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500—12-5-04.

Educational (1904) Department.

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G.O., No. 723

DATED 12.12.04

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INDEXED.

[Despatch Abstract.]

College of Engineering, Madras.

Appointing a Committee ~~of certain facts~~ to consider the revision of the Syllabus of studies & the Curriculum of the —

BACK PAPERS.

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Government {1904} of Madras.

EDUCATIONAL.

2

FOR RECORD ONLY.

Recd. } 1904. *Enclosures*

Regd. } *Spare copies*

ORIGINAL

G.O., No. 723, 12th December 1904.

N. F.

DECEMBER.

College of Engineering, Madras.

Appointing a Committee to consider the revision of the syllabus of studies and the curriculum of the —.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

Read—the following papers :—

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, 6th August 1904, Ref. on Cur. No. 3996.

In their order No. 3627 W., dated 18th December 1903, Government approved of certain very considerable extensions to the College of Engineering, viz., the construction of buildings for the workshops and the laboratories, mechanical, electrical and chemical required for the college. From the correspondence printed with the Government order it will be seen that there was some discussion at the time as to the site on which the new buildings should be constructed and that the site approved by Government is the one recommended by the Officiating Consulting Architect, Mr. Ashpitel. Colonel Love has since requested me to urge a reconsideration of the question, as the site originally selected by him is preferred by the present Consulting Architect, Mr. Harris, who considers also that there can be no difficulty in making it available for the construction of the new buildings.

In another communication the Principal has submitted proposals for further extensions and improvements which are considered necessary for the following reasons :—

(i) the sanctioned increase to the strength of the Engineer class ;

(ii) the separation of the courses for Civil and Mechanical Engineers which will be carried out on the arrival of the 2nd Professor of Engineering ; and

(iii) the demand for increased space in the library, reading room, stationery store, &c.

The Principal has also furnished me with tracings for a separate hostel for the use of the College of Engineering, the Victoria hostel not being large enough to afford accommodation for all the students of the College of Engineering.

2. Taking all these matters into consideration, as also the possibility of developing the college into an industrial centre and the fact that the Chepauk site, which, while not being capable of extension, is in many ways unsuitable, I beg to enquire whether Government would be prepared to consider a scheme for an altogether new building for the college in some other site, and possibly for the amalgamation of the College of Agriculture with the College of Engineering, which for various reasons appears to me to be worthy of consideration and, if so, whether Government would be willing to appoint a committee to consider all these matters. I may add that after Colonel Love's retirement there will perhaps be no obligation to provide free quarters for the Principal, and that the Consulting Architect informs me that all the existing buildings could be utilized.

3. If the proposals now made are approved the Consulting Architect may be instructed to suspend till further orders the preparation of the plans and estimates for the works already sanctioned.

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, 14th September 1904, Ref. on Cur. No. 7291.

In continuation of my letter, Ref. on Cur. No. 3996 of 1904, dated 6th ultimo, I have the honour to submit copy of a letter from Mr. Keeling, the Acting Principal of the College of Engineering, Madras, in which he makes suggestions for the revision of the syllabuses of the college and for its further development. As proposed by him, I beg to recommend that a committee consisting of the gentlemen named by him with the addition of Mr. J. P. Davidson be appointed to consider the various questions connected with the college.

Enclosure.

From H. T. KEELING, Esq., Acting Principal, College of Engineering, to the Director of Public Instruction, dated 22nd August 1904, No. 372-C.

Since taking over charge of the office of Principal of this college several matters of pressing importance have come before me and I now address you regarding them.

2. The first subject the revision of the syllabus I may call non-contentious in that it is admitted to be necessary by all connected with the college. The subject includes the division of the Civil and Mechanical Engineering courses, connected with it are two proposals which have not been put forward before. These proposals are (*a*) the prolongation of the Engineer Subordinate course from $2\frac{1}{2}$ years to 3 years, and (*b*) the amalgamation of the Sub-Overseer and Surveyor and the Draftsman classes coupled with a prolongation of their course to 3 years. These proposals may be contentious matter; the present college staff are however unanimously in favour of them.

