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Educational (1902) Department.

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ORIGINAL

[Despatch Abstract.]

Public Service Notification

Accepting the recommendation of the
Board of Revenue regarding the qualifications
to be prescribed for the appt of minor
irrigation maistries & making the necessary
alterations in the—

N

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ORIGINAL

G.O., No. 55, 4th February 1902.

FEBRUARY.

Public Service Notification.

Accepting the recommendation of the Board of Revenue regarding the qualification to be prescribed for the appointment of minor irrigation maistries and making the necessary alterations in the — .

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

Read—the following Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), Mis. No. 6017, dated 7th November 1901:—

Mr. J. N. ATKINSON, I.C.S.

Read—again the following Proceedings of the Board of Revenue (Revenue Settlement, Land Records and Agriculture), Mis. No. 5067, dated 24th September 1901:—

Read—the following:—

Board's Proceedings, No. 810, dated 18th February 1901;

" " 1126, " 2nd March 1901;

" " 1703, " 3rd April 1901; and

" " 1874, " 15th April 1901;

recording reports on qualifications required for minor irrigation maistry's post, from R. H. Shipley, Esq., I.C.S., R. C. C. Carr, Esq., I.C.S., A. Butterworth, Esq., I.C.S., Muhammad Raza Khan, Esq., Collectors of Trichinopoly, Bellary, Nellore and Kurnool, respectively.

Read—also similar report from R. MORRIS, Esq., I.C.S., Collector of Kistna, dated 27th August 1901, Disposal No. 3151-Genl.

Resolution—Mis. No. 5067, dated 24th September 1901.

Referring to an addendum to the Public Service notification published at page 539 of the *Fort St. George Gazette*, dated 2nd October 1900, prescribing the qualification for the appointment of minor irrigation maistry, the Principal of the College of Civil Engineering, Madras, observed in paragraph 2 of his letter, No. 2116-C., dated 23rd November 1900, that the addendum was not referred to him prior to the publication, or he should have pointed out that the course in the artizan class of his college does not qualify a man for a maistry's post, but that the omission was, however, a matter of no great importance as the artizan class was about to be abolished and the notification must therefore lapse. The Chief Engineer for Irrigation, at whose suggestion the qualification referred to was prescribed, was requested again in paragraph 2 of Board's Proceedings, No. 174, dated 15th January 1901, to state what qualifications he would recommend for the post of a minor irrigation maistry in the event of the artizan class of the College of Engineering being abolished. He stated in reply that he was unable to recommend any special test and that the Collectors might be allowed

discretionary powers in making appointments, as the selection and appointment of men for the post would rest with them. The Principal, College of Engineering, who was addressed on the subject, suggested that the qualifications required would perhaps be best defined by Collectors and added that if that suggestion did not commend itself to the Board, he would express an opinion on being furnished with a list of the duties of a minor irrigation maistry.

District.	Number of maistries employed.
Kistna	1
Bellary	1
Kurnool	2
Nellore	2
Trichinopoly	1
Total	7

2. As the Board had no information on the point, the Collectors of the marginally-noted five districts, in which maistries are employed, were requested to report what qualifications they would recommend.

3. The replies received are tabulated in the following statement:—

District.	Nature of the duties which a minor irrigation maistry has to perform.	Qualifications recommended (examinations).	Special knowledge required.	Training recommended.
Kistna ..		If an examination qualification is deemed necessary, the Collector suggests a pass in the elementary grade of the Government Technical examination in levelling and surveying, building drawing and estimating and mensuration.	The candidate for the post should have a practical experience on works. He should be able to read and write and know simple arithmetic.	
Kurnool ..	Maistries help the minor irrigation overseers and sub-overseers in (1) Investigation of projects, (2) taking of levels, and (3) preparation of plans and estimates. The duties which they are independently required to do are (a) to mark the work to be executed with reference to the plan; (b) to inspect the work during execution and see that it is done in accordance with the plan and estimate; (c) to point out to the contractors any mistake which they may commit and get them rectified; (d) to measure up the work done by the contractors and to check it with the estimates; and (e) to devise and carry out urgent repairs to prevent or close breaches in tank bunds.		Candidates for the post should possess the knowledge of the undermentioned subjects: (1) arithmetic, (2) elements of mensuration, (3) elements of geometry, (4) elements of levelling, (5) elements of engineering, (6) plan drawing, (7) building materials and construction. They should also be able to read and write English and the district vernacular fairly well.	
Bellary ..		If the training suggested by the Collector (<i>vide</i> column 5 of the statement) is not possible, he considers that the candidate should be required to pass the elementary grade of the Government Technical examination in (1) mensuration, (2) building materials and construction, (3) plan drawing and estimating, (4) surveying and (5) hydraulics and irrigation works.		The candidate for the post should be required to undergo training in the special classes opened by the Consulting Architect to Government. The Collector thinks that a short course of practical training is indispensable and recommends that special arrangements may be made for the instruction and training of candidates for at least six months in the class opened by the Consulting Architect.

