Educational (1898) Department.

ORDINARY.

G.O. No. 530

DATED 22-8-98

145-45

[Despatch Abstract.]

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Educational (1898) Department.

ORDINARY PRINTED.

G.O.; No. 530

DATED 22-8-98

[Despatch Abstract.]

College of Engineering. ——————

Approving subject to certain modifications, the revised Rules of the — submitted by the Director of Public Instruction.

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Government {1898} of Madras.

EDUCATIONAL.

Recd. / *Regd.* — 1898. — *Enclosures* / *Spare copies*

G.O., No. 530, 22nd August 1898.

AUGUST.

College of Engineering.

Approving, subject to certain modifications, the revised rules of the — submitted by the Director of Public Instruction.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

Read—the following papers :—

Memorandum of the Public Works Department, dated Madras, 4th February 1897, No. 701 C.

Read—the following letter from the Honourable Mr. D. DUNCAN, M.A., D.Sc., LL.D., Director of Public Instruction, to the Secretary to Government, Local and Municipal Department (through the Chief Engineer), dated Madras, 19th December 1896, No. 13764 :—

I have the honour to submit the revised draft of the rules of the College of Engineering for the sanction of Government. The existing rules are given in parallel columns for the purposes of comparison and I have explained all the important variations in the last column.

2. In the scheme for the reorganization of the Educational Department sanctioned by the Secretary of State, three professorships have been transferred from the graded to the Provincial Service. As professorships are attached only to the Presidency College and the College of Engineering, clause (iii) of Article III has been so worded as to allow of one of the Professors of the College of Engineering, viz., the Professor of Mathematics, being an officer of the Indian Educational Service or the Provincial Educational Service. Major Love considers that both the Professors should be of the Indian Educational Service. But this would handicap the Presidency College permanently ; there is moreover no reason to suppose that officers possessing the necessary qualifications for the post of Professor of Mathematics, in the College of Engineering, cannot be found from among the members of the Provincial Educational Service. The standard of mathematics required for the degree of Bachelor of Engineering is not so high as that required for the degree of Bachelor of Arts.

3. Article V has been revised with reference to the revised syllabus sanctioned by Government in its Order, No. 444, Educational, dated 22nd July 1896. In my letter read in the above Government order a qualifying minimum was proposed for the Engineer class in the subjects of mathematics, engineering and drawing. The Principal considers that surveying is an equally important subject. Such a minimum will be required in that subject also. As science is also considered an important subject, a fourth of the marks assigned to the subject may be prescribed as a qualifying minimum as under the existing rules. On the recommendation of the Principal, the two subjects of geometrical and perspective drawing and freehand and model drawing under the draftsman class have been combined into one subject.

4. Drawing has been added to the subjects of the entrance tests prescribed for the Engineer and Engineer subordinate classes. The subject now forms part of the entrance test for the surveyor and draftsman classes. Drawing is taught in all the upper secondary schools as a compulsory subject of instruction.

5. The monthly rate of fees for the sub-overseer and surveyor class has been raised from Rs. 4 to Rs. 5, consequent on the reconstitution of the classes. In Article X, I have fixed the scale of term fees on the principle followed in the Fee notification in respect of Arts colleges, and any further reduction is unnecessary. The scale of examination fees has been revised and graduated with reference to the relative importance of the examinations, and with a view to make the final examination as nearly self-supporting as possible.

6. I have provided for the award of three Government scholarships in each class on a moderate scale. One of the scholarships in each class will be reserved for Muhammadans, Native Christians or Europeans, as special encouragement is needed for these classes to join the college. The rules for stipends in workshops are almost the same as those suggested in my letter, No. 12059, dated 9th November 1896.

Note by the Chief Engineer, Public Works Department, dated 1st February 1897.

The only remarks which the Chief Engineer has to offer on the revised rules of the College of Engineering submitted by the Director of Public Instruction, are the following :—

Article IX—Clause (i).—It would be well to insert here the age limit of 28 years, suggested in the Chief Engineer's note forwarded with P. W. No. 5053 C., dated 23rd December 1896, for soldiers desiring to enter the college.

Clause (v).—The sentence "other soldier students will compete with the civilian students for the remaining vacancies which are from time to time notified" should be omitted, with reference to the remarks in the Chief Engineer's note above quoted.

Article XVII—Clause (i).—After the words "B. E. degree examination of the Madras University," should be inserted "and fulfilled the conditions of paragraph 11, Chapter II, Vol. I, Public Works Code."

Clause (ii).—The words "are likely to be available" should be substituted for "will be available" in the second line of this clause.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Chief Engineer.

Memorandum—No. 701 C., dated 4th February 1897.

Forwarded to the Educational Department.

(Signed) D. McNEIL CAMPBELL, Colonel, R.E.,
Secretary.

From the Honourable Mr. D. DUNCAN, M.A., D.Sc., LL.D., Director of Public Instruction, to the Secretary to Government, Local and Municipal Department, dated Madras, 12th June 1897, No. 6260.

I have the honour to submit the draft revised paragraph 1335, Vol. II, Army Regulations, India, amended as directed in G.O., No. 177, Educational, dated 22nd March 1897. The alterations and additions carried out, which, for facility of reference, are underlined in red ink, call for but few remarks.

2. *Clause (d)*.—The portions marked in mathematics are identical with those prescribed at present for civil students.

Clause (e).—The clause "and question papers will be sent to Officers Commanding Regiments" has been struck out as unnecessary, similar provision having been made in clause (c).

Clause (1).—The Principal, College of Engineering, recommends that the amount of the monthly college allowance be raised from Rs. 10 to Rs. 11, as is the case at Roorkee. Major Love's reasons for proposing this increase will be seen from the following remarks of his :—

"As the rules are to be assimilated to those applying to Roorkee, there appears no reason for a difference in the rate of college allowance. Roorkee already possesses superior attractions in regard to guaranteed appointments, and it appears that the least that the Madras College can do is to equalise pecuniary inducements."

In these circumstances I have no objection to the increase referred to above, but I have not altered the figure in clause (1), pending the orders of Government.

Clause (q).—The alterations made in this clause are the result of the concession granted in G.O., No. 203, Educational, dated April 1897, to the soldier students of Madras in regard to appointments in the Public Works Department, Burma.

3. I beg to request that, when final orders have been passed on this letter, the necessary alterations may be made in the draft revised rules of the College of Engineering, Madras, now before Government.

Memorandum from the Public Works Department, dated 14th December 1897, No. 5424 C.

From the Honourable Mr. D. DUNCAN, M.A., D.Sc., LL.D., Director of Public Instruction, to the Secretary to Government, Educational Department (through the Chief Engineer, Public Works Department), dated Madras, 24th January 1898, No. 515.

I have the honour to request that the sanction of Government may be obtained for substituting the following sentence for the second sentence of Article XIV (*v*) of the draft revised rules of the College of Engineering now before Government:—

"Leave of absence in excess of one month shall involve loss of stipend, and the practical course shall be extended by a period equal to the excess over one month of the leave taken."

2. The rule as now amended fully embodies the instructions contained in paragraph 2 (6) of G.O., No. 560, Educational, dated 28th July 1892.

Endt. No. 634 C.

Forwarded.

The proposed amendment is in accordance with orders already issued by Government.

(Signed) W. B. deWINTON,
Ag. Chief Engineer.

3rd February 1898.

From the Honourable Mr. D. DUNCAN, M.A., D.Sc., LL.D., Director of Public Instruction, to the Secretary to Government, Educational Department (through the Chief Engineer, Public Works Department), dated Madras, 8th February 1898, No. 1204.

Under the rules relating to admission of candidates for the artizan class of the College of Engineering, each applicant is required to pay a registration fee of As. 8. The Principal has brought to notice that the majority of applications for this class are received from candidates who are not fully qualified for admission and who are tempted to make such applications on trial, either after the prescribed date or with a knowledge of their disqualification, under the impression that, should their applications be not registered, they can obtain a refund of the registration fee paid by them. Thus the object of the imposition of registration fees which was originally intended as a check against frivolous applications of this sort is frequently defeated. I therefore beg to suggest, as recommended by the Principal, that the registration fee be raised from As. 8 to Re. 1 and that it be ruled that the fee be ordered to be paid into some Government treasury, the treasury receipt being attached to the candidate's application and that a fee once paid should, on no account whatsoever, be refunded.

2. The registration fee has hitherto been generally sent to the Principal in the shape of private postage stamps which it has been found difficult to dispose of, and the payment of the fee into a treasury as suggested above will remove this difficulty.

3. Should my suggestions meet with the approval of Government, I beg to request that the following may be substituted for the last two sentences of Article VIII (5) (ii) of the draft revised rules of the College of Engineering already submitted to Government:—

"The fee for registration shall be Re. 1, which shall be paid into a Government treasury and which shall, on no account, be refunded. The treasury receipt should be attached to the application, which will be received by the Principal up to the first Monday in November."

Endt. No. 1031 C.

Forwarded.

2. The Chief Engineer has no objection to offer to the Director's proposal, but it would perhaps simplify matters if, instead of a treasury receipt, a court-fee label of Re. 1 were attached to each application.

(Signed) S. B. MURRAY,
Ag. Deputy Chief Engineer.

19*th February* 1898.

Order—No. 530, Educational, dated 22nd August 1898.

The revised rules of the College of Engineering submitted by the Director of Public Instruction are approved with the following modifications and remarks:—

2. (1) To Article I the following clause will be added:—

"(iii). The college will also provide technical instruction to maistries and artisans."

(2) *Article VIII* (5) (ii).—The Government agrees with the Director of Public Instruction that the fee for registration should be raised to one rupee, and the sentence reading "The fee for registration shall be 8 annas" will be altered as follows:—

"The fee for registration shall be one rupee, which shall be paid into a Government treasury, or be remitted by money order, and which shall on no account be refunded. The treasury receipt should be attached to the application, which will be received by the Principal up to the first Monday in November. If the payment be made by money order, particulars must be entered in the coupon to be retained by the payee."

(3) *Article IX.*—This article has been amplified so as to correspond with the revised paragraph 1335, Army Regulations, India, Vol. II, Part I, which the Director of Public Instruction was asked to revise in G.O., No. 177, Educational, dated 22nd March 1897. The revised draft of paragraph 1335 submitted by the Director of Public Instruction with his letter, dated 12th June 1897, is approved with the modification that the amount of the monthly college allowance will be raised from Rs. 10 to Rs. 11 as recommended by the Principal of the College of Engineering. Article IX of the revised rules will be altered in accordance with the revised paragraph.

(4) *Article X* (iii).—The Government considers that it is inadvisable to raise the scale of fees for the final examination in view of the fact that the students are generally poor and that it is proposed to raise the term fees for the sub-overseer and surveyor class. It should be considered whether, in order to make the examination as nearly self-supporting as possible, the Examiners' stipends cannot be reduced. The Director of Public Instruction will be requested to report on this point.

(5) *Article XIV* (v).—The amendment to the second sentence of clause V proposed by the Director of Public Instruction in his letter, dated 24th January 1898, is approved.

(6) *Article XVII.*—In clause (i) after the words "B. E. degree examination of the Madras University" should be inserted the words "and fulfilled the conditions of paragraph 11, Chapter II, Vol. I, Public Works Department Code."

In the second line of clause (ii) of the same article for the words "will be available" should be substituted the words "are likely to be available."

(7) *Article XXI* (ii).—With reference to G.O., No. 1858 W., dated 22nd July 1898, the first sentence of this clause will be amended as follows:—

"The practical course will extend over a complete year, and this period will be reckoned from the dates on which the students join their divisions."

In the second sentence of the same clause for the word "they" will be substituted the words "such students."

3. The alterations noted above will be carried out in the draft submitted by the Director of Public Instruction, which will be forwarded to the Superintendent, Government Press, for publication in the *Fort St. George Gazette.*

4. The revised rules shall come into effect from the 1st January 1899.

(True Extract.)

H. TREMENHEERE,
Secretary to Government.

To the Director of Public Instruction.
" Principal, College of Engineering.
" Public Works Department.
Gazette.

Rxd. A. F. Eccleston.

APPENDIX.

I.—RULES RELATING TO THE CONSTITUTION AND WORKING OF THE COLLEGE OF ENGINEERING, MADRAS.

Preamble.

Preamble.—The following code of rules relating to the constitution and working of the College of Engineering has been sanctioned by Government :—

Article I.—Object.

(i) The college, which is affiliated to the Madras University, affords theoretical and practical instruction in subjects qualifying for the professions and callings of Engineer, Engineer Subordinate Surveyor and Draftsman, in view of fitting them for employment in such capacities by Government, by local boards and municipalities, and by other agencies.

(ii) Students of the higher course in Engineering are, at the same time, prepared for the B.E. degree Examination of the Madras University.

(iii) The college will also provide technical instruction to maistries and artisans.

Article II.—Control.

The responsibility for the discipline and management of the college is vested in the Principal, under the control of the Director of Public Instruction.

Article III.—Staff.

(i) The staff shall consist of a Principal, a Professor of Engineering, a Professor of Mathematics, an Instructor in Surveying and Drawing, an Instructor in Engineering, and eleven Assistants.

(ii) Special lecturers may also, when necessary, be employed with the sanction of Government.

(iii) The Principal shall be an Engineer, Civil or Military.

(iv) The Professor of Engineering shall be an officer of the Indian Educational service and the Professor of Mathematics shall be an officer either of that service or of the Provincial Educational Service. The Professor of Engineering may be required to inspect and examine technical and higher class industrial schools in the subjects in which he may be considered competent to examine.

Article IV.—Classes.

The college shall contain the following classes :—

(i) *Engineer class*—for the training of Civil and Mechanical Engineers.

(ii) *Engineer Subordinate class*—for the training of Upper Subordinates for the Public Works Department, local boards and municipalities.

(iii) *Sub-Overseer and Surveyor class*—for the training of Lower Subordinates and Surveyors for the Public Works Department, the Survey Department, local boards and municipalities.

(iv) *Draftsman class*—for the training of Mechanical Draftsmen and Estimators.

(v) *Maistry and Artisan class*—for the professional instruction of persons who are Maistries or Artisans, or the sons of such.

The Engineer and Engineer Subordinate classes constitute the college department, and the other classes of the school department.

Article V.—Courses of Instruction.

The courses of instruction in the several classes shall be as follows :—

(1) Engineer Class.

(i) The course shall extend over four years, of which three shall be spent in the college and the fourth chiefly on works. The course in the college shall be both theoretical and practical. Theoretical instruction shall be conveyed by lectures ; while the practical work shall consist of surveying in the field, drawing, and work in the workshops and laboratories. Marks for practical work shall be assigned by the college staff, and these marks shall count towards the final total. Students who desire to become Civil Engineers shall spend the final year in a Public Works division ; those who wish to become Mechanical Engineers shall spend it in an Engineering Workshop. Students shall receive lessons in riding during the practical course.

(ii) The subjects of study and the marks assigned to each shall be as follows :—

		Marks.
I.	*Mathematics.*—Algebra (75), geometry (100), mensuration (75), plane trigonometry (75), differential and integral calculus (125)	450
II.	*Science.*—Physics (325), chemistry (100), practical work (75)	500
III.	*Engineering.*—Building materials (50), building construction (100), hydraulic engineering (100), applied mechanics (150), mechanism and the steam engine (100), practical work (200)	700
IV.	*Drawing.*—Geometrical and perspective drawing (60), freehand and model drawing (40), building drawing (150), machine drawing (100), estimating (100), practical work (150)	600
V.	*Surveying.*—Surveying (75), levelling (75), theodolite (75), topographical drawing (100), practical work (175)	500
VI.	*Vernacular Language.*—Tamil or Telugu *	150
VII.	*Physical Fitness.*—Gymnastics and drill	100
	Total ..	3,000

(iii) Of the total marks, 2,300 shall be awarded by the Board of Examiners for examination work, and 700 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. Term examinations shall be held at the end of the first and second years, at which, portions of the above subjects shall be finally disposed of by the Board of Examiners. The marks awardable at these examinations shall be included in the final total.

(iv) In order to pass the examination, students must obtain one-third of the marks assigned to each of the four subjects, namely, (1) Mathematics, (2) Engineering, (3) Drawing and (4) Surveying, one-fourth of the marks assigned to Science, and one-half of the total marks awarded by the Board of Examiners and the college staff separately. Students who obtain not less than three-fourths of the total marks shall be declared to have passed in the first class, and all other successful students in the second class. Students shall be expected to present themselves for the first examination in Engineering of the Madras University at the end of their second year of study, and for the B.E. degree Examination at the end of their third year.

(v) Students who are successful at the college final examination shall proceed to the practical course. Those who elect to become Civil Engineers shall be posted to a division where large public works are in progress, and will be regularly instructed in the preparation of materials, the practical details of construction, the management of labour, and in accounts. Those who elect to become Mechanical Engineers will proceed to the Public Works Workshops. One Mechanical Engineer student will be permitted each year to join the Madras Railway Locomotive shops at Perambúr, the concession being offered in the order of merit at the final examination. The premium will be Rs. 500, of which half will be defrayed by the Educational Department, the other half being met by the student. The premium will cover a course of two years, of which one year is obligatory. Other Mechanical Engineers may attend at Perambúr on payment of the full premium.

(2) Engineer Subordinate Class.

(i) The course shall extend over three and-a-half years, of which two and-a-half shall be spent in the college, and one year on works or in the workshops. The course in the college shall be both theoretical and practical. Theoretical instruction shall be conveyed by lectures, while the practical work shall consist of surveying in the field, drawing, and work in the workshops. Marks for practical work shall be assigned by the college staff, and these marks shall count towards the final total. The course on works shall be in a division of the Public Works Department. Students shall receive lessons in riding during the practical course.

(ii) The subjects of study and the marks assigned to each shall be as follows :—

		Marks.
I.	*Mathematics.*—Algebra (75), geometry (75), mensuration (100), plane trigonometry (100)	350
II.	*Engineering.*—Building materials (50), building construction (100), hydraulic engineering (100), applied mechanics (125), mechanism and the steam engine (75), practical work (150)	600
III.	*Drawing.*—Geometrical and perspective drawing (40), freehand and model drawing (35), building drawing (100), machine drawing (75), estimating (75), practical work (125)	450
IV.	*Surveying.*—Surveying (75), levelling (75), theodolite (50), topographical drawing (75), practical work (125)	400
V.	*Vernacular Language.*—Tamil or Telugu *	125
VI.	*Physical Fitness.*—Gymnastics and drill	75
	Total ..	2,000

* Tamil to be obligatory for natives whose mother tongue is Telugu and *vice versa*. The choice of one of these two languages to be open to all other students.

(iii) Of the total marks, 1,525 shall be awarded by the Board of Examiners for examination work, and 475 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. Term examinations shall be held at the end of the first and third half-years, at which, portions of the above subjects shall be finally disposed of by the Board of Examiners. The marks awardable at these examinations shall be included in the final total.

