

Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd.

Regd.

} 1909.

Enclosures

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G.O., No. 31, 16th January 1909.

Presidency College.

Sanctioning the proposals for the reorganization of the teaching staff of the — and requesting the Director of Public Instruction to submit the necessary proposition statements.

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Presidency College.

Separately submitted

Sanctioning the proposals for the reorganization of the teaching staff of the — and requesting the Director of Public Instruction to submit the necessary proposition statements.

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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 12th June 1908.

No.—Ref. on Cur. No. 3314.

I have the honour to submit for the sanction of Government the following proposals for what amounts to a reorganization of the Presidency College with a view to bringing its standard of efficiency up to that required by the new University Regulations.

2. The proposals have been formally discussed in the College Council and also between individual professors and the Principal. Mr. Stone states that in making his recommendations, he is guided quite as much by consideration of economy as of efficiency and that if the additions to the staff seem large, it has to be remembered that the addition of three honours classes and the substitution of the Intermediate Examination with four optional groups for the F. A. Examination which was practically the same for all students, means an increase of the amount of teaching work to be done by about 75 per cent., even if the total number of students under instruction is not much larger than at present.

3. The following extracts from Mr. Stone's letter explain in full the necessity for the additions to the staff and accommodation required :—

" I.—NUMBER OF STUDENTS TO BE PROVIDED FOR.

" Assuming that there is no change in the average number of additions, that fewer than half the students who join the B.A. classes will be found fit to take honours, and that the various branches of study retain their present relative popularity, the following figures are arrived at and it is suggested that the College should be equipped for at least the number of students indicated by them :—

" First and Second year University Course.

" Intermediate Examination—

Branch	I	..	..	..	..	..	25 in each year.
	II	..	..	..	..	..	25 " "
	III	..	..	..	..	..	25 " "
	IV	..	..	..	..	..	5 " "

" This gives the following numbers for the various subjects of the Intermediate Examination :—

Mathematics	..	..	..	..	..	..	25 in each year.
Physics	..	..	..	..	..	..	50 " "
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English	..	..	..	..	..	..	80 " "

" These figures leave out of account the fact that students who fail in an examination will have to rejoin the College and that the second year class will therefore be always larger than the first, and this fact seems to point to the necessity for keeping the number of admissions to the first year classes below the maximum for which there is provision in the second year. This remark applies to the third and fourth year course.

The number five for students taking Branch IV is of course merely a guess. I think that few students will take it, it will not be considered paying, and will involve beginning a fresh language.

" Third and Fourth year University Course.

" B.A. Examination (Pass)—

English	..	..	..	..	..	..	87 in each year.
Branch I	..	..	..	..	..	..	13 " "
Branch II-A	..	..	..	..	..	..	13 " "
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" VI	..	..	..	..	..	..	5 " "
Total	..	..	..	..	..	..	87

" Third, Fourth and Fifth year Course.

" B.A. Examination (Honours)—

Branch I	..	..	..	..	..	..	7 in each year.
" II-A	..	..	..	..	..	..	8 " "
" II-B	..	..	..	..	..	..	5 " "
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" The proportion of honours to pass men may of course be expected to vary. Unless, however, the total number of both does not exceed 150, honours men will not, under Regulation 349 (i), be able to take their preliminary course in English along with the pass men.

" It will be observed that the total estimated number of students is 523. This is, I believe, a larger number than have ever been in the College at one time, its present strength is 485. But it must be remembered that the fifth year class is additional and that the regulation obliging students who fail to rejoin will tend to raise the numbers. The new Regulations will of course, at first, diminish the number of admissions, but I see no reason why it should not ultimately rise at least to that suggested above.

" II.—ALTERATIONS AND ADDITIONS TO THE BUILDING, FURNITURE AND APPARATUS.

" One object of University reform is to modify the present system of teaching by lectures, by providing inducements and facilities, not only for more laboratory work but for more and more systematic individual reading and study. In considering this matter I have been struck by the superior opportunities of stimulating and supervising students' individual work possessed by professors who have laboratories and I am therefore in my rearrangement of the College at constituting "departments" for studies which do not require laboratories similar to those now existing for Chemistry, Physics and Biology. These departments will each of them contain a room suitably furnished for study in which the class library will be placed, lecture rooms, and rooms for study and tutorial work for the professor and assistant professor.

" Part of my scheme is therefore to divide most of the main building of the College into four departments—of Mathematics, History, Moral Science and Classical and Vernacular Languages respectively. This will involve no new building, at least

at present, but putting in partitions so as to provide rooms of varying size and some refurnishing. The appended plans will show roughly what I propose. The accommodation for each department is as follows :—

“ *Mathematics*.—More than half of the central block upstairs including the space occupied by four lecture rooms and if necessary the small room now the office. This will provide three lecture rooms $20' \times 20'$, a study room $20' \times 33'$, three (or four) rooms for professors and assistants. It is proposed to furnish the study room and probably one of the lecture rooms with suitable tables for practical mathematics.

“ *History*.—The corresponding rooms on the south. One large lecture room (or a smaller one and room for professor or assistant). Two small lecture rooms and two rooms for professors or assistants and a study room.

“ *Moral Science*.—All the downstairs rooms north-west of the central corridor including the present professors' dressing room, *i.e.*, two (or three) small rooms for professors and assistants, a study room and two (or three) lecture rooms.

“ *Classical and Vernacular Languages*.—The whole of the southern half of the central building; the rooms to be partitioned as required by the number of languages decided to be taken up. The composition of the larger vernacular classes would probably be taken in the English lecture rooms.

The arrangement of a department of English is a matter of considerably more difficulty. It is only in this subject that large lecture rooms will be required and some of the work will have to be done in the new upper hall and in the room over the library which I propose (*vide* my letter No. 187, dated 25th March 1908) to be the college hall. The general library will for the intermediate and perhaps pass B.A. students serve as a study room. To provide accommodation for the honours men in English and for the junior professor and assistant professors some building will be necessary and I propose that the necessary rooms should be provided in connection with the extension mentioned below, of the chemical laboratory accommodation. The inclusion of physical and natural science in the intermediate course makes some extension of the laboratory accommodation inevitable. I propose that the middle upper room of the north wing which is now used for the geology classes should be a new intermediate physics laboratory. It will be, when the wooden partition that divides it is removed, $30' 3" \times 48' 6"$. The old library will become the zoology department and the two north-east downstairs rooms of the main building which were the original physics laboratory will be used for geological work.

I have gone very fully with Mr. Smith into the question of an extension of the chemical laboratory to provide for the intermediate and honours classes and am convinced that a new laboratory, balance room and lecture room are necessary. I propose therefore (1) that a new block should be thrown out on the south adjoining the library and college hall. This would be about $56' \times 30'$ and would contain on the ground floor a laboratory to accommodate fifty intermediate students and a balance room, and upstairs the accommodation for the English classes mentioned above; (2) a smaller extension from near the west end of the southern wing to provide a small lecture room, say, $20' \times 20'$, and above it a room for the proposed Professor of Physical Chemistry.

“ The arrangement of the Central block in departments involves the abandonment of the rooms now used for the office, the Principal's room, the Literary Society's room and the Professors' dressing room and lavatory. The present office is in every way inconvenient. I propose to use as the Principal's room one of the new rooms over the carriage porches in the new building and that the large new downstairs hall which is no longer required as a lecture room should be divided and one-half used as the office and record room and provided with a convenient counter-arrangement for the transaction of business with students. This arrangement would of course remove the office further from the Principal's room, but I do not think that this would be a serious inconvenience as a speaking tube could be very easily provided between the two rooms.

“ To provide sufficient accommodation for the moral science department the rooms which are now the professors' dressing room and lavatory must be vacated by them. If the partition between these two rooms were removed a good room of

$22' 6" \times 27'$ would be available. This room and the assistant professors' common room which corresponds to it have no verandah and as they are exposed to the full force of the afternoon sun are very hot. A dressing room and lavatory have also to be provided for the professors. I therefore propose a further small extension of the building, *i.e.*, the construction of a verandah to the west of the central portion of the college on both floors. One of the smaller professors' common rooms could then be used as their dressing room and a portion of the new verandah upstairs walled in for a lavatory. The lady students also require a lavatory. I propose that the verandah outside their room should be walled off for this. The new high pressure municipal water-supply will presumably make the provision of lavatory conveniences upstairs easy.

“ I submit with this communication a blue print plan of the building in which the additions and alterations I propose are indicated in black pencil.

