Government of Madras.

EDUCATIONAL DEPARTMENT.

Read. Regd. } 1913. Enclosures Spare copies

G.O. No. 304, 11th April 1913.

Affiliation.

Sanctioning the further — to the University of Madras of the Central College, Bangalore, in Group (II-B)—Chemistry—of the B.A. Degree (pass) course.

Government of Madras.

EDUCATIONAL DEPARTMENT.

2

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GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

Read—the following paper :—

Letter—from Francis Dewsbury, Esq., B.A., LL.B., Registrar, University of Madras.
To—the Secretary to Government, Educational Department.
Dated—Senate House, the 20th March 1913.
No.—1220.

I have the honour, by direction of the Syndicate, to submit, under Regulation 376 (*d*) for disposal by His Excellency the Governor in Council, the accompanying application from the Inspector-General of Education in Mysore for further affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree Courses under the New Regulations, together with copies of the proceedings of the Syndicate and the Senate on the subject, and of the report submitted by the Syndicate to the Senate.

At its adjourned meeting held on Saturday the 8th March 1913, the Senate recorded its opinion that the affiliation may be granted by Government.

Enclosures.

(1)

Extracts from the Minutes of the Syndicate in connection with the application from the Central College, Bangalore, for affiliation in Group (ii-B)-Chemistry—of the B.A. Degree Courses under the New Regulations.

Dated August 16, 1910.

* * * * *

Considered the following proceedings of the joint meeting of the University Inspection Commission and the Affiliation Committee of the Syndicate held on August 3, 1910 :—

"I. * * * *

II. Read applications for affiliation now pending with the Syndicate.

Resolved that the following arrangements be recommended to the Syndicate for the local inquiry in each case :—

College.	Branch.	Inspector.
* *	* *	*
Central College, Bangalore ..	B.A. ii-B (Pass) ..	Mr. A. W. Bishop.
* *	* *	*

J. D. W. Sewell.
E. M. Macphail.
R. Ll. Jones.
A. C. Mitchell."

Resolved that the recommendations of the Committee in regard to—

* * * * *

(ii) the arrangements for the local inquiries in the case of those colleges which have applied for fresh affiliation in the Intermediate, *B.A. Degree* (*Pass* and Honours) Courses and the L.T. Degree Course,

be accepted.

* * * * *

Dated November 1, 1910.

* * * * *

Read letter, dated September 24, 1910, from Dr. A. W. Bishop, submitting his report on the local inquiry conducted by him in connection with the application for the affiliation of the Central College, Bangalore, in Group ii-B, B.A. Degree (Pass) Course.

* * * * *

Resolved that a copy of the report be sent to the authorities of the respective colleges, with the request that the Syndicate may be informed within the course of the next fourteen days how and when it is proposed that the deficiencies indicated therein will be remedied and the suggestions made carried into effect.

* * * * *

Dated December 21, 1910.

* * * * *

Read letter, dated November 9, 1910, from the Inspector-General of Education in Mysore, forwarding a copy of the letter addressed to Dr. Bishop with reference to the Inspection Report of the latter on the application of the Central College, Bangalore, for affiliation in Group ii-B (Chemistry) of the B.A. Degree Courses.

Read also letter, dated November 15, 1910, from Dr. A. W. Bishop forwarding a further report on the above application for affiliation.

Read also further letter, dated December 5, 1910, from the Inspector-General of Education in Mysore replying to the Inspection report of Dr. Bishop on the above application for affiliation.

Resolved that the Inspector-General of Education in Mysore be informed that the Syndicate feels some hesitation in recommending the application for affiliation to the Senate ; and that, in view of the fact that the accommodation at the college, which is expected to be available by July 1911, will not be sufficient to adequately provide for the teaching of Group ii-B (Chemistry) of the B.A. Degree Courses, the Syndicate is inclined to think that the application should be deferred for about twelve months.

* * * * *

Dated March 6, 1911.

* * * * *

Considered representations made to the Vice-Chancellor by letter and to other members of the Syndicate by Mr. J. Weir, Inspector-General of Education in Mysore, Bangalore, regarding the applications for affiliation of the Central College, Bangalore, and of the Maharaja's College, Mysore, in Groups (ii-B) and (vi) of the B.A. Degree Courses, respectively.

Resolved that Mr. J. Weir be informed that the Syndicate is unable to alter its previous decision with regard to the affiliation of the Central College, Bangalore, and that it is open to Government to grant the affiliation of the Maharaja's College, Mysore, which was recommended by the Syndicate to the Senate, and that the Syndicate does not propose to take any further action therein.

* * * * *

Dated January 23, 1913.

* * * * *

Read letter No. 7691-1279, dated January 16, 1913, from the Inspector-General of Education in Mysore, Bangalore, requesting the Syndicate to recommend to the Senate that the application for the affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree Courses may be granted by Government ;

together with the report thereon of the Affiliation Committee of the Syndicate, recommending the appointment of Mr. W. Erlam Smith to conduct another local inquiry.

