M.R.O. 14—18,000—27-9-24

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 2517 Press Mis.

451. 452

Dated 19— 9— 1866.

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department,
19th September 1866.

No. 451. Read the following Proceedings of the Board of Revenue, dated 4th September 1866, No. 6,272.

Read the following letter from the Government Astronomer, to the Secretary to the Board of Revenue, dated Madras, 8th August 1866 :—

1. I have the honor to enclose, for your approval, an Indent upon the Home Government, for 500 glass measures, to be used at the numerous stations in this Presidency, at which the rain-fall is now measured. The description and full-size figure, in the first column of the Indent, will, I trust, prevent the possibility of mistake ; but it may be as well to state, that the articles required will have to be made to order, as it is quite certain that none have ever yet been manufactured precisely similar to those now indented for. The number of glasses required at first will be about 360, and 140 will certainly not be an excessive reserve to supply the deficiencies arising from breakage and new demands sure to arise. The price charged me by the Medical Store-keeper some time since for the 8 oz., a half-pound ordinary measuring glasses, was Rupees 1-5-2 each ; but those now required will, I should think, cost much less to order in England.

2. In regard to the rain-gauges themselves, I have recently approved of two patterns, supplied by Mr. F. Doderet, Mathematical Instrument Maker, Public Works Department. The best of these is a large bottle surrounded by a japanned tin jacket, with a wide circular foot to be filled with sand, to prevent the gauge from being blown over. If it were possible to obtain a sufficient number of the large glass bottles, I should recommend this form as decidedly preferable to any other ; but as very few are to be met with, it will be best to authorize Mr. Doderet to procure as many as he can for cash in the local markets, and to construct a corresponding number of tin covers for immediate issue. The other kind of gauge is like the present Bailey gauges, a simple japanned tin receiving vessel with a loose funnel, but much broader, shorter, and firmer standing, than those now in use. As this pattern of gauge will hold considerably more rain than any bottle gauge, it may even be preferable on that account for use in districts such as South Canara and Malabar, where the rain-fall is excessive ; but it matters little which pattern is employed, since the all-important, point, the funnel, will be precisely the same in each : a turned brass ring of 4·697 inches in diameter ; making an inch of rain-fall correspond to an Imperial half-pint of distilled water at 62°, or to ten Avoirdupois ounces. The funds will, of course, have to be provided by the Revenue Department, and Mr. Doderet is, I believe, ready to have the gauges constructed as soon as he is duly authorized to proceed further in the matter.

3. As, however, the gauges alone without the glass measures would be useless, and several have been applied for (repeatedly in some instances) as urgently needed with the least possible delay, I beg to suggest that Mr. Doderet should be instructed to procure, *first*, as many of the ordinary half-pound or 8-ounce measures, not exceeding 50, as he can meet with ; and to furnish, at his earliest convenience, a corresponding number of gauges, of either pattern, for immediate issue : and that on the arrival of the 500 glass measures indented for from England, he shall be ready to complete 400 in all, less the number he may previously supply for current use. Every gauge should be distinctly stamped with its number on both funnel and cylinder, and none should be issued until tested and certified as correct by me. I cannot undertake the packing and distribution of the gauges, but their exami-

nation is a necessary duty if the future reports are to be more accurate and reliable than those hitherto kept.

ENCLOSURE No. 1.—Indent.

1. Submitted for the orders of Government, with reference to the Board's Proceedings, dated 14th August 1866, No. 5,674.

2. The Board approve of Mr. Pogson's proposal in paragraph 1 of his letter to obtain from England 500 glass measures of the pattern shewn in his Indent, but recommend that the Superintendent of the Public Works Stores Workshop be directed to furnish an Indent in the usual form for the glass measures, and to take charge of them on arrival.

3. The Board also recommend, as proposed by Mr. Pogson in paragraph 3, that Mr. Doderet be authorized to purchase 50 eight-ounce glass measures in the local market, and to make up a corresponding number of rain-gauges of the improved pattern for present use; the cost of both of which, as well as of the 350 gauges to be manufactured by the time of receipt of the measures from England, Mr. Doderet should be directed to report, through the Superintendent, to the Board of Revenue, as the funds will have to be provided in the Revenue Department.

4. All the gauges, prior to issue, must be tested by the Government Astronomer; but the custody, packing and distribution of them, and of the glass measures may be entrusted to the Superintendent of the Public Works Stores Workshop, to whom all Indents, after they have been passed by the heads of the departments from which they are made, can be forwarded for supply.

No. 452. ORDER THEREON, 19th September 1866, No. 2,517.

Miscellaneous.

Communicated to the Public Works Department, in view to the issue of orders to the Superintendent of the Public Works Stores Workshop to attend to the Board's requisitions contained in the foregoing Proceedings.

(True Extract.)

(Signed) J. GROSE,
Under Secretary to Government.

To the Department Public Works.
„ the Board of Revenue.

Exd. S. T. Augustin

No. 2517.
Communicated to the Dept. Rev. 1866. Department.
in view to the issue of orders to
the Superintendent of the P.W. Stores Work
shop to attend to the Board's
requisitions contained in the
foregoing Proceedings.

Dated 4th September 1866.

No. 3007.
PROCEEDINGS OF THE BOARD OF REVENUE,

No. 6,272.

No 2517 - 19 September

Submitting letter from Government Astronomer, and recommending that Superintendent of P. W. Stores Workshop be directed to furnish an indent for the required glass measures, and the Mathematical Instrument Maker be authorized to purchase the 50 glass measures.

To the Dept. P.W. 19 Septr. 1866.
" Board of Revs

Reported to England
per letter dated 26th October No 45 of 1866

Exd. J. Wright.

No. 451-452.