3. The two new proposals are put forward because the Engineer Subordinate class have not time as matters now stand to get properly through the existing syllabus, and because neither the Sub-Overseers and Surveyors nor the Draftsmen are at present satisfactory. The two latter are unsatisfactory in that the former cannot draw and the latter are mostly so ignorant on general Engineering matters as to be only useful as tracers and copyists. Further, the latter class has failed to fill latterly and for the last seven years it has acted as a feeder to the Sub-Overseer and Surveyor class in proportions varying from 2 to 10 per cent.

4. Connected with the revision of the syllabus is a proposal to raise the standard of qualifications required for admission to the various classes as follow :—

For the Engineer class—B.A. with either Mathematics or Physics and Chemistry as optional subjects.

For the Engineer Subordinate class—F.A.

For the amalgamated Lower Subordinate class—Matriculation.

5. The college staff are proceeding with the work of revision of the syllabus on these lines, but it seems to me desirable in all such cases to have outside opinion, and I accordingly ask that you will kindly address Government to appoint a committee to consider the subject. I venture to offer an opinion on this point and to suggest that a suitable committee would be—

Mr. F. J. E. Spring, C.I.E.,
,, W. B. deWinton, C.I.E.,
Captain W. C. Smyth, R.E., with
Mr. James and myself.

Mr. Spring is Chairman of the Engineering Faculty of the University.

Mr. deWinton is Chief Engineer, Public Works Department, and Captain Smyth, President of the College Board of Examiners.

6. I think that the reference to the committee should be as broad as possible and would suggest that it run as follows :—

"to consider the revision of the syllabuses of the Engineering College, Madras, and any cognate subject".

7. There is another matter which has come before me on which I hold decided opinions, viz., the development of the college. Briefly put, I consider that the time has now come for the removal of the college from its present site and its establishment elsewhere on enlarged and modern premises.

8. Were the college engaged in training the budding Engineer only, possibly it might remain where it is now situate with the addition of the new laboratories, the plans and estimates for which are now, I believe, being prepared. This, however, is only a portion of the work to be done as the majority of the students are being trained for subordinate positions corresponding to that of foreman and clerk of the works in England.

9. The class of subordinates now turned out is suited for work which may be called civil as opposed to mechanical. In the immediate future there promises to be a large development not only of civil work in the irrigation line but also of electrical energy. The college at present possesses neither the means nor the space to train men for the latter. The proposed laboratories would be quite inadequate for that purpose and only a properly equipped workshop would suffice, the laboratories also being retained for imparting proper scientific instruction.

10. As regards the development of the civil work, I understand that proposals have been made to increase the superior Engineering staff of the Public Works Department. This involves a corresponding increase in the subordinate staff. At present plans are being prepared for the extension of the college proper on the sea front. Any extension that can be made here would be quite inadequate.

11. I would therefore suggest that the proposed committee be asked to give an opinion on the necessity for moving the college, and if they think it necessary to move the college they should be asked to give an opinion regarding the general lines of reorganization.

12. It will at once be asked what will become of the present college in the event of a new one being built I understand from enquiries I have made that all the public offices in the same locality require more room and it could therefore be handed over to them.

13. My own opinion on the subject of moving the college is that the time has arrived for its removal. As regards the lines of development I think that its scope should be confined to professional training and the latter should not be mixed up with industrial training. Many specious and sophistical arguments have been from time to time publicly brought forward advocating an amalgamation of the two trainings. I need not specify them in this letter and will merely confine myself to my opinion. The choice of site for the new college should, I think, be made mainly from the point of view of suitability for training for civil work, as for a long time to come the civil element must predominate; at the same time possibility of extension of the workshops must not be lost sight of. For disciplinary and moral purposes the college should be residential. A suitable site is available at Guindy close to the railway, and there is plenty of room for expansion of any workshops.

14. I think that at present the work for the new laboratories might be pushed on as the building would be suitable for use in the future by any public department. The proposed extension on the sea front should, I think, be abandoned unless it is thought necessary for public purposes in the future. The laboratories are a pressing need and I think they should be built at once, because the matter of building a new college and settling the lines of its development involves expenditure which is not likely to be undertaken by Government at once, although in my opinion it ought to be taken up and started at once. I would therefore suggest that the committee be asked to give its opinion on the question of the proposal for a new college, the terms of the reference being as wide as possible.

