M.R.O. 14-5,450—22-10-25.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 482 Press Mis.

394-395

Dated 27—2—1867.

Not to be folded or roughly handled

No. 394. Read the following letter from the Superintendent of Revenue Survey, to the Secretary to Government, Revenue Department, Fort Saint George, dated Chepauk, 12th February 1867, No. 276-10 :—

1. I have the honor to state that on the 23rd August 1865, the Government, when passing an order appointing two Officers as Probationary Assistants in the Revenue Survey, observed that these Officers had not passed an examination in Surveying, and directed that, in future, none but Officers or others who had passed should be recommended for appointment. At the same time the Government directed that all Assistants, who had not passed in Surveying, and who had not been more than a year in the department, should be called on to pass within the next six months, and expected to receive an assurance that those of longer standing, and who had not passed an examination, were thoroughly qualified.

No. 1,972.

2. On the 4th October 1865, Major Hessey, Acting Superintendent Revenue Survey, addressed you on the subject, and explained that there was a test in force for probationers, that those Officers and others who had been more than a year in the department were fully qualified, but they did not bear the prefix "Surv." to their names in the Army List, because the Superintendent of Survey had not by any G. O. been authorized to give certificates to Officers.

3. I enclose an Order passed by Government on the 3rd July 1862, on the subject of Officers seeking to enter the Revenue Survey Department. This Order has been acted up to, and probationers have been called on to go through a practical course* of office and field work, which necessitates acquaintance with all the subject touched on in that Order.

No. 1,448.

* Copy appended.

4. I beg respectfully to point out that neither the Police, the Forest Department, nor the various Commissions require a special test for the appointment of a Probationary Assistant. The Survey is but a small department compared to the Police, there being only eleven Military Officers employed in the former, and sixty in the latter.

5. It is thus worth a young Officer's while to put down his name as a candidate for an appointment in the Police, in which there are frequent vacancies, and to enter which no examination has to be passed; but it is not worth while to go to the expense of living in Madras, and obtaining a certificate from the Civil Engineering College, merely on the chance of obtaining an appointment in the Survey.

6. Narrowing the field of selection for a department like the Survey, in which ordinarily few vacancies occur, and leaving a large department like the Police unfettered, shuts the Survey almost altogether out of the field; I earnestly request, therefore, that Government may see fit to place the Revenue Survey on an equality with the other departments referred to, by ordering the test examination at the Civil Engineering College to be passed by Assistants before being permanently appointed to the department, instead of before being appointed probationers. The course gone through by an Officer on probation, it will be observed, is comprehensive

and practical. Having passed through it, he can have no difficulty in passing the Civil Engineering College Test.

7. By a list,* of twenty-six† Officers eligible for recommendation to appointments in the Survey, just received from the Principal Civil Engineering College, I find that five are already in the Survey, five are absent in Europe, eleven are already employed elsewhere, and that selection must necessarily be made from four Officers, of whom only one, an Officer of Artillery, is at hand, the others being at Mangalore, Cannanore, and Mysore. I can thus learn but little of their physical qualifications, nor can I see them personally, which I think highly desirable, when selection for special duties is required, though perhaps not absolutely indispensable.

* Copy, with remarks, appended.
† One deceased.

8. Not a single individual in this list has applied to enter the Survey Department, and I cannot believe that it is the desire of Government that I should write to each of these Officers, as yet unemployed, soliciting him, irrespective of his other qualifications, to accept employment in the department. I may mention that to one of them, whom I consider eligible, I have written, offering to recommend him for the post of Assistant, but have not yet received his reply.

No. 395. ORDER THEREON, 27th February 1867, No. 482.

Miscellaneous.

1. On the above representation, the Government resolve to modify their Order of 23rd August 1865, No. 1,972.

2. Appointments will hereafter be made to the Survey Department for one year on probation in the cases of Officers and others not holding a certificate of qualification in Surveying from the Civil Engineering College, at the expiration of which period they will be required to pass the test examination before confirmation in the department.

(True Extract.)

(Signed) W. HUDLESTON,
Secretary to Government.

To the Superintendent of Revenue Survey.
,, the Accountant General.
,, the Educational Department.

Exd. S. T. Augustin.

COURSE TO BE GONE THROUGH BY A PROBATIONARY ASSISTANT.

OFFICE WORK.

