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Educational (1905) Department.

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ORIGINAL. 1 | 2

[Despatch Abstract.]

College of Engineering, Madras.

Forwarding with remarks the report on the working of the —— during the year 1904.

BACK PAPERS.

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

FURTHER PAPERS.

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

Government {1905} of Madras.

EDUCATIONAL.

Recd. } 1905. *Enclosures*

Regd. *Spare copies*

ORIGINAL

G.O., &c., Nos. 380, 381, 5th June 1905.

N. P.

JUNE.

College of Engineering, Madras.

Recording the report on the working of the — during the year 1904.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

Read—the following paper :—

From the Hon'ble Mr. A. G. BOURNE, D.Sc., F.R.S., Director of Public Instruction, Madras, to the Secretary to Government, Educational Department, C. No. 4521, dated 16th May 1905.

I have the honour to submit a copy of my Proceedings, Dis. No. 3319, dated 13th May 1905, reviewing the report on the working of the College of Engineering during 1904 :—

Enclosure.

Proceedings of the Director of Public Instruction, Dis. No. 3319, dated 13th May 1905.

Read—the following letter from H. T. KEELING, Esq., Acting Principal, College of Engineering, Madras, to the Director of Public Instruction, No. 2042-C., dated 18th March 1905.

I have the honour to submit the Administration report of the College of Engineering for 1904.

2. *Staff.*—Colonel H. D. Love, R.E., proceeded on leave on May 4th. Mr. W. H. James officiating as Principal until I took over charge on July 4th. Mr. James was appointed to the Indian Educational Service from 10th June 1904. He continued to do the duties of both Professors of Engineering throughout the year. In the early part of the current year Mr. C. L. T. Griffith was appointed to act in the vacancy created by the deputation of Mr. Chatterton. In March Mr. W. H. Goddard, Instructor in Surveying and Drawing, proceeded on leave on medical certificate. He has since died. By his death Government have lost a valuable and hardworking servant. His death was the result of overwork. In October Mr. B. O. Reynolds fell ill from overwork and was obliged to go on leave. His appointment was vacant for two months until Sub-Conductor Cuthbert joined at the end of December. The Public Works Department being unable to spare any one to take Mr. Goddard's place, Mr. Littlewood was appointed to act. Promotions were made in the College staff in grade succession, a delta superintendent being brought in to fill the bottom place. M.R.Ry. R. Satakopa Aiyangar, M.A., was transferred and M.R.Ry. S. Minakshisundaram Aiyar was appointed in his stead. In the middle of November, the latter was dismissed from Government service. M.R.Ry. S. N. Venkataramayya, Vernacular Assistant, was appointed Sub-Assistant Inspector of Schools in December and his place was vacant for nearly a month and a half. The services of Mr. Perkins, Workshop Instructor, were dispensed with in September and Mr. P. G. Williams appointed on probation. The staff throughout the year was insufficient for the needs of the College. It has been so for some time. Mr. James was, in addition to his College duties, appointed Inspector of Technical Schools. I have in a separate letter drawn attention to the fact that Mr. James cannot do both his College work and the Inspector's work. It being my duty to see that Mr. James performs his primary duty, viz., that of Professor of Engineering, I have been obliged on several occasions to prevent his touring. I have alluded briefly to the matter again in this report as I wish to take every opportunity of urging that Mr. James be relieved of the duties of Inspector of Technical Schools. As regards the inadequacy of the staff this matter has been taken up in separate correspondence also and has been considered by the committee appointed in December last and I take this opportunity of again bringing to notice the urgency of the matter and ask that early orders may be issued on the committee's report when it is received.

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	9	13	14	20	56
Engineer Subordinate class	* 33	32	33	35	133
Sub-Overseer and Surveyor class	..	..	33	41	74
Draftsman class	..	..	22	28	50
Total ..	42	45	102	124	313

* Includes two independent candidates.

Excluding the students on their practical courses, the total number actually in the College on the 31st December 1904 was 271. The corresponding totals for the last five years were—

YEARS.	NOS.
1904	271
1903	292
1902	297
1901	307
1900	306

The distribution of the students by classes of the community by districts, by wealth and occupation of parents is given in Appendices A, B and C. Of the total number 72 per cent. against 71 per cent. in 1903 were Brahmans, 19·6 per cent. against 18 per cent. were non-Brahman Caste Hindus, 4 per cent. Native Christians, 3 per. cent. Europeans and Eurasians and 1·4 per cent. Muhammadan. As regards districts Tanjore was represented by 32·5 per cent., Trichinopoly 9·2 per cent., Madura 6 per cent. and Madras 5·5 per cent. of the total number.