District.	Nature of the duties which a minor irrigation maistry has to perform.	Qualifications recommended (examinations).	Special knowledge required.	Training recommended.
Nellore ..	(1) Carrying out the earth and measuring works, the measurements of which have been previously marked by the minor irrigation overseer or sub-overseer; (2) watching the progress of works and explaining to the contractors concerned the measurements or the instructions which he may have received from the overseer.		The Collector recommends that minor irrigation maistries should be required to possess a thorough knowledge of arithmetic and the elements of (1) surveying and levelling, (2) mensuration, (3) building materials and construction, (4) plan drawing.	
Trichinopoly.		The Collector states that agricultural students who have passed in agricultural engineering, surveying and levelling in the Agricultural College or men who have passed in plan drawing, estimating, surveying and levelling in technical schools may be declared to be qualified for the post.		

As the foregoing statement shows that Collectors are not agreed as to the qualifications required, the Board requests that the Chief Engineer for Irrigation and the Principal, College of Engineering, will, in consultation with each other, favour the Board with an expression of their views on the subject.

(True Extract.)

(Signed)

R. V. SRINIVASIAH,

Secretary.

To the Chief Engineer for Irrigation, with statement.

Principal, College of Engineering, with statement.

Read—also the following letter from Colonel A. W. SMART, R.E., Chief Engineer for Irrigation, Tank Restoration Scheme, to the Secretary to the Commissioner of Revenue Settlement and Director of the Department of Land Records and Agriculture, dated 29th October 1901, No. 2483-T.:

Adverting to Board's Proceedings, Mis. No. 5067, dated 24th September 1901, I have the honour to forward herewith a copy of letter No. 1321-C., dated 18th October 1901, received from the Principal, College of Engineering, Madras, with reference to the Proceedings of the Board of Revenue quoted above sent to him, and to state that I agree with the Principal that the three alternative qualifications prescribed in his letter are suitable as qualifying tests for minor irrigation maistries. But, I consider that Collectors should have discretionary power to appoint men not so qualified, if after advertisement, they cannot secure the services of qualified men.

ENCLOSURE.

From Lieutenant-Colonel H. D. LOVE, R.E., Principal, College of Engineering, Madras, to the Chief Engineer for Irrigation, dated 18th October 1901, No. 1321-C.

Referring to paragraph 3 of Proceedings of the Board of Revenue, Mis. No. 5067, dated 24th September 1901 (put up herewith for reference), I have the honour to state that in my

opinion the possession of the following alternative qualifications may be deemed to qualify the possessor for appointment as a minor irrigation maistry:—

- (1) A pass from the College of Engineering as sub-overseer or surveyor.
- (2) A pass from the Agricultural College in agricultural engineering and surveying.
- (3) A pass in the Government Technical examinations in all the following subjects:—
 - (a) Mensuration, elementary stage.
 - (b) Building construction, intermediate stage.
 - (c) Plan drawing and estimating, elementary stage.
 - (d) Surveying and levelling, intermediate stage.

2. The pay of a minor irrigation maistry, viz., Rs. 20, is not likely to attract persons possessing qualifications (1) and (2); but this does not seem to be a sufficient reason for excluding such persons.

3. The syllabuses (a), (b), (c) and (d) will be found in the volume sent herewith. The syllabuses in (2) are enclosed.

4. The early return of all enclosures is requested.

Resolution—Mis. No. 6017, dated 7th November 1901.