1. The method of setting up traverses, correcting them, working bearings, working traverses, correcting working, working plotting lines, calculating area.
2. Setting up Khandams and minor circuits, method of working them.
3. (Plotting Village Boundary). Finding place of commencement of plotting, laying out squares, plotting traverse, plotting off-sets. Plotting Khandams and minor circuits with off-sets.
4. Comparing the boundary as plotted with the demarcation sketch and the Ameen's plan.
5. Plotting fields (one Khandam at least to be gone through.)
6. Testing the plotting in Office.
7. Correcting after testing.
8. Correcting after testing in field.
9. Final test of map.
10. Use of computing scale in calculating areas of fields and small traverses, method of recording areas.
11. Use of computing scale in calculating off-sets.
12. Method of closing a village and comparison of field area.
13. Finishing a map.
14. Setting up a main circuit with its interior villages.
15. Plotting a main circuit and a few of its villages.
16. Reducing maps from 16 to 2 inches.
17. Tracing them in map and drawing Taluk map.
18. Connecting work of the Revenue Survey with G. T. points and comparison of work.
19. Method of working an observation of the sun for azimuth and time.
20. Computing sides of triangles of Trigonometrical Survey and plotting the same.
21. A Probationer must also make himself acquainted with all the books kept in the Office with the mode of preparing returns of all kinds with the standing orders for thedifferent grades, and with the general routine of office.

FIELD WORK.

1. Surveying the boundary of a village with Theodolite and taking off-sets.
2. Surveying Khandams with off-sets.
3. Surveying detached traverses of waste land.
4. Measuring the fields of a Khandam by Khusrah method.

chains be found to have stretched, have them immediately corrected. The amount of the correction should be entered in the field book.

22. In order that the villagers may have no excuse for non-attendance the Ameen shall at the close of each day give the Kurnum a list of the properties he proposes to measure the next day. The owners of the properties will then receive due notice.

23. An Ameen will not correspond direct with the Civil authorities. Any complaint he may find it necessary to make should always be addressed to the officer under whose charge he is.

24. Ameens will receive an allowance of 1 Rupee for 100 acres correctly measured.

25. The Deputy Superintendent will after a village has been plotted decide how much of that sum the Ameen is entitled to. In the case of the work being very bad, the Ameen will in addition to other punishment that may be awarded forfeit the whole of his allowance.

Exd. S. T. Augustin.

5. Testing in the field.

6. Inserting topographical details in villages divided into fields (by chain only).

7. Inserting topographical details in waste land with compass and chain.

8. Sketching hills with plane table.

9. Connecting work with G. T. points.

10. Taking an observation of the sun.

11. Measuring a base line and fixing a few points trigonometrically.

12. Filling in one or two trigonometrical triangles with the plane table.

13. A Probationer must also make himself acquainted with the construction and adjustment of the various pattern Theodolites and other instruments used in the Survey.

Encl. to Rev. Dept. Letter No. 2146 dated 12th June 1862.

a letter to the Govt. Rev. Dept.

to Govt. Rev. Dept.

dated 12 June 1862.

No. 2146/10

Rev. 273/62

Exd. S. T. Augustin.

Revenue Department.

Proceedings of the Madras Government.

Read the following letter from Major F. J. B. Priestley, Superintendent of Revenue Survey, to I. D. Sim, Esq., Secretary to Government, Revenue Department, Fort Saint George, dated Chepduk, 4th June 1862, No. 218.—

Sir,

In obedience to the Order of Government dated 2nd April 1862, No. 729, I have the honor to submit my opinion as to the test Military Officers seeking employment in the Revenue Survey Department should pass.

Queries communicated in G. O. dated 2nd April 1862, No. 729, and replies thereto.

1st. What period of probation should be required?

One year.

2nd. What should be the nature (subjects) of examinations, and what the degree of proficiency in them to be required?

Trigonometry (plane), Logarithmic calculations, Surveying (especially by Salzmeshod adopted in the Indian Revenue Surveys) including plotting, Computation of Contents, levelling and hill sketching, with plane table a thorough practical knowledge of instruments.

3rd. By what mode of examination would this proficiency be best ascertained?

Partly by examination papers and partly by practical test.

4th. Who should be the Examiners?

Three District Engineer or Survey Officers.

5th. What arrangements could be made to afford sufficient facilities to Officers for being examined, and yet ensure as far as possible equality of standard in the examinations?