Order—No. 723, Educational, dated 12th December 1904.

The Government resolve to appoint a Committee consisting of the following gentlemen to consider the revision of the syllabus of studies and the curriculum of the College of Engineering, Madras:—

Mr. J. P. Davidson—President.
,, F. J. E. Spring, C.I.E.
,, H. T. Keeling.
,, R. Ll. Jones.
Captain W. Carew Smyth, R.E.
Mr. W. H. James.
M.R.Ry. A. V. Ramalinga Aiyar, B.A., B.C.E.

The Committee should bear in mind the circumstances of the Presidency and adapt the revised curriculum thereto, being careful that it is not of so high a standard as to diminish the supply for the public service of subordinates sufficiently instructed for the work which may reasonably be expected of them.

2. The Committee will also 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 students in surveying and other engineering subjects;

(*c*) the future location of the college, if the present site is deemed to be unsuitable for any 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.

(True Extract.)

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

To the Director of Public Instruction.
,, the Public Works Department.
,, Mr. J. P. Davidson (through the Public Works Department).
,, ,, F. J. E. Spring, C.I.E., (through the Marine Department).
,, ,, H. T. Keeling, R. Ll. Jones (through the Director of Public Instruction).
,, Captain W. Carew Smyth (through the Public Works Department—Railway Branch).
,, Mr. W. H. James (through the Director of Public Instruction).
,, M.R.Ry. A. V. Ramalinga Aiyar (through the Public Works Department).

Ed. J. Henricus.

EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O., No. 723, EDUCATIONAL, DATED 12TH DECEMBER 1904.

[SUBJECT.—*Appointment of a Committee to revise the syllabus of the College of Engineering.*]

From the Director of Public Instruction, dated 6th August 1904, *No.* 3996.

The Director of Public Instruction reports that Colonel Love, Principal of the College of Engineering, has urged a reconsideration of the decision * of Government approving the site recommended by Mr. Ashpitel for the new building for the workshop and laboratories of the College of Engineering and has submitted proposals for certain further extensions and improvements to the college and for a separate hostel for its use. The Director therefore enquires whether in view of the possibility of developing the college into an industrial centre and of the fact that the Chepauk site, while not being capable of extension, is in many respects unsuitable, the Government would be prepared to consider a scheme for an altogether new building for the college and possibly for an amalgamation of the College of Engineering with the College of Agriculture and if so, whether the Government would be willing to appoint a committee to consider these matters.

* In paragraph 2 of G.O., No. 3627 W., dated 18th December 1903.

2. In paragraph 5 of his note, dated 13th May 1904, on page 14 of the notes connected with the distribution of the special allotment of six lakhs in the Civil Budget Estimates for 1904–1905, the Hon'ble Mr. Stokes remarked that the construction of a new workshop and laboratories for the Civil Engineering College was connected with a very large question—the future of the Agricultural College—and that no steps of any kind should be taken in any Department towards the provision of these new buildings without the circulation of the papers to him. Even before this in connection with paragraph 3 of G.O., No. 463, Revenue, dated 6th May 1904, the Public Works Department issued instructions to stop the preparation of plans and estimates for the new buildings.

The Public Works Department Order on the subject is in Madras and has been called for.

P. T. THARYAN.

3. The question of the amalgamation of the College of Engineering with the College of Agriculture is now under consideration in the Revenue Department. Pending the decision of this question, it is submitted that further action on the Director's proposals may be deferred.

RAMAN UNNI NAYAR—15-8-04.

P. T. THARYAN—15-8-04.

But why should the Consulting Architect go on preparing plans and estimates that may not be wanted? The Director's letter may be submitted to Honourable Member in Educational and the Hon'ble Mr Stokes?

A. GALLETTI—15-8-04.

H. D. TAYLOR—16-8-04.

The solution of the question depends mainly upon the decision arrived at in the Revenue Department as to the College of Agriculture.

2. But from an Educational point of view I think there is a great deal to be said for transferring to Saidapet where land and lodging is cheap all the technical colleges and concentrating them there.