“ III.—ADDITIONS TO THE STAFF.

“ Under the new regulations we shall have in each department students in seven distinct classes as against four regular classes under the old by-laws, and a few students for the M.A. degree examination for whom, so far, no lectures have been provided. There are therefore *à priori* grounds for supposing that the teaching staff must be increased. Two main considerations must limit the amount and character of this increase: (1) the amount of time to be devoted to lecturing in the various classes, (2) the extent to which college teaching will be supplemented by University or inter-collegiate teaching, (3) the standard of the teaching required, which in the case of the honours classes, is distinctly above the present. In what follows the first and third of these considerations naturally have most weight but the second has not been lost sight of.

“ Branch I.—English.

“ In the intermediate and pass B.A. courses about half the students' time will be given to English and the work can hardly be covered unless seven hours' lecturing a week is given to each of the intermediate classes and eight to each of the B.A. classes, *i.e.*, thirty hours of lecturing in all, or four hours more than is now given to the F.A. and B.A. classes together. These hours include composition work and it must be remembered that in connection with this there is much heavy correction work.

“ I think that the honours students ought not ordinarily to attend more than two lectures a day and would put their week's lectures at eight. There seems no reason too why some of the courses should not be given to men of more than one year, so that I think twenty hours a week lecturing to honours students should be a large enough estimate. In addition to this, however, the honours men will require a good deal of tutorial supervision as indeed will the other classes.

“ This estimate gives a total of fifty hours' lecturing a week besides tutorial supervision and composition work and to deal effectually with this work I think that a staff of five devoting their whole time to English is essential as against the present staff of three who receive assistance in correction work from another assistant professor and from the Latin master.

“ The honours courses will demand highly specialised knowledge on the part of those who teach for them. I think therefore that one of the additional teachers should be a professor in the Indian Educational Service and that appointment to the two professorships of English should be made with a view of providing good teaching in both literature and language including philology. I do not think, however, that it would be well to give a special designation to the new professor, as for instance Professor of the English Language, for the reason that such a designation might cause difficulties in the distribution of work from the claims of specialist professors to deal only with their own subject. I think that the two professors should be styled simply senior and junior professors of English. The third teacher of English would be as at present a member of the Provincial Educational Service and might be styled Head Assistant Professor of English. There would be in addition two assistant professors in the Subordinate Collegiate Service.

"Branch II.—Mathematics, Physics and Chemistry.

"Mr. Littlehailes estimates the total amount of teaching necessary at 45 hours a week, assuming that some lecturing is done by the University. Since, he says, no lecturer can be expected to deliver himself of more than 7 to 10 honour lectures a week, the present staff in Mathematics ought to be doubled. Since there are now a professor and two assistants who between them do thirty-six hours' teaching, I find much difficulty in accepting this conclusion.

"Mr. Littlehailes in consultation with Mr. Jones recommends the appointment of a Professor of Mathematical Physics, when I suppose the existing professorship would be that of experimental Physics. The University's Inspection Committee recommended a new professorship of Physical Chemistry. If these suggestions were adopted there would be five professors for the various subjects of Branches I, II-A and II-B. Some of the work now regarded as purely mathematical would fall to the Professor of Mathematical Physics and I suppose some of that now purely Physical to the Professor of Physical Chemistry. The Mathematical Professor has already two assistants and the Professors of Chemistry and Physics one each. If the two new professors were each assigned an assistant, the whole staff teaching Mathematics and Physical Science would be eleven or nearly an average of four for each of the branches of the B.A. degree examination. Assuming that the amount of actual teaching does not vary much for each branch the total number of hours for the three would be 135 which would give each of the eleven professors and assistants rather more than twelve hours' teaching work a week. Since in addition to these hours there is also the supervision of laboratory work I think one more assistant professor for the Professor of Physics will probably be necessary. This would make an average of four teachers in each branch with an average of about 11 hours' teaching a week.

"Branch III.—Biological Science.

"The present staff consists of a professor and two assistant professors, one in the Provincial service, who work practically independently of the professor and of one another.

"The inclusion of Botany and Zoology among the subjects of the Intermediate course and the fact that for the B.A. Pass degree students must take two subjects, of which one is subsidiary and will be studied in one year only, will necessitate four distinct classes being formed in each of Botany and Zoology and three in Geology and lectures will have to be given separately to each of these classes as well as supervision of practical work provided for. Leaving out of account, therefore, teaching for honours, in which it is to be supposed that the University will help, the existing staff will be inadequate. The proposals for strengthening made by Mr. Ramunni Menon are, I think, well within the requirements of the case and I therefore adopt them. They are to give each professor (or lecturer) an assistant professor, a demonstrator, an attender and a peon. It appears to me that one of the new appointments should be a professorship in the Indian Educational Service and one in the Provincial Service, the other three being assistant professorships in the subordinate collegiate service.

"Branch IV.—Moral Science.

"The total amount of lecturing necessary in this subject is estimated at 45 hours by Mr. Mangesha Rao which is exactly the number of hours arrived at by Mr. Littlehailes for Mathematics. The conference of principals and professors held at the college in April 1907 considered that whereas intermediate students would require five hours' lecturing in Mathematics, they would only need two hours in Logic. Moreover Mr. Mangesha Rao has not, as Mr. Littlehailes has, taken into account the probability of University help in the honours teaching of his subject. It is also to be borne in mind that Moral Science is a subject that attracts comparatively few students and that consequently the classes in this department are likely to be small. I think therefore that his estimate of a staff of four is unnecessarily large and would recommend only the addition of a single assistant professor.

"Branch V.—History and Economics.

"Mr. Allen's estimate of the numbers who will take History under the new regulations is rather higher than mine. There can be no doubt however that the subject will retain its popularity and that the classes will be comparatively large. So far as the number of lectures and amount of tutorial supervision go I do not think that there can be much difference between this department and that of Mathematics and I agree with Mr. Allen that a staff of four teachers is necessary. I also entirely agree with him in thinking that an additional professorship should be created. Although for the reasons given above in the case of a similar proposal for English I doubt whether it should be styled the Professorship of Economics. An additional assistant professor should also be added to the staff who should not however necessarily be considered as assistant to the Professor of Economics.

"Branch VI.—Classical and Vernacular Languages.

"With regard to this department the question arises whether all the languages at present provided for are to be taught up to the standard of the B.A. Honours examination. Assuming that they are Mr. Rangachari considers that for the South Indian Vernaculars a Superintendent of Vernacular studies with two graduate assistants and a pandit for each language, i.e., in all thirteen persons would suffice. He also considers two additional teachers in Sanskrit necessary so that for Sanskrit and the Dravidian languages alone he requires a staff of altogether seventeen teachers as against the present six. By similar reasoning at least two more teachers would be wanted for Persian, Arabic and Hindustani.

"Since vernacular composition is part of the intermediate examination it will no doubt be necessary to retain the present masters in the Dravidian languages. But I think that the higher language teaching of the college may well be confined to selected languages and would suggest Sanskrit, Persian, Tamil, Malayalam and Urdu or Hindustani. I include Malayalam because we have always drawn a large proportion of our students from the West Coast, and may hope to continue to do so, and I exclude Telugu and Canarese because there are other first-grade colleges which might, I think, more appropriately undertake specialized teaching in these languages. The Latin mastership may, I think, disappear as there is little prospect of students wishing to join the college with a view to specialized study of this language.

"It is not probable that the number of students taking Branch VI will be large especially as the University is about to establish titles in Oriental learning. The staff will have very much less work with the intermediate than they had with the F.A. classes and the honours men should be able to do most of their work with mere supervision and direction. In the light of these facts an enlargement of the staff seems unnecessary. It is however to be remembered that strengthening it might encourage students to devote themselves to Oriental learning while to leave it in its present state might be to prevent the college from taking any leading part in the development of such learning.

"In these circumstances I do not find myself able to make any proposal except that we should wait and see what prospects there are of the language divisions of the examination being taken up.

"It is clear that even if the above proposals were adopted as they stand they need only be carried out by degrees. No honours teaching is required till July 1911 and not until July 1913 will there be three honours classes. Teaching for the intermediate begins in January 1909 and there will be two intermediate classes in January 1910. It will be very inconvenient to teach even one intermediate class with the existing laboratory accommodation and impossible to teach two. It is very desirable therefore that the new accommodation should be ready not later than January 1910. It appears to me that the buildings and alterations suggested should be all taken in hand together and I therefore request as early orders as possible for the preparation of plans and estimates by the Public Works Department authorities in consultation with me. The total cost of building should not exceed Rs. 50,000.