4. *Entrance Examinations.*—The numbers offering for admission were—

Class.	Examined.	Passed	Admitted.
Engineer class	* 58	24	20
Engineer Subordinate class	† 150	88	‡ 35
Sub-Overseer and Surveyor class	§ 314	70	34
Draftsman class	161	25	33

* Of these 50 had passed or appeared for the B.A. Degree examination.
† Of these 23 had passed the First Examination in Arts.
‡ Of these one was a military student.
§ Of these 33 had passed the Matriculation examination.

The number of applicants for the Engineer class and the Sub-Overseer and Surveyor and Draftsman classes shows a marked increase.

5. *Examinations of December* 1904—*Engineer Class.*—(*a*) The third year division contained 13 students, eleven of whom passed the final examination. The average per cent. obtained of the total marks was 58·1. Two independent candidates presented themselves for the examination and both of them failed. One of the two A. V. Swaminatha Aiyar was found guilty of malpractice at the examination and was disqualified for this examination and debarred from appearing on any future occasion for any of the examinations under the control of the Director of Public Instruction. The second and first year divisions of the class containing 14 and 20 students, respectively, appeared for the term examinations and obtained 56·9 and 58·2 per cent., respectively, of the total marks.

(*b*) *Engineer Subordinate Class.*—The senior division of 32 students appeared for the final examination and 20 were successful. The average per cent. of marks gained was 54·2. The intermediate and junior divisions of 33 and 35 students appeared for the term examinations and secured 58·8 and 52·0 of the total marks.

(*c*) *Sub-Overseer and Surveyor Class.*—In the senior division, 33 students presented themselves and 21 passed. The average marks obtained were 54·4 per cent.

(*d*) *Draftsman Class.*—In the senior division, 22 students presented themselves for the final examination and 17 passed. The average marks were 58·2.

Seventeen independent candidates also were examined and six passed. In the junior division of the class 28 students appeared for the term examination and obtained an average of 31·8 per cent. of the total marks.

6. *Examination Results.*—The percentages of marks secured under the various subject heads by the senior divisions of the classes are compared in Appendix D with the average results of the preceding four years. The percentages are below the average. The abilities of the students forming the classes were below the average which is the chief factor contributing to the result. There was however another, viz., deficiency of staff which it is hoped will be remedied before long.

7. *University Examinations.*—Six students of the senior division of the Engineer class appeared for the B.E. Degree Examination in January 1904, and 5 were successful, viz., 3 in the Civil and 2 in the Mechanical Branch. Eleven ex-students also presented themselves and only one passed the examination in the Mechanical Branch.

Eighteen candidates offered themselves for the First Examination in Engineering, of whom 13 were second year students and 5 third. Six in all were successful, all of whom were second year students. Six ex-students also appeared for this examination and two passed.

8. *Attendance and Conduct.*—Conduct was on the whole good. There was much absence on medical certificate. This matter has been brought to your notice in separate correspondence and no further allusion is necessary beyond stating that the attendance certificates have been endorsed where necessary. The total number so endorsed in the first instance being 20.

9. *Library.*—A larger grant is required for this. The Library moreover requires re-arranging and a number of old books should be eliminated from the catalogue. The students made fairly intelligent use of the Library. During the year 107 volumes were added to the Library, which now contains 4,380 volumes. The books issued to students numbered 2,313 and to the staff 467 against 3,119 and 320, respectively, in the previous year, while 1,110 references were made to the Consulting Library.

10. *Workshop and Laboratories.*—Mr. James' report is given below and nothing need be added except that I am of opinion that new shops are absolutely necessary: —

"All the classes attended the workshop during the course of the year, the Draftsman class as usual when the other students were out in survey camp. The numbers were—

Engineer students	48
Engineer Subordinate students	103
Sub-Overseer and Surveyor students	68
Draftsman students	51

Considering the small amount of time they have for practice the students on the whole made satisfactory progress and there was keen competition for the prizes in the senior classes. We are however badly handicapped by want of room and it is impossible to divide the classes up still further without interfering too much with the ordinary work. Although we require several new machines for instructional and other purposes no suggestions for additions to the equipment of the workshop have been submitted, as we have no available space on which we could erect another machine tool. A certain amount of testing work has been done, but it is to be regretted that, considering the number of investigations which could be undertaken and which if carried out might be of some value, we are able to do so little. The time of the members of the staff however is at present so fully occupied with teaching duties, that we cannot expect much assistance from them in carrying out work of this sort."

