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Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd.

} 1908.

Enclosures

Regd.

Spare copies

G.O., No. 417, 29th May 1908.

College of Engineering, Madras.

Recording the Proceedings of the Director of Public Instruction reviewing the report on the working of the — during the year 1907.

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செப்பனியுபவர் பெயர்
செப்பனியுபவர்களுக்கு எடுத்துக்
கொள்ளப்பட்ட நாள்

செப்பனியுப முடிந்த நாள் 10/05

Com. 29/5/08
சரிபார்க்கும்
மு.பா.எ.
கையொப்பம்
உதவியாளர்
கையொப்பம்

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following paper :—

Letter—from the Hon'ble Mr. A. G. BOURNE, D.Sc., F.R.S., Director of Public Instruction.

To—the Secretary to Government, Educational Department.

Dated—Madras, the 9th May 1908.

No.—Cur. No. 3370.

I have the honour to submit herewith a copy of my Proceedings, Dis. No. 3390, dated 6th May 1908, reviewing the report on the working of the College of Engineering during 1907.

ENCLOSURE.

Proceedings of the Director of Public Instruction, dated 6th May 1908, Dis. No. 3390.

Read—the following letter from W. H. JAMES, Esq., Principal, College of Engineering, Madras, to the Director of Public Instruction, Madras, dated 18th March 1908, No. 1714-C. :—

I have the honour to submit the Administration Report of the College of Engineering for the year 1907.

2. *Staff*.—Colonel H. D. Love, R.E., ceased to be in civil employ from the 17th September and I assumed charge of the office of Principal on the afternoon of that day.

The period of re-engagement of Mr. R. A. Ryves, temporary Professor of Civil Engineering, terminated and he was relieved of his duties at the college on the 24th October.

Mr. F. E. Morgan, Covenanted Engineer, Public Works Department, joined the staff for temporary duty as Professor of Mechanical Engineering on the 19th September, and was relieved on the afternoon of the 12th November by Mr. C. L. Cartwright who had been selected for the appointment by the Secretary of State. Mr. F. E. Morgan from that date occupied the vacant chair of the Professor of Civil Engineering temporarily.

M.R.Ry. V. S. Gnanaprakasam Pillai, whose services were obtained from the Madras Railway Company for temporary duty as Instructor in Surveying and Drawing, reverted to his permanent appointment on the 31st August 1907.

Sergeant W. C. Old, a First-grade Overseer of the Public Works Department, was appointed Instructor in Surveying and Drawing on probation for one year and joined the college on the 2nd September 1907.

M.R.Ry. K. Srinivasa Aiyangar, the sub. *pro tem*. Additional Assistant Instructor, reverted to the Public Works Department on the 30th April 1907 and M.R.Ry. P. S. Krishna Aiyar, temporary Upper Subordinate, Public Works Department, Madras, who was appointed sub. *pro tem*. Additional Assistant Instructor in his place, joined for duty on the 15th July 1907.

Owing to the formation of additional classes in July in consequence of the introduction of the revised rules, M.R.Ry. B. Lakshminarayana Rau, a temporary Overseer, Public Works Department, was appointed temporary Additional Assistant Instructor from 22nd July to 31st December 1907. He joined his appointment on the 29th July 1907 and reverted to the Public Works Department on the afternoon of the 23rd December 1907.

M. Hadfield was appointed to the newly-created post of Instrument Repairer on Rs. 30—3—45 with effect from 1st March 1907.

Mr. W. C. H. Littlewood, Assistant Instructor in Surveying and Drawing, and M.R.Ry. C. V. Narayanaswami Aiyar, Assistant Instructor in Surveying, were both on privilege leave on half pay for 24 days from 20th and 22nd July 1907, respectively.

M.R.Ry. M. Raman, the College Accountant, was on privilege leave on full pay for 17 days from the 28th October 1907.

I. Narayanaswami Aiyar, the First Assistant Clerk, was on privilege leave on half pay for 20 days from the 4th March 1907.