3. Of course the whole question will require very thorough discussion.

G. S. F[ORBES]—25-8-04.

I entirely agree with the Hon'ble Mr. Forbes in thinking that if it can be arranged it would be a very desirable step to amalgamate the College of Engineering with the Agricultural College at Saidapet. The question has been remitted to the Full Board of Revenue and the Director of Public Instruction; also the Principal of the College of Engineering is to be consulted if necessary. I think, therefore, the carrying out of these workshops and the further questions raised by the Director and Colonel Love should stand over pending the report of the Board and its disposal.

G. S[TOKES]—26-8-04.

To lie over pending disposal of Board's report now called for in Revenue.

H. D. TAYLOR—29-8-04.

From the Director of Public Instruction, dated 14th September 1904, *No.* 7291.

With his further communication now received the Director forwards a letter from Mr. Keeling, the acting Principal of the College of Engineering, in which he makes suggestions for the revision of the syllabuses of the college and for its further development and asks for the appointment of a Committee to consider the whole question.

2. In connection with the revision of the syllabus Mr. Keeling thinks that the following questions should be considered, namely:—

(1) The division of the Civil and Mechanical Engineering courses.

(2) The prolongation of the course for the Engineer subordinate class from * $2\frac{1}{2}$ to 3 years—exclusive of the practical year.

* Pages 5 and 6 of G.O., No. 366, Educational, dated 28th June 1901.

(3) The amalgamation of the sub-overseer and surveyor class with the draftsman class and a prolongation of their course from * two to three years.

(4) The raising of the standard of qualifications for admission to the various classes.

3. In connection with the further development of the college, Mr. Keeling thinks that the college should be removed from its present building to "enlarged and modern premises" and its scope confined to professional training. Guindy is suggested as a suitable site for a new college with its extensive laboratories.

4. It has already been decided † that all further action in regard to the College of Engineering should be deferred pending orders on Mr. Mollison's report on the College of Agriculture and the reference thereon to the Board of Revenue. It is submitted therefore that the Director may be informed accordingly at once, copy of the order being communicated to Revenue and Public Works.

† Orders on page 1 *supra.*

P. T. THARYAN—24-9-04.

Orders are required on the last paragraph of Mr. Keeling's letter.

A. GALLETTI—26-9-04.

If the Committee proposed in paragraph 5 of Mr. Keeling's letter with the addition suggested by the Director of Public Instruction is to be constituted, it might be appointed forthwith for consideration of all subjects in connection with the college except the site of the new buildings which may be left over for consideration with the question of the Agricultural College, Saidapet.

2. With reference to paragraph 14, it would seem undesirable to construct new and costly laboratories on the present site, if the college is likely to be moved.

H. D. TAYLOR—27-9-04.

I see no harm in appointing a Committee to consider the *syllabus*. But one thing must be borne in mind that we can't expect to attain ideal ends: we should like to have a staff of Engineering subordinates trained up to the latest European standards: but this is India and to secure the number of men the public service requires it is very probably necessary to accept lower standards. Here, we have neither the educated material nor enough of it: while in other cases the course may be made so expensive as to prevent men from undergoing it. For instance the lengthening of the course for Engineer subordinates from $2\frac{1}{2}$ to 3 years exclusive of the practical year *may* be prejudicial; and so with the draftsman class. It is no use in the present circumstances of the country to expect too high a standard. For the higher technical knowledge we must rely on the Engineers got from England: and I would rather add to their cadre—and as it is I am inclined to think it wants strengthening—than arrest the flow of young men to the college by raising the standards too high.

A 2. It will be a question for Marine Department whether Mr. Spring's appointment to the Committee should be approved. If he can be spared, he would be very useful, I think, as he has himself taken degree in Engineering at T. D. C.

G. S. F[ORBES]—29-9-04.

I agree that a Committee to consider the syllabus should be appointed. The reference to them should not however cover any part of the reference to the Board. I agree also that we cannot aim at too high a standard and if the men cannot work through the present syllabus in the time allowed, it seems to me rather a reason for reducing the syllabus than for extending the time.

G. S[TOKES]—3-10-04.

To the Marine Department for remarks with reference to **A** above.