11. *Physical Training and Recreation.*—Instruction in drill and gymnastics has been given but the examination did not yield satisfactory results. An European Drill Sergeant and Gymnastic Instructor is required instead of the present instructor whose attainments are very limited.

The report of the Honorary Secretary of the Recreation Club is given in the next paragraph. If this club is to be run on proper lines the yearly subscription must be raised by Rs. 2.

12. *Recreation Club.*—"The Cricket, Football, Hockey and Tennis clubs made fair progress during the year. We find it difficult however to meet expenses with our present subscription and if the club is to make any headway we shall have to make some addition to the amount now contributed by each student. In the competitions of the Madras Athletic Association the College Cricket Team was placed second for the Professors' Trophy and made a good bid for success in the finals for the Pennycuick Trophy. The College representatives were also successful for the first time in securing the Travancore Shield for Senior Inter-collegiate Athletics. The inter-class contests were hardly so keen as usual, some of the junior classes taking it too much for granted that particular classes must necessarily be successful. The Engineer Subordinate class, 1st division, had no difficulty in retaining the Cricket cup and they also gained the Hockey cup: the Engineer class kept the Football cup in their possession.

Successful sports were held at the end of the second term.

The new hockey ground has been levelled and will be fit for use in a short time, and we now hope that our funds will soon allow of our remaking and extending the cricket pitch."

M.R.Ry. Subrahmanya Aiyar reports that good use was made of the reading room during the year.

I wish to acknowledge the assistance I have received from Mr. Webster and M.R.Ry. Subrahmanya Aiyar in conducting the affairs of the Club".

13. *Inspections.*—The senior Engineer class visited the Power station at the Sivasamudram Falls and the Hasarghatta water-works. The intermediate and junior Engineer classes, and the senior and intermediate Engineer Subordinate classes inspected the Gódávari and Kistna head works and the canal joining the two systems. The junior Engineer Subordinate class, both divisions of the Sub-Overseer and Surveyor class and the senior Draftsman class visited the Pálár anicut system.

14. *Buildings.*—The lavatory has been finished. The existing buildings are inadequate to the needs of the College. No further remark is necessary here as the matter has been referred to the committee appointed in December 1904.

15. *Employment of Passed Students of* 1903.—Of the twelve Engineers, who completed their practical course early in 1904, the senior G. R. Ramaswami Aiyangar, B.A., was appointed Assistant Engineer in the Provincial service of the Public Works Department on Rs. 250; two accepted appointments as temporary Upper Subordinates of the Public Works Department; one became probationary Sub-Assistant, Revenue Survey, Ongole taluk; two obtained employments as Supervisor and Overseer under Local Fund Boards; one entered the Mysore State service as Sub-Assistant Engineer; one was appointed Supervisor in the Public Works Department, Travancore; one secured an appointment as Bridge Sub-Inspector, Madras Railway Extension, A.M. Railway, Mangalore; one had gone to Europe to study Mechanical Engineering. No information has been received regarding the remaining two.

Of the thirty-three Engineer Subordinates, who completed their practical course early in 1904, the senior S. Ramaswami Aiyar was appointed a permanent Upper Subordinate Overseer, third grade, in the Public Works Department, on Rs. 60; while the only military man was posted as Upper Subordinate, first grade, on Rs 100. Of the remaining, twenty obtained employment on the temporary Upper Subordinate Establishment of the Public Works Department; one became Instructor, Technical Institute at Nagercoil; one entered the Public Works Department, Travancore, as a temporary Upper Subordinate; one obtained employment as a temporary Surveyor in the Public Works Department, Madras. Regarding the rest no information has been obtained.

Of the thirty-four Sub-Overseers and Surveyors who passed out in December 1903, seven were appointed Minor Irrigation Sub-Overseers; three Local Fund Sub-Overseers and one Sub-Overseer, Public Works Department; two obtained employment as acting anicut superintendents; one was made temporary Channel Superintendent; one a temporary Delta Superintendent in the Public Works Department; one accepted appointment as a temporary Draftsman in the Public Works Department; one was appointed temporary Surveyor in the Public Works Department; one entered the Public Works Department, Travancore, as a temporary Sub-Overseer; one secured

an appointment as a Sub-Overseer in the Sivaganga Zamindari. No information has been received regarding the employment of the remaining men.