S. Ramanujam Aiyangar, the Second Assistant Clerk, was under suspension from the 2nd March 1907. He was permitted to return to duty on the 19th August 1907 under orders from the Director of Public Instruction.

3. *Numbers*.—The numbers on the rolls at the end of the year were—

Class.	Practical course.	In College.			Total.
		Third year.	Second year.	First year.	
Engineer class	15	17	17	20	69
Subordinate class	27	34	30	34	91
Sub-Overseer and Surveyor class			10	34	74
Draftsman class			35	30	65
Upper Subordinate class				30	30
Lower				28	28
Total	42	51	122	142	357

* Includes 4 independent candidates.
+ ... 2 casual students.

* Includes 3 casual students.
+ ... 5 Military probationers.

Excluding the students on practical course, the total number actually in the college on the 31st December 1907 was 315. The corresponding totals for the last five years were—

Years.	Numbers.
1907	315
1906	292
1905	293
1904	271
1903	292

The increase in the total for 1907 is due to the formation of the new classes in July last.

The distribution of the students by classes of the community, by districts, and by wealth and occupation of parents is given in Appendices A, B and C. Of the total number, 68.2 per cent. were Brahmans, 18.4 per cent. non-Brahman caste Hindus, 4.4 per cent. Native Christians, 4.4 per cent. Europeans and Eurasians and 4.4 per cent. Muhammadans. The percentage of non-Brahman caste Hindus has fallen a little this year while those for other classes of the community have slightly risen.

As regards districts, Tanjore was represented by 21.9 per cent., Trichinopoly 10.1 per cent., Kistna 9.2 per cent., Tinnevely 7.3 per cent., Coimbatore 6.3 per cent., Gódvári and Malabar 4.7 per cent. each, Madura 4.4 per cent., Madras 4.1 per cent., Chingleput and Travancore 3.8 per cent. each of the total number.

4. *Entrance Examinations*.—In accordance with the revised rules, no entrance examinations were held during the year, but the principle of selection was adopted for the new Upper Subordinate and Lower Subordinate classes, which joined in July.

5. *Examinations of December 1907*.—(a) *Engineer Class*.—The third year division consisted of 17 students. Of these, 16 appeared for the final examination as college students and all passed. The average percentage gained of the total marks was 58.2. One college student appearing as an independent candidate failed. Three ex-students presented themselves for the examination as independent candidates and two passed. The second and first year divisions of the class, 17 and 20 students respectively, appeared for the sessional examinations and obtained 55.9 and 56.2 per cent., respectively, of the total marks.

(b) *Engineer Subordinate Class*.—The senior division contained 34 students and 29 passed out of the 33 who appeared as college students, with one in the first class, and the rest in the second class. The average percentage of marks gained was 56.9.

One college student and seven ex-students presented themselves as independent candidates and 7 passed—the one college independent and six ordinary independent candidates. The intermediate division of 30 students appeared for the sessional examination and secured an average of 59.7 per cent. of the total marks. There was no junior division of this class during 1907 owing to the formation of the Upper Subordinate class under the revised rules.

(c) *Sub-Overseer and Surveyor Class.*—In the senior division of this class there were 38 students, exclusive of one casual student. Of these, 37 students appeared for the final examination as college students and 34 passed. The average obtained was 59.9 per cent. One college student and 17 ex-students presented themselves for the examination as independent candidates, and 10 ex-students passed. The casual student obtained the requisite college marks and qualified for a certificate. The junior division of the class consisting of 34 students appeared for the sessional examination and secured an average of 61.3 per cent. of the total marks.

(d) *Draftsman Class.*—There were 32 students in the senior division. Of these, 31 appeared for the final examination as college students and 18 passed. The average gained was 54.2 per cent. One college student and 26 ex-students presented themselves as independent candidates and 8 of the latter passed. The junior division of 30 students in the sessional examination obtained an average of 62.4 per cent. of the total marks.

6. *Examination Results.*—The percentages of marks, under the several subject heads, gained by the senior divisions of the classes are given in Appendix D together with the corresponding figures for the preceding four years.