"With a view to the commencement of the new intermediate class in 1909 I also request that the immediate addition to the staff of an assistant professor in each of Chemistry, Physics, Botany, Zoology and English be considered. The work of the Science departments will be greatly increased by the addition of even one intermediate class for the reason that they have nothing at present to do with the F.A. students except to provide a weekly lecture in each of Physiology and Physiography. I consider that the staff in English is already inadequate, in view of the very large senior classes, to cope satisfactorily with written work. The appointment of an additional assistant professor would strengthen the English teaching and also give some relief to the Mathematics Department since one assistant professor of Mathematics might teach Mathematics only instead of as now also helping with the English Composition.

"I presume that these additions would eventually involve an enlargement of the Subordinate Educational Service (Collegiate Branch). Pending this, perhaps four temporary appointments on Rs. 100 each could be made from next January."

4. The additions and alterations to the building proposed by the Principal appear to be necessary and I am calling for the necessary plans and estimates which will be submitted to Government separately.

5. I agree in the main with the proposals regarding staff and think that the additions proposed for the teaching of the several subjects are necessary. But, as stated by Mr. Stone, the full complement will not be required at once; and the additional staff may be appointed as necessity arises. To meet the immediate needs, however, I beg to recommend that sanction be accorded for the addition to the staff from 1st January 1909 of five assistant professors on Rs. 100 each per mensem for each of the subjects, Chemistry, Physics, Botany, Zoology and English. The cost of his establishment will be Rs. 1,000 during the current official year and can be met from the Educational budget.

Order—No. 31, Educational, dated 16th January 1909.

The Director of Public Instruction submits proposals for the reorganization of the teaching staff of the Presidency College, Madras, in order to raise the efficiency of the institution to the standard required by the new University Regulations. He suggests the appointment of six additional professors and seven assistants as follows:—

English	One professor and one assistant.
Physics	One professor and two assistants.
Chemistry	One professor and one assistant.
Botany, Zoology and Geography	Two professors and one assistant.
Mental and Moral Science	One assistant.
History	One professor and one assistant.

It is proposed that one of the professorships, namely, that of Biology, should be placed in the Provincial Educational Service and the remaining five in the Indian Educational Service, and that the posts of Assistants should be included in the cadre of the Subordinate Educational Service.

2. The Government consider that the additional staff proposed by the Director is needed to meet the requirements of the reformed curriculum. They consider, however, that two of the professorships, namely, those of Biology and Physics, should be in the Provincial Educational Service and only the remaining four in the Indian Educational Service.

3. The Director of Public Instruction will be requested to submit at an early date proposition statements for revising the Indian, Provincial and Subordinate Educational Services in accordance with these orders.

4. The Government also accept the recommendation of the Director of Public Instruction to employ from the first term of 1909 five temporary assistants on Rs. 100 each per mensem for each of the five subjects Chemistry, Physics, Botany, Zoology

and English. A separate proposition statement for this establishment should be submitted for sanction at an early date.

(True Extract.)

A. BUTTERWORTH,
Ag. Secretary to Government.

To the Director of Public Instruction,
Financial Department.

Government of Madras.

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“Moral Science.”—All the downstairs rooms north-west of the central corridor including the present professors' dressing room, *i.e.*, two (or three) small rooms for professors and assistants, a study room and two (or three) lecture rooms.

“Classical and Vernacular Languages.”—The whole of the southern half of the central building; the rooms to be partitioned as required by the number of languages decided to be taken up. The composition of the larger vernacular classes would probably be taken in the English lecture rooms.

The arrangement of a department of English is a matter of considerably more difficulty. It is only in this subject that large lecture rooms will be required and some of the work will have to be done in the new upper hall and in the room over the library which I propose (*vide* my letter No. 187, dated 25th March 1908) to be the college hall. The general library will for the intermediate and perhaps pass B.A. students serve as a study room. To provide accommodation for the honours men in English and for the junior professor and assistant professors some building will be necessary and I propose that the necessary rooms should be provided in connection with the extension mentioned below, of the chemical laboratory accommodation. The inclusion of physical and natural science in the intermediate course makes some extension of the laboratory accommodation inevitable. I propose that the middle upper room of the north wing which is now used for the geology classes should be a new intermediate physics laboratory. It will be, when the wooden partition that divides it is removed, $30' 3" \times 48' 6"$. The old library will become the zoology department and the two north-east downstairs rooms of the main building which were the original physics laboratory will be used for geological work.

I have gone very fully with Mr. Smith into the question of an extension of the chemical laboratory to provide for the intermediate and honours classes and am convinced that a new laboratory, balance room and lecture room are necessary. I propose therefore (1) that a new block should be thrown out on the south adjoining the library and college hall. This would be about $56' \times 30'$ and would contain on the ground floor a laboratory to accommodate fifty intermediate students and a balance room, and upstairs the accommodation for the English classes mentioned above; (2) a smaller extension from near the west end of the southern wing to provide a small lecture room, say, $20' \times 20'$, and above it a room for the proposed Professor of Physical Chemistry.

“The arrangement of the Central block in departments involves the abandonment of the rooms now used for the office, the Principal's room, the Literary Society's room and the Professors' dressing room and lavatory. The present office is in every way inconvenient. I propose to use as the Principal's room one of the new rooms over the carriage porches in the new building and that the large new downstairs hall which is no longer required as a lecture room should be divided and one-half used as the office and record room and provided with a convenient counter-arrangement for the transaction of business with students. This arrangement would of course remove the office further from the Principal's room, but I do not think that this would be a serious inconvenience as a speaking tube could be very easily provided between the two rooms.”

“To provide sufficient accommodation for the moral science department the rooms which are now the professors' dressing room and lavatory must be vacated by them. If the partition between these two rooms were removed a good room of

$22' 6" \times 27'$ would be available. This room and the assistant professors' common room which corresponds to it have no verandah and as they are exposed to the full force of the afternoon sun are very hot. A dressing room and lavatory have also to be provided for the professors. I therefore propose a further small extension of the building, *i.e.*, the construction of a verandah to the west of the central portion of the college on both floors. One of the smaller professors' common rooms could then be used as their dressing room and a portion of the new verandah upstairs walled in for a lavatory. The lady students also require a lavatory. I propose that the verandah outside their room should be walled off for this. The new high pressure municipal water-supply will presumably make the provision of lavatory conveniences upstairs easy.

“I submit with this communication a blue print plan of the building in which the additions and alterations I propose are indicated in black pencil.”

“III.—ADDITIONS TO THE STAFF.”

*“Under the new regulations we shall have in each department students in seven distinct classes as against four regular classes under the old by-laws, and a few students for the M.A. degree examination for whom, so far, no lectures have been provided. There are therefore *a priori* grounds for supposing that the teaching staff must be increased. Two main considerations must limit the amount and character of this increase: (1) the amount of time to be devoted to lecturing in the various classes, (2) the extent to which college teaching will be supplemented by University or inter-collegiate teaching, (3) the standard of the teaching required, which in the case of the honours classes, is distinctly above the present. In what follows the first and third of these considerations naturally have most weight but the second has not been lost sight of.”*

“Branch I.—English.”

*“In the intermediate and pass B.A. courses about half the students' time will be given to English and the work can hardly be covered unless seven hours' lecturing a week is given to each of the intermediate classes and eight to each of the B.A. classes, *i.e.*, thirty hours of lecturing in all, or four hours more than is now given to the F.A. and B.A. classes together. These hours include composition work and it must be remembered that in connection with this there is much heavy correction work.”*

“I think that the honours students ought not ordinarily to attend more than two lectures a day and would put their week's lectures at eight. There seems no reason too why some of the courses should not be given to men of more than one year, so that I think twenty hours a week lecturing to honours students should be a large enough estimate. In addition to this, however, the honours men will require a good deal of tutorial supervision as indeed will the other classes.”

“This estimate gives a total of fifty hours' lecturing a week besides tutorial supervision and composition work and to deal effectually with this work I think that a staff of five devoting their whole time to English is essential as against the present staff of three who receive assistance in correction work from another assistant professor and from the Latin master.”

