M.R.O. 1—29,000—16-10-29.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No.	2055	Press ~~Mis.~~
469-20. Dated	30-7-	1868

Not to be folded or roughly handled

Proceedings of the Madras Government, Revenue Department,
30th July 1868.

No. 469. Read the following Proceedings of the Madras Government in the Military Department :—

Communicating to the Superintendent of Revenue Survey, through the Revenue Department, papers relative to the examination of Candidates for the Staff Corps } (Here enter 21st July 1868, No. 2,818.)

No. 470. ORDER THEREON, 30th July 1868, No. 2,055.

Miscellaneous.

Communicated to the Superintendent of the Revenue Survey.

(True Extract.)

(Signed) H. SEWELL,
Acting Under Secretary to Government.

To the Superintendent of Revenue Survey, with Proceedings Military Department No. 2,818.

Exd. F. R. Bantleman.

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following papers :—

From Lieutenant-Colonel J. T. WALKER, Royal Engineers, Officiating Surveyor General, Masoori, 18th June 1868, No. 939; to the Secretary to Government, Military Department, Fort Saint George.

With reference to the Proceedings of the Government of India, in the Home Department, No. 508, dated 30th April 1868, on the examinations of candidates for the Staff Corps, directing that "the Surveyor General of India should be "asked to settle, in communication with the Local Governments, the test exami- "nation for the Survey Department which should be obligatory throughout India, "leaving it to the Local Governments to call upon an Officer of that Department, "before being actually employed in any special duty, to acquire any further know- "ledge that local circumstances may render necessary," I have the honor to submit, for the consideration of your Government, a draft of new rules, which appears to me to embrace all that is necessary.

(2.) In framing these rules, I have attempted to introduce all that is most important in Military General Order No. 531 of 27th June 1864, in the Notifications of the Government of India in the Home Department, No. 3474, dated 8th August 1866, and No. 3563, dated 10th August 1866, and in subsequent instructions communicated by the Government of India to the Surveyor General.

(3.) I will now proceed to review the proposed rules.

I. The words in italics have been introduced in consequence of a question as to the Department of the Government which should be solicited to authorize an extension of the term of probation from one to two years. In Military Department memorandum No. 553, dated 31st August 1867, the question was decided as here indicated.

II. and III. are taken almost *verbatim* from Military General Order No. 531, dated 27th June 1864.

IV. combines rules VI. and XI. of the Military General Order with the modification of the latter rule in Home Department Notification, No. 3563, dated 10th August 1866; the passage in italics is intended to meet a want felt in the Bombay Revenue Surveys, as expressed in paragraph 2, Clause III of Notification No. 3474, dated 8th August.

V. is required by the Military General Order, and includes paragraph 3 of Clause III of Notification No. 3474, dated 8th August, but omits paragraph 1, as a certificate of having passed in the examination in the native languages, which qualifies for Staff employment has to be given by the Commanding Officer; *vide* Appendix A.

VI. The three first Clauses are taken from the Military General Order, the fourth and fifth are taken, with slight modifications, which have been italicized. from paragraph 2 Clause IV of Notification No. 3474, dated 8th August 1866.

VII. is a modification of rule V of the Military General Order, to suit the requirements of the Survey Departments in the different Presidencies. In accordance with instructions from the Government of India in the Home Department, No. 567, dated 16th January 1866, probationers who cannot conveniently be summoned to their Departmental Head Quarters, may be examined in the presence of their immediate superiors, by sealed questions transmitted from Head Quarters.

VIII., IX., X., XI., and Appendix A., are taken *verbatim* from the Military General Order, with the exception of an addition to the Surgeon's certificate, that the candidate *has good eye-sight*, a point which appears to me to be of too essential importance to be overlooked.

(4.) Soliciting an expression of the views of your Government on the proposed rules.

DRAFT of proposed tests for admission to the Staff Corps from the Survey Departments of the three Presidencies.

I. For these Departments the period of probation will be one year. This, under special sanction *of the Department of the Government under which the Survey is employed*, may be extended to two.

II. For the Survey Department in general there will be distinct classes of examinations, *both preliminary and final, viz.*:—

1*st*.—For the Topographical and Revenue Surveys, and

2*ndly*.—For the Great Trigonometrical Survey.

III. In regard to the first, the preliminary examination will embrace the following subjects :—

1. A thorough knowledge of arithmetic, but more especially of involution, square and cube roots, arithmetical and geometrical progression, proportion or rule-of-three, vulgar and decimal fractions, logarithmic calculations, and mensuration of surfaces.

2. Elementary geometry—first four books of Euclid.

3. Algebra, as far as quadratic equations, inclusive.

4. Elements of plane trigonometry.

5. Execution, in the presence of examiners, of topographical, mechanical, or civil drawing of a certain standard of excellence.