7. *Honours and Distinctions.*—The college medals were awarded to the following students of the senior class divisions of 1907:—

Gold Medal	Engineer class	P. V. George.
Silver do.	Engineer Subordi- nate class	T. Keshava Rau.
Bronze Medal	Sub-Overseer and Surveyor class	K. Vaidyanathaswami Aiyar.
Do.	Draftsman class	T. Tirukkottiyur Nambi.

The DeWinton Gold Medal was on the results of the examinations of 1907 awarded to Engineer student M. S. Duraiswami Aiyangar for proficiency in Hydraulic Engineering. The University "Rao Bahadur S. Subbaraya Chariar" Gold Medal was gained by B. Sundara Rau and the University "J. A. Jones" prize for Hydraulic Engineering was divided between C. Balakrishna Rau and S. H. Lakshminarasappa.

8. *Practical Courses.*—Fifteen Engineer and 27 Engineer Subordinate students were under practical training from February 1907. Six of the Engineer students, including the senior student, desired to become Mechanical Engineers, and they accordingly proceeded for workshop training—3 to the Public Works Workshops at Madras, 2 to Rezwada, and 1 to Dowlaishweram. Nine who elected to become Civil Engineers joined Public Works Divisions. Four of the Engineer students who had failed in the College Practical Examination in surveying attended the survey camp held at Ranipet in July 1907 for about a fortnight for further instruction, their practical courses being extended without stipend by a corresponding period. The practical course of another Engineer student was extended by one week owing to his absence on leave.

The Engineer Subordinate students were attached as usual to Public Works Divisions for practical training. The reports received from Executive Engineers were generally favourable. Five of the Engineer Subordinate students, who, though successful at the final examination, had not satisfied the College Staff in practical surveying, attended the survey camp for further instruction for about a fortnight and their practical courses were extended that extra time. The courses of two other students were extended in consequence of their absence on leave and the course of another for six months on account of the very unsatisfactory reports received regarding his progress from the Executive Engineer.

All Engineer and Engineer Subordinate students with one exception attended the Body Guard Riding School for instruction in riding.

9. *Military Students.*—The number of Military students at the end of the year was as follows:—

Practical course	Nil.
Engineer Subordinate class, senior division	1
Do. do. intermediate division	1
Upper Subordinate class, junior division	4
Probationers	5

10. *Survey Camp.*—The annual survey camp was held during the months of July and August near the towns of Ranipet and Wallajapet in the district of North Arcot and extended over a period of 28 working days. Mr. R. A. Ryves, the temporary Professor of Civil Engineering, was in camp throughout the time and controlled the work with the aid of the Instructor in Surveying and Drawing, Instructor in Mechanical Engineering and four Assistants. The number of students in attendance was 193. Most of the students were accommodated in temporary hostels managed by committees, each presided over by an Assistant Instructor. This new arrangement proved successful and saved a good deal of time and trouble, and contributed to punctuality in turning out for work. The European and Eurasian students used the College tents. A temporary shed erected by the College, and the military barracks at Ranipet were used as drawing offices. The members of the staff did not spare themselves in the discharge of their duties and the work done by the students during the camp was quite satisfactory. The College is much indebted to Dr. Scudder of the North Arcot American Mission, who very kindly gave the students gratuitous medical treatment and advice.

11. *Inspections.*—In September 1907 the intermediate and the junior divisions of the Engineer class and the senior and the intermediate divisions of the Engineer Subordinate class proceeded under the charge of the Instructor in Civil Engineering, Instructor in Mechanical Engineering and of two assistants to the districts of Gódvári and Kistna and devoted 14 days to the inspection of the important irrigation works in these districts.

In the same month the senior division of the Engineer class accompanied by Mr. Morgan, Temporary Professor of Mechanical Engineering, visited the Divi Pumping Station and connected irrigation works, and the Upper Subordinate class and the senior division of the Draftsman class made a short tour round the works of the Palár anicut system in North Arcot. The total cost of the three tours, in which 183 students took part, was Rs. 1,877-5-0.