“The honours courses will demand highly specialised knowledge on the part of those who teach for them. I think therefore that one of the additional teachers should be a professor in the Indian Educational Service and that appointment to the two professorships of English should be made with a view of providing good teaching in both literature and language including philology. I do not think, however, that it would be well to give a special designation to the new professor, as for instance Professor of the English Language, for the reason that such a designation might cause difficulties in the distribution of work from the claims of specialist professors to deal only with their own subject. I think that the two professors should be styled simply senior and junior professors of English. The third teacher of English would be as at present a member of the Provincial Educational Service and might be styled Head Assistant Professor of English. There would be in addition two assistant professors in the Subordinate Collegiate Service.”

"Branch II.—Mathematics, Physics and Chemistry.

"Mr. Littlehailes estimates the total amount of teaching necessary at 45 hours a week, assuming that some lecturing is done by the University. Since, he says, no lecturer can be expected to deliver himself of more than 7 to 10 honour lectures a week, the present staff in Mathematics ought to be doubled. Since there are now a professor and two assistants who between them do thirty-six hours' teaching, I find much difficulty in accepting this conclusion.

"Mr. Littlehailes in consultation with Mr. Jones recommends the appointment of a Professor of Mathematical Physics, when I suppose the existing professorship would be that of experimental Physics. The University's Inspection Committee recommended a new professorship of Physical Chemistry. If these suggestions were adopted there would be five professors for the various subjects of Branches I, II-A and II-B. Some of the work now regarded as purely mathematical would fall to the Professor of Mathematical Physics and I suppose some of that now purely Physical to the Professor of Physical Chemistry. The Mathematical Professor has already two assistants and the Professors of Chemistry and Physics one each. If the two new professors were each assigned an assistant, the whole staff teaching Mathematics and Physical Science would be eleven or nearly an average of four for each of the branches of the B.A. degree examination. Assuming that the amount of actual teaching does not vary much for each branch the total number of hours for the three would be 135 which would give each of the eleven professors and assistants rather more than twelve hours' teaching work a week. Since in addition to these hours there is also the supervision of laboratory work I think one more assistant professor for the Professor of Physics will probably be necessary. This would make an average of four teachers in each branch with an average of about 11 hours' teaching a week.

"Branch III.—Biological Science.

"The present staff consists of a professor and two assistant professors, one in the Provincial service, who work practically independently of the professor and of one another.

"The inclusion of Botany and Zoology among the subjects of the Intermediate course and the fact that for the B.A. Pass degree students must take two subjects, of which one is subsidiary and will be studied in one year only, will necessitate four distinct classes being formed in each of Botany and Zoology and three in Geology and lectures will have to be given separately to each of these classes as well as supervision of practical work provided for. Leaving out of account, therefore, teaching for honours, in which it is to be supposed that the University will help, the existing staff will be inadequate. The proposals for strengthening made by Mr. Ramunni Menon are, I think, well within the requirements of the case and I therefore adopt them. They are to give each professor (or lecturer) an assistant professor, a demonstrator, an attender and a peon. It appears to me that one of the new appointments should be a professorship in the Indian Educational Service and one in the Provincial Service, the other three being assistant professorships in the subordinate collegiate service.

"Branch IV.—Moral Science.

"The total amount of lecturing necessary in this subject is estimated at 45 hours by Mr. Mangesha Rao which is exactly the number of hours arrived at by Mr. Littlehailes for Mathematics. The conference of principals and professors held at the college in April 1907 considered that whereas intermediate students would require five hours' lecturing in Mathematics, they would only need two hours in Logic. Moreover Mr. Mangesha Rao has not, as Mr. Littlehailes has, taken into account the probability of University help in the honours teaching of his subject. It is also to be borne in mind that Moral Science is a subject that attracts comparatively few students and that consequently the classes in this department are likely to be small. I think therefore that his estimate of a staff of four is unnecessarily large and would recommend only the addition of a single assistant professor.

"Branch V.—History and Economics.

"Mr. Allen's estimate of the numbers who will take History under the new regulations is rather higher than mine. There can be no doubt however that the subject will retain its popularity and that the classes will be comparatively large. So far as the number of lectures and amount of tutorial supervision go I do not think that there can be much difference between this department and that of Mathematics and I agree with Mr. Allen that a staff of four teachers is necessary. I also entirely agree with him in thinking that an additional professorship should be created. Although for the reasons given above in the case of a similar proposal for English I doubt whether it should be styled the Professorship of Economics. An additional assistant professor should also be added to the staff who should not however necessarily be considered as assistant to the Professor of Economics.

"Branch VI.—Classical and Vernacular Languages.

"With regard to this department the question arises whether all the languages at present provided for are to be taught up to the standard of the B.A. Honours examination. Assuming that they are Mr. Rangachari considers that for the South Indian Vernaculars a Superintendent of Vernacular studies with two graduate assistants and a pandit for each language, *i.e.*, in all thirteen persons would suffice. He also considers two additional teachers in Sanskrit necessary so that for Sanskrit and the Dravidian languages alone he requires a staff of altogether seventeen teachers as against the present six. By similar reasoning at least two more teachers would be wanted for Persian, Arabic and Hindustani.

"Since vernacular composition is part of the intermediate examination it will no doubt be necessary to retain the present masters in the Dravidian languages. But I think that the higher language teaching of the college may well be confined to selected languages and would suggest Sanskrit, Persian, Tamil, Malayalam and Urdu or Hindustani. I include Malayalam because we have always drawn a large proportion of our students from the West Coast, and may hope to continue to do so, and I exclude Telugu and Canarese because there are other first-grade colleges which might, I think, more appropriately undertake specialized teaching in these languages. The Latin mastership may, I think, disappear as there is little prospect of students wishing to join the college with a view to specialized study of this language.

"It is not probable that the number of students taking Branch VI will be large especially as the University is about to establish titles in Oriental learning. The staff will have very much less work with the intermediate than they had with the F.A. classes and the honours men should be able to do most of their work with mere supervision and direction. In the light of these facts an enlargement of the staff seems unnecessary. It is however to be remembered that strengthening it might encourage students to devote themselves to Oriental learning while to leave it in its present state might be to prevent the college from taking any leading part in the development of such learning.

"In these circumstances I do not find myself able to make any proposal except that we should wait and see what prospects there are of the language divisions of the examination being taken up.

"It is clear that even if the above proposals were adopted as they stand they need only be carried out by degrees. No honours teaching is required till July 1911 and not until July 1913 will there be three honours classes. Teaching for the intermediate begins in January 1909 and there will be two intermediate classes in January 1910. It will be very inconvenient to teach even one intermediate class with the existing laboratory accommodation and impossible to teach two. It is very desirable therefore that the new accommodation should be ready not later than January 1910. It appears to me that the buildings and alterations suggested should be all taken in hand together and I therefore request as early orders as possible for the preparation of plans and estimates by the Public Works Department authorities in consultation with me. The total cost of building should not exceed Rs. 50,000.

"With a view to the commencement of the new intermediate class in 1909 I also request that the immediate addition to the staff of an assistant professor in each of Chemistry, Physics, Botany, Zoology and English be considered. The work of the Science departments will be greatly increased by the addition of even one intermediate class for the reason that they have nothing at present to do with the F.A. students except to provide a weekly lecture in each of Physiology and Physiography. I consider that the staff in English is already inadequate, in view of the very large senior classes, to cope satisfactorily with written work. The appointment of an additional assistant professor would strengthen the English teaching and also give some relief to the Mathematics Department since one assistant professor of Mathematics might teach Mathematics only instead of as now also helping with the English Composition.

"I presume that these additions would eventually involve an enlargement of the Subordinate Educational Service (Collegiate Branch). Pending this, perhaps four temporary appointments on Rs. 100 each could be made from next January."

4. The additions and alterations to the building proposed by the Principal appear to be necessary and I am calling for the necessary plans and estimates which will be submitted to Government separately.

5. I agree in the main with the proposals regarding staff and think that the additions proposed for the teaching of the several subjects are necessary. But, as stated by Mr. Stone, the full complement will not be required at once; and the additional staff may be appointed as necessity arises. To meet the immediate needs, however, I beg to recommend that sanction be accorded for the addition to the staff from 1st January 1909 of five assistant professors on Rs. 100 each per mensem for each of the subjects, Chemistry, Physics, Botany, Zoology and English. The cost of his establishment will be Rs. 1,000 during the current official year and can be met from the Educational budget.

Order--No. 31, Educational, dated 16th January 1909.