(iv) In order to pass the examination students must obtain one-third of the marks assigned to each of the four subjects, namely, (1) Mathematics, (2) Engineering, (3) Drawing and (4) Surveying and one-half of the total marks awarded by the Board of Examiners and the college staff separately. Students who obtain not less than three-fourths of the total marks shall be declared to have passed in the first class, and all other successful students in the second class.

(v) Students who are successful at the college final examination shall be posted to a division where large public works are in progress, and shall be regularly instructed in the preparation of materials, the practical details of construction, the management of labour, and in accounts.

(3) Sub-overseer and Surveyor Class.

(i) The course shall extend over two years, and shall be both theoretical and practical. Theoretical instruction shall be given in class, while the practical work shall consist of surveying in the field, drawing, and work in the workshops. Marks for practical work shall be assigned by the college staff and these marks shall count towards the final total.

(ii) The subjects of study and the marks assigned to each shall be as follows :—

		Marks.
I.	*Surveying.*—Surveying (100), levelling (100), theodolite (100), topographical drawing (100), practical work (300)	700
II.	*Engineering.*—Building materials (75), building construction (150), practical work (50)	275
III.	*Drawing.*—Geometrical drawing (75), building drawing (150), estimating (150), practical work (100)	475
IV.	*Physical Fitness.*—Gymnastics and drill	50
	Total	1,500

(iii) Of the total marks, 1,000 shall be awarded by the Board of Examiners for examination work, and 500 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. A term examination shall be held at the end of the first year, at which, portions of the above subjects shall be finally disposed of. The marks awardable at this examination shall be included in the final total.

(iv) In order to pass the examination, students must obtain one-third of the marks assigned to each of the three subjects, namely, (1) Surveying, (2) Engineering and (3) Drawing and one-half of the total marks awarded by the Board of Examiners and the college staff separately. Students who obtain not less than three-fourths of the total marks shall be declared to have passed in the first class, and all other successful students in the second class.

(4) Draftsman Class.

(i) The course shall extend over two years.

(ii) The subjects of study and the marks assigned to each shall be as follows :—

		Marks.
I.	*Geometrical and perspective drawing* (75) / *Freehand and model drawing* (75)	150
II.	*Building Construction and Drawing.*—Building construction (125), building drawing (275)	400
III.	*Machine Drawing*	200
IV.	*Estimating*	250
	Total ..	1,000

(iii) The whole of these marks shall be assigned by the Board of Examiners. A term examination shall be held at the end of the first year, at which portions of the above subjects shall be finally disposed of. The marks awardable at this examination shall be included in the final total.

(iv) In order to pass the examination, students must obtain one-third of the marks assigned to each of the four subjects and one-half of the total marks. Students who obtain not less than two-thirds of the total marks shall be declared to have passed in the first class, and all other successful students in the second class.

(5) Maistry and Artisan Class.

(i) The subjects of study shall be—

I. *Arithmetic.*
II. *Mensuration.*
III. *Building materials and construction.*
IV. *Plan drawing and estimating.*
V. *Surveying.*

(ii) No examination will be held, but a certificate of attendance shall be given after a period of one year's regular study. Students are, however, expected to appear for the elementary grade of the Government Technical examinations in the above subjects. The class shall be an evening one, and instruction shall be given, when necessary, through the medium of the vernacular languages.

Article VI.—Strength of Classes.

The number of students to be admitted annually shall ordinarily be limited to 15 in the Engineer class, 30 in the Engineer subordinate class, 30 in the Sub-overseer and Surveyor class, 30 in the Draftsman class, and 40 in the Maistry and Artisan class.

Article VII.—Admissions and Withdrawals.

(i) All applications for admission shall be submitted in a prescribed form.

(ii) Admissions shall be once a year :—(1) for the Engineer class on the last Monday in January ; (2) for the Engineer Subordinate class on the first Monday in July ; (3) for the Sub-overseer and Surveyor class, and for the Draftsman class on the fourth Monday in January ; and (4) for the Maistry and Artisan class on the last Monday in January.

(iii) The Principal may refuse admission to any candidate whose previous conduct has not been satisfactory. His order shall be subject to appeal to the Director, whose decision shall be final.

(iv) Withdrawals in the case of scholarship-holders shall, except for good and sufficient reasons, be allowed only on completion of the course for which the scholarships have been awarded.

Article VIII.—Qualifications for Admission.

(1) *Engineer Class.*

(i) Candidates must have passed the First Examination in Arts of the Madras University or an examination accepted by Government as equivalent thereto and must be between the ages of 17 and 22 years on the 31st December preceding the year of admission. Candidates otherwise qualified, but whose ages exceed the maximum above laid down may be admitted with the sanction of the Director of Public Instruction, if the strength of the class permits. Students so admitted shall be ineligible for guaranteed appointments and for prizes and scholarships.

(ii) Admissions shall be regulated by a competitive examination to be held annually on the first Monday in December at the College of Engineering and at Rajahmundry, Bellary, Kumbakónam, Madura, Calicut and Trivandrum. The scheme of examination shall be as follows :—

	Marks.
Arithmetic (the whole)	100
Algebra (including quadratic equations and the binomial theorem) ..	75
Geometry (Euclid Books I to IV, VI, and XI to prop. 21)	75
Mensuration	50
Trigonometry (including the solution of plane triangles)	100
English Composition	80
Hand-writing (to be judged from the paper on English Composition).	60
Elementary Drawing	60
Total ..	600

The qualifying minimum shall be 240 marks.

The fee for admission to this examination shall be Rs. 20. Applications will be received by the Principal up to the first Monday in November.

(iii) The first fifteen qualified candidates on the list shall be selected for admission, provided that, if four Europeans and Eurasians and three Muhammadans be not within the first fifteen, the number under each may be made good, in order of merit, from the other qualified candidates. The names of successful candidates shall be published

(iv) The candidates shall join the college on the last Monday in January (unless appearing for the B.A. degree Examination, when they shall present themselves on the first Monday in February), and shall each on that day deposit with the Principal—

(*a*) the sum of Rs. 100, which shall be drawn against for books and instruments ;
(*b*) a health certificate from a Gazetted Government Medical officer to the effect that the candidate is fit for the out-door work of the Public Works Department, and that he has had small-pox or has been vaccinated ;
(*c*) his University certificate ;
(*d*) testimonials of good character covering the last two years ;
(*e*) his horoscope or other evidence of age ;
(*f*) a leaving certificate from his last school.

(2) *Engineer Subordinate Class.*

(i) Candidates must have passed the Upper Secondary Examination, or the Matriculation Examination of the Madras University, or an examination accepted by Government as equivalent thereto and must be between the ages of 16 and 21 years on the 31st December preceding the year of admission.

(ii) Admissions shall be regulated by a competitive examination, to be held annually on the last Monday in April at the College of Engineering and at Berhampur, Vizagapatam, Rajahmundry, Masulipatam, Bellary, Kurnool, Nellore, Kumbakónam, Madura, Calicut, Mangalore and Trivandrum.

The scheme of examination shall be as follows :—

	Marks.
Arithmetic (the whole)	125
Algebra (including quadratic equations)	75
Geometry (the first four Books of Euclid)	100
English Composition	80
Hand-writing (to be judged from the paper on English Composition).	60
Elementary Drawing	60
Total	500

The qualifying minimum shall be 200 marks.

The fee for admission to this examination shall be Rs. 15. Applications will be received by the Principal up to the third Monday in March.

(iii) The first thirty qualified candidates on the list shall be selected for admission, provided that, if five non-commissioned officers or soldiers of British Regiments, six other Europeans and Eurasians, and five Muhammadans be not within the first thirty, the number under each may be made good, in order of merit, from the other qualified candidates. The names of selected candidates shall be published in the *Fort St. George Gezette.*

(iv) The civilian candidates shall join the college on the first Monday in July, and shall each on that date deposit with the Principal—

(*a*) the sum of Rs. 75, which shall be drawn against for books and instruments ;
(*b*) a health certificate from a Gazetted Government Medical officer, to the effect that the candidate is fit for the out-door work of the Public Works Department, and that he has had small-pox or has been vaccinated ;
(*c*) his University or Upper Secondary Examination certificate ;
(*d*) testimonials of good character covering the last two years ;
(*e*) his horoscope or other evidence of age ;
(*f*) a leaving certificate from his last school.

(3) *Sub-overseer and Surveyor Class.*

(i) Candidates must have passed the Lower Secondary or the late Middle School Examination, and must be between the ages of 16 and 22 years on the 31st December preceding the year of admission.

(ii) Admissions shall be regulated be a competitive examination to be held annually on the first Monday in December at the College of Engineering and at Berhampur, Vizagapatam, Rajahmundry, Masulipatam, Bellary, Kurnool, Nellore, Kumbakónam, Madura, Calicut, Mangalore and Trivandrum. The scheme of examination shall be as follows :—

	Marks.
Arithmetic (to the end of fractions)	100
English Composition	100
Hand-writing (to be judged from the paper on English Composition)	100
Drawing (copying a lithographed drawing)	100
Total	400

The qualifying minimum shall be 200 marks.

The fee for admission to this examination shall be Rs. 10. Applications will be received by the Principal up to the third Monday in October.

(iii) The first thirty qualified candidates on the list shall be selected for admission provided that, if four Europeans or Eurasians and three Muhammadans be not within the first thirty, the number under each may be made good, in order of merit, from the other qualified candidates. The names of successful candidates shall be published in the *Fort St. George Gazette.*

(iv) The candidates shall join the college on the fourth Monday in January, and shall each on that day deposit with the Principal—

(*a*) the sum of Rs. 75, which shall be drawn against for books and instruments ;
(*b*) a health certificate from a Government Medical officer to the effect that the candidate is fit for the out-door work of the Public Works Department, and that he has had small-pox or has been vaccinated ;
(*c*) his Lower Secondary or Middle School Examination certificate ;
(*d*) testimonials of good character covering the last two years ;
(*e*) his horoscope or other evidence of age ;
(*f*) a leaving certificate from his last school.

(4) *Draftsman Class.*

The rules of admission to the Draftsman class shall be the same as those for the Sub-overseer and Surveyor class, except that the health certificate need testify only to the candidate's fitness for the public service, and that the deposit shall be one of Rs. 60.

(5) *Artisan Class.*

(i) Candidates must be between the ages of 16 and 22 on the 31st December preceding the year of admission.

(ii) Admissions shall be by selection from persons who are employed as maistries or artisans, or from persons who have some practical knowledge of the building trades, or from the sons of maistries and artisans. The fee for registration shall be one rupee, which shall be paid into a Government treasury, or be remitted by money order, and which shall on no account be refunded. The treasury receipt should be attached to the application which will be received by the Principal up to the first Monday in November. If the payment be made by money order, particulars must be entered in the coupon to be retained by the payee.

(iii) Forty candidates shall be selected for admission, and their names shall be published in the *Fort St. George Gazette.*

(iv) The selected candidates shall join the college on the last Monday in January, and shall each on that day deposit with the Principal—

(*a*) a certificate that he has had small-pox or has been vaccinated ;
(*b*) testimonials of good character covering the last two years ;
(*c*) his horoscope or other evidence of age.

ARTICLE IX.—MILITARY STUDENTS.

(i) Non-commissioned officers and soldiers of Her Majesty's British service, desirous of qualifying for employment in the Public Works Department, will, to the number of five annually, be admitted to the college by a competitive examination. Candidates must be soldiers of thoroughly good character well recommended by their commanding officers and under 28 years of age. Applications will be received by the Principal up to the second Monday in March. Each candidate's application shall be forwarded by his Commanding officer to the Principal and shall be accompanied by the following documents relating to the candidate :—

(*a*) extract from regimental defaulter's and court-martial books for the whole period of service ;
(*b*) extract from the Company defaulter's book for the preceding two years ;
(*c*) certificate that the candidate has never been dismissed from staff employment ;
(*d*) statement whether the candidate is married or unmarried ;
(*e*) certificate of perfect eye-sight, sound health and unimpaired constitution, signed by a Medical officer in the following form :—

I certify that I have carefully examined *and that to the best of my belief his eye-sight is perfect, and he has no disease, constitutional affection or bodily infirmity, unfitting him, or likely to unfit him, for active out-door employment as an Upper Subordinate in the Public Works Department.*

Name.

Designation.

(ii) If these certificates are satisfactory, the Principal shall forward to the Commanding officer papers of questions for the following examination * to be held on the last Monday in April :—

	Marks.
English composition	80
Hand-writing	60
Arithmetic (the whole)	125
Algebra (including quadratic equations)	75
Geometry (the first four Books of Euclid)	100
Elementary Drawing	60
Total ..	500

The qualifying minimum shall be 200 marks.

(iii) The five qualified candidates who stand highest on the list shall be selected and shall join the college in the following July.

On joining the college they shall bring with them—

(*a*) a descriptive roll ;
(*b*) the record of service ;
(*c*) a last-pay certificate ;
(*d*) last clothing and bedding certificates ;
(*e*) a certified list of clothing and necessaries in their possession when quitting their regiments ;
(*f*) a certificate of the carriage, if any, furnished to them at the Government expense, &c., on leaving their regiments to proceed to Madras.

When not furnished with carriage to enable them to join, a certificate shall be given to this effect and they shall then receive travelling allowance at the rate of one anna per mile. A double allowance shall be granted to married men accompanied by their wives.

(iv) While studying at the college they shall be considered as doing duty, and shall remain on the strength of their respective regiments, without prejudice to their promotion and other advantages until appointed to the Public Works Department. Military students shall be provided with barracks and married quarters at the college, they shall wear the undress or fatigue uniform of their rank and regiment, and they shall be under the command of the Principal, or, in his absence, of the Superintendent of Military students. They shall receive, whilst at the college, the same pay as with their regiments, including good-conduct pay when entitled to it, together with rations or compensation in lieu, and a college allowance of Rs. 11 per mensem to cover extra messing and other expenses. They shall be exempted from the payment of college fees, and shall be supplied *gratis* with drawing instruments and the text-books in use. They shall not compete for civil scholarships, but shall be eligible for medals and prizes. The Principal may remand any student to his regiment for insufficient progress or unsatisfactory conduct.

(v) The course of study and examinations shall be those of the Engineer Subordinate class. Those men who pass the final examination shall, in order of merit and to the extent of the requirements of the Public Works Department of Madras and Burma, be appointed apprentice overseers for one year. Two appointments as apprentice overseer in the Madras Public Works Department will be given every year. In addition an appointment as apprentice overseer in the Burma Public Works Department may be expected annually. Students who qualify, but do not pass sufficiently high for immediate appointment, shall revert to their regiments pending selection in any subsequent year in which less than the guaranteed number pass the examination.

(vi) During their practical year, the Military apprentices shall retain their position as students, and shall continue to be borne on college and regimental lists. Their military pay and clothing shall be drawn from the Military Department by the Executive Engineers of the divisions to which they are attached. They shall be provided with free quarters or compensation in lieu, and receive a staff allowance sufficient to bring their total consolidated pay up to Rs. 80 per mensem. Married men shall receive in addition the usual regimental allowances for wife and children. The apprentice overseers, if favourably reported on, shall, at the termination of the practical year, be transferred, in the rank of Sergeant, to the Unattached List, and posted to the Public Works Department as first-grade overseers. Any apprentice who is unfavourably reported on shall revert to his regiment. An outfit allowance of Rs. 150 shall be granted to Military apprentices on their appointment to the department.

(vii) Military apprentices shall receive travelling allowance at the rate of two annas per mile, or in case of portions of the journey performed by railway, at one anna and a half per mile, for the journey from Madras to the site of the work to which they are posted, and for all journeys performed on transfer during their apprenticeship.

* Note.—The first examination under this rule will be held in April 1900.

Article X.—Fees.

(i) *Tuition fees.*—The following shall be the fees payable in advance by students while at college. Fees shall, under no circumstances, be returned after a student has been admitted to the institution :—

Class.	Monthly rate.	Per term, if paid in advance.	For the full theoretical course, if paid in advance.
	Rs.	Rs.	Rs.
Engineer class	12	68	360
Engineer Subordinate class	6	34	150
Sub-overseer and Surveyor class	5	28	100
Draftsman class	4	22	80
Maistry and Artisan class	1	5	10

(ii) *Special fees.*—A contribution of Rs. 2 per term shall be made by each student, excepting students of the Maistry and Artisan class, to the recreation club. The riding course fee for students of the Engineer and Engineer Subordinate classes shall be Rs. 15. The premium payable by Mechanical Engineer students at Perambúr is laid down in Article V.

(iii) *Examination fees.*—Students shall pay fees at the following rates for admission to the final examinations :—

	Rs.
Engineer class	20
Engineer Subordinate class	15
Sub-overseer and Surveyor class	10
Draftsman class	10

Article XI.—Scholarships, Stipends and Prizes.

The following scholarships, stipends and prizes are awardable to the different classes :—

(1) *Engineer Class.*

(i) Three scholarships of the monthly value of Rs. 15 each will be annually awarded : two of them will be awarded to the two candidates standing highest at the entrance examination, who are admitted to the class, and the third to a Muhammadan, or a Native Christian, or a European or Eurasian, in the order mentioned, who is admitted to the class and who does not secure a merit scholarship. The scholarships shall be renewed on the results of each term examination.

(ii) A gold medal will be awarded to the student who passes first in the final examination.

(iii) During the year of practical training, subsistence allowances of Rs. 50 per mensem for Europeans and Eurasians, and Rs. 25 per mensem for Natives shall be granted. Such allowances shall, however, be contingent on the good conduct and satisfactory progress of the student ; and on proof of misconduct or idleness, the allowances may be reduced or withdrawn by the Executive Engineer. Travelling allowances to students joining or on the works shall be drawn at the rates sanctioned for officers of the third class under the Civil Service Regulations.

(2) *Engineer Subordinate Class.*

(i) Three scholarships of the monthly value of Rs. 10 each will be annually awarded to the civilian students : two of them will be awarded to the two candidates standing highest at the entrance examination, who are admitted to the class, and the third to a Muhammadan, or a Native Christian, or a European or Eurasian, in the order mentioned, who is admitted to the class and who does not secure the merit scholarship. The scholarships shall be renewed on the results of each term examination.

(ii) A silver medal will be awarded to the student who passes first at the final examination.

(iii) The 'Walker' scholarship of the value of about Rs. 13 per mensem shall be tenable for two and-a-half years by a student of this class who is a native of the Malabar, South Canara, or Nilgiri district, and who possesses a fair knowledge of Malayalam or Canarese.

(iv) The 'Rogers' prize of the value of about Rs. 20 shall be given annually in books to the most distinguished student of the class after the final examination.