Local Engineering works were as usual inspected by the various classes during the year.

12. *Workshop and Laboratories.*—All classes attended the workshop during the course of the year. With our limited accommodation it was only possible to take the Draftsman classes during the time the senior classes were at survey camp.

The practical examinations held in December showed that the students had made fair progress considering the little time they devote to workshop practice.

The only machine added to our equipment was a useful Band-saw, and some difficulty was experienced in finding space for even this small tool.

A considerable amount of testing work was done in the course of the year chiefly in connection with researches on the strength of masonry and of mortar. The time devoted to testing demonstrations with the senior division of the Engineer class was increased as compared with previous years, and it would undoubtedly be of advantage, if the other classes could be afforded opportunities for witnessing testing work, but this is hardly possible with the machine in its present confined position. I can only emphasise the remarks made in previous years regarding the necessity for increased workshop and laboratory facilities. With the introduction of revised courses, the larger Lower Subordinate classes, and the very necessary improvement that must be introduced in regard to workshop and laboratory instruction, our need has become very pressing, and it is hoped that the erection of new buildings will not be long delayed.

13. *Physical Training and Recreation Club.*—Instruction in gymnastics and Drill was given as usual. The exhibitions of drill, which consists now mainly of physical exercises, by the several classes at the end of the year were satisfactory, but the gymnasium performances of some students left a good deal to be desired.

The Recreation Club was in a flourishing condition and representative teams took part in the various competitions held by the Madras Collegiate Athletic Association. The college was successful in gaining His Excellency the Governor's Cup in the Football Championship and also the Cup in the Wilson Football Tournament, was third in the Stocks Hockey Tournament, and second for the Travancore Athletic Trophy. Cricket in the college is now at rather a low ebb.

In the class matches the senior division of the Engineer Subordinate class won both the Cricket and Football Cups and the intermediate division of the same class the Hockey Cup.

Acknowledgment is due to Mr. Reynolds, Mr. Webster and M.R.Ry. Subrahmanya Aiyar for the interest they took in the affairs of, and the services they rendered to, the Club.

14. *Library.*—The work of re-arranging the library books and preparing a new catalogue which was commenced last year is now nearing completion. It was found necessary to continue the restrictions on the issue of books and less use was in consequence made of the library by students. During the year 136 books were added, bringing the total up to 4,695 volumes. The number of books issued to the students and staff were 1,344 and 413, respectively, against 1,080 and 598 in the previous year, while 146 references were made to the Consulting Library.

15. *Attendance and Conduct.*—The percentage of numbers present to numbers on the rolls of the college was 96.2. Particulars are given in Appendix E. The conduct of the students during the year was satisfactory.

16. *Casualties.*—I regret to have to report two fatal cases of illness in the Sub-Overseer and Surveyor class.

17. *University Examinations.* Four students of the senior division of the Engineer class appeared for the B.E. Degree Examination in January 1907 and three passed in the Mechanical Branch. Seven ex-students also presented themselves for the examination, and four were successful in the Civil Branch.

There were thirty-nine candidates for the First Examination in Engineering, of whom 13 were second-year students, 15 third year and 6 ex-students. Thirteen were successful in all, of whom five were second-year and the remainder third-year students.

18. *Employment of Passed Students of 1906.*—Of the 13 Engineer students who completed the practical course early in 1907 the senior K. V. Sankara Aiyar was appointed Assistant Engineer in the Provincial Service of the Public Works Department on Rs. 250 and ten others obtained employment as follows:—

Local Fund Assistant Engineers	2
Revenue Department (Minor Irrigation Supervisor)	1
Local Fund First-grade Overseer	1
Temporary Overseers, Public Works Department	4
Temporary Upper Subordinates, Public Works Department	2
Total	10

No information has been received regarding the remainder.