The Director of Public Instruction submits proposals for the reorganization of the teaching staff of the Presidency College, Madras, in order to raise the efficiency of the institution to the standard required by the new University Regulations. He suggests the appointment of six additional professors and seven assistants as follows:—

English	..	One professor and one assistant.
Physics	..	One professor and two assistants.
Chemistry	..	One professor and one assistant.
Botany, Zoology and Geology ..	..	Two professors and one assistant.
Mental and Moral Science ..	..	One assistant.
History	..	One professor and one assistant.

It is proposed that one of the professorships, namely, that of Biology, should be placed in the Provincial Educational Service and the remaining five in the Indian Educational Service, and that the posts of Assistants should be included in the cadre of the Subordinate Educational Service.

2. The Government consider that the additional staff proposed by the Director is needed to meet the requirements of the reformed curriculum. They consider, however, that two of the professorships, namely, those of Biology and Physics, should be in the Provincial Educational Service and only the remaining four in the Indian Educational Service.

3. The Director of Public Instruction will be requested to submit at an early date proposition statements for revising the Indian, Provincial and Subordinate Educational Services in accordance with these orders.

4. The Government also accept the recommendation of the Director of Public Instruction to employ from the first term of 1909 five temporary assistants on Rs. 100 each per mensem for each of the five subjects Chemistry, Physics, Botany, Zoology

and English. A separate proposition statement for this establishment should be submitted for sanction at an early date.

(True Extract.)

A. BUTTERWORTH,
Ag. Secretary to Government.

To the Director of Public Instruction.
" Financial Department.

EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O., No. 31, EDUCATIONAL,
DATED 16TH JANUARY 1909.

[SUBJECT.—*Proposals for the reorganization of the Presidency College in order to conform to the University Regulations.*]

Previous papers.

G.O., No. 680, Educational, dated 23rd October	1906.
" " 841 " " 27th December	"
" " 842 " " 31st "	"
" " 387 " " 18th June	1907.
" " 383 " " 19th May	1908.
" " 532 " " 13th July	"

From the Director of Public Instruction, dated 12th June 1908, No. 3314.

With his letter R.O.C. No. 3314, dated 12th June 1908, the Director of Public Instruction submits proposals for the reorganization of the Presidency College with the view of bringing it to the standard of efficiency required by the University Regulations.

2. The Presidency College is affiliated in Arts to the University of Madras up to the standard of the B.A. examination and in all the Science divisions and subdivisions of that examination. Special arrangements have also been made in the College for providing instruction up to the standard of the M.A. examination.

3. At present there are 18 classes in the College excluding the M.A. students as follows :—

	Junior class.	Senior class.	Total.
F.A. Examination	1	1	2
B.A. Examination—			
I. Mathematics	1	1	2
II-A. Physics	1	1	2
II-B. Chemistry	1	1	2
III-A. Botany	1	1	2
III-C. Zoology	1	1	2
III-D. Geology	1	1	2
IV. Mental and Moral science	1	1	2
V. History	1	1	2
Total ..	9	9	18

Pages 3 and 4 of G.O., No. 383, Educational, dated 19th May 1908.

4. In the second term of 1907 the strength of the various classes stood as follows :—

		Junior class.	Senior class.	Total.
Pages 3 and 4 of G.O., No. 383, Educational, dated 19th May 1908.	F.A. Examination	76	70	146
	B.A. Examination —			
	Mathematics	8	22	30
	Physics	23	26	49
	Chemistry	12	6	18
	Botany	11	9	20
	Zoology	8	5	13
	Geology	10	12	22
	Mental and Moral Science	7	9	16
	History	40	42	82
Page 4 of G.O., No. 383, Educational, dated 19th May 1908.	M.A. Examination	..	..	24
	Total	..	..	420
	(Besides there were 29 students attending languages only in class IV.)			

5. Under the new University Regulations, the First-in-Arts examination, which under the old bylaw was the same for all students, is to be replaced by the Intermediate examination, which has four optional groups, Mathematics, Natural Science, History and Language. Consequently, instead of two classes of students preparing for the F.A. examination (one junior and one senior) there will be eight classes of students preparing for the Intermediate examination, one junior class and one senior class, in each of the four optional subjects and a common class for English.

6. The present B.A. degree examination is only a single examination. Under the new Regulations the B.A. degree is classified into a Pass and an Honours degree. The course for the Pass degree is two years, while that for the Honours degree, is three years. Consequently, instead of two classes in each of the Science divisions for the B.A. degree, there will be five classes in future, two for the Pass degree and three for the Honours degree. The number of Science divisions for the B.A. degree has also been increased by one, viz., Language.

7. As a result of the above divisions in the Intermediate and the B.A. degree examinations, there will have to be in future 53 separate classes for the optional subjects, besides 7 classes at least for English, as shown below :—

Intermediate Examination.

	First class.	Second class.	Total.
Mathematics	1	1	2
Natural science	1	1	2
History	1	1	2
Language	1	1	2
English	1	1	2
Total	..	..	10

B.A. Degree Examination.

	Pass.		Honours.			Total.
	First class.	Second class.	First class.	Second class.	Third class.	
Mathematics	1	1	1	1	1	5
Physics	1	1	1	1	1	5
Chemistry	1	1	1	1	1	5
Botany	1	1	1	1	1	5
Zoology	1	1	1	1	1	5
Geology	1	1	1	1	1	5
Mental and Moral Science	1	1	1	1	1	5
History	1	1	1	1	1	5
Language	1	1	1	1	1	5
English	1	1	1	1	1	5
Total number of classes	..	..	..	..	..	50

8. The proposals now submitted by the Director of Public Instruction are those formulated by the Principal (Mr. Stone). They relate to—

(1) alterations and additions which should be made to the College buildings for the purpose of providing the additional accommodation required for the new classes—Intermediate classes and the B.A. Honours classes—to be formed under the new Regulations and

(2) the provision of additional teaching staff for those classes.

The Director agrees in all the proposals made by Mr. Stone and states that they have been discussed in the College Council and also between individual Professors and the Principal.

9. *Accommodation*—As regards accommodation, the Director of Public Instruction states that the additions and alterations to the College building suggested by Mr. Stone appear to be necessary and that he is calling for plans and estimates for the work and will submit them separately. Mr. Stone considers that the total cost of the alterations and additions proposed by him should not exceed Rs. 50,000.

A large enough sum even if not exceeded.

H. D. TAYLOR.

It is only £3,300.

G. S. F[ORBES]—24-8-08.

10. *Staff*.—Mr. Stone states that the present strength of the College is 485 (it was 495 when the University Commission visited the College on the 17th October 1905) and estimates that in future it will be 523, owing chiefly to the addition of a fifth year class (Third year Honours Course) :—

Intermediate Classes	160
B.A. (Pass) Classes	174
B.A. (Honours) Classes	189
Total	523

As regards the additional teaching staff required, the Director of Public Instruction states "that the addition of three Honours classes and the substitution of the "Intermediate Examination with four optional groups for the F.A. Examination "which was practically the same for all students means an increase of the amount "of teaching work to be done by about 75 per cent. even if the total number of "students under instruction is not much larger than at present".

11. The teaching staff at present provided for English and each of the science divisions of the B.A. degree examination and the additional staff proposed by Mr. Stone for each are given below :—

(1) *English*.—The work of teaching English is now done by a Professor (I.E.S.), a Junior Professor (P.E.S.) and an Assistant Professor (S.E.S.)

I think a Provincial man would do here.

H. D. TAYLOR.

No. I don't think so. To teach English in a college of this kind we must have an Englishman.

M. H[AMMICK].

I agree.

G. S. F[ORBES]—24-8-08.

assisted by another Assistant Professor who devotes part of his time to English and part to Mathematics. Mr. Stone proposes the addition of a Professor (I.E.S.) and an Assistant Professor (S.E.S.). The Assistant Professor who devotes part only of his time to English will be relieved and be able to devote his whole time to Mathematics.

(2) *Mathematics*.—This subject is now taught by a Professor (I.E.S.) and an Assistant Professor (S.E.S.) assisted by another Assistant Professor, to whom reference is made in the preceding clause. Mr. Stone proposes no addition to the staff except to relieve the second Assistant Professor of all the work in connection with English.

(3) *Physics*.—The teaching of Physics is now carried on by a Professor (I.E.S.) and an Assistant (S.E.S.). Mr. Stone proposes the appointment of an additional Professor (I.E.S.) and two Assistants (S.E.S.).