(v) During the practical year subsistence allowances of Rs. 30 per mensem for Europeans and Eurasians, and Rs. 20 per mensem for Natives will be granted. Such allowances shall, however, be contingent on the good conduct and satisfactory progress of the student ; and

on proof of misconduct or idleness, the allowances may be reduced or withdrawn by the Executive Engineer. Travelling allowances to students joining or on the works will be drawn at the rates sanctioned for officers of the third class under the Civil Service Regulations.

(3) *Sub-overseer and Surveyor Class.*

(i) Three scholarships of the monthly value of Rs. 7 each will be annually awarded: two of these will be awarded to the candidate standing highest at the entrance examination, who is admitted to the class, and the third to a Muhammadan, or a Native Christian, or a European or Eurasian, in the order mentioned, who is admitted to the class and who does not get the merit scholarship. The scholarships shall be renewed during the second year on the results of the term examination at the end of the first year.

(ii) A bronze medal will be awarded to the student who passes first at the final examination.

(4) *Draftsman Class.*

(i) Three scholarships of the monthly value of Rs. 7 each will be annually awarded on the same conditions as those given in the Sub-overseer and Surveyor class.

(ii) A bronze medal will be awarded to the student who passes first at the final examination.

(5) *Special Prizes.*

(i) Prizes consisting of instruments or books will be given in all the above classes for special proficiency in particular subjects.

(ii) Three 'Sir Madhava Rau' prizes of the value of Rs. 20 each will be given annually, under certain prescribed conditions, for proficiency in practical work. When possible, one prize will be awarded to a Mahratta Brahman.

(6) *Stipends in Workshops.*

Four stipends of the monthly value of Rs. 6 for the first year, Rs. 7 for the second year, and Rs. 8 for the third year will be awarded annually to young men who have passed the elementary technical examination in carpentry or blacksmith's work, and who join the college workshop with a view to be trained as teachers in technical or industrial schools or in school workshops for manual training. The course shall extend over three years during which time the students shall be prepared for the highest technical examination in cabinet-making, or carpentry, or fitters' work. The students shall ordinarily work in the workshop for thirty-five hours per week and will be allowed one month's vacation in the hot weather and the ordinary authorized holidays. They shall be required, if need be, to serve as teachers for two years, and to submit half-yearly reports as to how they are employed for three years after leaving the workshops.

NOTE.—Scholarships and stipends may be reduced or forfeited for misconduct, idleness or want of progress.

ARTICLE XII.—TIME TABLE.

(i) The hours of attendance at the college shall be from 10 A.M. to 1 P.M. and from 2 to 4-30 P.M. The field work and workshop hours shall, from time to time, be fixed by the Principal.

(ii) The Principal shall submit a time table annually for the approval of the Director. No material change shall be made in the time table or in the general arrangement of the college work without his sanction.

ARTICLE XIII.—VACATIONS AND HOLIDAYS.

(i) The college shall be closed for the midsummer vacation from the 1st May to the first Monday in July and for the Christmas vacation from 23rd December to 17th January.

(ii) The casual holidays allowed in chapter III of the Educational Rules shall apply to this college in so far as its special character may allow.

ARTICLE XIV.—LEAVE AND DISMISSAL.

(i) Students may obtain leave of absence by application to the Principal.

(ii) Scholarship-holders shall forfeit their scholarships during any period, however short, of absence without leave, and shall be further liable to have their scholarships withdrawn, if they absent themselves without leave for five consecutive working days.

(iii) In cases of severe illness certified to by a competent medical authority, sick leave with scholarship may be given by the Principal for a fortnight. If such leave is granted for a period exceeding a fortnight, the excess period shall be leave without allowances.

(iv) Any student who has obtained admission into the college by means of a false certificate or by false representations of any kind, or who has been found guilty of grave misconduct, shall be summarily dismissed; the fact of such dismissal and the reasons for it being at once reported to the Director.

(v) Leave may be granted during the practical course for a period or aggregate of periods not exceeding one month per annum. Such leave shall not entail forfeiture of stipend, but any leave in excess of one month shall involve loss of stipend and the practical course shall be extended by a period equal to the excess over one month per annum of the leave taken.

ARTICLE XV.—EXAMINATIONS.

(i) All term and final examinations shall be conducted by an independent Board of Examiners, consisting of a President and two members appointed by Government, on the recommendation of the Director of Public Instruction, for a term of three years. When necessary, the Board may, with the sanction of Government, employ Assistant Examiners. The decision of the Board of Examiners in regard to the qualifications of any student appearing for examination shall be final. The names of all students declared by the Board to have passed a final examination shall be published in the *Fort St. George Gazette*. After completing the annual examinations, the Board shall submit a report to Government, through the Director of Public Instruction, summarising the results of the examinations. It may record in the report any observations of a general nature bearing on the working of the college, or make any suggestions it may consider expedient, provided such observations or suggestions arise naturally out of the examination work which the Board has to perform. The report shall be signed by the President and members of the Board.

(ii) The examinations for admission to the several classes shall be conducted by the college staff.

ARTICLE XVI.—DIPLOMAS AND CERTIFICATES.

The following diplomas and certificates shall be issued to students who satisfactorily complete their courses of study:—

(i) *Engineer and Engineer Subordinate classes.*—On the completion of the course in the college a provisional certificate signed by the Principal and the President of the Board of Examiners, shall be issued, showing that the candidate has passed the final examination. On the completion of the practical course, a diploma signed by the Principal and the Director of Public Instruction shall be issued, setting forth the qualifications of the student for employment as a Civil Engineer, a Mechanical Engineer, or as an Engineer Subordinate.

(ii) *Sub-overseer and Surveyor class and Draftsman class.*—On the completion of the course, a certificate signed by the Principal and the President of the Board of Examiners shall be issued, stating that the student is qualified for employment as a Sub-overseer and Surveyor or as a Draftsman. A student who has passed the final examination of the Engineer Subordinate class, and who elects not to proceed to the practical course, shall be granted a certificate of qualification as a Sub-overseer.

(iii) *Maistry and Artisan class.*—On the completion of the course a certificate of attendance signed by the Principal shall be issued.

ARTICLE XVII.—EMPLOYMENT OF PASSED STUDENTS.

(i) *Engineers.*—One appointment annually as apprentice engineer shall be conferred on the student who passes highest at the final examination. The apprenticeship shall commence on the 1st January following the examination, and shall ordinarily extend over twelve months, when the apprentice, provided he has passed the B.E. degree examination of the Madras University and fulfilled the conditions of paragraph 11, chapter II, volume I, Public Works department code, shall be brought on the permanent establishment of the Public Works department, provincial service, as third-grade Assistant Engineer. Other engineer students who have satisfactorily completed the practical course shall be eligible for appointment to the temporary upper subordinate establishment of the Public Works department, whence transfers may be made to the permanent establishment to fill existing vacancies on the recommendation of Superintending Engineers. Fully-qualified engineer students may also be appointed assistant engineers under local boards.

(ii) *Engineer Subordinates.*—One appointment annually as overseer, third grade, in the permanent upper subordinate establishment of the Public Works department shall be conferred on the civilian engineer subordinate student who passes highest at the final examination, provided he has satisfactorily completed his practical course and provided a vacancy exists for such appointment. Other civilian engineer subordinate students who have satisfactorily completed the practical course and for whom there are vacancies shall be eligible for appointment to the temporary upper subordinate and lower subordinate establishments of the Public Works department, whence transfers may be made to the permanent upper subordinate establishment to fill existing vacancies on the recommendation of Superintending Engineers. No person will be eligible for appointment to the permanent upper subordinate establishment unless he be a fully-qualified engineer or engineer subordinate. Appointments as delta superintendent, minor irrigation overseer and as overseer to district boards and municipalities are also open to qualified engineer subordinates. Qualified military students required for the Public Works department shall be appointed apprentice overseers at the commencement of their practical course—*vide* article IX. In alternate years, one appointment to the Engineer establishment, provincial service, will be offered to a senior selected upper subordinate of the Public Works department.

(iii) *Sub-overseers and Surveyors.*—Qualified sub-overseers and surveyors will be appointed to the Public Works department as sub-overseers as vacancies occur. They will be eligible also for employment as channel superintendent in the Public Works department and as deputy surveyor in the Survey department. When the services of temporary men are required for special surveys not undertaken by the Public Works subordinate staff, the Public Works officers in charge are instructed to select for such employment none but qualified surveyors of the college.

(iv) *Draftsmen.*—Qualified draftsmen will be appointed to the Public Works department as draftsmen and estimators as vacancies occur.

NOTE.—(i) Students of the engineer and engineer subordinate classes who pass sufficiently high to merit guaranteed appointments shall before appointment produce certificates of physical fitness for the work of the Public Works department. The medical examination for such certificates shall be held at the end of the practical course. Other qualified students will on appointment to the Public Works department be required to produce certificates of physical fitness under the ordinary rules of the public service.

NOTE.—(ii) The guaranteed appointments referred to are reserved for statutory natives of India, provided that natives of pure Asiatic descent shall be admitted only if their parents or guardians are domiciled in the Madras presidency or the native states of Travancore, Cochin, Pudukkóttai, Sandúru, Banganapalle and Mysore.

NOTE.—(iii) It shall be the duty of the Principal to render all reasonable assistance to passed students who may not be appointed to the Public Works department in seeking employment under local boards and municipalities and other agencies. With this view lists of qualified men with remarks as to their attainments, conduct, &c., shall be circulated annually to local boards and municipalities, with recommendations that they may be employed in suitable posts when opportunities offer, and the attention of such boards should be invited to G.O., No. 2773 L., dated 12th December 1893.

ARTICLE XVIII.—CASUAL STUDENTS.

(i) Applicants who pass the entrance examination, and who produce certificates of good health and good character, make the usual deposit and pay the prescribed fees may be admitted as casual students to the Engineer class, provided that accommodation is available for them. They may present themselves for the term and final examinations, and if they pass they will receive provisional certificates issued to successful students at the end of the college course; but they shall not be eligible for guaranteed appointments or for scholarships or prizes or for the free practical course.

(ii) Other casual students may also be admitted to the Engineer class for one or more terms, on payment of the prescribed fees, for instruction in special subjects, provided that they possess sufficient general education to follow and profit by the instruction given and that accommodation is available for them. They shall not be eligible for any of the college examinations, but may receive a certificate of attendance.

ARTICLE XIX.—INDEPENDENT CANDIDATES.

(i) A student of any of the college classes who has failed to obtain a certificate from the Board at the final examination, may appear before the Board for examination in any subsequent year, provided he is certified to have put in the necessary attendance at the college, and pays a fee as follows:—

	RS.
Engineer candidates	30
Engineer Subordinate candidates	24
Sub-overseer and Surveyor candidates	18
Draftsman candidates	12

(ii) In the case of a candidate for certificate as draftsman, the proviso that he has previously gone through the college course will not, for the present, be exacted.

(iii) Candidates who qualify in this way shall receive the certificates referred to in Article XVI, and their names shall be published in the *Fort St. George Gazette* in a separate list. Engineer and Engineer subordinate independent candidates shall not be eligible for diplomas until they have satisfactorily completed the practical course.

ARTICLE XX.—REGISTERS AND ACCOUNTS.

(i) The following registers shall be kept:—

(1) Register of admissions and withdrawals for each class.
(2) Monthly register of attendance, fees and fines for each class.
(3) Acquittance roll and pay abstract.
(4) Library catalogue and register and inventory of valuable stock.
(5) Register of scholarships.
(6) Register of expenditure on contingencies.

(ii) The register of valuable stock shall be scrutinized every year, the work being entrusted in rotation to one of the senior members of the staff, who shall certify to the correctness of the stock and the entries in the register.

ARTICLE XXI.—MISCELLANEOUS.

(i) All civilian students shall provide themselves with the prescribed books and drawing instruments. They will be non-resident. Strict observance of the standing orders of the institution as regards attendance, discipline, &c., shall be required from all.

(ii) The practical course will extend over a complete year, and this period will be reckoned from the dates on which the students join their divisions. Students during their practical course shall not be under the supervision of the Principal, but officers under whom such students are serving will be required in the Public Works Department to furnish to the Principal half-early reports of their progress in such form as may from time to time be prescribed by Government. All allowances during the practical course shall be debited to the Public Works Department.

(iii) The provisions of the Educational Rules relating to accommodation and sanitation, discipline, dress, periodical examinations and punishments shall apply *mutatis mutandis* to the college, in so far as its special character permits of their application.

(iv) The Principal shall invariably obtain the previous sanction of the Director for any deviation from the prescribed rules.

(v) Extracts from this code of rules with such alterations as may have been sanctioned during the preceding twelve months shall be published every year by the Principal in the first issue of the *Fort St. George Gazette* in January.

Final.

udicial (189) Department.

CURRENT No. 151

644/96

From The P.W. dept.

No. 701C

Dated 4th Feby 1897.

Received

Registered 8th February 97

Enclosures 2.

Spare copies

SUBJECT.

Draft of the revised rules of the College of Engineering.

Forwarding note by the Chief Engineer with—

P.W.

BACK

G.O.	No.	Department.
	444	Educ.

FURTHER PAPE

G.O.	No.	Department.	

	REMARKS.
issible will be paid for practical course there 5th June.	
	New.

S.

		Marks.
..	..	100
awing	..	120
..	..	270
..	..	200
..	..	180
..	..	80
..	..	50
Total	..	1,000

ed by the Board of Exam-
e college staff for plans,
rd, however, shall call for
ually accepting the marks

nd of the first year.

each of the first five sub-
eive *First-class* Certificates:
spectively, *Second-class* Cer-
t., respectively, *Third-class*

N CLASS.

ving.
of Engineering.

tificate of attendance shall
period of one year's regular
pear for the elementary ex-
ication in subjects included
be given in the Tamil and
evening one.

SSION.

ted annually will ordinarily
nical Engineer classes taken
Subordinates; to 25 in the
or Surveyors; and to 30 in

For the Engineer classes, on
Engineer Subordinate class,
classes, on the last

REMARKS.

The course of study, as laid down in the existing rule, does not agree with the sanctioned syllabus. It has accordingly been amended in the revised rules.

For some years the Artisan class has been taught practical surveying in the field on two mornings a week. This practice should continue. A fifth head has accordingly been added to the revised rule, and the necessary addition can easily be made to the syllabus.

In regard to the language which is to be the medium of instruction, it will be convenient to introduce the words "when necessary."

Provision has been made for a slightly larger number of admissions into the lower classes.

REVISED RULES.

I.—RULES RELATING TO THE CONSTITUTION AND WORKING OF THE COLLEGE OF ENGINEERING, MADRAS.

Preamble.

Preamble.—The following code of rules relating to the constitution and working of the College of Engineering has been sanctioned by Government :—

Article I.—Object.

(i) The college, which is affiliated to the Madras University, affords theoretical and practical instruction in subjects qualifying for the professions and callings of Engineer, Engineer Subordinate, Surveyor and Draftsman, in view of fitting them for employment in such capacities by Government, by local boards and municipalities, and by other agencies.

(ii) Students of the higher course in Engineering are, at the same time, prepared for the B.E. degree Examination of the Madras University.

Article II.—Control.

The responsibility for the discipline and management of the college is vested in the Principal, under the control of the Director of Public Instruction.

Article III.—Staff.

(i) The staff shall consist of a Principal, a Professor of Engineering, a Professor of Mathematics, an Instructor in Surveying and Drawing, an Instructor in Engineering, and eleven Assistants.

(ii) Special lecturers may also, when necessary, be employed with the sanction of Government.

(iii) The Principal shall be an Engineer, civil or military.

(iv) The Professor of Engineering shall be an officer of the Indian Educational service, and the Professor of Mathematics shall be an officer either of that service or of the Provincial Educational service. The Professor of Engineering may be required to inspect and examine technical and higher class industrial schools in the subjects in which he may be considered competent to examine.

Article IV.—Classes.

The college shall contain the following classes :—

(i) *Engineer class*—for the training of Civil and Mechanical Engineers.

(ii) *Engineer Subordinate class*—for the training of Upper Subordinates for the Public Works Department, local boards and municipalities.

(iii). The College will also provide Technical instruction to Maistries and Artisans.

EXISTING RULES.

I.—RULES RELATING TO THE CONSTITUTION OF THE COLLEGE OF ENGINEERING.

Preamble.—The college, which is affiliated to the Madras University, affords theoretical and practical instruction in subjects qualifying Europeans and Natives of India for the professions and callings set forth in Article III, in view of fitting them for employment in such capacity by Government, by local and municipal boards, and by other agencies.

Students passing the higher course in Engineering are, at the same time, prepared for the B.E. degree Examination of the Madras University.

Article I.

The responsibility for the discipline and management of the College is vested in the Principal, under the control of the Director of Public Instruction.

Article III.

The classes to be formed are for the training of—

(1) Civil Engineers.
(2) Mechanical Engineers.
(3) Engineer Subordinates.
(4) Draftsmen.
(5) Surveyors.
(6) Maistries and Artisans.

REMARKS.

New article.

Clause (ii) has been inserted as it is now and then found necessary to employ temporarily a lecturer in Chemistry when the Professor of Engineering cannot give instruction in the subject.

Clause (iii) is in accordance with G.O., No. 328, Educational, dated 27th May 1886.

Clause (iv) is necessary as the Professor is now required to examine the Lawrence Asylum in alternate years and also to examine certain technical schools. This provision will be all the more necessary when schools in the mofussil teaching the Engineering subjects have been affiliated to the College of Engineering.

Civil and Mechanical Engineers form one class, and receive the same training up to the commencement of the practical course.

REVISED RULES.

(iii) *Sub-Overseer and Surveyor class*—for the training of Lower Subordinates and Surveyors for the Public Works Department, the Survey Department, local boards and municipalities.

(iv) *Draftsman class*—for the training of Mechanical Draftsmen and Estimators.

(v) *Maistry and Artisan class*—for the professional instruction of persons who are Maistries or Artisans, or the sons of such.

The Engineer and Engineer Subordinate classes constitute the college department, and the other classes the school department.

Article V.—Courses of Instruction.

The courses of instruction in the several classes shall be as follows:—

(1) Engineer Class.

(i) The course shall extend over four years, of which three shall be spent in the college and the fourth chiefly on works. The course in the college shall be both theoretical and practical. Theoretical instruction shall be conveyed by lectures; while the practical work shall consist of surveying in the field, drawing, and work in the workshops and laboratories. Marks for practical work shall be assigned by the college staff, and these marks shall count towards the final total. Students who desire to become Civil Engineers shall spend the final year in a Public Works division; those who wish to become Mechanical Engineers shall spend it in an Engineering Workshop. Students shall receive lessons in riding during the practical course.