Engineer Subordinates.—Thirty-one Engineer Subordinates completed the practical course early in 1907. The senior G. Seturama Aiyar was appointed a permanent Upper Subordinate, third grade, in the Public Works Department on Rs. 60. The remaining 30 secured employment as under—

Temporary Upper Subordinates, Public Works Department	6
Temporary Overseers, Public Works Department	20
Local Fund Overseers	2
Overseer, Native State	1
Surveyor, Bombay Presidency	1
Total	30

Sub-Overseers and Surveyors.—Of the 28 Sub-Overseers and Surveyors who passed out in December 1906, 14 obtained employment—

Sub-Overseers, Public Works Department	3
Local Fund Sub-Overseer	1
Surveyors, Public Works Department	3
Surveyors, River Conservancy Section, Public Works Department	2
River Conservancy Inspector	1
Anicut Superintendents	2
Revenue Department (Minor Irrigation Sub-Overseer)	1
Overseer Draftsman to the District Medical and Sanitary Officer, Guntur	1
Total	14

The remainder have furnished no information.

Draftsmen.—Of the 18 Draftsmen who obtained certificates in December 1906, 15 secured employment as under—

Draftsmen, Public Works Department	4
Temporary Draftsman, Sanitary Engineer's Office, Madras	1
Draftsman, Public Works Department, Mysore	1
Do. do. Cochin State	2
Do. do. Burma	2
Local Fund Sub-Overseers	2
Draftsman, Local Fund Department	1
Do. Harbour Trust Board Engineer's Office	1
Tracer, Public Works Department	1
Total	15

The remaining three students have furnished no information.

Particulars of the vacancies notified during the year are given in Appendix F.

19. *Revision of Rules.*—The revised rules were introduced on the 1st April 1907, and the following are briefly the principal changes:—

(1) The substitution of the Upper Subordinate for the Engineer Subordinate class, and the Lower Subordinate for the Sub-Overseer and Surveyor and Draftsman classes.

(2) The institution of a probationary class for military students.

(3) The raising of the qualification for entry into the Engineer class from the First in Arts to the B.A. Degree Examination, the qualifications for the Upper Subordinate and Lower Subordinate classes being the First in Arts and Matriculation Examinations, respectively.

(4) The extension of all college courses to three years.

(5) The alteration of the college year, which now commences on the 15th July and extends to the end of April when the examinations are held, and the abolition of the Christmas vacation.

(6) The substitution of selection by the Principal for entrance into all classes of the college in place of competitive entrance examinations.

20. *Financial Details.*—This information is given in Appendix G. It will be noted that the receipts of the college amounted to Rs. 23,999-1-1, the charges to Rs. 1,10,494-12-6, and the nett cost of the institution therefore to Government was Rs. 86,495-11-5. The average number of students on the rolls was 313.2 and the nett cost per student was Rs. 276. The slight decrease in this figure as compared with that of the previous year, Rs. 282, is mainly due to the smaller expenditure

under salary of Principal during the last quarter of the year. Full financial details for the official year 1906-1907 were submitted with the annual returns. An abstract of receipts and charges for the last five calendar years is given in Appendix H.

21. *General.*—I desire to bring to notice the efforts made by the members of the staff generally to overcome the difficulties caused by the staff changes recorded. The energy displayed by Mr. Morgan was of great service in this direction, and the assistance afforded by Mr. Reynolds and Mr. Webster is worthy of note.

Appendix A.

DISTRIBUTION of students according to classes of community on the 31st December 1907.

Classes.	Europeans and Eurasians.	Christians.	Muhammadans.	Hindus.				Total.
				Brahmans.	Non-Brahman caste Hindus.	Panchamas.		
Engineer classes ..	..	2	1	45	3	..		54
Engineer Subordinate classes ..	4	2	3	51	4	..		64
Sub-Overseer and Surveyor classes ..	1	3	6	42	22	..		74
Draftsman classes ..	..	4	2	42	17	..		65
Upper Subordinate class ..	9*	1	2	19	1	..		30
Lower Subordinate class ..	..	2	2	13	11	..		28
Total ..	14	14	14	215	58	..		315

* Includes five Military probationers.