(4) *Chemistry*.—This subject is now taught by a Professor (I.E.S.) and an Assistant (S.E.S.). Mr. Stone proposes the appointment of an additional Professor (I.E.S.) and an Assistant (S.E.S.).

(5) *Biology*.—(Botany, Zoology and Geology).—These subjects are now taught—Botany by a European Professor (I.E.S.), Zoology by the Senior Assistant Professor (P.E.S.), and Geology by an Assistant Professor (S.E.S.). The post of Assistant Professor of Geology is to be included in the Provincial Educational Service in the place of the First Assistantship of the College of Agriculture abolished). Mr. Stone considers that each subject should be taught by a Professor and an Assistant and proposes the appointment of two Professors (one I.E.S. and the other P.E.S.) and three Assistants in the Subordinate Educational Service in place of the present two Assistants in the Provincial Educational Service.

(6) *Mental and Moral Science*.—The present staff consists of a Professor (P.E.S.) and an Assistant (S.E.S.) Mr. Stone states that this subject attracts comparatively few students and that consequently the addition of a single Assistant Professor (S.E.S.) is sufficient.

(7) *History*.—The work of teaching History is now shared between a Professor (I.E.S.) and an Assistant (S.E.S.). Mr. Stone proposes the appointment of an additional Professor (I.E.S.) and an Assistant (S.E.S.).

(8) *Classical and Vernacular languages*.—Mr. Stone does not consider that any large number of students will take up this subject and does not propose the appointment of additional staff.

12. The following statement compares the present and the proposed staff:—

	Present staff.		Proposed staff.	
English	2 Professors.	1 Assistant.	3 Professors.	2 Assistants.
Mathematics ..	1 Professor.	2 Assistants.	1 Professor.	2 Assistants.
Physics	1 Professor.	1 Assistant.	2 Professors.	3 Assistants.
Chemistry	1 Professor.	1 Assistant.	2 Professors.	2 Assistants.
Botany, Zoology and Geology ..	1 Professor.	*2 Assistants.	3 Professors.	3 Assistants.
Mental and Moral Science	1 Professor.	1 Assistant.	1 Professor.	2 Assistants.
History	1 Professor.	1 Assistant.	2 Professors.	2 Assistants.
Classical and Vernacular languages ..	1 Professor.	..	1 Professor.	..
Total	9 Professors.	9 Assistants.	15 Professors.	16 Assistants.

* It is proposed to abolish these and to substitute two posts in the Subordinate Educational Service instead.

It is observed that Mr. Stone proposes the appointment of six additional Professors and seven Assistants as follows:—

English	1 Professor and 1 Assistant.
Physics	1 Professor and 2 Assistants.
Chemistry	1 Professor and 1 Assistant.
Botany, Zoology, and Geology ..	2 Professors and 1 Assistant.
Mental and Moral Science	 1 Assistant.
History	1 Professor and 1 Assistant.

One of the six Professorships (Biology) is to be in the Provincial Educational Service and the remaining five in the Indian Educational Service. The Assistants are all to be in the Subordinate Educational Service.

13. The Director of Public Instruction does not enter into the financial effect of these proposals, apparently because he considers these additions to the teaching staff are not all required to be made immediately. Under Regulation 370 of the new University Regulations, the first Intermediate examination will be held in March and April 1911 and the first B.A. degree (Honours) examination in March and April 1914. The first set of the new Intermediate classes will have therefore to be formed in January next, the second set in January 1910, the first B.A. (Honours) class in July 1911, the second in July 1912 the third in July 1915. The additional teaching staff has therefore to be appointed by instalments. To meet the immediate needs, the Director of Public Instruction requests sanction to the appointment from 1st January 1909 of five Assistant Professors on Rs. 100 each per mensem for each of the five subjects, Chemistry, Physics, Botany, Zoology and English. The cost of these appointments will be Rs. 1,000 * during the current official year and this can be met, the Director states, from the current year's budget provision. It is presumed that the Director will address Government subsequently regarding the creation of the new Professorships and Assistantships; but the question may perhaps be considered in connection with another proposal for the improvement of the Indian Educational Service.

14. It is for consideration whether the present proposal of the Director of Public Instruction to employ five Assistants for the College from 1st January next may be approved and a proposition statement called for.

T.K.—22-6-08.

K. RANGASWAMI AYYANGAR—22-6-08.

I submit that it is no use dealing with this scheme piecemeal. The scheme must either be approved or modified, and it is essential to know the total estimated cost of the proposal before they can be sanctioned or considered. The addition of five Professors to the Indian Educational Service seems to me to be more than is necessary and more than we are likely to get, especially as further proposals will no doubt come in from Kumbakonam and Rajahmundry. Mr. Stone never bases his requests on economical lines.

Please work out the total additional annual cost of the proposals before proceeding further. Is there likely to be any additional fee income?

H. D. TAYLOR—23-6-08.

The cost of the additional establishment proposed is as follows:—

	Cost per mensem.
Rs.	A. P.
Paragraph 12 of office-note <i>supra</i> .	
Five Professors in the Indian Educational Service (at Rs. 500—50—1,000) = 5 x Rs. 805-8-11	
the average pay of the post	4,027 12 7
One Professor in the Provincial Educational Service, Rs. 200—700 (average pay Rs. 416-10-8)	416 10 8
+ Cf. the existing scale of assistant lecturers in Arts Colleges on page 2 of G.O., No. 686, Educational, dated 23rd October 1906.	
Seven Assistant Professors in the Subordinate Educational Service (5 on Rs. 100 as now proposed and 2 on Rs. 125)	750 0 0
Total	5,194 7 3

But as it is proposed to replace the two posts of Assistant Professors of Zoology and Geology by two appointments in the Subordinate Educational Service (it may be assumed by posts on pay of Rs. 125 per mensem), the total additional cost above arrived at will have to be reduced by the difference between the value of the two Provincial Service appointments and that of the two in the Subordinate Educational Service, that is, by $2 \times \text{Rs. } 416-10-8$ minus $2 \times \text{Rs. } 125$ or by Rs. 583-5-4. The net additional expenditure of the proposed establishment will thus be Rs. 4,611-1-11 per mensem or Rs. 55,333-7-0 per annum.

RS.	A.	P.
833	5	4
250	0	0
583	5	4
5,194	7	3
583	5	4
4,611	1	11

2. As regards the income from fees, the actual income during 1907 was Rs. 38,201-4-0. During the second term of 1907, there were in this college 146 students in the F.A. classes, 279 in the B.A. classes and 29 in the M.A. classes. From the details given in paragraph 3 of Mr. Stone's letter it is observed that under the altered conditions, the college is expected to have a total strength of 523, distributed as shown below:—

Vide also paragraph 10 of office note on page 3, <i>supra</i> .	Intermediate classes	160
	B.A. (Pass course)	174
	B.A. (Honours course)	189
	Total ..	523

Assuming that this expectation is realized and that the rate of fee for the B.A. Honours course is the same as for the Pass course, the total income from fees will be Rs. 49,912, which gives an increase of about Rs. 10,000 as compared with the actual fee income in 1907.

	RS.
160 $\times$ 76 =	12,160
363 $\times$ 104 =	37,752
	49,912

K. RANGASWAMI AIYANGAR—25-6-08.

The cost of the proposals, if accepted, will roughly be Rs. 60,000 per annum, of which Rs. 10,000 may be recouped from fees. The net additional annual charge will be half a lakh per annum.

It is understood that the Director of Public Instruction has other proposals in contemplation in connection with the Rajahmundry and Kumbakonam Colleges.

Orders may be passed on this file, but we may wait to address India until we can send in consolidated proposals for all colleges. It may be desirable to raise the standard fees. I understand from the Director of Public Instruction that in some of the colleges up north the staff of European professors is not less than that now proposed for the Presidency College.

H. D. TAYLOR—26-6-08.

I have kept over this file since a few weeks ago, when the subject was mentioned in Council. The conclusion we came to then was, I think, that no doubt improvements in the direction mentioned here were advisable, but that the point to which Government should go was really a matter of finance; that with the numerous demands likely to be made on the revenues, *e.g.*, for sanitary improved establishments, for improved pay for Revenue and Judicial establishments, greater expenditure on the Art school and our industrial department it was doubtful whether Government could sanction improvements in the higher colleges, which would involve the

expenditure demanded by these proposals. I think as the Hon'ble Mr. Forbes will be back now in a few weeks the papers had better be kept and submitted to him for consideration.