The papers read above will be submitted for the orders of Government.

2. In its order No. 212, Educational, dated 21st May 1900, Government approved the Board's recommendation in paragraph 3 of its Proceedings, No. 1770, dated 9th April 1900, that in appointing men to the post of minor irrigation maistry, the Chief Engineer's suggestion that preference should be given to candidates who possess a certificate of having passed through the artizan class of the College of Engineering, or to Agricultural students, who have passed in agricultural engineering, surveying and levelling, might be accepted and embodied in the Public Service notification. An addendum to the Public Service notification was accordingly published at page 539 of the *Fort St. George Gazette*, dated 2nd October 1900. Referring to this notification, the Principal of the College of Engineering, Madras, observed that the addendum had not been referred to him prior to the publication, or he should have pointed out that the course in the artizan class of his college does not qualify a man for a maistry's post, but that the omission was a matter of no great importance, as the artizan class was about to be abolished, and the notification must therefore lapse. The Chief Engineer, who was requested to state what qualification he would recommend for the post, in the event of the artizan class of the College of Civil Engineering being abolished, replied that he was unable to recommend any special test, and that the Collectors might be allowed discretionary powers in making appointments, as the selection and appointment of men for that post would rest with them. The Principal, College of Engineering, who was also addressed on the subject, suggested that the qualifications required would perhaps be best defined by Collectors, and added that if that suggestion did not commend itself to the Board, he would express an opinion on being furnished with a list of the duties of a minor irrigation maistry. Finding that the Collectors of the marginally-noted districts, to whom a reference was made on the subject, were not agreed as to the qualifications required, the Board requested the Chief Engineer for Irrigation and the Principal, College of Civil Engineering, to favour the Board, in consultation with each other, with an expression of their views on the subject.

3. With his letter read above, the Chief Engineer forwards a copy of the letter from the Principal, College of Engineering, in which that officer states that the possession of the following alternative qualifications may be deemed to qualify a candidate for appointment as a minor irrigation maistry:—

- (1) A pass from the College of Engineering as sub-overseer or surveyor.
- (2) A pass from the Agricultural College in agricultural engineering and surveying.

(3) A pass in the Government Technical Examinations in all the following subjects:—

- (a) Mensuration, elementary stage.
- (b) Building construction, intermediate stage.
- (c) Plan drawing and estimating, elementary stage.
- (d) Surveying and levelling, intermediate stage.

The Chief Engineer agrees with the Principal that the three alternative qualifications prescribed in his letter are suitable as qualifying tests for minor irrigation maistries, but thinks that Collectors should have discretionary power to appoint men not so qualified, if after advertisement they cannot secure the services of qualified men.

The Board recommends that the qualifications recommended by the Principal, College of Civil Engineering, may be accepted and embodied in the Public Service notification, in lieu of the notification published at page 539 of the *Fort St. George Gazette*, dated 2nd October 1900.

(True Copy and Extract.)

R. V. SRINIVASAR,
Acting Secretary.

To the Secretary to Government, Revenue Department.

ORDER - No. 55, Educational, dated 4th February 1902.

The Board's recommendation is accepted, and for article 3 (16) of the public service notification the following will be substituted, namely:—

"(16) *Appointments of minor irrigation maistries in the Revenue department.*—Preference shall be given to candidates who have passed the examinations prescribed for the sub-overseer and surveyor class in the College of Engineering, to agricultural students who have passed in agricultural engineering and surveying, and to those who have passed the Government technical examinations in mensuration (elementary), building construction (intermediate), plan drawing and estimating (elementary) and surveying and levelling (intermediate)."

(True Extract.)

Assistant Secretary to Government.

To the Revenue Department.
" Commissioner for Government Examinations.
Gazette.

Ed A. F. Eccleston.

NOTES CONNECTED WITH G.O., No. 55, EDUCATIONAL,
DATED 4TH FEBRUARY 1902.

REVENUE DEPARTMENT.

[SUBJECT.—*Qualifications for the post of a minor irrigation maistry.*]

From the Board of Revenue, Revenue settlement, No. 6017, dated 7th November 1901.