(ii) The subjects of study and the marks assigned to each shall be as follows:—

	Marks.
I. *Mathematics.*—Algebra (75), geometry (100), mensuration (75), plane trigonometry (75), differential and integral calculus (125)	450
II. *Science.*—Physics (325), chemistry (100), practical work (75)	500
III. *Engineering.*—Building materials (50), building construction (100), hydraulic engineering (100), applied mechanics (150); mechanism and the steam engine (100), practical work (200)	700
IV. *Drawing.*—Geometrical and perspective drawing (60), freehand and model drawing (40), building drawing (150), machine drawing (100), estimating (100), practical work (150)	600
V. *Surveying.*—Surveying (75), levelling (75), theodolite (75), topographical drawing (100), practical work (175)	500
VI. *Vernacular Language*—Tamil or Telugu *	150
VII. *Physical Fitness.*—Gymnastics and Drill	100
Total ..	3,000

(iii) Of the total marks, 2,300 shall be awarded by the Board of Examiners for examination work and 700 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. Term

EXISTING RULES.

Article V.—Courses.

The course and subjects of study in the several classes shall be as follows:—

(1) Civil and Mechanical Engineer Classes.

(*a*) Theoretical Courses.—The theoretical course, which extends over three years, will embrace the following subjects, which carry the marks enumerated against each below:—

	Marks.
I. *Pure Mathematics.*—Algebra, geometry and arithmetic; mensuration and trigonometry; algebraic geometry, and the differential and integral calculus	475
II. *Science.*—Mechanics; hydromechanics; chemistry; physics and geology	525
III. *Engineering.*—Building materials; building and bridge construction; hydraulics, irrigation works and sanitary engineering; road and railway construction; applied mechanics; principles of mechanism; prime movers; the steam-engine.	775
IV. *Drawing.*—Geometrical drawing, free hand, model and perspective drawing; building drawing; machine drawing; estimating; designing; specification	500
V. *Surveying.*—Surveying with chain, compass and plane table; levelling; theodolite surveying; topographical drawing	400
VI. *Language.*—Tamil or Telugu *	200
VII. *Drills and Exercises.*—Physical fitness; gymnastics, &c.	125
Final Total ..	3,000

* Tamil to be obligatory for natives whose mother tongue is Telugu and *vice versâ*. The choice of one of these two languages to be open to all other students.

REMARKS.

The development of the existing Surveyor class into a Sub-Overseer and Surveyor class has been sanctioned in G.O., No. 444, Educational, dated 22nd July 1896.

The course in the college has never been purely theoretical. Now that the workshop year has been abolished, and the whole of the workshop training is given in the college, the term "theoretical course" has become even more inappropriate. It has accordingly been omitted. *Vide* also G.O., No. 807, Educational, dated 7th October 1895.

The subjects and marks are revised in accordance with G.O., No. 444, Educational, dated 22nd July 1896.

REVISED RULES.	EXISTING RULES.	REMARKS.
examinations shall be held at the end of the first and second years, at which, portions of the above subjects shall be finally disposed of by the Board of Examiners. The marks awardable at these examinations lshal be included in the final total.	Of the total marks, 2,400 shall be awarded by the Board of Examiners for examination work, and 600 by the college staff for drawings, notes, field-work, work in the workshops, chemical laboratory, &c., executed during the course. The Board, however, shall call for and inspect such drawings, notes, &c., before finally accepting the marks given by the staff. Term examinations will be held at the end of the first and second years of study, at which portions of the above subjects will be finally disposed of by the Board of Examiners. The marks awardable at these examinations are included in the final total. Candidates must obtain one-third of the total marks in each of the subject heads I, III, IV, and V, one-fourth in each of the subject heads II, VI and VII, and one-half of the final total marks. They shall be arranged in two classes in order of merit; the first, or honour class containing those who have obtained not less than three-fourths of the total marks.	
(iv) In order to pass the examination, students must obtain one-third of the marks assigned to the each of the four subjects, namely, (1) Mathematics, (2) Engineering, (3) Drawing and (4) Surveying, one-fourth of the marks assigned to Science, and one-half of the total marks awarded by the Board of Examiners and the college staff separately. Students who obtain not less than three-fourths of the total marks shall be declared to have passed in the first class, and all other successful students in the second class. Students shall be expected to present themselves for the First Examination in Engineering of the Madras University at the end of their second year of study, and for the B.E. degree Examination at the end of their third year.	ARTICLE XI.—GENERAL. (1) Students in the Civil and Mechanical Engineer classes are expected to appear for the B.E. degree Examination; but they are discouraged from appearing until they have completed the three years' theoretical course.	Existing article XI refers to the course of study, and its substance is accordingly included under revised article V—Courses.
(v) Students who are successful at the college final examination shall proceed to the practical course. Those who elect to become Civil Engineers shall be posted to a division where large public works are in progress, and will be regularly instructed in the preparation of materials, the practical details of construction, the management of labour, and in accounts. Those who elect to become Mechanical Engineers will proceed to the Public Works Workshops. One Mechanical Engineer student will be permitted each year to join the Madras Railway Locomotive shops at Perambúr, the concession being offered in the order of merit at the final examination. The premium will be Rs. 500, of which half will be defrayed by the Educational Department, the other half being met by the student. The premium will cover a course of two years, of which one year is obligatory. Other Mechanical Engineers may attend at Perambúr on payment of the full premium.	PART OF ARTICLE V.—COURSES. (*b*) PRACTICAL COURSE—*Civil Engineers.*—After completing the theoretical course, the pupils of the Civil Engineer class will spend one year in the Public Works Workshop, going through the carpenters' shop, the smithy, the foundry, and the fitting shop; they will then be placed for one year under the Public Works Department, and will be stationed at places where large works are in progress. They will be regularly instructed in the practical details of brick-making, bricklaying, quarrying, blasting, masonry, building of all sorts, the management of labour, accounts, &c. *Mechanical Engineers.*—The course will comprise two years of practical study at one of the chief workshops of the Presidency. *N.B.*—During the first year in the workshops, there will be a short course in riding. The charges to be met by each student will be about Rs. 30.	The workshop course for Civil Engineer students has been abolished.
	PART OF ARTICLE IX.—PRACTICAL COURSES. One Mechanical Engineer student will be permitted each year to join the Madras Railway Locomotive shops at Perambúr, the concession being offered in the order of merit at the final examination. The premium for the course of two years will be Rs. 500, of which half will be defrayed by the Educational Department, the other half being met by the student. Other Mechanical Engineer students will be trained in the Public Works Workshops *gratis*, or at Perambúr on payment by them of the full premium.	This portion of existing article IX refers to the course of instruction, and has accordingly been transferred in substance to revised article V—Courses. The Agent and Manager, Madras Railway, has declined to make any reduction in the present premium for a course of one year only.

REVISED RULES.

(2) ENGINEER SUBORDINATE CLASS.

(i) The course shall extend over three and-a-half years, of which two and-a-half shall be spent in the college, and one year on works, or in the workshops. The course in the college shall be both theoretical and practical. Theoretical instruction shall be conveyed by lectures, while the practical work shall consist of surveying in the field, drawing, and work in the workshops. Marks for practical work shall be assigned by the college staff, and these marks shall count towards the final total. The course on works shall be in a division of the Public Works Department. Students shall receive lessons in riding during the practical course.

(ii) The subjects of study and the marks assigned to each shall be as follows :—

		Marks.
I.	*Mathematics.*—Algebra (75), geometry (75), mensuration (100), plane trigonometry (100).	350
II.	*Engineering.*—Building materials (50), building construction (100), hydraulic engineering (100), applied mechanics (125), mechanism and the steam engine (75), practical work (150).	600
III.	*Drawing.*—Geometrical and perspective drawing (40), freehand and model drawing (35), building drawing (100), machine drawing (75), estimating (75), practical work (125).	450
IV.	*Surveying.*—Surveying (75), levelling (75), theodolite (50), topographical drawing (75), practical work (125).	400
V.	*Vernacular Language.*—Tamil or Telugu *	125
VI.	*Physical fitness.*—Gymnastics and Drill.	75
	Total ..	2,000

(iii) Of the total marks, 1,525 shall be awarded by the Board of Examiners for examination work and 475 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. Term examinations shall be held at the end of the first and third half years, at which, portions of the above subjects shall be finally disposed of by the Board of Examiners. The marks awardable at these examinations shall be included in the final total.

(iv) In order to pass the examination, students must obtain one-third of the marks assigned to each of the four subjects namely, (1) Mathematics, (2) Engineering, (3) Drawing and (4) Surveying and one-half of the total marks awarded by the Board of Examiners and the college staff separately. Students who obtain not less than three-fourths of the total marks shall be declared to have passed in the first class, and all other successful students in the second class.

* Tamil to be obligatory for natives whose mother tongue is Telugu, and *vice versâ*. The choice of one of these languages to be open to all other students.

EXISTING RULES.

PART OF ARTICLE V.—COURSES.

(2) ENGINEER SUBORDINATE CLASS.

(*a*) THEORETICAL COURSE.—The theoretical course, which extends over two and-a-half years, will embrace the following subjects, which carry the marks enumerated against each below :—

		Marks.
I.	*Mathematics.*—Arithmetic, algebra and geometry ; plane trigonometry and mensuration ; elementary statics	370
II.	*Engineering.*—Building materials; strength of materials ; building and bridge construction ; earth-work and roads ; hydraulics and irrigation works ; elementary applied mechanics ; mechanism and the steam-engine	600
III.	*Drawing.*—Geometrical drawing ; freehand and model drawing ; mechanical drawing ; estimating	400
IV.	*Surveying.*—Surveying with chain, compass and plane table ; levelling ; theodolite surveying ; topographical drawing	350
V.	*Language.*—Tamil or Telugu *	180
VI.	*Drills and Exercises.*—Physical fitness, gymnastics, &c.	100
	Final Total ..	2,000

Of the total marks, 1,600 shall be awarded by the Board of Examiners for examination work, and 400 by the college staff for drawings, notes, field-work, work in the worshops, &c., executed during the course. The Board, however, shall call for and inspect such drawings, notes, &c., before finally accepting the marks given by the staff.

Term examinations will be held at the end of the first and third half-years of study, at which portions of the above subjects will be finally disposed of by the Board of Examiners. The marks awardable at these examinations are included in the final total.

Candidates must obtain one-third of the total marks in each of the subject heads I, II, III, and IV, one-fourth in each of the subject heads V and VI, and one-half of the final total marks. They shall be arranged in two classes in order of merit ; the first containing those who have obtained at least three-fourths of the total marks.

* Tamil to be obligatory for natives whose mother tongue is Telugu, and *vice versâ*. The choice of one of these two languages to be open to all other students.

REMARKS.

See remarks under (1) Engineer class.

REVISED RULES.

(v) Students who are successful at the college final examination shall be posted to a division where large public works are in progress, and shall be regularly instructed in the preparation of materials, the practical details of construction, the management of labour, and in accounts.

(3) Sub-overseer and Surveyor Class.

(i) The course shall extend over two years, and shall be both theoretical and practical. Theoretical instruction shall be given in class, while the practical work shall consist of surveying in the field, drawing, and work in the workshops. Marks for practical work shall be assigned by the college staff and these marks shall count towards the final total.

(ii) The subjects of study and the marks assigned to each shall be as follows :—

	Marks.
I. *Surveying.*—Surveying (100), levelling (100), theodolite (100), topographical drawing (100), practical work (300)	700
II. *Engineering.*—Building materials (75), building construction (150), practical work (50)	275
III. *Drawing.*—Geometrical drawing (75), building drawing (150), estimating (150), practical work (100)	475
IV. *Physical fitness.*—Gymnastics and drill	50
Total ..	1,500

(iii) Of the total marks, 1,000 shall be awarded by the Board of Examiners for examination work, and 500 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. A term examination shall be held at the end of the first year, at which, portions of the above subjects shall be finally disposed of. The marks awardable at this examination shall be included in the final total.

(iv) In order to pass the examination, students must obtain one-third of the marks assigned to each of the three subjects, namely, (1) Surveying, (2) Engineering and (3) Drawing and one-half of the total marks awarded by the Board of Examiners and the college staff separately. Students who obtain not less than three-fourths of the total marks shall be declared to have passed in the first class, and all other successful students in the second class.

(4) Draftsman Class.

(i) The course shall extend over two years.

EXISTING RULES.

(*b*) Practical Course.—The practical course will comprise one year of practical study in workshops, and one year on large engineering works, on which instruction will be afforded similar to that given to the Civil Engineer pupils.

N.B.—During the workshop year, there will be a short course in riding. The charge to be met by each student will be about Rs. 30.

(4) Surveyor Class.

The course, which extends over two years, will embrace the following subjects, which carry the marks enumerated against each below :—

	Marks.
(1) Surveying with chain, compass and plane table ..	255
(2) Levelling	215
(3) Theodolite surveying	200
(4) Topographical drawing	280
(5) Drills and Exercises	50
Total ..	1,000

Of the total marks, 600 shall be awarded by the Board of Examiners for examination work, and 400 by the college staff for field-work and drawings executed during the course. The Board, however, shall call for and inspect such drawings, notes, &c., before finally accepting the marks given by the staff.

A term examination will be held at the end of the first year.

Candidates obtaining 66 per cent. in each of the first four subjects and 75 per cent. on the total shall receive *First-class* Certificates: those obtaining 50 and 66 per cent., respectively, *Second-class* Certificates: those obtaining 36 and 50 per cent., respectively, *Third-class* Certificates.

(3) Draftsman Class.

The course, which extends over two years, will embrace the following subjects, which carry the marks enumerated against each below :—

REMARKS.

The provisions of G.O., No. 444, Educational, dated 22nd July 1899, have been embodied in the revised rules.

REVISED RULES.

(ii) The subjects of study and the marks assigned to each shall be as follows:—

		Marks.
I.	*Geometrical and perspective drawing* (75) .. .. / *Free-hand and model drawing* (75)	150
II.	*Building Construction and Drawing.*—Building construction (125), building drawing (275)	400
III.	*Machine drawing*	200
IV.	*Estimating*	250
	Total ..	1,000

(iii) The whole of these marks shall be assigned by the Board of Examiners. A term examination shall be held at the end of the first year, at which portions of the above subjects shall be finally disposed of. The marks awardable at this examination shall be included in the final total.

(iv) In order to pass the examination, students must obtain one-third of the marks assigned to each of the four subjects and one-half of the total marks. Students who obtain not less than two-thirds of the total marks shall be declared to have passed in the first class, and all other successful students in the second class.

(5) Maistry and Artisan Class.

(i) The subjects of study shall be—

I. *Arithmetic.*
II. *Mensuration.*
III. *Building materials and construction.*
IV. *Plan drawing and estimating.*
V. *Surveying.*

(ii) No examination will be held, but a certificate of attendance shall be given after a period of one year's regular study. Students are, however, expected to appear for the elementary grade of the Government Technical examinations in the above subjects. The class shall be an evening one, and instruction shall be given, when necessary, through the medium of the vernacular languages.

Article VI.—Strength of Classes.

The number of students to be admitted annually shall ordinarily be limited to 15 in the Engineer class, 30 in the Engineer Subordinate class, 30 in the Sub-overseer and Surveyor class, 30 in the Draftsman class, and 40 in the Maistry and Artisan class.

Article VII.—Admissions and Withdrawals.

(i) All applications for admission shall be submitted in a prescribed form.

EXISTING RUL

(1) Practical and descriptive geometry
(2) Free-hand, perspective and model
(3) Building drawing .. ..
(4) Machine drawing .. ..
(5) Estimating .. ..
(6) Topographical drawing ..
(7) Drills and Exercises ..

Of the total marks, 600 shall be award
iners for examination work, and 400 by t
&c., executed during the course. The Bo
and inspect such drawings, &c., before fi
given by the staff.

A term examination will be held at the

Candidates obtaining 66 per cent. ir
jects and 75 per cent. on the total shall re
those obtaining 50 and 66 per cent., re
tificates: those obtaining 36 and 50 per c
Certificates.

(5) Maistry and Arti

The course of study shall be—

Arithmetic.	Scales.
Elementary Geometry.	Plan dr
Mensuration.	Element

No examinations will be held, but a ce
be given by the Principal after a minimun
study. Students will be encouraged to a
amination under the Science and Arts no
in the above list. The instruction shal
Telugu languages, and the class shall be

Article IV.—Adm

(1) The number of students to be adm
be limited to 15 in the Civil and Mecha
together; to 30 in the class for Enginee
class for Draftsmen; to 20 in the class
that for Artisans.

Admissions shall be once a year—(1)
the last Monday in January; (2) for the
on the first Monday in July; (3) for the
Monday in January.

ES.

FICATES.

e, under their signatures, a
the class of study in which
lents of the Engineer and
ertificate, in the nature of
tures of the Principal of the
struction, in proof that the
leted the prescribed prac-

OF STUDENTS.

—One appointment as ap-
rvice of the Public Works
nt in each batch who stands
n, and who has also obtained
University.

and Engineer Subordinates.—
Public Works Department
ed men from the Civil and
ordinate classes, but, in the
ointment will be made to any
higher than that of overseer
l and unusual circumstances.
fore the final examination at
ments likely to be available.

REMARKS.

The practice is somewhat different in (1) the Engineer and Engineer Subordinate classes, and (2) the Surveyor and Draftsman classes. Separate rules are accordingly supplied.

Authorised under G.O., No. 444, Educational, dated 22nd July 1896.

In accordance with existing article V(5).

The revised rule is based on the following proceedings :—
G.O., No. 2232 W., Public Works, dated 12th August 1892.
G.O., No. 3155 W., Public Works, dated 17th November 1892.
Government of India letter No. 208 G., dated 23th January 1893.
G.O., No. 564, Educational, dated 6th July 1895.

REMARKS.

New.

New.

entail forfeiture of stipend

be conducted by an
President and two
term of three years.
rom time to time be
Board may, with the
ners. The decision of
ations of any student
ames of all students
examination shall be
completing the annual
Government through
g the results of the
any observations of a
college, or make any
such observation or
tion work which the
gned by the President

The admission examinations have for some time been conducted by the college staff.

REMARKS.

Vide remarks against (3) "Sub-overseer and Surveyor class."

Please see letter to Government No. 12059, dated 9th November 1896, recommending the institution of stipends in connection with the College workshops.

G.O. 182 Ed. 25-3-97

New.

REMARKS.

nt who passes first in the

AL COURSES.

uring the final year of Rs. 50 per mensem for ensem for natives will be contingent on the good ident under instruction; e allowances may be cut s in charge of the works. nd on the works will be the 'third' class under

CHOLARSHIPS.

scholarships, each of Rs. lly to the two candidates term examination. The d term examination. student who passes first in

of about Rs. 13 per men- y a student of this class, ding the Nilgiris who on mination in Canarese or

bout Rs. 20 will be given student of this class after

ICAL COURSES.

e of the Civil and Mecha- ted during the workshop dy on works stipends will peans and Eurasians and o the conditions of good ng allowances to students t the rates sanctioned for Service Regulations.

CHOLARSHIPS.

each of Rs. 8 per mensem, y, will be granted to the he term examination at the

dent who passes first in the

The portion of existing Article IX referring to subsistence allowances during the works course is transferred to revised Article XI—Scholarships, Stipends and Prizes.

