M.R.O. 1—38,000—16-10-29.

MADRAS RECORD OFFICE.

Government of Madras.

Judicial **DEPARTMENT.**

G.O. No. 1042 Press ~~Mis.~~

36-37

Dated 3 — 8 — ~~19~~ 1857

Not to be folded or roughly handled

Proceedings of the Madras Government, Judicial Department, from 30th July to 5th August 1859.

No. 36. Read the following Proceedings of Government, Public Works Department, dated 26th July 1859, No. 1792.

Communicate, with reference to Order of Government, letter from the Chief Engineer, reporting on the necessity of the erection of a lightning conductor, to the Hospital at Nursepatam. } (Vide Proceedings Public Works Department, from 22nd to 29th July 1859, Nos. 54 and 55.)

No. 37. ORDER THEREON, 3rd August 1859, No. 1042.

The suggestion of the Chief Engineer in para. 2 of his letter, will be carried out. The necessary orders for the erection of the additional lightning conductors, will accordingly be issued in the Public Works Department.

(Signed) T. PYCROFT,
Chief Secretary.

Exd. F. Cartledge.

PUBLIC WORKS DEPARTMENT.

Judicial.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter from Lieutenant-Colonel J. H. BELL, Chief Engineer: to J. D. BOURDILLON, Esq., Secretary to Government, dated 22nd July 1859, No. 2963.

In reply to the Proceedings of Government, dated 12th Instant, No. 1683, I have the honor to report that under the circumstances mentioned by Captain Owen, in his letter to the Agent to the Governor, dated 13th June 1859, the erection of a lightning conductor to the hospital at Nursepatam, appears highly necessary.

2. From the description given by Captain Owen of the relative position of the powder magazine, barrack and hospital, it is observed that the distance of the hospital from the magazine, viz., 100 yards, places the former building quite out of the protective influence of the conductor attached to the latter. The measure of such protective influence according to the instructions for the erection of lightning conductors, circulated by the late Military Board on the 25th May 1849, is stated to be a "cone of which the conducting rod is the axis, and the radius of the base, equal to the axis; the height of the rod, therefore, above each and every point in a building which it is to protect, must be at least equal to its distance from that point." The hospital being 100 yards distant from the magazine, it would be necessary to lengthen the present conductor to an inconvenient height, viz., 300 feet, above the highest point of the magazine, so as to bring the hospital under its influence. The instructions above referred to, prescribe in such cases, the fixing of 2 or more conductors, the number being regulated by the length of the building or buildings to be protected. In the present case, therefore, it would seem necessary not only to erect a conductor for the protection of the hospital, as suggested by Captain Owen, but also one for the protection of the barrack, the centre of which is 40 yards distant from the western side of the hospital.

3. Supposing, therefore, a conductor to be erected at the N. W. corner of the hospital, it would require to be at least 120 feet above the hightest point of those buildings to be really serviceable. It would be better, therefore, to have a conductor for each building, to be placed near the centre of the north wall, and of such a height as that a circle described from it as centre, and with a radius equal to its elevation above the highest point of the building, shall take in all parts of the building and a few feet to spare.

ORDER THEREON, 26th July 1859, No. 1792.

Communicated to the Judicial Department with reference to proceedings in that department 2nd instant No. 904.

(True Extract.)

Actg. Dy. Secretary to Government.

To the Judicial Department.

Exd. Wm. Thomas.

Con. 8 July/59. 1=2
Ded. 12 Aug/59

Pro of Govt. & Judicial 1859 Dept

Proceedings of Govt
& Jud. Dept 1792

No. 1946 — 2/-26
& 29 July 1859
4 spare copies
No. 2347.

Communicate,
with reference to order of
Govt., letter from the
Chief Engineer re-
porting on the ne-
cessity of the erec-
tion of a lightning
conductor to the
hospital at Nara-
patam.

With an Order

30437

No. 1042. 3d. August 1859.

The suggestion of the Chief Engineer in para 2. of his letter will be carried out. The necessary orders for the erection of the additional lightening conductors will accordingly be issued in the Pub. Wks. Dept.

JP

The Agent, Vizagapatam
with Pro No 1792
Pub. Wks. Dept.