H. D. TAYLOR—4-10-04.

MARINE DEPARTMENT.

I submit a draft demi-official to Mr. Spring.

A. Y. G. CAMPBELL—4-10-04.

Submitted to His Excellency the Governor who should see the proposal to utilize Mr. Spring's services in this way.

M. HAMMICK—9-10-04.

When Mr. Spring asked the other day to be allowed to do some private work he was told his whole time was engaged for his Harbour Trust duties.

2. Put up these papers please.

J. T[HOMSON]—12-10-04.

EDUCATIONAL DEPARTMENT.

The papers are, I think, in Marine.

H. D. TAYLOR—13-10-04.

It has been ascertained that there are no papers in Educational. Will Marine please supply the information?

H. D. TAYLOR—13-10-04.

To the Marine Department.

MARINE DEPARTMENT.

Confidential disposal No. 47, dated 26th February 1904, contains the correspondence His Excellency alludes to.

M. E. WATTS—15-10-04.

A. Y. G. CAMPBELL—15-10-04.

To His Excellency the Governor.

M. HAMMICK—18-10-04.

Mr. Spring may—or may not—be moved to tell Government that they have already judged for him that his Harbour Trust duties occupy all his time. I remove the last words from the draft.

J. T[HOMSON]—26-10-04.

Order in Council.

Issue.

M. HAMMICK—1-11-04.

Demi-official No. 533, *dated 2nd November* 1904.

I am directed to forward to you a copy of a letter* from Keeling in which he proposes the appointment of a Committee "to consider the "revision of the syllabuses of the Engineering "College, Madras, and any cognate subject," and to ask you to let me know whether, in the event of Government sanctioning Keeling's proposals, you will be able and willing to serve on the Committee.

* No. 372 C., dated 22nd August 1904.

From F. J. E. Spring, Esq., to the Chief Secretary to Government, dated 2nd November 1904.

Your demi-official No. 533, dated 2nd November 1904. I shall be happy to serve on a Committee on the Madras Civil Engineering College.

Keeling evidently finds his college at the same stage at which Sibpur had arrived some seventeen years ago, when I was concerned with its reorganization on its present very effective lines.

It is submitted that the file may go back to the Educational Department with reference to the note, dated 4th October 1904.

T. HARI RAO—3-11-04.

Educational Department may be informed that there is no objection to Mr. Spring serving on the Committee so far as Marine Department is concerned.

A. Y. G. CAMPBELL—3-11-04.

Yes.

M. HAMMICK—4-11-04.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

Please draft for approval.

H. D. TAYLOR—6-11-04.

A draft is placed below for approval. It may issue with the concurrence of the Public Works Department and Public Works Department (Railway branch).

T. KANAKASUNDARAM—8-11-04.

V. KRISHNASWAMI—9-11-04.

A. GALLETTI—9-11-04.

Paragraph 2 as drafted appears to be unnecessary. The question of a new site is hardly "cognate" with the question of revision of the syllabus.

H. D. TAYLOR—11-11-04.

To the Public Works Department
" " *(Railway) Department* } for acceptance or remarks.

PUBLIC WORKS DEPARTMENT.

I see Mr. Davidson has been nominated to serve on the Committee in addition to those originally proposed. I shall be much obliged if Government will permit his name to be substituted for mine. My deafness makes me a very unsuitable person to serve on any Committee, and I have for a long time declined all invitations to serve on committees in private life for that reason. I have never had anything to do with educational matters in this country, and should be of little assistance in revising the syllabus. As Secretary, Public Works Department, I shall have, in any case, an opportunity of stating my opinion on the question raised and shall be in a better position to do so than if I served on the Committee, which will be amply strong enough without me. I, therefore, beg that my name may be deleted.

For orders.
H. D. TAYLOR—25-11-04.

W. D. DEWINTON—16-11-04.

PUBLIC WORKS (RAILWAY) DEPARTMENT.

Draft Order accepted.

A. MORSE—24-11-04.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

Mr. Keeling has personally spoken to me on this subject. He desires that the terms of the reference should be as wide as possible so as to embrace the following questions:—

(1) The revision of the staff.