Appendix B.

DISTRIBUTION of students by districts on the 31st December 1907.

Districts.	Engineer class.	Engineer Subordinate class.	Sub-Overseer and Surveyor class.	Draftsman class.	Upper Subordinate class.	Lower Subordinate class.	Total.
Ganjām ..	..	..	..	..	1	..	1
Vizagapatam ..	..	1	..	1	..	1	3
Godavari ..	4	..	3	5	..	..	12
Kistna ..	1	6	12	8	1	2	29
Bellary ..	..	..	..	..	..	..	..
Kurnool ..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..
Madras ..	1	1	1	2	..	..	5
Chingleput ..	1	1	4	4	..	3	13
Cuddapah ..	2	1	1	7	..	1	12
North Arcot ..	..	..	2	..	..	..	2
South Arcot ..	2	..	3	1	..	3	9
Tanjore ..	..	2	3	..	1	..	6
Trichinopoly ..	13	12	3	..	1	2	29
Madura ..	4	8	19	15	3	2	49
Tinnevely ..	6	2	6	10	2	1	27
Coimbatore ..	5	6	3	2	1	3	20
The Nilgiris ..	..	11	2	4	2	3	20
Salem ..	..	..	2	3	1	..	6
Malabar ..	..	..	1	1	..	1	3
South Canara ..	2	1	3	2	1	3	12
Podukottai ..	..	2	1	1	1	..	5
Cochin ..	1	1	..	..	..	..	2
Travancore ..	1	..	..	..	..	..	1
Mysore ..	8	1	1	..	1	1	12
Pondicherry ..	3	1	..	..	..	..	4
Hyderabad (Deccan) ..	1	..	..	..	..	..	1
Military Students ..	..	..	3	..	..	..	3
No. Probationers ..	..	2	..	..	4	..	6
Total ..	54	64	74	65	30	28	315

Appendix C.

DISTRIBUTION of students by wealth and occupation of parents on the 31st December 1907.

Classes in the College.	Wealth.				Occupation.							Total.
	Richer class.	Middle class.	Poorer class.	Total.	Officials.	Petty officials.	Traders.	Landholders.	Artisans.	Mendicants.	Others.	
Engineer class—	..	..	..	..	..	..	..	..	..	..	..	..
Third year ..	..	13	4	17	10	..	1	6	..	..	..	17
Second year ..	..	17	..	17	9	..	1	7	..	..	..	17
First year ..	..	18	2	20	11	..	..	9	..	..	..	20
Engineer Subordinate class—	..	..	..	..	..	..	..	..	..	..	..	..
Third year ..	1	31	2	34	16	..	1	15	1	..	1	34
Second year ..	1	27	2	30	12	..	1	16	..	..	..	30
Sub-Overseer and Surveyor class—	..	..	..	..	..	..	..	..	..	..	..	..
Second year ..	..	39	1	40	12	1	3	24	..	..	..	40
First year ..	..	32	2	34	13	..	2	19	..	..	..	34
Draftsman class—	..	..	..	..	..	..	..	..	..	..	..	..
Second year ..	1	32	2	35	18	1	4	12	..	..	..	35
First year ..	1	27	2	30	17	..	..	11	..	..	2	30
Upper Subordinate class—	..	..	..	..	..	..	..	..	..	..	..	..
First year ..	..	29	1	30	21	..	..	7	..	..	..	30
Lower Subordinate class—	..	..	..	..	..	..	..	..	..	..	..	..
First year ..	..	28	..	28	12	..	2	14	..	..	..	28
Total ..	4	293	18	315	151	2	17	140	1	..	4	315

* Includes five Military Probationers.

Appendix D.

RESULTS of examinations of December 1907.