Military students are not eligible for these scholarships.

The number of scholarships has been raised from two to three, and one of them has been reserved for Muhammadans, Native Christians, or Europeans and Eurasians as in the case of the Engineer class. The rate of scholarship has been fixed at Rs. 10, which is the value of the B.A. scholarship under the Government Scholarship Notification.

Consequent on the reduction of the practical course from two years to one year, the period of tenure of the Walker scholarship is cut down to two and-a-half years.

The portion of existing Article IX relating to allowances during the works course is transferred to revised Article XI—Scholarships, Stipends and Prizes.

The scholarships now awarded were made payable on the results of the term examination at the end of the second year, as, till recently, there was no entrance examination. The scholarships may now be given for the whole period.

One of the two scholarships has been reserved for Muhammadans, Native Christians or Europeans and Eurasians.

The rate has been fixed at Rs. 7, which is the value of the F.A. scholarship under the Government scholarship notification.

—The fee is fixed at
n advance; or, if can-
ay instead a monthly
osit of Rs. 100 will be

ɔoretical course by the
fee will be demanded
f Mechanical Engineer
Locomotive shops at

fixed at Rs. 30 for each
monthly contribution
cal course, payable in
ll be demanded at the
tical course.
ayment of College fees,
use and with drawing

term fee of Rs. 18 to be
f Rs. 4. A deposit of
the outset.
e of Rs. 5, to be paid in

ied after a student has been

IFICATES.

xamination at the end of
ment of the examination

		RS.
..	..	20
..	..	15
..	..	10
..	..	10

RPS, &C.

re allowed for students

of Rs. 15 per mensem
ates standing highest in
ted to the College. The
he results of each term

REMARKS.

The deposit is not in the nature of a fee. The provision regarding it has been transferred to revised Article VIII—Qualifications for Admission.

The provision regarding Military students has been transferred to revised Article IX—Military Students.

The fees for the existing Surveyor class are Rs. 18 per term, or Rs. 4 per mensem. In view of the improved training offered to the Sub-overseer and Surveyor class, the fees may be increased to Rs. 28, and Rs. 5, respectively.

The reduced rates payable in advance for each term and for the full course have been fixed with reference to the similar rates prevailing in arts colleges.

The recreation club fee is compulsory under the orders of the Director.

The portion of existing Article VII relating to examination fees is transferred to revised Article X—Fees. The scale of final examination fees payable by students of the Engineer, Engineer Subordinate and Sub-overseer and Surveyor classes has been raised with a view to make the examination as nearly self-supporting as possible.

vide GO 349 / 11-6-98 Sd- flag U

One scholarship has been reserved for Muhammadan, Native Christian, or European students. This is necessary to encourage students of these classes.

REVISED RULES.

(ii) Admissions shall be once a year :—(1) for the Engineer class on the last Monday in January; (2) for the Engineer Subordinate class on the first Monday in July; (3) for the Sub-overseer and Surveyor class, and for the Draftsman class on the fourth Monday in January; and (4) for the Maistry and Artisan class on the last Monday in January.

(iii) The Principal may refuse admission to any candidate whose previous conduct has not been satisfactory. His order shall be subject to appeal to the Director, whose decision shall be final.

(iv) Withdrawals in the case of scholarship-holders shall, except for good and sufficient reasons, be allowed only on completion of the course for which the scholarships have been awarded.

ARTICLE VIII.—QUALIFICATIONS FOR ADMISSION.

(1) *Engineer Class.*

(i) Candidates must have passed the First Examination in Arts of the Madras University or an examination accepted by Government as equivalent thereto and must be between the ages of 17 and 22 years on the 31st December preceding the year of admission. Candidates otherwise qualified, but whose ages exceed the maximum above laid down may be admitted with the sanction of the Director of Public Instruction, if the strength of the class permits. Students so admitted shall be ineligible for guaranteed appointments and for prizes and scholarships.

(ii) Admissions shall be regulated by a competitive examination to be held annually on the first Monday in December at the College of Engineering and at Rajahmundry, Bellary, Kumbakónam, Madura, Calicut and Trivandram. The scheme of examination shall be as follows :—

	Marks.
Arithmetic (the whole)	100
Algebra (including quadratic equations and the binomial theorem)	75
Geometry (Euclid Books I to IV, VI, and XI to prop. 21)	75
Mensuration	50
Trigonometry (including the solution of plane triangles)	100
English Composition	80
Hand-writing (to be judged from the paper on English Composition)	60
Elementary Drawing	60
Total ..	600

The qualifying minimum shall be 240 marks.

The fee for admission to this examination shall be Rs. 20. Applications will be received by the Principal up to the first Monday in November.

EXISTING RULES.

ARTICLE V.

(2) Candidates for admission to the Civil and Mechanical Engineer classes should be between the ages of 17 and 21 years, to the Engineer Subordinate class between the ages of 16 and 20 years, and to the other classes between the ages of 16 and 22 years, on the 31st December preceding the year of admission. Candidates otherwise qualified, but whose ages exceed the maxima above laid down, may be admitted with the sanction of the Director of Public Instruction if the strength of the several classes permits. Students so admitted shall be ineligible for guaranteed appointments, and for prizes and scholarships.

(3) Candidates for admission to the Civil and Mechanical Engineer classes must produce a certificate of having passed the First Examination in Arts of the Madras or other Indian University; to the Engineer Subordinate class, a certificate of having passed the Upper Secondary Examination, or the Matriculation Examination of the Madras or other Indian University; to the Draftsman and Surveyor classes, except when specially exempted, a certificate of having passed the Lower Secondary, or the late Middle School Examination. For the sixth class selection will be made from the sons of artisans or maistries, or from youths who have already had practical training in some of the building trades.

(4) All candidates must produce satisfactory testimony of good character, physical fitness, age, and freedom from the liability to small-pox. Candidates whose certificates are unsatisfactory in any respect will be excluded.

(5) Admission to the Civil and Mechanical Engineer classes shall be decided by a Competitive Examination in the following subjects :—

	Marks.
Arithmetic (the whole)	100
Algebra (including quadratic equations and the binomial theorem)	75
Geometry (the first four books and the sixth book of Euclid)	75
Mensuration	50
Trigonometry (including the solution of plane triangles)	100
English Composition	80
Hand-writing (to be judged from the manner in which the English Composition is written) ..	60
Total ..	540

REMARKS.

The college re-opens after the Christmas vacation about the 17th January. The last Monday may be the fourth or fifth Monday.

Clause (iii) is necessary to enable the Principal to refuse admission to candidates against whom any report is received previous to their admission.

Clause (iv) is necessary to prevent scholarship—holders leaving the institution after receiving scholarship for some time.

As the different college classes are entirely distinct, it will be convenient for candidates and others consulting the code to have the rules of admission shown separately and completely for each class. The general statements in existing Article IV (2), (3) and (4) are accordingly avoided.

The age limit has been extended by one year, because the upper secondary course has been extended by one year.

The provision regarding candidates who are over age has been entered under the Engineer class only, as the supply of fully qualified candidates is always sufficient for the other classes.

The "rules of admission" have hitherto been published separately from the college code. The essential portions of these rules have now been incorporated in the code.

Kumbakónam and Trivandrum will be convenient centres for the entrance examination for the Engineer class, in addition to the places hitherto prescribed.

Drawing has been added to the entrance test. This subject is now a compulsory subject of instruction in the upper secondary forms, and an elementary knowledge of Drawing may be expected from all under-graduates. Further, Government has sanctioned the inclusion of the subject in the entrance examination for the Surveyor and Draftsman classes.

REVISED RULES.	EXISTING RULES.	REMARKS.
(iii) The first fifteen qualified candidates on the list shall be selected for admission, provided that, if four Europeans and Eurasians and three Muhammadans be not within the first fifteen, the number under each may be made good, in order of merit, from the other qualified candidates. The names of successful candidates shall be published in the *Fort St. George Gazette*.	Candidates failing to obtain 40 pe[illegible]t. of the total marks shall not be admitted.	
(iv) The candidates shall join the college on the last Monday in January (unless appearing for the B.A. degree Examination, when they shall present themselves on the first Monday in February), and shall each on that day deposit with the Principal—	Selection shall be made in order of [illegible]it; provided that, if four Europeans and Eurasians and three M[illegible]nmadans are not within the first fifteen, the number under each ma[illegible]made good in order of merit from the other qualified candidates be[illegible]ing to these classes. When they have been two years in the coll[illegible] students shall inform the Principal whether they intend to be Ci[illegible]r Mechanical Engineers.	The existing provision that students shall inform the Principal at the end of the second year whether they wish to become Civil or Mechanical Engineers is unnecessary.
(*a*) the sum of Rs. 100, which shall be drawn against for books and instruments;	(6) The fee for admission to this [illegible]amination shall be Rs. 20. The names of the successful candidates [illegible]ll be published in the *Fort St. George Gazette*.	
(*b*) a health certificate from a Gazetted Government Medical officer to the effect that the candidate is fit for the outdoor work of the Public Works Department, and that he has had small-pox or has been vaccinated;		
(*c*) his University certificate;		
(*d*) testimonials of good character covering the last two years;		
(*e*) his horoscope or other evidence of age;		
(*f*) a leaving certificate from his last school.		
(2) *Engineer Subordinate Class.*		
(i) Candidates must have passed the Upper Secondary Examination, or the Matriculation Examination of the Madras University, or an examination accepted by Government as equivalent thereto and must be between the ages of 16 and 21 years on the 31st December preceding the year of admission.	(7) Admission to the Engineer Subordinate class shall, except in the case of soldier students, be given preferentially to candidates who have passed the First Arts Examination of the Madras or other Indian University, or the Upper Secondary Examination. The admission of Matriculates shall be decided by open competition in the following subjects :—	The essential portions of the "Rules of admission" have been incorporated in the revised Code.
(ii) Admissions shall be regulated by a competitive examination, to be held annually on the last Monday in April at the College of Engineering and at Berhampur, Vizagapatam, Rajahmundry, Masulipatam, Bellary, Kurnool, Nellore, Kumbakónam, Madura, Calicut, Mangalore and Trivandrum.		The age limit has been extended by one year, because the upper secondary course has been extended by one year.
The scheme of examination shall be as follows :—		The entrance examination is now held for Matriculates only, F.A. under-graduates and Upper Secondary passed candidates being admitted in preference to Matriculates without any test whatever. To the Engineer class, graduates as well as F.A. under-graduates seek admission, but every one undergoes the entrance test and selection is made on the results of that test, and there is no reason why the same procedure should not be followed in the case of admissions to the Engineer Subordinate class also. F.A. under-graduates who are poor in Mathematics have now a chance of admission without any entrance examination, and the entrance test is a fair door to admission. A really good F.A. has better chances of success and of a higher place in the list than a Matriculate.
Arithmetic (the whole) .. .. Marks. 125 Algebra (including quadratic equations) .. .. 75 Geometry (the first four Books of Euclid) .. .. 100 English Composition .. .. 80 Hand-writing (to be judged from the paper on English Composition) .. .. 60 Elementary Drawing .. .. 60 Total .. 500	Arithmetic (the whole) .. .. Marks. 125 Algebra (including quadratic equations) .. .. 75 Geometry (the first four books of Euclid) .. .. 100 English Composition .. .. 80 Hand-writing (to be judged from the manner in which the English Composition is written) .. .. .. 60 Total .. 440	Drawing has been added to the list of subjects for the entrance test for reasons urged in connection with the entrance test for the Engineer class.
The qualifying minimum shall be 200 marks.	(8) Matriculates failing to obtain 40 per cent. of the total marks shall not be admitted. Selection shall be made in order of merit, provided that, if six Europeans and Eurasians and four Muhammadans are not within the first twenty-five qualified candidates, the number under each may be made good in order of merit from the other qualified candidates belonging to these classes. The fee for registration or examination shall be Rs. 15. The names of the selected and successful candidates shall be published in the *Fort St. George Gazette*.	
The fee for admission to this examination shall be Rs. 15. Applications will be received by the Principal up to the third Monday in March.		

REVISED RULES.	EXISTING RULE	REMARKS.
(iii) The first thirty qualified candidates on the list shall be selected for admission, provided that, if five non-commissioned officers or soldiers of British Regiments, six other Europeans and Eurasians, and five Muhammadans be not within the first thirty, the number under each may be made good, in order of merit, from the other qualified candidates. The names of selected candidates shall be published in the *Fort St. George Gazette*.		
(iv) The civilian candidates shall join the college on the first Monday in July, and shall each on that date deposit with the Principal—		
(*a*) the sum of Rs. 75, which shall be drawn against for books and instruments;		The deposit for the Surveyor class has hitherto been Rs. 50. Consequent on the development of the class, it is necessary to raise it to Rs. 75.
(*b*) a health certificate from a Gazetted Government Medical officer, to the effect that the candidate is fit for the outdoor work of the Public Works Department, and that he has had small-pox or has been vaccinated;		
(*c*) his University or Upper Secondary Examination certificate;		
(*d*) testimonials of good character covering the last two years;		
(*e*) his horoscope or other evidence of age;		The present deposit of Rs. 50 is found to be insufficient.
(*f*) a leaving certificate from his last school.		
(3) *Sub-overseer and Surveyor Class.*		
(i) Candidates must have passed the Lower Secondary or the late Middle School Examination, and must be between the ages of 16 and 22 years on the 31st December preceding the year of admission.	* (10) Admission to the Draftsman and … regulated by the order in which the candid… Middle School, Lower Secondary, or some… selection proceeding from those that have pa… to those who have passed a lower.	
(ii) Admissions shall be regulated by a competitive examination to be held annually on the first Monday in December at the College of Engineering and at Berhampur, Vizagapatam, Rajahmundry, Masulipatam, Bellary, Kurnool, Nellore, Kumbakonam, Madura, Calicut, Mangalore and Trivandrum. The scheme of examination shall be as follows:—		At present the registration fee of 8 annas is, in the case of candidates admitted, allowed to count towards the first month's tuition fee. This arrangement causes inconvenience and is unnecessary. Applications are made receivable later than in the case of the Sub-overseer and Surveyor class and Draftsman class, as there is no entrance examination to arrange for.

	Marks.
Arithmetic (to the end of fractions)	100
English Composition	100
Hand-writing (to be judged from the paper on English Composition)	100
Drawing (copying a lithographed drawing)	100
Total ..	400

The qualifying minimum shall be 200 marks.

The fee for admission to this examination shall be Rs. 10. Applications will be received by the Principal up to the third Monday in October.

(iii) The first thirty qualified candidates on the list shall be selected for admission, provided that, if four Europeans or Eurasians and three Muhammadans be not within the first thirty, the number under each may be made good, in order of merit, from the other qualified candidates. The names of successful candidates shall be published in the *Fort St. George Gazette*.

* *N.B.*—Entrance to these classes is now by op… Admission (3) and (4), Part II.

…MISSION.

… officers and soldiers of … qualifying for employment … the number of five annually, … Competitive Entrance exami… six months' study of arithmetic, …age, they will, provided they … subjects, join the Subordinate …ctical courses. Each student

The provisions of G.O., No. 807, Educational, dated 7th October 1895, have been included.

All existing rulings regarding soldier students have been collected together, and the essential portions of the "Rules of admission" have been incorporated, and the whole has been drawn up on the lines of the revised paragraph 1335, Army Regulations, India, Vol. II, Part I.

Applications cannot be received later than 15th October, as candidates may have to be examined at Aden and other remote stations.

REVISED RULES.	EXISTING RULE	REMARKS.
(iv) The candidates shall join the college on the fourth Monday in January, and shall each on that day deposit with the Principal— (*a*) the sum of Rs. 75, which shall be drawn against for books and instruments; (*b*) a health certificate from a Government Medical officer to the effect that the candidate is fit for the out-door work of the Public Works Department, and that he has had small-pox or has been vaccinated; (*c*) his Lower Secondary or Middle School Examination certificate; (*d*) testimonials of good character covering the last two years; (*e*) his horoscope or other evidence of age; (*f*) a leaving certificate from his last school.		The deposit for the Surveyor class has hitherto been Rs. 50. Consequent on the development of the class, it is necessary to raise it to Rs. 75.
(4) *Draftsman Class.* The rules of admission to the Draftsman class shall be the same as those for the Sub-overseer and Surveyor class, except that the health certificate need testify only to the candidate's fitness for the public service, and that the deposit shall be one of Rs. 60.		The present deposit of Rs. 50 is found to be insufficient.
(5) *Artisan Class.* (i) Candidates must be between the ages of 16 and 22 on the 31st December preceding the year of admission. (ii) Admissions shall be by selection from persons who are employed as maistries or artisans, or from persons who have some practical knowledge of the building trades, or from the sons of maistries and artisans. The fee for registration shall be ~~8 annas~~. Applications will be received by the Principal up to the first Monday in November. If the payment be made by money order, particulars must be entered in the coupon to be retained by the payee. (iii) Forty candidates shall be selected for admission, and their names shall be published in the *Fort St. George Gazette*. (iv) The selected candidates shall join the college on the last Monday in January, and shall each on that day deposit with the Principal— (*a*) a certificate that he has had small-pox or has been vaccinated; (*b*) testimonials of good character covering the last two years; (*c*) his horoscope or other evidence of age.		At present the registration fee of 8 annas is, in the case of candidates admitted, allowed to count towards the first month's tuition fee. This arrangement causes inconvenience and is unnecessary. Applications are made receivable later than in the case of the Sub-overseer and Surveyor class and Draftsman class, as there is no entrance examination to arrange for.
ARTICLE IX.—MILITARY STUDENTS. (i) Non-commissioned officers and soldiers of Her Majesty's British service, desirous of qualifying for employment in the Public Works Department, will, to the number of five annually, be admitted to the college by a competitive examination. Applications will be received by the Principal up to ~~15th October~~. Each candidate's application shall be forwarded by his Commanding officer to the Principal and shall be accompanied by the following documents relating to the candidate :—	PART OF ARTICLE IV.—ADMISSION. (9) *Soldier Students.*—Non-commissioned officers and soldiers of Her Majesty's British service desirous of qualifying for employment in the Public Works Department will, to the number of five annually, be admitted to the College on passing a Competitive Entrance examination in arithmetic and English. After six months' study of arithmetic, algebra, geometry, and vernacular language, they will, provided they pass a satisfactory examination in these subjects, join the Subordinate class for the ordinary theoretical and practical courses. Each student	The provisions of G.O., No. 807, Educational, dated 7th October 1895, have been included. All existing rulings regarding soldier students have been collected together, and the essential portions of the "Rules of admission" have been incorporated, and the whole has been drawn up on the lines of the revised paragraph 1335, Army Regulations, India, Vol. II, Part I. Applications cannot be received later than 15th October, as candidates may have to be examined at Aden and other remote stations.