Of the 27 Draftsmen who obtained certificates in December 1903, one was made Acting Head Draftsman in a District Board Engineer's office; one was appointed Draftsman in the Sanitary Engineer's office; four were engaged as Draftsmen in the Public Works Department; one as a Minor Irrigation Sub-Overseer; one as a temporary Tracer; one as a Draftsman under a Local Fund Board; one secured an appointment as Anicut Superintendent, Public Works Department; two obtained employment as Draftsmen in Native States. The rest failed to supply information.

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

16. *Financial Details*—and other statistical information will be found in the appendices attached to this report.

17. *General.*—I will conclude by bringing to your notice the very excellent work done by Mr. James who has been overburdened with work throughout the year.

Appendix A.

Distribution of students according to classes of community on the 31st December 1904.

Classes.	Europeans and Eurasians.	Native Christians.	Muhammadans.	Hindus.			Total.
				Brahmans.	Non-Brahman Caste Hindus.	Panchamas.	
Engineer classes	..	3	..	41	3	..	47
Engineer Subordinate classes	8	2	2	76	12	..	100
Sub-Overseer and Surveyor classes	..	5	2	48	19	..	74
Draftsman classes	..	1	..	30	19	..	50
Total	8	11	4	195	53	..	271

Appendix B.

Distribution of students by districts on the 31st December 1904.

Districts.	Engineer class.	Engineer Subordinate class.	Sub-Overseer and Surveyor class.	Draftsman class.	Total.
Ganjám	..	..	..	..	..
Vizagapatam	..	2	..	1	3
Gódávari	1	3	5	2	11
Kistna	1	3	7	1	12
Nellore	..	2	1	..	3
Madras	1	3	7	2	13
Chingleput	1	4	5	5	15
Cuddapah	..	..	1	..	1
North Arcot	4	1	5	1	11
South Arcot	1	3	2	4	10
Tanjore	14	36	21	20	91
Trichinopoly	2	5	8	10	25
Madura	4	8	3	1	16
Tinnevelly	2	5	1	..	8
Coimbatore	1	2	1	1	5
Salem	2	5	2	1	10
Malabar	2	4	1	..	7
South Canara	2	1	..	..	3
Pudukkóttai	..	1	..	..	1
Cochin	..	2	..	..	2
Travancore	4	1	4	..	9
Mysore	4	1	..	..	5
Pondicherry	..	1	..	1	2
Hyderabad (Deccan)	1	..	..	..	1
Military students	..	6	..	..	6
Burma	..	1	..	..	1
Total	47	100	74	50	271

Appendix C.

Distribution of students by wealth and occupation of parents on the 31st December 1904.

Classes in the College.	Wealth.				Occupation.						
	Richer class.	Middle class.	Poorer class.	Total.	Officials.	Petty officials.	Traders.	Landholders.	Artisans.	Mendicants.	Total.
Engineer class—											
Third year	2	10	1	13	8	..	..	5	..	..	13
Second year	..	14	..	14	6	1	..	7	..	..	14
First year	..	19	1	20	8	1	2	9	..	..	20
Engineer Subordinate class—											
Third year	..	26	6	32	15	1	1	15	..	..	32
Second year	1	29	3	33	15	..	3	15	..	..	33
First year	..	35	..	35	15	1	4	15	..	..	35
Sub-Overseer and Surveyor class—											
Second year	1	27	5	33	12	5	1	15	..	..	33
First year	..	37	4	41	19	2	4	15	1	..	41
Draftsman class—											
Second year	..	21	1	22	9	2	1	10	..	..	22
First year	..	27	1	28	13	..	1	11	2	1	28
Total	4	245	22	271	120	13	17	117	3	1	271

Appendix D.

Results of examinations of December 1904.