To Under Secretary—

The facts are set out in the Board's Proceedings (current).

Article 3 (16) of the Public Service notification laying down that, in appointing minor irrigation maistries, preference shall be given to persons who have had a course in the artizan class of the College of Engineering or to agricultural students who have passed in agricultural engineering, surveying and levelling was inserted in October 1900 at the instance of the Chief Engineer for Irrigation. The Principal of the College of Engineering since pointed out to the Board (*vide* his letter, dated 23rd November 1900, in G.O., No. 134, Educational, dated 8th March 1901) that a course in the artizan class did not qualify a man for the maistry's place and has now suggested in consultation with the Chief Engineer for Irrigation and after a study of the opinions given by certain Collectors three alternative qualifications for the place. The Chief Engineer for Irrigation accepts Lieutenant-Colonel Love's suggestions and adds that Collectors should have a discretionary power to appoint men not so qualified, if after advertisement they could not secure qualified men. The alternative qualifications are—

- (1) A pass from the College of Engineering as sub-overseer or surveyor.
- (2) A pass from the Agricultural College in agricultural engineering and surveying.
- (3) A pass in the Government Technical examinations in all the following subjects:—
 - (a) Mensuration (elementary).
 - (b) Building construction (intermediate).
 - (c) Plan-drawing and estimating (elementary).
 - (d) Surveying and levelling (intermediate).

The Board recommends that these may be embodied in the Public Service notification in lieu of the original notification, article 3 (16).

2. Qualification No. (1) has already been prescribed for a minor irrigation sub-overseer, and No. (2) for a maistry in article 3 (16) of the Public Service notification which includes also *levelling*.
G.O., No. 134, Educational, dated 8th March 1901.

3. The proposals may be approved and Educational may be asked to insert it in article 3 (16) of the Public Service notification.

R. SWAMINATHA AIYAR.
14-12-01.

Secretary—

For orders. There seems to be no objection to approving the proposals. The Principal of the College of Engineering notes, however, that the pay of a minor irrigation maistry being only Rs. 20 is not likely to attract men possessing qualifications Nos. (1) and (2).

E. S. LLOYD.
16-12-01.

Yes. The proposals seem right.

M. HAMMICK.
20-12-01.

To Educational u.o.

EDUCATIONAL DEPARTMENT.

It seems necessary that the following points should be considered before the Public Service notification is amended.

2. As regards qualification (2) it will be observed that there is no examination in surveying alone for the students of the College of Agriculture, but there is one in surveying and levelling—*vide* page 74 of the calendar for Government examinations. The Principal of the College of Engineering and the Board of Revenue recommend that preference should be given, among others, to those who pass in surveying, but there is no examination by passing which candidates can claim this preference.

3. Qualification (3) appears to be somewhat high. Even if that is not the case, it is unlikely that candidates can be found who have passed all these four examinations. In view of this circumstance and of the fact that qualifications (1) and (2) are the same as those laid down for the post of minor irrigation sub-overseer (*vide* page 6 of the Public Service notification) it is for consideration whether it will not simplify matters if the following were substituted for the second sentence of article 3 (16) of the Public Service notification:—

“Preference shall be given to candidates who possess the qualifications prescribed in Schedule B of this notification for the post of minor irrigation sub-overseer.”

T. KANAKASUNDARAM PILLAI.
23-12-01.

Revenue may perhaps be consulted on this point.

P. T. THARYAN.
7-1-02.

Secretary—

We may ask Revenue for opinion.

A. T. PRINGLE.
7-1-02.

A | Why do you say qualification (3) is high? Is it higher than (1) or (2)?
B | Apparently Colonel Love thinks it is not. Why do you say it is not likely that candidates will be found who have passed the tests in qualification (3)?

C. J. WEIR.
7-1-02.

With reference to the Secretary's query at A it is submitted that (3) is higher than (1) or (2) in this way; (1) and (2) are more or less school examinations and candidates are specially prepared for them; (3) consists of public examinations only and there is no institution in which candidates are specially prepared for them; (3) must, therefore, it is submitted, be considered a more difficult qualification than (1) or (2) for neither of which mensuration forms one of the subjects.