	Average of preceding four years.	
	Per cent.	Per cent.
<i>Engineer Class, 1st Division.</i>		
Mathematics ..	64.6	61
Science ..	46.6	49
Engineering ..	53.3	55
Drawing ..	59.7	60
Surveying ..	66.2	65
Language ..	63.0	64
Gymnastics ..	65.9	58
Average ..	58.2	58

<i>Engineer Subordinate Class, 1st Division.</i>		
Mathematics ..	59.5	53
Engineering ..	51.1	53
Drawing ..	52.8	58
Surveying ..	64.6	63
Language ..	61.2	65
Physical Exercises ..	67.0	56
Average ..	56.9	57

<i>Sub-Overseer and Surveyor Class, 1st Division.</i>		
Surveying ..	68.4	59
Engineering ..	51.6	53
Drawing ..	52.0	55
Physical Exercises ..	62.9	54
Average ..	59.9	57

Appendix D—cont.

Results of examinations of December 1907—cont.

Draftsman Class, 1st Division.				Average of preceding four years.
		Per cent.	Per cent.	
Geometrical, etc., Drawing ...	...	45.2	48	
Building Construction and Drawing ...	...	56.8	60	
Machine Drawing ...	...	56.4	61	
Estimating ...	...	52.6	53	
Physical Exercises ...	...	62.1	52	
Average ...	...	54.2	56	

Appendix E.

	Average number on rolls.	Average of daily attendance.
Engineer class, third year ...	17.4	16.7
Do. second year ...	17.1	16.2
Do. first year ...	20.0	19.9
Engineer Subordinate class, third year ...	33.9	32.7
Do. second year ...	32.0	30.8
Upper Subordinate class, first year ...	25.0	24.0
Sub-Overseer and Surveyor class, second year ...	40.1	38.3
Do. do. first year ...	34.7	33.2
Lower Subordinate class, first year ...	28.8	27.6
Draftsman class, second year ...	33.6	32.7
Do. first year ...	30.6	29.1
Total ...	313.2	301.2
Percentage of numbers present to number on rolls ...	96.2	

Appendix F.

CLASSIFICATION of vacancies notified during 1907.

	Government.				Local Board and Municipality.				Railways.				Native States.				Private employers.				Total.
	Above Rs. 200.	Rs. 100 to 200.	Rs. 50 to 100.	Under Rs. 50.	Above Rs. 200.	Rs. 100 to 200.	Rs. 50 to 100.	Under Rs. 50.	Above Rs. 200.	Rs. 100 to 200.	Rs. 50 to 100.	Under Rs. 50.	Above Rs. 200.	Rs. 100 to 200.	Rs. 50 to 100.	Under Rs. 50.	Above Rs. 200.	Rs. 100 to 200.	Rs. 50 to 100.	Under Rs. 50.	
Engineer or Assistant Supervisor		4			1	5							1	3							14
Overseer														1	3						11
Sub-Overseer		1	4	1																	6
Draftsman		2	2																		4
Surveyor		2	11																		13
Amical or Conservancy Superintendent.					1																1
Total	9	17	8	1	6	4			2	1	1	4	3	3			3				264

Appendix G.

FINANCIAL details for 1907.

	RS.	A.	P.
<i>Receipts.</i>			
Tuition fees ...	20,613	5	0
Entrance and Final Examination fees ...	2,880	0	0
Miscellaneous Receipts ...	505	12	1
Total ...	23,999	1	1

<i>Charges.</i>			
Principal ...	17,741	7	2
Professors, masters and teachers ...	54,436	12	11
Clerks, librarian and servants ...	5,585	3	4
Board of Examiners ...	4,548	0	0
Library, prizes and medals ...	761	8	0
Books and instruments ...			
Other Europe stores ...	2,289	12	4
Other heads of contingent charges ...	17,033	12	6
Travelling allowances ...	1,660	14	10
Scholarships ...	4,792	6	5
Exchange compensation allowance ...	1,644	15	0
Total ...	1,10,494	12	6

Net cost to Government ...	86,495	11	5
Average number of students on rolls ...	313	0	0
Net cost per student ...	276	5	6
Average tuition fees paid per student per annum ...	65	13	8

Appendix H.

COMPARATIVE financial details.