M. H[AMMICK]—17-7-08.

Done—*vide* letter No. 532, Educational, dated 13th July 1908.

K.E.—18-7-08.

Please add to this file a copy of our letter to India on the subject of improvements in the Educational service. Pending the Hon'ble Mr. Forbes' return, the file may go to the Financial Department u.o. for perusal.

H. D. TAYLOR—18-7-08.

To the Financial Department.

FINANCIAL DEPARTMENT.

The case may be returned to Educational after perusal. As Educational have not yet decided about the additional staff it is not now possible to gauge the financial effect of the proposals even so far as they relate to the Presidency College. In the budget estimate for 1908-1909 under the head 22. EDUCATION, a lump provision of

Page 131 of Civil Budget Estimate. 20 lakh has been made on account of the organization and equipment of Arts Colleges with reference to the new University regulations. Any expenditure in the current year on account of additional staff—this will be only for the Intermediate classes at present—can be met from that lump provision (20 lakh).

2. As regards additions and improvements to buildings, the Public Works Department should, it is submitted, see to the provision of funds therefor.

A.H.—24-7-08.

C. M. SCHMIDT—25-7-08.

There is no use in sending this to the Honourable Member in charge of Financial at this stage.

It may go back to Educational.

J. N. ATKINSON—27-7-08.

In paragraph 4 of his letter, the Director of Public Instruction states that plans and estimates for alterations and additions to the buildings will be submitted separately.

The file may lie over till the Hon'ble Mr. Forbes returns. Meanwhile current and notes may be printed.

H. D. TAYLOR—28-7-08.

The current and notes have been printed. The file may be circulated to the Hon'ble Mr. Forbes, c.s.i.

K. RANGASWAMI AIYANGAR—8-8-08.

C. A. SOUTER—8-8-08.

H. D. TAYLOR—10-8-08.

With the altered curriculum and the larger attendance contemplated the additional staff is clearly required. So far as the strength of the staff goes I think we must accept the Director of Public Instruction's proposals. The question is mainly whether the additional Professors should be Indian Educational or Provincial Educational men. The Director of Public Instruction proposes that of the six additional Professors, five shall be Indian Educational Service and one Provincial Educational Service. The only alteration I think feasible is that the additional Professor in Physics should belong to the Provincial Educational Service. There are several highly educated mathematicians available in the country qualified to teach Physics. There will still be a Physics Professor of the Indian Educational Service. If so,

there will be four Indian Educational Service professors and two Provincial Educational Service. The total cost of the additional staff reviewed in paragraph 2 of the office-note of 25th June 1908 will thus be reduced from Rs. 4,611 to Rs. 4,223 (figures which should be verified).

The cost of additional buildings estimated at Rs. 50,000 must be faced.

The file may now go to Financial department.

G. S. F[ORRES].

Verify please as at "A".

H. D. TAYLOR—26-8-08.

The extra cost of the proposed additional staff as worked out in paragraph 1 of the office-note on pages 5 and 6 of note file is Rs. 4,611-1-11. If, instead of having five additional Professors in the Indian Educational Service and one Professor in the Provincial Educational Service, there are to be only four Professors in Indian Educational Service and two in Provincial Educational Service, the cost will work out as hereunder:—

	RS.	A.	P.
Four Professors of Indian Educational Service at (Rupees 500-50-1,000) 4 x Rs. 805-8-11 = ..	3,222	3	8
Two Professors of Provincial Educational Service (Rs. 200-700) 2 x Rs. 416-10-8 = ..	833	5	4
Seven Assistant Professors (2 on Rs. 125 and 5 on Rs. 100). ..	750	0	0
	4,805	9	0
<i>Less—</i>			
Savings as calculated in paragraph 1 of office-note on page 6 <i>supra</i>	583	5	4
Net extra cost ..	4,222	3	8
			per mensem.

K. RANGASWAMI AIYANGAR—27-8-08.

The case may go to Financial.

C. A. SOUTER—28-8-08.

H. D. TAYLOR—29-8-08.

To the Financial Department.

FINANCIAL DEPARTMENT.

Financial may agree to the proposals as modified by Educational, involving an extra expenditure of Rs. 4,222-3-8 per mensem, or Rs. 50,666-12-0 per annum.

Yes. This year, but it is recurring.

M. HAMMICK—8-9-08.

As already pointed out in Financial note, dated 24th July 1908, the cost can be met from the lump provision of 20 lakh under 22. EDUCATION.

A.H.—6-9-08.

C. M. SCHMIDT—7-9-08.

If the scheme is sanctioned, Finance will have to find money next year.

M. HAMMICK—8-9-08.

I confess I feel somewhat staggered by these proposals. They seem to me utterly extravagant. The wisdom of an alteration which requires an increase of about 75 per cent. in the teaching power of all the colleges in the Presidency seems problematical and is a raising of the standard with a vengeance. The scheme, however, will have to go to the Secretary of State who will not sanction half of it. It is to come into operation only piecemeal between now and 1915. The present demand is only for five Assistant Professors on Rs. 100 a month each.

As to financing the proposals I do not think there will be any difficulty in finding the Rs. 50,000 required for extension of the premises. It can come out of the Public Works Department grant, some taluk cutcherries being postponed.

As to the staff, no part of the scheme can be brought into operation till the sanction of the Secretary of State is given, but we can, I think, under the rules appoint the five Assistant Professors in anticipation of approval. This means a charge of Rs. 6,000 in next year and this can no doubt be met. But there will also be somewhat similar demands, though on a much smaller scale, from Kumbakonam and Rajahmundry.

Spread over a series of years there ought not to be much difficulty in meeting the cost of the proposed scheme. But it must be remembered that by adopting it a considerable portion of the share of the Educational Department in the growth of revenue will be absorbed and *pro tanto* other schemes rendered impossible, and that in future years, especially in next year, we must, I think, look for a check on our financial prosperity partly owing to contraction of revenue from bad season and partly owing to enhanced expenditure from the same cause. We cannot, however, seriously contemplate this scheme from a financial point of view till it has been sanctioned.

G. S. [TOKES]—8-9-08.

To the Educational Department, with Honourable Member's note.

M. HAMMICK—9-9-08.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

As I understand, Financial agree only stipulating that the scheme with certain exceptions shall not have operation till the Secretary of State's sanction is received. I see no objection.

G. S. F[ORRES]—3-10-08.

I understand that Honourable Members are agreed that the Secretary of State's sanction to these proposals is to be sought.

I have no objection. The proposed increase in the staff seems necessary. But I do not understand whether it is proposed to deal first of all with the Presidency College only or to wait until the schemes for improving Rajahmundry, Kumbakonam, etc., are matured.

A. L[AWLEY]—8-10-08.

The proposals in regard to Rajahmundry have been received, but not those in respect of Kumbakonam?

H. D. TAYLOR—9-10-08.

The proposals in regard to the Rajahmundry College have been received and the file has been sent u.o. to the Financial Department on 2nd October 1908.

The proposals in respect of the Kumbakonam College have not yet been received.

K. RANGASWAMI AIYANGAR—9-10-08.

C. A. SOUTER—9-10-08.

Please merely reply to my query and put up the files regarding Rajahmundry and Kumbakonam, if received.

H. D. TAYLOR—9-10-08.

The Rajahmundry file is with Financial.

The Kumbakonam proposals have not yet been received.

K. RANGASWAMI AIYANGAR—9-10-08.

Await return from Financial and ask Director of Public Instruction by separate memorandum when his proposals in respect of Kumbakonam and Mangalore may be expected.

H. D. TAYLOR—10-10-08.

The draft memorandum below is for approval.

K. RANGASWAMI AIYANGAR—10-10-08.

Issue.

C. A. SOUTER—12-10-08.

The proposals relating to the Kumbakonam and Mangalore Colleges have been received and the files connected with them are now with Financial. May this file lie over till their return please? The Financial Department has been reminded.

K. RANGASWAMI AIYANGAR—11-11-08.

For perusal.

C. A. SOUTER—11-11-08.

Please draft for approval separately according sanction to the proposals subject to confirmation by the Secretary of State and send to Financial for acceptance. Then draft to India a single letter dealing with all four institutions. His Excellency's note should be abstracted and placed at the head of the notes on the general file.

H. D. TAYLOR—12-11-08.

A draft is submitted for approval. If approved, it may be sent to the Financial Department for acceptance.

2. Action is being taken separately with reference to the Secretary's note at A above.

T.K.—19-11-08.