REVISED RULES.

(iv) The candidates shall join the college on the fourth Monday in January, and shall each on that day deposit with the Principal—

(*a*) the sum of Rs. 75, which shall be drawn against for books and instruments;

(*b*) a health certificate from a Government Medical officer to the effect that the candidate is fit for the out-door work of the Public Works Department, and that he has had small-pox or has been vaccinated;

(*c*) his Lower Secondary or Middle School Examination certificate;

(*d*) testimonials of good character covering the last two years;

(*e*) his horoscope or other evidence of age;

(*f*) a leaving certificate from his last school.

(4) *Draftsman Class.*

The rules of admission to the Draftsman class shall be the same as those for the Sub-overseer and Surveyor class, except that the health certificate need testify only to the candidate's fitness for the public service, and that the deposit shall be one of Rs. 60.

(5) *Artisan Class.*

(i) Candidates must be between the ages of 16 and 22 on the 31st December preceding the year of admission.

(ii) Admissions shall be by selection from persons who are employed as maistries or artisans, or from persons who have some practical knowledge of the building trades, or from the sons of maistries and artisans. The fee for registration shall be 8 annas. Applications will be received by the Principal up to the first Monday in November.

(iii) Forty candidates shall be selected for admission, and their names shall be published in the *Fort St. George Gazette*.

(iv) The selected candidates shall join the college on the last Monday in January, and shall each on that day deposit with the Principal—

(*a*) a certificate that he has had small-pox or has been vaccinated;

(*b*) testimonials of good character covering the last two years;

(*c*) his horoscope or other evidence of age.

ARTICLE IX.—MILITARY STUDENTS.

(i) Non-commissioned officers and soldiers of Her Majesty's British service, desirous of qualifying for employment in the Public Works Department, will, to the number of five annually, be admitted to the college by a competitive examination. Applications will be received by the Principal up to 15th October. Each candidate's application shall be forwarded by his Commanding officer to the Principal and shall be accompanied by the following documents relating to the candidate:—

EXISTING RULE

S.

three and-a-half years,
dinate class. His pay,
giment throughout the
between the number of
lic Works Department

PART OF ARTICLE IV.—AR

(9) *Soldier Students.*—Non-commissioned
Her Majesty's British service desirous of o
in the Public Works Department will,
be admitted to the College on passing
nation in arithmetic and English. Afte
algebra, geometry, and vernacular lan
pass a satisfactory examination in the
class for the ordinary theoretical and

REMARKS.

The provision in existing Article IV (9) regarding a "Fixed proportion" has been rendered null by the guarantee of two appointments annually to military students, while no fixed guarantee is given in the case of civilian students.

3.

three and-a-half years,
dinate class. His pay,
giment throughout the
between the number of
olic Works Department

REMARKS.

The provision in existing Article IV (9) regarding a "Fixed proportion" has been rendered null by the guarantee of two appointments annually to military students, while no fixed guarantee is given in the case of civilian students.

	marks
	80
	60
	125
(Interior)	75
(Hydl.)	100
	60
Total	500

(iv) The candidates shall join the college on the fourth Monday in January, and shall each on that day deposit with the Principal—

(*a*) the sum of Rs. 75, which shall be drawn against for books and instruments;

(*b*) a health certificate from a Government Medical officer to the effect that the candidate is fit for the out-door work of the Public Works Department, and that he has had small-pox or has been vaccinated;

(*c*) his Lower Secondary or Middle School Examination certificate;

(*d*) testimonials of good character covering the last two years;

(*e*) his horoscope or other evidence of age;

(*f*) a leaving certificate from his last school.

(4) *Draftsman Class.*

The rules of admission to the Draftsman class shall be the same as those for the Sub-overseer and Surveyor class, except that the health certificate need testify only to the candidate's fitness for the public service, and that the deposit shall be one of Rs. 60.

(5) *Artisan Class.*

(i) Candidates must be between the ages of 16 and 22 on the 31st December preceding the year of admission.

(ii) Admissions shall be by selection from persons who are employed as maistries or artisans, or from persons who have some practical knowledge of the building trades, or from the sons of maistries and artisans. The fee for registration shall be 8 annas. Applications will be received by the Principal up to the first Monday in November.

(iii) Forty candidates shall be selected for admission, and their names shall be published in the *Fort St. George Gazette*.

(iv) The selected candidates shall join the college on the last Monday in January, and shall each on that day deposit with the Principal—

(*a*) a certificate that he has had small-pox or has been vaccinated;

(*b*) testimonials of good character covering the last two years;

(*c*) his horoscope or other evidence of age.

ARTICLE IX.—MILITARY STUDENTS.

(i) Non-commissioned officers and soldiers of Her Majesty's British service, desirous of qualifying for employment in the Public Works Department, will, to the number of five annually, be admitted to the college by a competitive examination. Applications will be received by the Principal up to 15th October. Each candidate's application shall be forwarded by his Commanding officer to the Principal and shall be accompanied by the following documents relating to the candidate:—

PART OF ARTICLE IV.—AD

(9) *Soldier Students.*—Non-commissioned Her Majesty's British service desirous of o in the Public Works Department will, be admitted to the College on passing nation in arithmetic and English. Afte algebra, geometry, and vernacular lan pass a satisfactory examination in the class for the ordinary theoretical and

(*a*) extract from regimental defaulter's and court-martial books for the whole period of service;
(*b*) extract from the Company defaulter's book for the preceding two years;
(*c*) certificate that the candidate has never been dismissed from staff employment;
(*d*) statement whether the candidate is married or unmarried;
(*e*) certificate of perfect eye-sight, sound health and unimpaired constitution, signed by a Medical officer in the following form:—

I certify that I have carefully examined and that to the best of my belief his eye-sight is perfect, and he has no disease, constitutional affection or bodily infirmity, unfitting him, or likely to unfit him, for active out-door employment as an Upper Subordinate in the Public Works Department.

Name.
Designation.

(ii) If these certificates are satisfactory, the Principal shall forward to the Commanding officer papers of questions for the following examination* to be held on the last Monday in ~~November~~ April:—

	Marks.
Arithmetic (the whole)	100
English dictation	50
English Grammar and Composition	50
Total ..	200

The qualifying minimum shall be 200 marks.

(iii) The five qualified candidates who stand highest on the list shall join the college ~~as probationers in the following January, and shall, subject to passing the examination prescribed for the admission of civilian candidates to the Engineer Subordinate class—*vide* Article IX, (2), be admitted to that class~~ in the following July.

On joining the college they shall bring with them—

(*a*) a descriptive roll;
(*b*) the record of service;
(*c*) a last-pay certificate;
(*d*) last clothing and bedding certificates;

will draw a stipend of Rs. 10 per mensem commencing from the date of joining the Su rations and clothing will be drawn from his whole course of study. A fixed proportio soldiers and civilians to be appointed to the will be established.

English Composition —
Handwriting —
Arithmetic (the whole)
Algebra (including Quadratic E
Geometry (the first four books of
Elementary Drawing —

* NOTE.—~~The last entrance examination for probationers will be held in November 1898. Thereafter the examination for admission will be identical with that for civilian candidates for the Engineer Subordinate class. Applications will be received up to the second Monday in March, and the examination will be held on the last Monday in April. The successful candidates will join the Engineer Subordinate class in the following July.~~ The first examination under this rule will be held in April 1900.

REVISED RULES.

(*e*) a certified list of clothing and necessaries in their possession when quitting their regiments;

(*f*) a certificate of the carriage, if any, furnished to them at the Government expense, &c., on leaving their regiments to proceed to Madras.

(iv) While studying at the college they shall be considered as doing duty, and shall remain on the strength of their respective regiments, without prejudice to their promotion and other advantages until appointed to the Public Works Department. Military students shall be provided with barracks and married quarters at the college, they shall wear the undress or fatigue uniform of their rank and regiment, and they shall be under the command of the Principal, or, in his absence, of the Superintendent of Military students. They shall receive, whilst at the college, the same pay as with their regiments, including good-conduct pay when entitled to it, together with rations or compensation in lieu, and a college allowance of Rs. 1[illegible] per mensem to cover extra messing and other expenses. ~~The college allowance shall not, however, be drawn during the probationary period of study.~~ They shall be exempted from the payment of college fees, and shall be supplied *gratis* with drawing instruments and the text-books in use. They shall not compete for civil scholarships, but shall be eligible for medals and prizes. The Principal may remand any student to his regiment for insufficient progress or unsatisfactory conduct.

(v) The course of study and the examinations shall be those of the Engineer Subordinate class. Those men who pass the final examination shall, in the order of merit and to the extent of the requirements of the Public Works Department, be appointed apprentice overseers for one year. ~~But no more than~~ Two appointments as apprentice overseer, in the Madras P.W.D. will ~~ordinarily~~ be given ~~in any one~~ every year. ~~Other soldier students will compete with the civilian students for the remaining vacancies, which are from time to time notified. Those~~ who qualify, but do not pass sufficiently high for immediate appointment, shall revert to their regiments pending selection in any subsequent year in which ~~fewer~~ less than ~~two soldier students~~ the guaranteed number pass the examination.

(vi) During their practical year, the Military apprentices shall retain their position as students, and shall continue to be borne on college and regimental lists. Their military pay and clothing shall be drawn from the Military Department by the Executive Engineers of the divisions to which they are attached. They shall be provided with free quarters or compensation in lieu, and receive a staff allowance sufficient to bring their total consolidated pay up to Rs. 80 per mensem. Married men shall receive in addition the usual regimental allowances for wife and children. The apprentice overseers, if favourably reported on, shall, at the termination of the practical year, be transferred, in the rank of Sergeant, to the Unattached List, and posted to the Public Works Department as first-grade overseers. Any apprentice who is unfavourably reported on shall revert to his regiment. An outfit allowance of Rs. 150 shall be granted to Military apprentices on their appointment to the Department.

In addition on appointment as Apprentice Overseer in the Burma Public Works Dept may be expected annually – Students

EXISTING RU[LES]

(k) When not furnished ... to this effect and they shall ... A double allowance shall be ...

of Madras & Burma

(omitted in revised draft of para 1335 v. C.G.O. 151/97 – note by the C...)

PART OF ARTICLE IX.—PR[...]

Soldier students will, during the work[...] and clothing from their regiments, and t[...] theoretical course. During their year o[...] they will cease to draw those allowances, [...] Public Works Department scale of esta[...] seers, drawing the pay and allowances la[...] Regulations.

REVISED RULES.

Article X.—Fees.

(i) *Tuition fees.*—The following shall be the fees payable in advance by students while at college. Fees shall, under no circumstances, be returned after a student has been admitted to the institution:—

Class.	Monthly rate.	Per term, if paid in advance.	For the full theoretical course, if paid in advance.
	Rs.	Rs.	Rs.
Engineer class	12	68	360
Engineer Subordinate class	6	34	150
Sub-overseer and Surveyor class	5	28	100
Draftsman class	4	22	80
Maistry and Artisan class	1	5	10

(ii) *Special fees.*—A contribution of Rs. 2 per term shall be made by each student, excepting students of the Maistry and Artisan class, to the recreation club. The riding course fee for students of the Engineer and Engineer Subordinate classes shall be Rs. 15. The premium payable by Mechanical Engineer students at Perambúr is laid down in Article V.

(iii) *Examination fees.*—Students shall pay fees at the following rates for admission to the final examinations:—

	Rs.
Engineer class	25—0
Engineer Subordinate class	20—15
Sub-overseer and Surveyor class	15—0
Draftsman class	10

Article XI.—Scholarships, Stipends and Prizes.

The following scholarships, stipends and prizes are awardable to the different classes:—

(1) *Engineer class.*

(i) Three scholarships of the monthly value of Rs. 15 each will be annually awarded: two of them will be awarded to the two candidates standing highest at the entrance examination, who are admitted to

EXISTING RULI

Article VI.—Fei

(*a*) *Civil and Mechanical Engineer Clas* Rs. 68 for each term of six months, payal didates so desire, they will be permitted contribution of Rs. 12, but in either case a demanded at the outset.

A student may compound for the whole payment of a fee of Rs. 350 in advance. for the practical course, except in the case students at the Madras Railway Company Perambúr.

(*b*) *Engineer Subordinate Class.*—The fee term of six months, payable in advance; o of Rs. 6, or Rs. 125 for the whole theore advance. In every case a deposit of Rs. 75 outset. No fee will be demanded for the Pr Soldier students will be exempted from and will be supplied with the text-books i instruments, colours, &c., gratis.

(*c*) *Draftsman and Surveyor Classes.*—A paid in advance, or a monthly contribution Rs. 50 will be demanded from each student

(*d*) *Maistry and Artisan Class.*—A term advance, or a monthly contribution of Re. 1.

Note.—Fees will, under no circumstances, be re admitted to the institution.

Part of Article VII.—Cer

College students appearing for the final e their courses must pay before the commenc the undermentioned fees:—

Engineer classes	
Engineer Subordinate class	
Draftsman class	
Surveyor class	

Article VIII.—Scholars

The following scholarships and prizes a during their College course:—

(1) *Engineer classes.*—Three scholarship will be awarded annually to the three candid the entrance examination list who are adm scholarships are re-awardable annually on examination.

the class, and the third to a Muhammadan, or a Native Christian, or a European or Eurasian, in the order mentioned, who is admitted to the class and who does not secure a merit scholarship. The scholarships shall be renewed on the results of each term examination.

(ii) A gold medal will be awarded to the student who passes first in the final examination.

(iii) During the year of practical training, subsistence allowances of Rs. 50 per mensem for Europeans and Eurasians, and Rs. 25 per mensem for Natives shall be granted. Such allowances shall, however, be contingent on the good conduct and satisfactory progress of the student; and on proof of misconduct or idleness, the allowances may be reduced or withdrawn by the Executive Engineer. Travelling allowances to students joining or on the works shall be drawn at the rates sanctioned for officers of the third class under the Civil Service Regulations.

(2) *Engineer Subordinate class.*

(i) Three scholarships of the monthly value of Rs. 10 each will be annually awarded to the civilian students: two of them will be awarded to the two candidates standing highest at the entrance examination, who are admitted to the class, and the third to a Muhammadan, or a Native Christian, or a European or Eurasian, in the order mentioned, who is admitted to the class and who does not secure the merit scholarship. The scholarships shall be renewed on the results of each term examination.

(ii) A silver medal will be awarded to the student who passes first at the final examination.

(iii) The 'Walker' scholarship of the value of about Rs. 13 per mensem shall be tenable for two and-a-half years by a student of this class who is a native of the Malabar, South Canara, or Nilgiri district, and who possesses a fair knowledge of Malayalam or Canarese.

(iv) The 'Rogers' prize of the value of about Rs. 20 shall be given annually in books to the most distinguished student of the class after the final examination.

(v) During the practical year subsistence allowances of Rs. 30 per mensem for Europeans and Eurasians, and Rs. 20 per mensem for Natives will be granted. Such allowances shall, however, be contingent on the good conduct and satisfactory progress of the student; and on proof of misconduct or idleness, the allowances may be reduced or withdrawn by the Executive Engineer. Travelling allowances to students joining or on the works will be drawn at the rates sanctioned for officers of the third class under the Civil Service Regulations.

(3) *Sub-overseer and Surveyor class.*

(i) Three scholarships of the monthly value of Rs. 7 each will be annually awarded: two of these will be awarded to the candidate standing highest at the entrance examination, who is admitted to the class, and the third to a Muhammadan, or a Native Christian, or a European or Eurasian, in the order mentioned, who is admitted

A gold medal will be awarded to the final examination.

PART OF ARTICLE IX.—PR

(1) *Civil and Mechanical Engineers* practical training, subsistence allowance Europeans and Eurasians and Rs. 25 per granted. Such allowances will, however, conduct and satisfactory progress of the and on proof of misconduct or idleness down or withdrawn altogether by the offic Travelling allowances to students joining drawn at the rates sanctioned for officers o the Civil Service Regulations.

PART OF ARTICLE VIII.—

(2) *Engineer Subordinate Class.*—Two 12-8-0 per mensem, will be awarded ann who pass highest on the list at the firs scholarships are re-awardable after the sec

A silver medal will be awarded to the the final examination.

The 'Walker' scholarship of the val sem is tenable for three years and-a-half being a native of a West Coast district in entering the College passes a colloquial e Malayalam.

The 'Rogers' prize of the value of annually in books to the most distinguishe the final examination.

PART OF ARTICLE IX.—PRAC

(2) *Engineer Subordinates.*—As in the nical Engineer pupils, no fee will be ex year; and during the year of practical be granted of Rs. 30 per mensem for Eu Rs. 20 per mensem for Natives, subject conduct, regular attendance, &c. Trave joining and on the works will be drawn officers of the 'third' class under the Civ

PART OF ARTICLE VIII.—

(1) *Surveyor class.*— Two scholarships tenable during the second year of stu students who stand highest on the list at end of the first year.

A bronze medal will be given to the final examination.

REVISED RULES.

to the class and who does not get the merit scholarship. The scholarships shall be renewed during the second year on the results of the rm examination at the end of the first year.

(ii) A bronze medal will be awarded to the student who passes first at the final examination.

(4) *Draftsman class.*

(i) Three scholarships of the monthly value of Rs. 7 each will be annually awarded on the same conditions as those given in the Sub-overseer and Surveyor class.

(ii) A bronze medal will be awarded to the student who passes first at the final examination.

(5) *Special Prizes.*

(i) Prizes consisting of instruments or books will be given in all the above classes for special proficiency in particular subjects.

(ii) Three 'Sir Madhava Rau' prizes of the value of Rs. 20 each will be given annually, under certain prescribed conditions, for proficiency in practical work. When possible, one prize will be awarded to a Mahratta Brahman.

(6) *Stipends in workshops.*

Four stipends of the monthly value of Rs. 6 for the first year, Rs. 7 for the second year, and Rs. 8 for the third year will be awarded annually to young men who have passed the elementary technical examination in carpentry or blacksmith's work, and who join the college workshop with a view to be trained as teachers in technical or industrial schools or in school workshops for manual training. The course shall extend over three years during which time the students shall be prepared for the highest technical examination in cabinet-making, or carpentry, or fitters' work. The students shall ordinarily work in the workshop for thirty-five hours per week and will be allowed one month's vacation in the hot weather and the ordinary authorised holidays. They shall be required, if need be, to serve as teachers for two years, and to submit half-yearly reports as to how they are employed for three years after leaving the workshops.

NOTE.—Scholarships and stipends may be reduced or forfeited for misconduct, idleness or want of progress.

ARTICLE XII.—TIME TABLE.

(i) The hours of attendance at the college shall be from 10 A.M. to 1 P.M. and from 2 to 4-30 P.M. The field work and workshop hours shall from time to time be fixed by the Principal.

(ii) The Principal shall submit a time table annually for the approval of the Director. No material change shall be made in the time table or in the general arrangement of the college work without his sanction.