(2) The separation of the College and staff from the Educational Department, and the bringing of it under the direct control of the Public Works Department, or on to the Public Works Department establishment.

(3) The extension of the College buildings so as to provide sufficient accommodation for an increased number of students, and quarters for the Instructors. He suggests the removal of the College from its present site to Saidapet or elsewhere—

(*a*) because the present site does not admit of any convenient extension. The only possible extension would be by the construction of a block near the marina, and this would shut out light and air from the main building;

(*b*) to afford facilities for practical classes in survey and the like.

2. Mr. Keeling states that the present staff is insufficient and to a large extent the instructors are insufficiently qualified, even for the present number of students, which it is proposed to increase by seventy to provide for the needs both of Public Works Department and of Local funds.

He argues that if the staff were brought on to the Public Works Department establishment, qualified men could always be obtained as instructors even in temporary vacancies.

The office draft is certainly impossible.
G. S. F[ORBES].

3. May the draft be amplified so as to specifically cover these questions which can hardly come under the head of "any cognate subject"?

4. Please see Mr. deWinton's note.

H. D. TAYLOR—24-11-04.

Mr. deWinton will no doubt be excused.

2. We certainly can't issue an order referring the revision of the "syllabus" and "*any cognate subject*", which would bring in the universe generally; and I agree with the Secretary that every subject for the inquiry should be specifically described. Of the points which the Secretary enumerates the one I am most doubtful about, is the question of transferring the staff to Public Works Department. I doubt whether we should throw down that bone of contention. Engineering is a scientific as well as a technical subject and falls properly into the domain of the Director of Public Instruction, I think. The Public Works Department, as a *department*, can't do teaching: it is not primarily their business though it is for them to say or rather advise what standards they wish the students to be brought up to. Nor need all the students enter the public service. I am not therefore in favour of putting this question to the Committee. Government should reserve it for their own decision, I think.

3. In this connection, I think, the composition of the Committee to be defective in not having on it a sufficient representation of the Educational Department, who on questions of the instructions of native students will be able to bring wider experience to bear than those named. Mr. James is the only member of the Educational Service and his experience of India is very small.

A suitable committee might be—

Mr. Davidson.
Mr. Spring, C.I.E.
Mr. Jones, Professor of Physics.
Captain Carew Smyth?
Mr. James.
Mr. Keeling.

4. If the committee is too large as perhaps it is Captain Carew Smyth may be omitted. Mr. Spring's experience in reorganizing the *Sibpur College* at Calcutta ought to be valuable.

5. To return for a moment to the arguments for putting the college under the Public Works Department, that qualified instructors could always be obtained, I do not see why they could not equally well be obtained if the college remained under the Director of Public Instruction.

6. I approve then of the following subjects being referred:—

(1) The syllabus of studies and the curriculum;

(2) extension of college buildings so as to provide sufficient accommodation for additional students;

(3) provision of additional laboratories, &c., and for practical instruction, &c.;

(4) the location of the college.

Of course the draft will elaborate these heads so as to be full and intelligible.

7. I think a hint might be given that the curriculum should be adapted to the circumstances of the country and not be so severe as to diminish the supply for the public service of subordinates sufficiently instructed for the work which may reasonably be expected of them, or something to that effect.

G. S. F[ORBES]—29-11-04.

I am very much of the Honourable Member's way of thinking.

2. At the present moment I can see no reason for departmentalising the college. Teaching is not the business of the Public Works Department.

3. The members of the proposed committee apart from Mr. Spring do not strike me as very strong; and driving through the Educational and Public Works Department lists of officers does not help me. But could not a native Engineer of standing and ability be found? And would Major Bonham-Carter care to serve? I doubt if Captain Carew Smyth would be of much use but have no knowledge.

J. T[HOMSON]—4-12-04.

Order in Council.

Mr. deWinton to be asked whether he would recommend a native Engineer of the Public Works Department establishment to serve on the committee.

H. D. TAYLOR—5-12-04.

Issue [the following demi-official at once, please. Then draft Government order for approval.