K. RANGASWAMI AIYANGAR—20-11-08.

The draft seems to carry out the intention of the Financial Department.

C. A. SOUTER—21-11-08.

Through the Financial Department.

H. D. TAYLOR—23-11-08.

FINANCIAL DEPARTMENT.

Attention is invited to the Hon'ble Mr. Stokes' note, dated the 8th September 1908, on pages 8 and 9 *supra*. Submitted that the draft may be accepted.

V.G.K.—28-11-08.

It is not clear whether the Honourable Member (Financial) intended order to issue in these terms. But it seems necessary that Government should either approve or disapprove of the scheme generally. Once approval is granted, the Government stand committed to the scheme. The Secretary of State may object to the additions to the Indian Educational Service; but if he does not, the scheme will become a sanctioned scheme.

I think he did. We were to ask Secretary of State to expect the scheme to be cut down. But even if sanctioned in entirety, he thought money could be found to meet increased expenditure which would be spread over some years.

C. J. WEIR—10-12-08.

2. The subject of the reorganization of the professorial staff in Government Arts Colleges was alluded to in the recent discussion of the Educational budget (please see paragraph 18 of Educational office-note, dated 13th November 1908). The general rise in the expenditure on education was brought out in the statement in paragraph 11 of the Financial Department note, dated 27th November 1908.

Yes. Honourable Member (Financial) has seen these. I think we may accept in Financial.

C. J. WEIR—10-12-08.

C. M. SCHMIDT—9-12-08.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

For approval.

H. D. TAYLOR—12-12-08.

Of course we cannot approve the scheme as a whole until we get the Secretary of State's approval and sanction—at any rate in so far as it involves the appointment of additions to the Indian Educational Service. This will take time.

But some of the proposals surely can be given effect to and are required quite independently. For instance five assistants are required whether we get the extra professors or not. And cannot we appoint at once two professors from the Provincial Educational Service for Biology and Physics?

Paragraph 4 of the draft order provides for this.

H. D. TAYLOR—14-12-08.

A Men are not available unless additional appointments are created in that service. Please examine further.

H. D. TAYLOR—14-12-08.

All the proposals which the Director of Public Instruction chose to include in his one letter need not be regarded as and is *not* one indivisible scheme, if so treating it would delay the operation of the parts of it.

G. S. F[ORBES]—12-12-08.

With reference to the Honourable Member's query and the Secretary's remarks at A above, it is submitted that there are now forty posts in the Provincial Educational Service, which are distributed as shown below:—

Inspectors	2
Assistant Inspectors	12
Professors—	
(1) Professor of Mathematics, College of Engineering	1
(2) Professor of Mental and Moral Philosophy, Presidency College	1
(3) Professor of Sanskrit, Presidency College	1
Junior Professor, Presidency College	1
Assistant Professors—	
(1) Senior Assistant Professor, Presidency College (Biology)	1
(2) Assistant Professor of Hygiene, Medical College	1
Vice-Principals (Mangalore and Rajahmundry Colleges)	2
Headmasters—	
(1) Headmaster, Bree's Memorial School	1
(2) Headmaster, Mercara High School	1
(3) Headmaster, Madrasa-i-Azam	1
Lecturers	7
First and Second Assistants, Teachers' College	2
Assistant Professor of Geology, Presidency College	1
Personal Assistant to the Director of Public Instruction	1
Deputy Superintendent, Reformatory School	1
Assistant Superintendent, School of Arts	1
Instructors, College of Engineering	2
Total	40

2. It does not appear that two professors can be appointed at once from the Provincial Educational Service for Biology and Physics, without taking away two men now in the service, either from the posts of Assistant Inspectors or from any of the other posts now allotted to the Provincial Service. Such appointments could, it is submitted, be only made if two additional appointments are made in the Provincial Educational Service, for which the sanction of the Government of India should be obtained. Attention is solicited to India's letter No. 946, Education, Home Department, dated 19th December 1906, in which the Government of India declined to delegate to the Local Government the power to make alterations in the appointments included in the cadre of the Provincial Educational Service, subject to certain conditions.

On page 2 of G.O., No. 1, Educational, dated 2nd January 1907.

3. Attention is also invited to paragraph 5 of the Director of Public Instruction's letter from which it is observed that the immediate needs will be met if five assistant professors on Rs. 100 each are sanctioned for the present.

K. RANGASWAMI AIYANGAR—24-12-08.

The above note is correct, I submit.

2. At first sight it seemed to me that two Assistant Inspectors might be brought into the college and two Sub-Assistants appointed in their place. This would have been supplementary to the scheme which has recently been sent up to India and which will provide one inspecting officer for each district. But under present rules, as pointed out in the office-note, this Government cannot sanction such an arrangement.

C. A. SOUTER—27-12-08.

The draft Government Order may apparently now issue.

A. BUTTERWORTH—4-1-09.

Yes: but the date of the employment of the temporary assistants must be modified. If they can be employed this term all the better.

G. S. F[ORBES]—15-1-09.

Issue.

A. BUTTERWORTH—16-1-09.

[G.O., No. 31, Educational, dated 16th January 1909.]

NOTES



18
Educational Department.

by the Honble Mr Hammick
Remark on G.O. No. 31 Educational dated
16 Jan 1909 sent in a perusal file:—
"Please send me the original of
this order."

M.H.
3.2.09.

Sent the order to H.M. please.

A.B.
4.2.09.

*The original of the order is put up.
It may be submitted to the Honble Mr Hammick.
The original of the notes connected
with this G.O., which was recalled from
the Press for the preparation of a draft
letter to India, is attached to the copy
of the G.O.*

R.D.
8.2.09.

Col
8.2.9.

Honble Hammick C.S.2 C.2.E.

Thanks sent

M
10 11.09

*Please send the notes to Perrow for
printing.*

R.D.
11-2.09

CIRCULATED IN EDL.
AND LEG. DEPT.

Box Ordinary No. 42
Confidential 8.2.9

[illegible]

READ ALSO:—

" " ? " " , " , " 190

" " " "

190

No. 31, dated 16-1-1909

P. S.

Instruction submits proposals for the reorganization of the ^{teaching}~~professorial~~ staff of the Presidency College, Madras, in order to raise the efficiency of the institution to the standard required by the New University Regulations. He suggests the appointment of six additional Professors and seven assistants as follows:-

Chemistry- 1 " 1 assistant

Botony

2
9P 20

Botany, Zoology & .. 2 Professors & 1
Geography .. assistant.

Mental & Moral .. 1 Assistant.
Science.

History .. 1 Professor & 1
assistant.

It is proposed that one of the Professorships, namely, that of Biology, should be placed in the Provincial Educational Service and the remaining five in the Indian Educational Service, and that the ^{posts of} ~~assistant~~ ^{should} ~~be~~ be included in the ^{ordinate} ~~ordinate~~ cadre of the Sub-Educational Service.

2. The Government consider that the

additional staff proposed by the Director ^{needed to meet the requirements of the reformed curriculum} is necessary and are pleased to approve.

^{Subject to the sanction of the S. of S.} ~~the above proposals, subject to the modification~~ ^{they consider, however,}

that two of the Professorships namely, those of Biology & Physics, should be in the Provincial Educational Service and only the remaining four in the Indian Educational Service.

3. The Director of Public Instruction will be requested to submit at an early date proposition statements for revising the Indian, Provincial & Subordinate Educational Services in accordance with these orders.

4. The Government also accept the recommendation of the Director of Public Instruction to employ from 1st January 1909 five temporary assistants on Rs 100/- each per mensem for each of the five subjects Chemistry, Physics, Botany,

Zoology

Para 5 on page 7 of C.F.
the first series of 1909

21 10P

Zoology and English. A separate proposition statement ^{for this establishment} should be submitted for sanction at an early date.

7/24.
20.11.08

cds
21.11.08
W23
23 x 108

✓ *[Signature]* 10/1/9

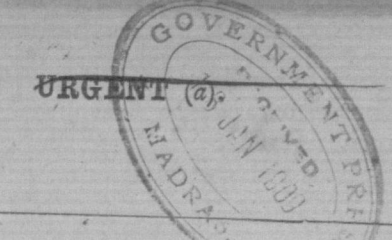
To, The Director of Public Instruction.
" Financial Department.

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PREFERENCE.

EDUCATIONAL LEGISLATIVE DEPARTMENT.



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PP 16-1-09

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