EXISTING RULES.

(3) *Draftsman class.*—Two scholarships, each sem, tenable during the second year of study, will students who stand highest on the list at the term end of the first year.

A bronze medal will be given to the student wh final examination.

(5) Prizes consisting of instruments or books w the classes for special proficiency in particular sub

The 'Sir Madhava Rau' prizes, three in numb Rs. 20 each, will be given annually, under certain tions, for proficiency in practical work, such as wor field work, laboratory work, &c. When practicable given to a Mahratta Brahman.

NOTE.—Scholarships may be reduced or forfeited for misbeha

15

REVISED RULES.

Article XIII.—Vacations and Holidays.

(i) The college shall be closed for the midsummer vacation from the 1st May to the first Monday in July and for the Christmas vacation from 23rd December to 17th January.

(ii) The casual holidays allowed in chapter III of the Educational Rules shall apply to this college in so far as its special character may allow.

vide p 17 of the Mad. Ed...

Article XIV.—Leave and Dismissal.

(i) Students may obtain leave of absence by application to the Principal.

(ii) Scholarshipholders shall forfeit their scholarships during any period, however short, of absence without leave, and shall be further liable to have their scholarships withdrawn, if they absent themselves without leave for five consecutive working days.

(iii) In cases of severe illness certified to by a competent medical authority, sick leave with scholarship may be given by the Principal for a fortnight. If such leave is granted for a period exceeding a fortnight, the excess period shall be leave without allowances.

(iv) Any student who has obtained admission into the college by means of a false certificate or by false representations of any kind, or who has been found guilty of grave misconduct, shall be summarily dismissed; the fact of such dismissal and the reasons for it being at once reported to the Director.

(v) Leave may be granted during the practical course for a period or aggregate of periods not exceeding one month per annum. ~~Absence in excess of one month shall involve loss of stipend~~ and the practical Course shall be extended by a period equal to the excess over one month of the leave taken.

per annum

G.O. 560 28-7-92

Such leave shall ... but any leave ...

Article XV.—Examinations.

(i) All term and final examinations shall be conducted by an independent Board of Examiners, consisting of a President and two members appointed by Government, on the recommendation of the Director of Public Instruction, for a term of three years. When necessary, the Board may, with the sanction of Government, employ Assistant Examiners. The decision of the Board of Examiners in regard to the qualifications of any student appearing for examination shall be final. The names of all students declared by the Board to have passed a final examination shall be published in the *Fort St. George Gazette*. After completing the annual examinations, the Board shall submit a report to Government, through the Director of Public Instruction, summarising the results of the examinations. It may record in the report any observations of a general nature bearing on the working of the college, or make any suggestions it may consider expedient, provided such observations or suggestions arise naturally out of the examination work which the Board has to perform. The report shall be signed by the President and members of the Board.

EXISTING RUL[ES]

Article II.

The admission and all final examinations w[...] independent Board of Examiners, consisting [...] members, to be appointed by Government fo[r ...] They shall receive such remuneration as shal[l ...] fixed by Government. When necessary, th[e ...] sanction of Government, employ Assistant Exa[miners ...] the Board of Examiners in regard to the qual[ifications ...] appearing for examination shall be final. T[...] declared by the Board to have passed a fi[nal ...] published in the *Fort St. George Gazette*. Aft[er ...] examinations the Board shall submit a repor[t ...] the Director of Public Instruction, summari[sing ...] examinations. They may record in the repo[rt ...] general nature bearing on the working of t[he ...] suggestions they consider expedient, provid[ed ...] suggestion arise naturally out of the exa[mination ...] Board have to perform. The report shall be [...] and members of the Board.

(ii) The examinations for admission to the several classes shall be conducted by the college staff.

ARTICLE XVI.—DIPLOMAS AND CERTIFICATES.

The following diplomas and certificates shall be issued to students who satisfactorily complete their courses of study :—

(i) *Engineer and Engineer Subordinate classes.*—On the completion of the course in the college a provisional certificate signed by the Principal and the President of the Board of Examiners, shall be issued, showing that the candidate has passed the final examination. On the completion of the practical course, a diploma signed by the Principal and the Director of Public Instruction, shall be issued, setting forth the qualifications of the student for employment as a Civil Engineer, a Mechanical Engineer, or as an Engineer Subordinate.

(ii) *Sub-overseer and Surveyor class and Draftsman class.*—On the completion of the course, a certificate signed by the Principal and the President of the Board of Examiners shall be issued, stating that the student is qualified for employment as a Sub-overseer and Surveyor or as a Draftsman. A student who has passed the final examination of the Engineer subordinate class, and who elects not to proceed to the practical course, shall be granted a certificate of qualification as a Sub-overseer.

(iii) *Maistry and Artisan class.*—On the completion of the course, a certificate of attendance signed by the Principal shall be issued.

ARTICLE XVII.—EMPLOYMENT OF PASSED STUDENTS.

(i) *Engineers.*—One appointment annually as apprentice Engineer shall be conferred on the student who stands highest at the final examination. The apprenticeship shall commence on the 1st January following the examination, and shall ordinarily extend over twelve months, when the apprentice, provided he has passed the B.E. degree Examination of the Madras University, shall be brought on the permanent establishment of the Public Works Department, Provincial service, as Third-grade Assistant Engineer. Other fully qualified Engineer students are eligible for appointment to the Upper Subordinate establishment of the Public Works Department, but first appointments shall not, as a rule, be made in a grade higher than that of Overseer, third grade.

(ii) *Engineer Subordinates.*—The number of appointments as Overseers, third grade, which are likely to be available for each batch of students on the completion of the practical course shall be as notified six months before the final examination. The appointments shall be made on the termination of the practical course in the order of merit at the final examination. Vacancies existing after the guaranteed appointments have been made may be filled by fully qualified Engineers or Engineer Subordinates. Military students required for the Public Works Department shall be appointed apprentice Overseers at the commencement of their final year's course—*vide* article IX. In alternate years, commencing from 1899, one appointment to the Engineer establishment, Provincial service, will be offered to a senior selected Upper Subordinate of the Public Works Department.

and fulfilled the conditions of para 11, Chapter III, Vol. I, P. W. C

EXISTING

ARTICLE VII.—

(*a*) The Board of Examiners shall certificate to each candidate setting he has qualified ; but, in the case of Engineer Subordinate classes, the fi a diploma, shall be issued under the s college and of the Director of Public student concerned has satisfactorily tical course.

ARTICLE X.—PROSPE

(1) *Civil and Mechanical Enginee* prentice Engineer in the Provincial Department will be offered to the st highest on the list at the final examina the degree in Engineering of the Mad

(2) *Civil and Mechanical Enginee* Vacancies in the overseer grades of will, as a rule, be filled by fully q Mechanical Engineer or Engineer case of non-Military students, no such grade of the subordinate establishme of the third grade, except under sp Notice will be given about six months the college of the number of such app

vide G.O. 759 9-12-90

s way will receive a
ch he has attained,
until he has satis-
rse. A Draftsman
second or third class
year on payment of
ing for a certificate

escribed in paragraph
ette in a separate list.
article VII (*b*) shall
Civil or Mechanical
vely, on works being
ubject to such order
clause (iii) of article
d.

RAL.

with the text-books in
nts (except surveying
of Military students,
ing rules of the insti-
be expected from all.

AL.

hall not be under the
t officers under whom
Works Department
their progress in such
Government.

RSES.

will be debitable to the
urse extends from 1st

REMARKS.

Authorised by G.O., No. 525, Educational, dated 21st June 1895. Goct. 1912 W 21.8.95

New.

This is very necessary to prevent loss to Government.

Vide G. O., No. 560, Educational, dated 28th July 1892. Goct. 2229 W 12.8.92

:S.

nt appointments available
urveyors only; but, when
ed for special surveys not
nate staff, the officers in
ployment none but passed

ationary Deputy Surveyors,
ject of rasing eventually to
on Rs. 250.

of this class will be
tment as Draftsmen and
e of instruction having been
having been raised, passed
o the improved salaries for
ll be notified hereafter.

all reasonable assistance to passed
e Works Department, in seeking
other agencies. With this view,
nents, conduct, &c., will be circu-
ties, with recommendations that
nities offer.

ERTIFICATES.

ain a certificate from the
efore the Board for exam-
is certified to have put in
pays a fee as follows :—

	RS.
.. ..	30
.. ..	20
.. ..	10
.. ..	10

REMARKS.

The first two sentences of the revised rule are understood to embody the views of the Chief Engineer, Public Works Department, in regard to the development of the present Surveyor class.

The last sentence of existing article X (3) is not now necessary.

The Principal considers that casual students may be admitted into the Engineer class with much advantage as the number of regular students seeking admission is below the limit provided in the rules. The provision is permissive.

The scale of fees has been raised and is in each case a fifth more than that prescribed for regular students.

REVISED RULES.

(iii) *Sub-overseers and Surveyors.*—Qualified Sub-overseers and Surveyors will be appointed to the Public Works Department as Sub-overseers as vacancies occur. They will be eligible also for employment as Channel Superintendents. When the services of temporary men are required for special surveys not undertaken by the Public Works subordinate staff, the officers in charge are instructed to select for such employment none but passed Surveyors of the college. Qualified men may be appointed Probationary Deputy Surveyors, Madras Survey, on Rs. 50, with the prospect of rising eventually to the rank of Sub Assistant Superintendent on Rs 250.

(iv) *Draftsmen.*—Qualified Draftsmen will be appointed to the Public Works Department as Draftsmen and Estimators as vacancies occur.

NOTE.—It shall be the duty of the Principal to render all reasonable assistance to passed students who may not be appointed to the Public Works Department, in seeking employment under local boards and municipalities and other agencies. With this view lists of qualified men, with remarks as to their attainments, conduct, &c., shall be circulated annually to local boards and municipalities, with recommendations that they may be employed in suitable posts when opportunities offer, and the attention of such boards should be invited to G.O., No. 2773 L., L and M., dated 12th December 1893.

ARTICLE XVIII.—CASUAL STUDENTS.

(i) Applicants who pass the entrance examination, and who produce certificates of good health and good character, make the usual deposit and pay the prescribed fees may be admitted as casual students to the Engineer class, provided that accommodation is available for them. They may present themselves for the term and final examinations, and if they pass they will receive provisional certificates issued to successful students at the end of the college course; but they shall not be eligible for guaranteed appointments or for scholarships or prizes or for the free practical course.

(ii) Other casual students may also be admitted to the Engineer class for one or more terms, on payment of the prescribed fees, for instruction in special subjects, provided that they possess sufficient general education to follow and profit by the instruction given and that accommodation is available for them. They shall not be eligible for any of the college examinations, but may receive a certificate of attendance.

ARTICLE XIX.—INDEPENDENT CANDIDATES.

(i) A student of any of the college classes who has failed to obtain a certificate from the Board at the final examination, may appear before the Board for examination in any subsequent year, provided he is certified to have put in the necessary attendance at the college, and pays a fee as follows :—

	RS.
Engineer candidates	30
Engineer Subordinate candidates	24
Sub-overseer and Surveyor candidates	18
Draftsman candidates	12

18

EXISTING

(4) *Surveyors.*—There are no pe
in the Public Works Establishment
the services of temporary men are
undertaken by the Public Works s
charge are instructed to select for su
Surveyors of the College of Engineer

Qualified men may be appointed
Madras Survey, on Rs. 50 with the
the rank of Sub-Assistant Superinten

(3) *Draftsman.*—Certificated st
appointed to the Public Works I
Estimators as vacancies occur. The
extended and the standard for certif
students under these rules will be ent
the different classes of Draftsmen whi

NOTE.—It is the duty of the Principal to re
students who may not be appointed to the
employment under Local and Municipal Board
lists of qualified men, with remarks as to their
lated annually to Local Fund Boards and Mu
they may be employed in suitable posts when o

PART OF ARTICLE VI

(*b*) A candidate who has failed t
Board at the final examination may ap
ination at any subsequent year, provid
the necessary attendance at the college

Civil and Mechanical Engineers	
Engineer Subordinates	..
Draftsmen	..
Surveyors	..

REVISED RULES.

(ii) In the case of a candidate for certificate as Draftsman, the proviso that he has previously gone through the college course will not, for the present, be exacted.

(iii) Candidates who qualify in this way shall receive the certificates referred to in Article XVI and their names shall be published in the *Fort St. George Gazette* in a separate list. Engineer and Engineer subordinate independent candidates shall not be eligible for diplomas until they have satisfactorily completed the practical course.

ARTICLE XX.—REGISTERS AND ACCOUNTS.

(i) The following registers shall be kept :—
(1) Register of admissions and withdrawals for each class.
( ) Monthly register of attendance, fees and fines for each class.
(3) Acquittance roll and pay abstract.
(4) Library catalogue and register and inventory of valuable stock.
(5) Register of scholarships.
(6) Register of expenditure on contingencies.

(ii) The register of valuable stock shall be scrutinized every year, the work being entrusted in rotation to one of the senior members of the Staff, who shall certify to the correctness of the stock and the entries in the register.

ARTICLE XXI.—MISCELLANEOUS.

(i) All civilian students shall provide themselves with the prescribed books and drawing instruments. They will be non-resident. Strict observance of the standing orders of the institution as regards attendance, discipline, &c., shall be required from all.

(ii) The practical course ~~commences on 1st January and terminates on 31st December.~~ Students during their practical course shall not be under the supervision of the Principal, but officers under whom ~~they~~ are serving will be required in the Public Works Department to furnish to the Principal half-yearly reports of their progress in such form as may from time to time be prescribed by Government. All allowances during the practical course shall be debited to the Public Works Department.

~~Such students~~ will extend over a complete year, and this period will be reckoned from the dates on which the students join their divisions.

EXISTING RULI

A candidate who succeeds in qualifyin certificate setting forth the class of study but he will not be eligible for the final ce factorily completed the prescribed practic or Surveyor who has obtained a certificate i may also appear for examination in a subse the fee prescribed above, with the view of in a higher class.

(*c*) The names of the candidates passing (*b*) will be published in the *Fort St. George*

Students who obtain their certificates be entitled to receive practical instructio Engineers or as Engineer subordinates res carried out by the Public Works Departm as may be passed by the Chief Engineer, XI shall apply to such students whilst so en

PART OF ARTICLE XI.—

(2) All students must provide themsel use and with the necessary apparatus, inst instruments), &c. They will, with the exce be non-resident. Strict observance of the s tution as regards attendance, discipline, &c.

PART OF ARTICLE XI.—

(3) Students during their practical cou supervision of the Principal of the Colleg they are serving will be required in the P to furnish to the Principal half-yearly repo form as may from time to time be prescribe

ARTICLE IX.—PRACTICAL

All allowances during the practical cour Department of Public Works. Each year

(iii) The provisions of the Educational Rules relating to accommodation and sanitation, discipline, dress, periodical examinations and punishments, shall apply *mutatis mutandis* to the college, in so far as its special character permits of their application.

(iv) The Principal shall invariably obtain the previous sanction of the Director for any deviation from the prescribed rules.

(v) Extracts from this code of rules with such alterations as may have been sanctioned during the preceding twelve months, shall be published every year by the Principal in the first issue of the *Fort St. George Gazette* in January.

January to 31st December, and allowanc
the full period. During the first year o
will be a vacation extending from 1st Ma

Revised Rules of the College of Eng-

Ed-530-27/8/96

9

Educational (1897) Department.

CURRENT No. 697

C-565 177/97 203/97

From

The Dir. of Pub. Instruction,
Madras.

Order.

No. 6260

Dated 12 June 1897.

Received 16 JUN. 1897

Registered 16-6-97

Enclosures 1

Spare copies

SUBJECT.

Resubmitting with ... remarks and alterations the revised draft paragraph 1335 Volume II, Army Regulations, India.

DESPATCHED
15 JUN. 97

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Educational

~~Local & Munl.~~ (1897) Department.

CURRENT No. 1501

4 heavier orders

560/92 about Coll. Eng. rules

Order

Memo.

From The Public Works Department

SECRETARIAT TO GOVERNMENT 15. DEC.-1897 LOCAL & MUNICIPAL DEPARTMENT No. 5724C

Dated 14th December 97

Received } 15-12-97
Registered }

Enclosures

Spare copies

SUBJECT.

Stating that the practical course of an Engineer or an Engineer-Subordinate Student terminates on the last day of the Calendar year namely 31st December

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No. 5424C

Government of Madras.

PUBLIC WORKS DEPARTMENT.

Memorandum.

Dated 14th December 1897.

With reference to Endorsement of the Superintending Engineer, II Circle, No. 2473 K.N., dated 5th December 1897, the undersigned has the honour to state that the practical Course of an Engineer or an Engineer-Subordinate Student terminates on the last ~~year~~ day of the Calendar year, viz 31st December unless the aggregate leave taken by him during the year of his practical course exceeds one month, in which case, his practical course should be extended by a period equal to such excess.

To The Suptg. Engineer II Circle.

for Ag. Chief Engineer.

Copy to,
Other Suptg. Engrs.
The C.A. To Govt.
,, Examiner P.W. Accts.

~~Copy to,~~

The Director of Public Instruction.
,, Principal College of Engineering, MADRAS.
,, Secretary to Govt. Local & Munl. Department.

with the remark that the rules of the College of Engineering do not embody the instructions contained in par. 2(6) of G.O. No. 560 Educational dated 28th July 1892.

(Thro' the Chief Engineer P.W.D)

Educational (1898) Department.

~~P.W. CURRENT No. 665~~

560/92 Labor

~~62~~ 68

CURRENT No. ~~159~~ 28

From The Dir of Pub. Instruction Madras

~~**Order**~~ Sub. No 6346 d/ 3 Feby/98

Forwarded.

The proposed amendment is in accordance with orders already issued by Government.

[signature]

Ag. Chief Engr.

No. 515

Dated 24th January 1898.

Received }
Registered } 25.1.98

Enclosures nil

Spare copies

Recd } 7.2.98.
Read }

SUBJECT.

Subg for approval certain correction in the draft revised rules of the College of Engineering now before Govt. -

DESPATCHED 24 JAN 1898

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

(Thro' the Chief-Engineer P.W.D)

Educational (1898) Department.

P.W. ~~CURRENT No. 1206~~

~~P~~ 870

238886

No 1031 C D/19-2-98

~~Order~~ Endorsement.

Forwarded.

2. The Chief Engineer has no objection to offer to the Director's proposal, but it would perhaps simplify matters if, instead of a Treasury receipt, a Court-fee label of one Rupee were attached to each application.

(By order)

G. W. Munay

Ag. Deputy-Chief Engr P.W.D.

Recd 20-2-98
Regd 21-2-98

G Rules

UNDER SECY TO GOVT 20 FEB 9

DESPATCHED - 8 FEB 1898

Coll. Engg rules

From The Dir of Pub. Inst. Madras

No. 1204-

Dated 8th February, 1898.