H. D. TAYLOR—6-12-04.

Demi-official from H. D. Taylor, Esq., Acting Secretary to Government, Educational Department, to the Secretary to Government, Public Works Department, dated 6th December 1904, *No.* 153.

In connection with the Committee which it is proposed to appoint to consider the revision of the syllabus and other questions in connection with the College of Engineering, I am directed to ask you whether you can recommend any native Engineer on the Public Works Department establishment of standing and ability to serve on the Committee.

Demi-official from W. B. deWinton, Esq., Secretary to Government, Public Works Department, to the Secretary to Government, Educational Department, dated 8th December 1904, *R. No.* 123.

The best native Engineer in Public Works Department to serve on the Engineering College syllabus Committee would be A. V. Ramalinga Aiyar, Executive Engineer, 3rd grade, now in charge of Madura Division. I do not, however, think that his appointment or that of any other native Engineer, would add appreciably to the strength of the Committee. He would merely acquiesce in everything proposed.

A revised draft is placed below for approval.

T. KANAKASUNDARAM—8-12-04.
V. KRISHNASWAMI—8-12-04.

A draft is submitted for approval.

2. Mr. deWinton suggests that M.R.Ry. Ramalinga Aiyar, Executive Engineer, in charge of Madura Division, should be appointed, if a native member is thought necessary, though he does not anticipate any useful assistance from such an appointment.

3. The President has to be nominated. Mr. Davidson is suggested as the senior Public Works Department officer. Mr. Spring is a non-official.

H. D. TAYLOR—8-12-04.
G. S. F[ORBES]—9-12-04.
J. T[HOMSON]—10-12-04.

Issue sharp.

H. D. TAYLOR—12-12-04.

[G.O., No. 723, Educational, dated 12th December 1904.]

Stock Form No. 127
2,000—12-2-03.

1

Educational (1904) Department.

9

CURRENT No. 1388

SECRETARY TO GOVERNMENT, LOCAL & MUNICIPAL DEPARTMENT. 8 AUG 1904

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

[Designation] Director of Public Instruction,

[Station] Madras.

Ref No. Cur No. 3996 of 04

Dated 6th August, 1904.

Enclosures

Received 8-8-1904.

Registered 8-8-1904.

SUBJECT.

Enquiring whether Government would be prepared to appoint a special committee for considering the desirability of providing an altogether new building for the Madras College of Enginnering.

BACK PAPERS.

fo 3627: 18-12-03 W Memo 47 / 29/1/04 fo 463: 6-5-04 RDC of / Memo 207/04	

FURTHER PAPERS.

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2,000—12-2-03.

Educational (1904) Department.

CURRENT No. 1662

From:

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

[Designation] Director of public Instruction,

[Station] MADRAS.

SECRETARY TO GOVERNMENT
16 SEP 1904
LOCAL & MUNICIPAL DEPARTMENT.

Ref. No. on Cur No. 7291 of 04

Dated 14th September 1904.

Enclosures one

Received 16-9-1904

Registered 16-9-1904

SUBJECT.

Requesting that a committee be appointed to consider the proposals of the Principal, College of Engineering for the revision of the syllabuses of the college and for its further development.

BACK PAPERS.

College rules

FURTHER PAPERS.

To

The Secretary to Government,

Educational Department.

Sir,

In their order No. 3627 W dated 18th December 1903 Government approved of certain very considerable extensions to the College of Engineering, viz. the construction of buildings for the workshops and the laboratories, mechanical, electrical and chemical required for the college. From the correspondence printed with the G.O. it will be seen that there was some discussion at the time as to the site on which the new buildings should be constructed and that the site approved by Government is the one recommended by the Officiating Consulting Architect, Mr. Ashpitel. Colonel Love has since requested me to urge a reconsideration of the question, as the site originally selected by him is preferred by the present Consulting Architect, Mr. Harris, who considers also that there can be no difficulty in making it available for the construction of the new building.

In another communication the Principal has submitted proposals for further extensions and improvements which are considered necessary for the following reasons:-

(1) the sanctioned increase to the strength of the Engineer class;

(ii) the separation of the courses for civil and mechanical engineers which will be carried out on the arrival of the Second Professor of Engineering; and

(iii) the demand for increased space in the library, reading room, stationery store &c.