As regards the query at B it is submitted that Indian candidates appear for examinations with some end in view and not merely for the acquisition of knowledge. As these examinations have not been prescribed for any particular post as yet there will hardly be any one who has passed them. Moreover a course in the College of Engineering or other technical institution will be necessary to enable any one to pass them. Students who can take this course will naturally prefer to go in for the sub-overseer's test or so.

P. T. THARYAN.
8-1-02.

Exactly.

A. T. PRINGLE.
8-1-02.

There does not seem to be much use in retaining item (3) in qualifications which will secure preference, but I can see no real objection to doing so.

C. J. WEIR.
9-1-02.

I understand that the Secretary does not agree with the views we have taken in the notes. The Public Service notification should therefore be amended as proposed in Mr. Lloyd's note of the 16th ultimo.

2. Please draft accordingly, printing up.

A. T. PRINGLE.
9-1-02.

The draft placed below may issue with the concurrence of the Revenue department.

T. KANAKASUNDARAM PILLAI.
22-1-02.

P. T. THARYAN.
22-1-02.

Will Revenue department accept the draft?

A. T. PRINGLE.
22-1-02.

I did not disagree with the view taken in notes in this department. Revenue department had better see those notes first.

C. J. WEIR.
23-1-02.

Revenue u.o.

REVENUE DEPARTMENT.

To Under Secretary—

The notes *supra* relate to the question of the qualifications to be prescribed for appointment to the post of minor irrigation maistry. The qualifications proposed to be prescribed are detailed on page 1 *supra*, but it is pointed out in the Educational department note that qualification (3) is somewhat high, that it is not likely that candidates can be found who have passed all the four examinations required, and that as qualifications (1) and (2) are the same as those prescribed for minor irrigation sub-overseer it will be sufficient if it is notified that, in appointing minor irrigation maistries, preference shall be given to men who are qualified by one of these two tests. Orders are solicited. There appears to be no harm in having a third alternative qualification, especially when the qualifications prescribed are not *necessary* tests, but will only give preference in securing an appointment.

EDUCATIONAL DEPARTMENT.

Secretary—

N. E. MARJORIBANKS.
27-1-02.

No objection.

M. HAMMICK.
31-1-02.

To Educational u.o.

EDUCATIONAL DEPARTMENT

The draft may now issue.

P. T. THARYAN.
1-2-02.

Secretary—

Will the Secretary accept the draft? The Revenue Secretary has done so.

A. T. PRINGLE.
3-2-02.

Yes.

C. J. WEIR.
3-2-02.

READ AGAIN G.O., No. 476, dated 27th September 1900

” ” ” ” ” ” 190

READ ALSO :—

C. No., From the Bd of Rev. (Rev. Sells) ..., No. 6017, dated 7th November 1901

” ” ” ” ” ” ” ” 190

22 "....." " " , " , " 190

ORDER No. 55, dated 4-2- 1902.
P.S. _____

P. S.

The Board's recommendation is accepted and for article 3(16) of the public service notifications the following will be substituted, namely:—

"(16) Appointments of minor irrigation ~~officers~~ ^{maistries} in the Revenue department. Preference shall be given to candidates who have passed the examinations prescribed for the ~~sub-officer~~ ^{(in the} and surveyor class, ^{College of Engg} to agricultural students who have passed in agricultural engineering and surveying, and to those who have

have passed the Govt. technical examinations in (mensuration) (elementary) (building construction) (intermediate) plan drawing and estimating (elementary) (and surveying and levelling (intermediate))."

PH
22/1/22
22.1.22
7/4
22.1.22
80/5
3.2.02

The Board of Examiners have
is required and for notice 21/1/22
of the public service examination
the following will be submitted
— :
(1) Appointment of members
investigative committee in the
Revenue Department. Reference
shall be given to candidates
who have passed the examinations
for the sub-division
of survey class (class of 1st)
to agricultural students who have
passed in agricultural engineering
and surveying and 1st class

stb

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stb

stb

29

To The Rev. Secy. 15/2
- C.E.E.
- Vargille

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READ AGAIN G.O., No.
190

CURRENT No.

ENCLOSURES TO G.O. No.

ORDER OF GOVERNMENT.

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

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