		Average of preceding four years.
Engineer class, 1st division—	PER CENT.	PER CENT.
Mathematics	65·7	59
Science	49·7	50
Engineering	53·9	60
Drawing	62·6	63
Surveying	61·5	65
Language	70·0	59
Gymnastics	43·0	59
Board total	58·0	...
College total	60·0	...
Grand total	58·1	60
Engineer Subordinate, 1st division—		
Mathematics	50·5	59
Engineering	49·2	62
Drawing	56·1	62
Surveying	58·4	62
Language	70·7	62
Physical Exercise	27·0	63
Board total	53·2	...
College total	57 2	...
Grand total	54·2	62
Sub-Overseer and Surveyor class, 1st division—		
Surveying	53·6	64
Engineering	52·7	60
Drawing	58·3	60
Physical Exercise	36·7	54
Board total	53·7	...
College total	55·7	...
Grand total	54·4	61

Appendix D—*cont.*

Results of examinations of December 1904—*cont.*

		Average of preceding four years.
	PER CENT.	PER CENT.
Draftsman class, first division—		
Geometrical, etc., drawing	52·4	55
Building construction and drawing	66·2	62
Machine drawing	56·5	66
Estimating	60·5	57
Physical exercise	26·4	54
Board total ...	59·5	...
College total ...	63·6	...
Grand total ...	59·2	60

Appendix E.

Average numbers and attendance in 1904.

	Average number on rolls.	Average daily attendance.
College Department—		
Engineer class, third year	13·5	12·7
Do. second year	14·0	13·4
Do. first year	20·0	18·9
Engineer Subordinate class, third year	32·3	30·1
Do. second year	33·0	31·3
Do. first year	35·0	33·8
Total ...	147·8	140·2
School Department—		
Sub-Overseer and Surveyor class, second year ...	33·3	31·5
Do. do. first year	41·5	37·9
Draftsman class, second year	22·0	20·9
Do. first year	28·8	27·4
Total ...	125·6	117·7
Grand total ...	273·4	257·9
Percentage of numbers present to number on the rolls—		
College Department		94·9
School do.		93·7

Appendix F.

Classification of vacancies notified during 1904.

—	Government.				Local Board and Municipality.				Railways.				Native States.				Private employés.				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.	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3	..	.	..	..	..	6
Supervisor ..	..	2	..	..	..	..	1	..	..	..	..	..	..	2	..	..	..	..	..	..	5
Overseer ..	..	1	..	..	..	1	4	4	..	..	..	..	..	..	3	..	..	..	..	..	13
Sub-Overseer ..	..	..	..	3	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	4
Draftsman ..	..	..	2	11	..	..	..	..	..	..	4	7	..	..	..	1	..	..	..	3	28
Surveyor ..	..	..	8	3	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	12
Anicut or Conservancy Superintendent.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	3	10	17	..	1	5	4	..	..	4	7	3	2	7	2	..	..	..	3	68

Appendix G.

Financial details for 1904.

	Rs.	A.	P.	Rs.	A.	P.
Receipts—						
Tuition fees—						
College Department	11,988	0	0			
School do.	6,582	0	0			
				18,570	0	0
Entrance and Final Examination fees				10,610	0	0
Miscellaneous receipts				227	12	6
Total ...				29,407	12	6
Charges—						
Principal				16,256	2	4
Professors, masters and teachers				43,347	12	11
Clerks, librarian and servants				6,252	4	5
Board of Examiners				4,999	0	0
Library and prize allowances				619	12	10
Books and instruments				69	6	1
Other Europe stores				3,141	9	11
Other heads of contingent charges				13,580	11	10
Travelling allowances				1,450	14	9
Scholarships				3,455	5	4
Exchange compensation allowance				1,673	15	0
House-rent				315	0	0
Total ...				95,161	15	5
Net cost to Government	Rs. 65,754	2	11			
Average number of students on rolls	274					
Net cost per student	Rs. 239	15	8			
Average tuition fees paid per student per annum—						
College Department	Rs. 81	0	0			
School do.	„ 52	3	9			

Appendix H.

Comparative financial details.

—	1904.	1903.	1902.	1901.	1900.
	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts	29,408	29,490	28,656	28,366	25,829
Charges	95,162	96,040	94,731	90,046	94,394
Net cost to Government	65,754	66,550	66,075	61,680	68,565
Average number of students	274	292	300	314	307
Net cost per student	240	228	220	196	223

Proceedings, Dis. No. 3319 of 1905.

Staff.—The Principalship changed hands during the year in consequence of the absence of Colonel Love on leave, when his place was taken by Mr. H. T. Keeling. There were also several other unavoidable changes in the staff. The Director heard with regret of the death of Mr. Goddard, who was connected with the college for more than eighteen years. Mr. James has, since the close of the year, been relieved of the duties of Inspector of Technical Schools.