The preparation and issue of examination papers from the Central Survey Office to the districts in which examinations are to be held.

6th. What arrangements should be made to afford candidates opportunities of attaining the knowledge required from them?

No special arrangements seem necessary, any that may be required can be made by the District Survey Officers.

Revenue Survey Office
Chepduk
4th June 1862

(Signed) F. J. B. Priestley, Major
Superintendent Rev. Survey

Order thereon, 3rd July 1862, No. 1,448.

The test proposed by Major Priestley is approved, with the addition of a good knowledge of the Vernacular of the District in which the Officer is employed. The test should be that prescribed for the Officers of the Mofussil Police in G. O. 13th November 1861, No. 3,372, Judicial Department.

Reading and translating an original native letter of moderate difficulty and conversing fluently with natives on ordinary subjects

(True Extract)

(Signed) A. J. Arbuthnot.
Acting Chief Secretary

To the Director of Revenue Settlement.
" Superintendent of Revenue Survey.
" Board of Revenue.
" Military Department.
" Public Department.

Encl: one A: I ii a

Ellis's the Secretary to Govt
Rev Dept dated 12th Feb/67

A—276/10

Recd 3/3/67.

List of Officers who have passed the Examination in Surveying and obtained Certificates on dates opposite their names.

		Remarks by the Superintendent Rev Survey.
	Lieutenant C. C. Saxton 20th Bde R.A. 9th May 1863	Appointment offered.
	Captain J. V. Morris 18th Regt N. I. 30th " "	Enquiries being made.
	" R. A. Clementson 22nd Regt N. I. " " "	Europe.
	" W. Kincaid 22nd Regt N. I " " "	Employed Political Dept.
5	" C. A. Graeme 102nd Regt Foot " " "	Europe.
	Lieutenant F. B. Boone 6th Regt N. I. " " "	It is believed left Dept. Police from feeble health.
	" F. H. Matthias doing duty 15th Regt N. I. " "	Employed Sappers & Miners.
	" G. A. Young 52nd Regt N. I. " " "	Employed Commissariat
	" N. Alexander 22nd Regt N. I. " " "	Deceased
10	" D. F. Hatchell 34th Regt N. I. " " "	Employed Political Dept.
	" J. Ewing A. D. C. to General 3rd June /63	Europe.
	" C. S. Berkeley Adjt. H. C. the Genl Body Gds.	Employed Commissariat
	" Cumming late 46th Regt N. I. 4th Dec. 3rd July/63	Europe.
	" C. Shaw 10th Regt N. I. " " "	Employed Mysore Commission
15	" R. F. Dobbs doing duty 4th Regt N. I. 29th " "	Employed Hyderabad Contg.
	" C. J. Johnston doing duty 4th Regt N. I. " " "	From personal acquaintance I do not consider him fit.
	" C. C. Hewetson late 49th Regt N. I. 6th Janr /64.	Employed Adjt. Dr. Master
	" Freeth. R. A. 13th June 1864	Employed in Survey Pulveram
	" Pusey 76th Regiment 3rd December 1864	Europe.
20	" Shanklyne doing duty 2nd Regt N. I. 2nd Feb/65	Probationery Appt. Rev Survey
	Captain W. Baude Dy Adjt. Dr. Master Genl. Southern Division 3rd Jany/66	Employed in the Dr. Master General's Department.
	" J. F. Sherman 27th Grenadier 23rd Feb/66	Employed in Survey.
	Lieutenant R. W. Clerke Genl List 23rd Feb/66	Employed in Survey.
	" H. O. Graham Staff Corps 13th March/66	Employed in Survey.
	Major B. Deane H. M. 19th Foot 19th Sept. /66.	Employed in Dr. Master Genl's Dept.
26	Captain N. C. Meeham Dy Adjutant Dr. Master General Mysore Division 25th Sept/66.	Employed in Dr. Master Genl's Department.

Revenue Survey Office
Chepauk
12th February 1867.

Signed W. H. Edgcome Captain R.E.
Print'd C. Ed.
True Copy
Chepauk
11th February 1867

Lieut Colonel
Superintendent Rev Survey

Enclosure to III in a
letter to the Secretary to
Government Rev. Dept.
Dated 12th February 1867
No 276/10.

Rev - 373/67.

Fwd - 27th February 67 No 394