	1907.	1906.	1905.	1904.	1903.
Receipts	23,999	31,020	30,920	29,480	29,490
Charges	1,10,495	1,14,085	98,871	95,162	96,040
Net cost to Government	86,495	83,065	67,950	65,754	66,550
Average number of students	313	295	294	274	292
Net cost per student	276	282	229	240	228

Proceedings, Dis. No. 3390 of 1908.

Recorded.
2. The report is satisfactory.

3. The most noteworthy events of the year were the introduction of the revised rules and the retirement after a long and valuable service of Colonel H. D. Love, the late Principal of the College.

A. G. BOURNE,
Director of Public Instruction.

To the Principal, College of Engineering, with a spare copy.

" Principals of other Government Colleges.

" Inspectors of Schools.

" the Superintendent, School of Arts.

Copy to the President, Board of Examiners, College of Engineering, for information.

" " Chief Engineer, Public Works Department, for information.

" " Editors, "Indian Journal of Education" and "Educational Review."

" " Government, with C.L.

Order—No. 417, Educational, dated 29th May 1908.

Recorded.

(True Extract.)

H. D. TAYLOR,
Secretary to Government.

To the Director of Public Instruction.

" Public Works Department.

Editors' Table.

EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O., Nos. 417, 418, EDUCATIONAL,
DATED 29th MAY 1908.

[SUBJECT.—*Report on the working of the College of Engineering for 1907.*]

From the Director of Public Instruction, dated 9th May 1908, No. 3370.

The report does not appear to call for any remarks. A draft order recording the report is placed below for approval.

2. On the occasion of the retirement of Colonel Love from the principalship of the college in September last, a valedictory order was issued—*vide* G.O., No. 750, Public, dated 14th September 1907.

3. The report is usually placed on Editors' Table.

T.K.—15-5-08.

K. RANGASWAMI AIYANGAR—15-5-08.

C. A. SOUTER—16-5-08.

Approved.

M. H[AMMICK]—19-5-08.

Issue.

C. A. SOUTER—20-5-08.

[G.O., Nos. 417, 418, Educational, dated 29th May 1908.]

Stock Form No. 151
10,000-4-1-07.



EDUCATIONAL
LOCAL AND MUNICIPAL DEPARTMENT.

CURRENT No.

1095

Received

190

, Registered

1457

1908

Subject.

Submitting a copy of Proceedings Dis No. 3390., dated 6th
May 1908 reviewing the report on the working of the College
of Engineering during 1907.

ENCLOSURES.

No.

C u r

No. 3370/08

Spare copies

Station

M a d r a s

Dated the

9th

M a y

1908

From (Name) The Hon'ble Mr. A.G. Bourne, D.Sc., F.R.S.,

(Designation)

Director of Public Instruction,

M a d r a s.

To The Secretary to the Government of Madras,

Educational

Local and Municipal Department

Sir,

I have the honour to submit herewith a copy of
my Proceedings Dis No. 3390., dated 6th May 1908 reviewing
the report on the working of the College of Engineering
during 1907.

I have the honour to be,

S i r,

Your most obedient servant,

C. Krishnamoorti

for Director of Public Instruction.

M.S.S.

READ AGAIN G.O., No. _____, dated _____, 190_____

” ” ” ” ” ” 190

READ ALSO:—

C. No. 1095, From the D. P. I., No. 3370, dated 9-5-1908.

[illegible]

190

ORDER

P. S.

No. 417, dated 29-5-8
20-5-1902

Recorded

7A.
15-9-08

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15.5.08

Cal

46-5-8

418 29.5.08

Letter to ~~291 St. 245 St.~~

The Under S. of S. for India.

Si

With ref. to the instructions con-

vayed in Lord. Hartington's Despatch no. 9, Public works, dated 18th May 1882. I am directed to forward a copy of the Pro. of the Madras Govt. recording the report on the working of the College of Engⁿ. ^{Madras} during the year 1907.

7.4.

15-5-08

1. 凡属本行

15.5.98

Oct 16-5-8