2. *Workshop and Laboratories.*—The progress made by the students attending the workshops continued to be satisfactory on the whole. Insufficiency of accommodation and consequent defects in equipment have stood in the way of further progress in this direction.

3. *Strength and Attendance.*—Excluding the students in their practical course, the number of students on the rolls on the 31st December 1904 was 271, which was the lowest during the past quinquennium. The decrease was mainly in the draftsman class. The number of non-Brahman Hindus was the same as in the previous year, but

all the other classes of the community, notably Europeans and Eurasians, contributed fewer students. As usual, the largest number of students belonged to the Tanjore district, but Ganjám, three of the Ceded districts, and the Nilgiris were entirely unrepresented.

4. *Examinations.*—The results of the examinations conducted by the Board of Examiners compared, on the whole, unfavourably with those of the previous year, and this is attributed by the Acting Principal to "deficiency of staff" and to the abilities of the students being below the average. For the B.E. degree examination six students appeared from the college and five passed; but the results of the First Examination in Engineering were again unsatisfactory. No students appeared for the Government Technical Examinations.

5. *Military Students.*—No information has been given in the report regarding the number of Military students at the college during the year and the results obtained by them at the final examination.

6. *Practical Course.*—Nine Engineer and 33 Engineer subordinate students were in their practical course at the end of the year, but nothing is said in the report regarding their conduct and progress during the course.

7. *Employment of Passed Students.*—It is reported that of the 12 Engineer, 33 Engineer subordinate, 34 Sub-overseer and Surveyor, and 27 Draftsman students who successfully completed their course during the year, 9, 25, 19 and 12 respectively secured employments, and one Engineer student had gone to Europe to study Mechanical Engineering.

8. *Finance.*—There was a decrease under both receipts and charges, and the net cost to Government was Rs. 796 less than in the previous year; but in consequence of a further fall in the average number of students on the rolls, the net cost of educating each student rose from Rs. 228 to Rs. 240.

9. *General.*—Physical training and field games continued to receive a fair amount of attention. The employment of a European drill sergeant and gymnastic instructor in place of the present instructor should form the subject of a separate communication. The various requirements of the college mentioned by the Principal will receive due consideration in connection with the report of the Special Committee appointed by Government in their order No. 723, Educational, dated 12th December 1904.

(True Extract.)

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.
„ Superintendent, School of Arts.
Copy to the President, Board of Examiners,
College of Engineering.
„ the Chief Engineer, Public Works Department, for information.
„ Editors, *Indian Journal of Education* and *Educational Review.*
„ Government, with C.L.

Order—No. 380, Educational, dated 5th June 1905.

Recorded.

(True Extract.)

H. D. TAYLOR,
Ag. Secretary to Government.

To the Director of Public Instruction.
„ Public Works Department.
Editors' Table.

Exd. K. Murugasen.

Letter—No. 381, Educational, dated 5th June 1905, to the Under Secretary of State for India.

In compliance with the instructions conveyed in Lord Hartington's despatch No. 9, Public Works, dated the 18th May 1882, I am directed to forward a copy of the Proceedings of the Madras Government recording the report on the working of the College of Engineering during the year 1904.

2. I am to add that in December last a Committee was appointed to revise the syllabus of studies and the curriculum of the college and to consider the following subjects :—

(*a*) whether any extension of the college buildings is necessary so as to provide sufficient accommodation for an increased number of students;

(*b*) whether any and, if so, what additional laboratories should be constructed and what further facilities should be afforded for the practical outdoor instruction of students in surveying and other engineering subjects;

(*c*) the future location of the college, if the present site is deemed to be unsuitable for an extension of the buildings required to provide adequate accommodation both for students and instructors, and for the practical training of the students in field work;

and that the report of the Committee has been received and is now under consideration.

H. D. TAYLOR,
Ag. Secretary to Government.

Exd. K. Murugasen.

8

EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O., Nos. 380, 381, EDUCATIONAL, DATED 5TH JUNE 1905.

[SUBJECT.—*Report of the College of Engineering, Madras.*]

From the Director of Public Instruction, No. 4521, *dated* 16*th May* 1905.

A draft is placed below for approval.