IV. Officers of Engineers and Artillery, and Officers holding certificates of qualification granted at the Institutions of Addiscombe and Woolwich, or the Staff College, or Civil Engineering Colleges, *or who may have passed an examination in surveying according to the Army Standard*, will be exempted from undergoing any preliminary examination, and will, on being nominated, at once enter as probationers, and be attached to Survey parties, to learn their practical duties in the field and during the recess.

V. Every candidate will be required to furnish the certificates from his Commanding Officer, and the Surgeon of his Regiment or Corps which are prescribed in Appendix A.

VI. The final examination *for the Topographical and Revenue Surveys*, to be held at the close of the period of probation, will comprise :—

1. The satisfactory execution, unassisted, of a small area of country, including the computation and entire mapping involved in the same.

2. Perfect use and knowledge of all the instruments employed in the Department, and adjustment of the same.

3. The elements of nautical astronomy, sufficient for ascertaining time, azimuth, and latitude.

4. A full knowledge of all rules in force for the general conduct of the Survey Establishments, *in the Department to which the probationer is attached*.

5. A certificate of having passed an Interpreter's examination in any vernacular languages *indicated by the Government under which the probationer is employed*.

VII. These examinations will be conducted by *the Head of the Department in which the probationer is serving* aided by such professional Officers selected by himself to the number of two, as may be available. Whenever desirable, sealed examination questions may be transmitted, in view to their being answered by the probationer in the presence of the Officer in charge of the Survey party to which he is attached, in lieu of obliging him to appear at Departmental Head-Quarters for the purpose of examination.

VIII. For the Great Trigonometrical Survey, the examination for the topographical branch will be as for the Revenue Survey.

IX. For the Geodesical or higher branch the preliminary examination will be theoretical only, comprising the usual course of mathematics up to conic sections, and the principles of construction of instruments in common use. The final examination will be theoretical and practical, embracing analytical geometry of three dimensions,—statics, dynamics, and astronomy ; the construction of the instruments of the Great Trigonometrical Survey and a practical familiarity with their management.

X. The Examiners will be the Superintendent Great Trigonometrical Survey, with any two available Officers of the Department at his Head-Quarters.

XI. The degree of proficiency attained by candidates will be ascertained in both branches of the Survey Department by written examinations, the questions being framed at Departmental Head Quarters.

APPENDIX A.

Certificate of Commanding Officer.

Certified that Lieutenant of the Regiment , a candidate for the Staff Corps, completed three years' duty with a Regiment on the , two years of which (or the whole period of which, as the case may be) were spent in India.

Lieutenant has passed the examination in the native languages which qualifies for Staff employment ; and has attained such a knowledge of his drill and duty, as an Officer of Infantry (or Cavalry) in all its branches, as to qualify him for the command of a Company (or Troop) in all situations. He also possesses a fair knowledge of the Articles of War and of the Queen's Regulations, as well of the Military Regulation of the (Bengal, Madras or Bombay) Presidency, besides having gained some general acquaintance with the organization and nature of the duties of all branches of the Army serving in (Bengal, Madras or Bombay.)

I further certify that during the period Lieutenant has served with this Regiment, he has been attentive to his duty, and that his conduct has been in all respects unexceptionable.

Commdg. *Regiment.*

Station and date.

Surgeon's Certificate.

I certify that, to the best of my belief, Lieutenant is in good bodily health, *has good eye-sight*, and is apparently well capable of undergoing the vicissitudes of service in India.

Surgeon *Regiment.*

Station and date.

ORDER, No. 2818, 21st July 1868.

Communicated, through the Revenue Department, to the Superintendent Revenue Survey, for any observations he may desire to offer, with reference to Proceedings of Government, 1st July 1868, No. 2586.

(True Extract.)

H. Marshall *Major General,*

Secretary to Government.

To the Revenue Department. Write 20 spare Copies.
" Adjutant General.
" Controller of Military Accounts.

Exd. J. E. Cashart.

Revenue 1868. Dept.
Dr. of Customs Duty
No. 2488.

Proceedings of the
Grand Judiciary
Department

Dated 21st July 1868
Received 24th "
No. 2818.

Returned
Copies to the Supt. of Rev.
Survey, through the Revenue
Dept. for information
& the examination
& consideration of the
Auditor Genl.

Dated 30th July 1868

Revenue Survey
No. 2055.

Committed to the Supt. of the
Revenue Survey
30 July/68.

List &c

13 Copies to the Supt of Rev. Survey with Ors. in D.O. 2818 Dept. 31
13
13

Pro. 1 July 1868. Nos 83-84

Transmitted Revenue
Survey Report
for Chittagong
Pro. Civil Secretary
30 September 1868

A. 6694470