 14528 38                        | 14506 22          | 22 09       | 8 02            | 14484 01                | 44 27       | 12 2            |          |

STATEMENT of expenditure for the Testing Establishment Town Survey sanctioned in Government Order, dated 23rd August 1861, No. 1,700.

| Months.          | Amount expended. | Amount sanctioned. | Amount unexpended. | Remarks. |
|------------------|------------------|--------------------|--------------------|----------|
|                  | RS. A. P.        | RS. A. P.          | RS. A. P.          |          |
| 1861.            |                  |                    |                    |          |
| July ... ..      | 116 0 0          | 152 0 0            | 36 0 0             |          |
| August ... ..    | 96 6 3           | 152 0 0            | 55 9 9             |          |
| September ... .. | 93 9 7           | 152 0 0            | 58 6 5             |          |
| October ... ..   | 97 0 6           | 152 0 0            | 54 15 6            |          |
| November ... ..  | 116 2 8          | 152 0 0            | 35 13 4            |          |
| December ... ..  | 116 7 11         | 152 0 0            | 35 8 1             |          |
| 1862.            |                  |                    |                    |          |
| January ... ..   | 113 6 9          | 152 0 0            | 8 9 3              |          |
| February ... ..  | 131 8 0          | 152 0 0            | 29 8 0             |          |
| Total.....       | 910 9 8          | 1,216 0 0          | 305 6 4            |          |

*Proceedings of the Madras Government, Revenue Department,* 5  
9th September 1862.

SCALE OF ESTABLISHMENT.

|                        |     |
|------------------------|-----|
|                        | RS. |
| 1 Head Surveyor ... .. | 50  |
| 2 Computers... ..      | 35  |
| 1 Draughtsman... ..    | 30  |
| 6 Measurers... ..      | 37  |
| Total... ..            | 152 |

(Signed) F. J. B. PRIESTLEY, Major,  
Superintendent Revenue Survey.

Chepauk, 26th June 1862.

1. Submitted to Government, with reference to their Proceedings, dated 23rd August 1861, No. 1,700.
2. The test Survey now reported on, embraces the Nungumbakum, Egmore, Perambore, and Triplicane Divisions of the Town of Madras, and, with the exception of a few errors chiefly of computation, is considered to be satisfactory in its result, as proving the original Survey to have been sound.
3. In their Proceedings above quoted Government sanctioned the retention of the test Establishment employed on the work until February 1862, at a monthly cost of 152 Rupees: it will be observed from the last Statement appended to Major Priestley's report, that Rupees 305-6-4 of the total sanction remained undrawn on the completion of the work.

(True Copies and Extract.)  
(Signed) W. HUDLESTON, Secretary.

No. 138.

ORDER THEREON, 9th September 1862, No. 1,920.  
Ordered to be recorded.

(Signed) P. P. HUTCHINS,  
Acting Deputy Secretary to Government.

SCALE OF ESTABLISHMENT.

|                        | Rs. |
|------------------------|-----|
| 1 Head Surveyor ... .. | 50  |
| 2 Computers . . . . .  | 35  |
| 1 Draughts-man... ..   | 30  |
| 6 Measurers ... ..     | 37  |
| Total                  | 152 |

(Signed) F. J. B. PRIESTLEY, Major,  
Superintendent Revenue Survey.

Chepauk, 26th June 1862.

1. Submitted to Government, with reference to their Proceedings dated 23rd August 1861, No. 1,700.
2. The test Survey now reported on, embraces the Nungumbankum, Egmore, Perambore, and Triplicane divisions of the Town of Madras, and, with the exception of a few errors chiefly of computation, is considered to be satisfactory in its result, as proving the original Survey to have been sound.
3. In their Proceedings above quoted Government sanctioned the retention of the test Establishment employed on the work until February 1862 at a monthly cost of 152 Rupees: it will be observed from the last Statement appended to Major Priestley's report, that Rupees 305-6-4 of the total sanction remained undrawn on the completion of the work.

(True Copies and Extract.)

*[Signature]*

Secretary.

To A. J. Arbuthnot, Esq., Acting Chief Secretary to Government.  
Copy to Major J. B. Priestley, Esq., Superintendent Revenue Survey.

Exd. J. Wright.

1920

For 6 Decembar 1608 76-77.  
 ~ 23 August 161-340-342.  
 ~ 24 April 160-33-36.  
 ~ 9 July 161-153-154.  
 ~ 25 ~ 394-395.  
 ~ 11 May 160-3-4.  
 ~ 28 October 159-28-79.

Nov 1862 Department.  
 Survey for 1616.  
 No. 2076.  
 PROCEEDINGS OF THE BOARD OF REVENUE.

Dated 16th July 1862.  
 Dispatched 19<sup>th</sup> ~  
 Received 22<sup>nd</sup> ~  
 G. 4-Office & 18<sup>th</sup> in  
 1<sup>st</sup> Colli.  
 Returned 12-9-62.

No. 4602.

Submitting a letter from the Superintendent  
 of Revenue Survey, reporting on the test Sur-  
 vey of certain divisions of the Town of Madras  
 with the Board's remarks thereon.

24920.

RECORDED.

14 B/has to the B of Rev. Despt 10 Sept.

J. A. G. G. G. G.  
 J. A. G. G. G. G.

137 438.

137 438.