Received } 9-2-98
Registered }

Enclosures nil

Spare copies

7010/97 SUBJECT.

Requesting to make certain alterations in the draft revised rules of the College of Engineering in regard to the registration fees paid by candidates for admission to the College class.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

[G. / 25]
500—8-12-97.

c 6/8
r 8/8

Educational DEPARTMENT.

C. Nos. 151, 697 & 1501 of 97 & 159 & 238 of 98.

SUBJECT.

Rules of the College of Engineering.

Forwarded to the Chief Engineer PWD with special reference to the first remark on p. 18 of the printed draft rules, for favour of c.i.
H.T.
3.8.98.

Returned with a few notes on some of the proposed Rules
[illegible signature]
3.8.98

FOR ORDERS.

These papers relate to the revision of the Rules of the college of Engineering. In the draft [redacted] submitted by the D.P.I. the revised rules & the existing rules are given in parallel columns for purposes of comparison, & important variations are explained in the last column.

Art. I & II

Articles I & II of the revised rules are almost the same as the existing rules.

Art. III

This article is new. In clause (IV) it is provided that the Professor of Mathematics may be an Officer of the Provincial Educational Service. With reference to this the Director of Public Instruction notes* that in the recent re-organisation of the Educational services, "three Professorships have been transferred from the graded to the Provincial Service. As Professorships are attached only to the Presidency College and the College of Engineering, clause (IV) of Art. III being

* In his letter d. 19th Decr. 1896 read with C. No. 151.

III has been so worded as to allow of one of the Professors of the College of Engineering, viz, the Professor of Mathematics, being an officer of the Indian Educational Service or the Provincial Educational Service. Major Love considers that both the Professors should be of Indian Educational Service. But this would handicap the Presidency College permanently; there is moreover no reason to suppose that officers possessing the necessary qualifications for the post of Professor of Mathematics in the College of Engineering cannot be found from among the members of the Provincial Educational Service. The standard of mathematics required for the degree of Bachelor of Engineering is not so high as that required for the degree of Bachelor of Arts". It may be noted that at present the Professorship in Mathematics in the College of Engineering is held by an officer of the Provincial Educational Service. The article, it is submitted, may be approved.

Art.IV.

The development of the Surveyor class into a Sub-overseer and Surveyor class was sanctioned in G.O.444/22-7-96 Ed. Flag B.

Art.V.

This article has been drawn up in accordance with the changes sanctioned in G.O.No.444/22-7-96 Ed. The subjects of study and the marks assigned to them will be found at the place marked with Flag C

B. Hanumanta Rau.

14.7.

AA.

96
AA

original-
Flag C, and the minima for pari-
the place flagged D, in the Gl of the D.P.I. G.O.44 is
Ed. The separate minima for the
man class will be found at the
flagged H. In his letter record
G.O.444/22-7-96 the Director of
Instruction stated that no minimu
surveying need be demanded in t
case of Engineer Students. The Dire
now states that the Principal of the
College of Engineering considers that
Surveying is an equally important sub-
ject, and provides that one-third of the
marks assigned therefor should be ob-
tained. Further, he considers that
science is also an important subject,
and prescribes a fourth of the marks
assigned to it.

In the curriculum for the Drafts-
man class, the two subjects of Geometri-
cal and Perspective Drawing and Free-
hand and Model Drawing have, on the
recommendation of the Principal of the
College of Engineering, been combined
into one.

These changes may be approved

Art.VI.

In this the Director of Public
Instruction has raised the maximum number of students limit of admissible into the Draftsman's
class from 25 to 30 and that for the
Maistry and Artisan Class from 30 to 40.
The limit of the new Sub Overseer and
Surveyor class has been fixed at 30, the
limit for the existing Surveyor class
being

AA. 14.7.

AA

III ...These changes may be approved
...VII-calls for no remarks.
of ...t.VIII.
En...

...the case of Engineer and
...r Subordinate classes, the age
...for admission has been extended
...e year, as the Upper Secondary
...se has been extended by one year;
... Drawing has been added to the list
... subjects for the entrance test. The
...irector of Public Instruction notes
that Drawing is now a compulsory subject
of instruction in the Upper Secondary
forms and that an elementary knowledge
of it may be expected from all under-
graduates. It is also noted that Govt.
has sanctioned Drawing to form a subject
of the entrance examination for the
Surveyor and Draftsman classes - vide
para 2 of G.O.128/28-2-94 Ed. Flag T.

As regards the Artisan class
the Director of Public Instruction
writes(Vide C.No.238 of 98):-

"The Principal has brought to notice
that the majority of the applications
for this class are received from candi-
dates, who are not fully qualified for
admission and who are tempted to make such
...pplications on trial, either after the
...escribed date or with a knowledge of
their disqualification, under the
impression that, should their applications
be not registered, they can obtain a
refund of the registration fee paid by
...w them. Thus the object of the imposition
of

of registration fees which was originally intended as a check against frivolous applications of this Govt. is frequently defeated. I therefore beg to suggest as recommended by the Principal that the registration fee be raised from annas 8 to Re.1 and that it be ruled that the fee be ordered to be paid into some Govt.Treasury, the treasury receipt being attached to the candidate's application and that a fee once paid should, on no account, be refunded. It is also recommended by the D.P.I that the fee is now generally sent in the shape of postage stamps which it has been found difficult to dispose of. Submitted that the Director of Public Instruction's proposal may be approved. The Chief Engineer suggests that it would simplify matters if, instead of a treasury receipt, a court fee label of one rupee were attached to each application; this suggestion cannot be approved, as in that case, the fee will not be credited to the College.

Art.IX.

This article has been amplified so as to correspond to the revised paragraph 1335, Army Regulations, India, Vol.II, Part I. In G.O.No. 177 Ed., d/22-3-97, flag P, the Director of Public Instruction was asked to revise in accordance with the suggestion of the Chief Engineer and to make in the

+ That the payment of the fee into the treasury, as suggested above, will remove the difficulty is will not be suppicient. Into what treasury for instance should an applicant in Madras to his rupee, or in Bangalore. Moreover it is not always easy for such a applicant to get attended to in treasury. Payment by Money order may be ed as an alternative. the word "...asury" add remitted i. Money order." the word "November" add If the payment be made by Money order particulars must be entered in the coupon to be retained by the payee." The draft submitted by him with his letter (C.No.913 of 96) d. 22-7-July 1896

the draft separate provisions for the payment of travelling allowances, as it was not governed by the Civil Service Regulations. The Director of Public Instruction submits a revised draft in C.No.697. In it(vide clause d) the D.P.I. has made the entrance examination for the Military Students to correspond in every respect with the entrance test for the Engineer Subordinate Students prescribed in the previous article. This may be approved.

With reference to clause(l) it is stated by the D.P.I. that the Principal of the College of Engineering recommends that the amount of the monthly college allowance be raised from Rs.10 to Rs.11, as is the case at Rurki. The D.P.I. has no objection to the proposed increase but he has not altered the figure in the draft pending the orders of Govt. Submitted that the rate of allowance may be raised. In reference to this Major Love remarks that "As the rules are to be assimilated to those applying to Rurki, there appears no reason for a difference in the rate of college allowance. Rurki already possesses superior attractions in regard to guaranteed appointments, and it appears that the east that the Madras College can do s to equalise pecuni ary inducements".

Clause(q) of the draft, has been altered so as to embody the concessions granted to the soldier students of the

Madras

|W. AH

2 (IV) of current.

|W. AH.

(q) I find relates to C.No.6..
The D.P.I.'s recommns are of
AH

There is no (q). I suppose (v) is meant, and that the alteration consists of the word... "of Madras & Bur..." - AH

Vide top of page 14 of the printed draft rules
AH

I don't see anything in G.O. 128 / 8 Sp. 94 flag T about Native Christians being specially encouraged. Where is this to be found. AH

W

AH

Put this up.
There ought to be very strong reasons for such an enhancement. AH.

I think considering the narrow means of the students that this is a mistake more specially as the term fees proposed to be raised. The S of S merely suggested the consideration of the matter. The Exam. stipends might be reduced.
AH.

W

Madras College in respect of appointments in the P.W.D., Burma, vide G.O.No. 203 Ed., d/7th April 1897 - Flag O.

Submitted that the revised draft of para 1335 of Army Regulations India Vol.II, may be approved, and that Art. IX of the revised rules be altered in accordance therewith.

Art.X.

The monthly rate of fees for the Sub-Overseer and Surveyor class has been raised from Rs.4 to Rs.5 and the term fee from Rs.18 to Rs.28. This may be sanctioned in view of the reconstitution of the class.

The scale of term fee has been fixed on the principle followed in the School-fee-Notification in respect of Arts Colleges.

The scale of fees for the final examination has been raised with a view to make the examination as nearly self-supporting as possible. This may be approved as the Secretary of State has recently suggested their enhancement - vide G.O.No.349 Ed., d/11-6-98 Flag U.

Art.XI.

The D.P.I. has provided for the award of three Scholarships in each class on a moderate scale. One Scholarship in each class will be reserved for Muhammadans, Native Christians or Europeans, as special encouragement

encouragement is needed for these classes to join the College. The Scholarships provided for the Engineer class are in accordance with G.O.No.128 Educl., d/28-2-94, Flag T. The change made in the duration of the Walker Scholarship is in accordance with G.O.No.518 Ed., d/24-8-96 Flag W.,. The number of Scholarships for the Engineer Sub.class, the Sub-overseer & Surveyor class and the Draftsman class has been raised and their value slightly reduced. These changes may be approved.

The stipends to be awarded in the College Work-Shops are those sanctioned in G.O.No.182 Ed., d/25-3-97 flag K.

Articles XII, XIII & XV & XVI call for no remarks.

The additions now made to Clause(V) of Art.XIV are in accordance with G.O.No.560 Ed., d/28-7-92-Flag L, & may be approved.

Art.XVII.

The P.W.D. suggests that in clause (i) after the words "B.E.degree Examination of the Madras University" should be inserted the words "and fulfilled the conditions of para 11, Chapter II, Vol.I, P.W.D.Code." This appears to be necessary and may be approved.

It is also suggested that the words "are likely to be available" should be substituted for "will be available" in the second line of clause (ii). This is in accordance with G.O.No.759 Educl., d/9-12-98, (flag V) and may be approved.

Art.XVIII.

This article is new and may be approved, as it appears to be necessary. Casual students are admitted to Medical and other Colleges, (eg the Coll. of agriculture Saidapet)

Art.XIX.

Clause(ii) of this article is in accordance with G.O.No.525 Ed., d/21-6-95 (Flag M). The concession is only temporary.

Art. XX

This article is new. There is no objection to the provisions made for an annual examination of the valuable stock.

Art.XXI.

Clause(ii) This clause makes no mention of the vacation of 6 weeks allowed during the practical course. It has apparently to be discontinued as the duration of the course has been shortened. Vide G.O.No.807 Ed., dated 7-10-95 Flag G.

There is no objection to the discontinuance of the vacation (vide G.O.560 Educl., d/28-7-92. Flag L.)

27-7-98

1/8/98

3.8.98

The first & last alterations noted in the margin of the C.S.O. note attached, may also be approved.

5-8-98.

Public Works Department.

N o t e .

Rules of the College of Engineering.

Art.I. I should add
iii. The College will also provide technical instruction to maistries and artisans.

Art.III. I have been in correspondence lately with the Director of Public Instruction about the College staff, and I presume the staff herein provided represents his proposals in the matter, as sanctioned by Government. If not, I think it would be well to settle the -- constitution of the staff finally before the new rules issue.

Art.V(5). Maistry & Artisan Class.
I see no provision for instruction in the practical details of rubble masonry, brickwork, carpentry, smiths work etc. This seems to me to be the most -- essential portion of the work of this class.

Art.VIII(2). Why not make the age limit 22 years as in the other classes?

Art.IX(iv). The monthly College allowance should apparently be Rs.

May be accepted.
Art. VIII (5) p. 10
H.T.

The new rules need not wait for ~~any~~ consideration of any alterations in the Staff suggested by the C. E. It can be altered at any time.
H.T.

"Students are expected to appear for the elementary grade of the Govt. Tech. Exams" in Building Materials & estimating. Please see p. 1. of Govt. Tech. Exams
H.T.

See remark on p. 8. Because the Upper Sec.y Course has been extended by a year.
H.T.

This has been dealt with on p. 6 of office note
H.T. 5.8.98

MADRAS RECORD OFFICE.

Rs. 11 and not Rs. 10.

XXI Art. XX(ii). An alteration in the date of commencement of the practical course has been lately sanctioned, and should be embodied in the rules.

Please see G.O No. 1858 dated 22nd July 1898 (Flag Z.)
The first section of the rule may be amended as follows. "The practical Course will extend over a complete year, & this period will be reckoned from the date on which the students join their divisions."

Chief Engineer P.W.D.

a/s 5/8/98. H.H. 6.8.98

H.T. 5-8-98.

[G. / 18] 50-28-5-98.

C. No.

Rules of the College of Engineering.

Flag II.

NOTE FOR THE Secretary.

On page 7 of the note for orders H.M. asks where any thing is to be found about native Christians being specially encouraged.

It is requested that reference may be made to para 5 of the letter of the D.P.I dated 9th Jan. 1894 read with G.O. 125 / 28-2-94 Ed. (Flag T.)

In that letter the D.P.I recommended the institution of four scholarships of Rs. 12 per mensem for the Engineer class, three to be paid in order of merit at the entrance exam., & the fourth to be reserved for a Muhammadan, or a native Christian or a European who does not get the merit scholarship, but who is otherwise found qualified for admission into the class. The Govt preferred to accept the proposal of the Principal of the Coll. of Engineering

MADRAS RECORD OFFICE

[R.O. / 10] 5,000

to have three scholarships of Rs 15 each instead of four of Rs. 12 each. The D.P.I has now ~~in accordance with the G.O. (Flag III)~~ reserved one of these three scholarships for Muhammadan native Christian, or European students on the ground that it is necessary to encourage students of these classes. He apparently agrees with Mr. Munro, the former D.P.I, that such encouragement is necessary, but his proposal does not seem to have the authority of any G.O.^x
If H.M. thinks it necessary the D.P.I may be asked about it.
The School-fee-notification is shown on p 22^x of the Madras Edl. Rules put up.
With regard to H.M's remark on p 12 of the draft rules, it is regretted that this current was not flagged. It is now flagged IV

A.E.
9/8/98

seen
AA

I cannot find any in the f[ile]
A.E.

^x marked with red tape

Very well. Let this increase stand but not ~~the~~ increase of exam. fee.
AA

I agree.
AA 1.8.98.

H.M. The proposal seems a good one & can stand on its own legs.
H.T.
10 8 98

[G/24]
5.0 -16-5-98.

Educational DEPARTMENT.

Papers to be read in Proceedings:—

10 P

Again G.O., dated 189 , No.
Again G.O., dated 189 , No
Current No. 151 of 1897, dated 4th Febry., from the P.W.D. ~~the D.P.I.~~
" " 697 " " 12th June, " the P.W.D.
" " 1501 " 1897, " 14th Decr., " the D.P.I
" " 159 " 1898, " 24th Jany.,
" " 238 " 1898, " 8th Febry., " the D.P.I

Issue
A.E. 19.8.98

ORDER. No 530 d/ 22-8-98
P.S.-

The revised rules of the College of Engineering submitted by the D.P.I. are approved with the following modifications; & remarks:-

2. (1) To article I the following clause will be added:—

"iii. The College will also provide Technical instructions to Maistries and Artisans".

(2) Article VIII.(5)(ii).

The Govt. agrees with the D.P.I. that the fee for registration should be raised to one rupee, and the sentence reading - "The fee for registration shall be 8 annas" - will be altered as follows:- "The fee for registration shall be one rupee, which shall be paid into a Govt. Treasury, or be remitted by money order, and which shall on no account be refunded. The Treasury receipt should be attached to the application, which will be received by the Principal up to the first Monday in November. If the paymen[t]
be

be made by money order, particula[r] must be entered in the coupon to be retained by the payee".

(3) Article IX.

This article has been amplified so as to correspond with the revised para. 1335, Army Regulations, India, Vol. II, Part I, which the D.P.I. was asked to revise in G.O.No.177, Educl., dated 22nd March 1897.

The revised draft of para.1335 ~~of the Army Regulations referred to above~~ submitted by the D.P.I. with his letter dated 12th June 1897 is approved with the modification that the amount of the monthly college allowance will be raised from Rs.10 to Rs.11 as recommended by the Principal of the College of Engineering. Article IX of the revised rules will be altered in accordance with the revised para. ~~(4) article X~~

(4) Article X(iii)

The Govt. considers that it is inadvisable to raise the scale of fees for the final examination in view of the fact that the students are generally poor and that it is proposed to raise the term of fees for the Sub Overseer and Surveyor class. It should be considered whether, in order to make the examination as nearly self supporting as possible, the ~~examination~~ examiners' stipends cannot be reduced. The D.P.I. will will be requested to report on this point.

FROM ORDERS.

C. S.

... XIV(v).

... amendment to the 2nd ... of clause V proposed by the ... in his letter dated 24th Jan. is approved.

(6) Article XVII.

In clause (i) after the words "B.E.degree examination of the Madras University" should be inserted the words "and fulfilled the conditions of para. 11, chapter II, Vol.I, P.W.D. Co[de]".

In the second line of clause(ii) of the same article for the words "will be available" should be substituted the words "are likely to be ~~avia~~ available".

(7) Article XXI(ii).

With reference to G.O.No.1858W, dated 22nd July 1898, the first sentence of this clause will be amended as follows:-

"The practical course will extend over a complete year, and this period will be reckoned from the dates on which the students join their divisions."

In the second sentence of the same clause for the word "they" will be substituted the words "such students".

3. The alterations noted above will be carried out in the draft submitted by the D.P.I., which will be forwarded to the Supt. Govt.Press for publication in the Fort St.George Gazette.

4. The revised rules sha[ll] ... into ef[fect] ...

To
The D. P. I.
,, Principal, College of Eng.
,, P. W. D. (with draft of para 1335 of Army Regulations India, vol II Part I ... Encl. to no 1242 8 9th Jany-96)
,, ~~Supt., Govt.Press.~~ Gazette

6.9.98

desp'd 2-9-98

Paper taken out of the ...

Block No. 11

5,000–21-7-09.

be made by money order particula

be entered i be

RS.

Pa

ate t

b

Edn DEPARTMENT

24-8-98

191 f the Referencer.

, DATED

No.

to C. No.

GOVERNMENT.

OF GOVERNMENT.

WITH DITTO.

NOT FILLED UP, BEING MEANT FOR DESPATCH IN ORIGINAL.

A	A	A	A	A	A	A

N.B.—

A = Copy in full.
B = Not to be copied.
P = Copy abstract only.
Q = Copy Heading only

increase
two increase