The Principal has also furnished me with

6 4

To

The Secretary to Government,

Educational Department.

Sir,

In continuation of my letter Ref on Cur No. 3996 of 04 dated 6th ultimo I have the honour to submit copy of a letter from Mr. Keeling, the acting Principal of the College of Engineering, Madras in which he makes suggestions for the revision of the syllabuses of the College and for its further development. As proposed by him, I beg to recommend that a committee consisting of the gentlemen named by him with the addition of Mr. J.P. Davidson be appointed to consider the various questions connected with the College.

I have the honour to be,

Sir,

Your most obedient servant,

A. G. Bourne

Director of Public Instruction.

Page 2 of Ct. file

J.L.
12-9-04

[E. 12]
1,200—7-10.03.

5

11

EDUCATIONAL DEPARTMENT

723 Edl
12.12.04

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

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

READ ALSO:—

C. No. 1388, From the D. P. I., No. 3996, dated 6th Aug. 1904

" " 1662, " " ", " 7291, " 14th Sept. 1904

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

ORDER No. ...., dated 190

P. S.

The Govt. resolve to appoint a Committee consisting of the following ~~officers~~ gentlemen to consider the revision of the syllabuses of the College of Engineering ~~and~~ ~~any cognate subject~~

Mr. F. J. E. Spring, C. I. E.
" W. B. De Winton, C. I. E. Chief Engr.
" Mr J. P. Davidson "
Captain W. Carew Smyth R. E. D. C.
Mr W. H. James, Prof. of Civil Eng. Col.
Mr H. J. Keeling, Ag. Principal (Secretary)

2. ~~The Committee need not consider at present the question of the removal of the College from the present site.~~

Ah 9.11.04

What is "cognate subject"! It is as grave a fault in a draft as "K.C." of we ourselves can't say what a cognate subject "has" can be expect the Committee to do so. G.S.F.

Page 9 of the current file

Page 5 of the note file

To. D.P.I. to
" P.W.D.
Mr. F. J. E. Spring C.I.E. thro' the Marine Dept.
" W. B. de Winton C.I.E. } thro the P.W.D.
" J. P. Davidson }
Capt. W. Carew Smyth R.E. thro' the P.W.D. (R.B.)
Mr. W. H. James } thro' the D.P.I.
" H. J. Keeling }

11.11.04
7.11.04
8.11.04
9.11.04

[E. 12]
1,000—21-9-04.

EDUCATIONAL DEPARTMEN

6

12

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

" " " " " 190 .

READ ALSO:—

C. No. 1388 , From the D.P.I. , No 3996 , dated 6th August 1904.

" " 1662 , " " Do , " 7291 , " 14th Septr 1904.

" " , " " , " , " 190 .

ORDER No. 723 dated 12 . 12 . 1904

P.S.

The Govt. resolve to appoint a ~~Committee~~ consisiting of the following gentlemen to consider the revision of the syllabuses of studies and the curriculum of the College of Engineering, Madras:-

Mr.J.P.Davidson - President

Mr.F.J.E.Spring C.I.E.

Mr.R.Ll. Jones

Captain W.Carew Smyth R.E.

Mr.W.H.James

Mr.H.T.Keeling

M.R.Ry.A.K.Ramalinga Aiyar B.A.,B.C.E.

The ~~Govt trust that~~ the revised curriculum will be such as is adapted ~~to the circumstances of this Presi-~~

2

andard as to diminish the supply for e public service of subordinates sufficiently instructed for the work which may asonably be expected of them.

2. The Committee will also consider e 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, ~~should~~ if the present site is deemed to unsuitable be ~~found insufficient~~ for an extension of the buildings required to provide adequate accommodation both for students and instructors, and ~~or should it be found~~ ~~inconvenient~~ unsuitable for the practical training of the students in field work.

T.K.
8-12-04.

V.K.
8-12-04.

H.D.T.
8-12-04.

10.12.04

To
The D.P.I.
-- P.W.D.
Mr. J. P. Davidson
-- F. J. E. Spring
-- H. T. Keeling
-- R. Ll. Jones

Despd. 8/1/05

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Mrc - 1 - 13

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