T. KANAKASUNDARAM PILLAI—25-5-05.

Secretary has the report of the committee?

A. GALLETTI—26-5-05.

The report of the committee is now with the Director of Public Instruction for any further observations that he may wish to make on Colonel Love's note.

H. D. TAYLOR—29-5-05.

In your draft to the Secretary of State, it would seem proper, in view of the college working being open to criticism in some respects, to inform him of a committee having been appointed for definite objects (stating them); and that Government now has their report under consideration.

J. T[HOMSON]—30-5-05.

As this was referred to in paragraph 9 of Director of Public Instruction's review, I did not think that any specific reference was necessary. The addition has now been made and the file is resubmitted for approval.

H. D. TAYLOR—1-6-05.

J. T[HOMSON]—3-6-05.

Issue.

H. D. TAYLOR—5-6-05.

[G.O., Nos. 380, 381, Educational, dated 5th June 1905.]

Stock Form No. 135
3,000—6-10-04.

Educational (1905) Department.

9

CURRENT No. 910

From

[Name] The Hon'ble Mr. A.G. Bourne, D.Sc., F.R.S.,

[Designation] Direc or of Public Instruction,

[Station] Madras.

C. No. 4521/05

Dated 16th May 1905.

Enclosures 1

Received 190 .

LOCAL & MUNICIPAL 18 MAY 1905 SECRETARIAT.

Registered 18-5- 1905.

SUBJECT.

submitting a copy of Pros. Dis. No. 3319 dated 13th May 1905 reviewing the report on the working of the College of Engineering during 1904.

BACK PAPERS.

G.O. 723/03 Copy	25 R of 19-1-05
G.O. 2234/04 Copy	4 of 5-1-04
G.O. 99 R of 15-3-04	20 of 16-1-05

FURTHER PAPERS.

G.O. 714 of 3-12-04 Copy

723 of 12-12-04 Copy	Collect Rules
754 of 21-12-04	Desp. No. 9 of 18-5-82
109-110 of 21-2-05 Copy	618 R of 20-12-04

To

The Secretary to Government,

Educational Department.

Sir,

I have the honour to submit a copy of my Pros. Dis. No. 3319 dated 13th May 1905 reviewing the report on the working of the College of Engineering during 1904.

I have the honour to be,

Sir,

Your most obedient servant,

T Nelson

For Director of Public Instruction.

[E. 12]

1,000—24-9-04.

EDUCATIONAL DEPARTMENT.

READ AGAIN—G.O., No. , dated 190 .

" " " " , " 190 .

READ ALSO:—

C. No. 910 , From the D.P.I. , No 4521 , dated 16th May 1905.

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

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

ORDER No. 380 , dated 5-6- 1905.

P. S.

Recorded.

2. The Governor in Council has nothing to add to the remarks of the D.P.I. which are full.

T.H.
25-5-05

To

The D.P.I.
" P.W.D.
E.I.

Desp. 22/6/5

P.-I.-O.

4 2 4P

11 no. 381 dy 5-6-05.

Letter (to)
The Under Secy of State for India

Sir,

In compliance with the instructions conveyed in Lord Hartington's despatch no. 9, Public works, dated the 18th may 1882 I am directed to forward a copy of the proceedings of the Madras Govt. recording the report on the working of the College of Engg. during the year 1904.

2. I am to add that in December last a Committee was appointed to revise the syllabus of studies and the curriculum of the College and to consider the following subjects:—

(a) whether any extension of the college buildings is necessary so as to provide sufficient accommodation for an increased number of students;

(b) whether any and, if so, what additional laboratories should be constructed and what further facilities should be afforded for the practical out-door instruction of

T

7/1. 25-5-05

G.O. no 723 Ed. 12-12-04 - K.

of Students in surveying and other engineering subjects;

(C) the future location of the college, if the present site is deemed to be unsuitable for an extension of the buildings required to provide adequate accommodation both for Students and instructors, and for the practical training of the Students in field work;

and that the report of the Committee has been received and is now under consideration.

7.Z.
31-5-05

[illegible]
31/5/05

HDL
1.6.05

[illegible]
3/6/05

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READ AGAIN G.O., No. , DATED 190 .

CURRENT No.

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT .. ..

LETTER OF GOVERNMENT.

STATEMENT WITH DITTO.

PAPERS NOT FILED UP, BEING MEANT FOR DESPATCH IN ORIGINAL.

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