Resolved that Mr. Erlam Smith be appointed to conduct the local inquiry.

* * * * *

Dated February 4, 1913.

* * * * *

Considered the report of the local inquiry by Mr. W. Erlam Smith in connection with the application of the Inspector-General of Education in Mysore for the affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree Courses.

Resolved that the report be adopted and that, provided the assurances referred to in the report are duly received from the Inspector-General of Education in Mysore, and on his undertaking that the conditions stated in paragraph 4 of the report will be fulfilled, the Syndicate will be prepared to recommend to the Senate that the affiliation may be granted by Government.

* * * * *

Dated February 17, 1913.

* * * * *

Read correspondence ending with letter No. 9186/1481, dated 15th February 1913, from the Inspector-General of Education in Mysore, Bangalore, confirming the assurances called for in this office letter No. 561, dated 6th February 1913, and undertaking to complete the building, equip the laboratory and entertain the necessary staff by the 30th June 1913 for the Central College, Bangalore, in connection with the application for the affiliation of the College in Group (ii-B)—Chemistry—of the B.A. Degree Courses.

The Registrar requested orders as to whether the application may now be recommended to the Senate.

Resolved that it be a recommendation to the Senate to record its opinion that the affiliation application may be granted by Government.

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(2)

Extract from the Minutes of the Meeting of the Senate held on 8th March 1913.

* * * * *

In the absence of Mr. E. W. Middlemast,
Mr. Mark Hunter proposed
and
The Rev. G. Pittendrigh seconded :—

"That the Senate record its opinion that the application from the Inspector-General of Education in Mysore for further affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree Courses may be granted by Government."

Carried.

* * * * *

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(3)

Report of the Syndicate upon the application from the Inspector-General of Education in Mysore for the affiliation of the Central College, Bangalore, in Group (ii-B)—Chemistry, of the B.A. Degree Courses

The Syndicate reports the following correspondence relative to this application :—

(i)

Letter—from the Inspector-General of Education in Mysore.
To—the Registrar of the University of Madras.
Dated—the 13th April 1910.
No.—10232-3/1717.

I have the honour to inform you that the Central College, Bangalore, is at present affiliated in Branches i and ii for the Intermediate Examination, and in Branches (i), (i-A) and (iii-C) (Mathematics, Physics and Geology) for the ordinary B.A. Degree Examination. I am directed to inform you that the Government of His Highness the Maharaja of Mysore wish to apply for affiliation in Group (ii-B) (Chemistry), in addition, for the ordinary B.A. Degree Examination, and to request that you will lay the matter before the Syndicate with the assurance that the matters referred to in section 347 of the University Regulations will be attended to.

The new building for the Physics section is approaching completion, but even when it is finished it will not be possible to make perfectly-satisfactory arrangements for the Geological section as well as the Chemical portion of Group (ii-A) in the present buildings : and Government have, therefore, decided to build a new Chemical laboratory and use the present one for the Geological section. It is proposed to appoint a Professor of Chemistry, and it is hoped that he will join his appointment at an early date so as to advise Government regarding the construction and equipment of the new building.

(ii)

Letter—from the Registrar of the University of Madras.
To—the Inspector-General of Education in Mysore, Bangalore.
Dated—the 19th August 1910.
No.—2484.

With reference to your application, No. 10232-3/1717, dated April 13, 1910, for the affiliation of the Central College, Bangalore, in Group (ii-B) B.A. Degree (Pass) Course, I have

the honour to inform you that the Syndicate has appointed Dr. A. W. Bishop, Principal, Trivandrum College, to conduct the local inquiry required by section 21 (2) (*a*) of the Indian Universities Act and 348 (*a*) of the Regulations.

(iii)

Letter—from the Registrar of the University of Madras.
To—Dr. A. W. Bishop, Principal, Trivandrum College.
Dated—the 19th August 1910.
No.—2485.

An application having been received from the Inspector-General of Education in Mysore for the affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree (Pass) Course, I have the honour to inform you that the Syndicate has appointed you to conduct the local inquiry required by section 21 (2) (*a*) of the Indian Universities Act and 348 (*a*) of the Regulations.

I have to ask you to be so good as to undertake the duty and submit the report of your inquiry at an early date.

The affiliation application is herewith sent.

(iv)

Letter—from Dr. A. W. Bishop, Principal, Trivandrum College.
To—the Registrar of the University of Madras.
Dated—the 24th September 1910.

With reference to your letter, No. 2485, dated August 19, 1910, I have the honour to forward herewith my report on the local enquiry regarding the affiliation of the Central College, Bangalore, in Branch (ii-B) of the B.A. (Pass) Course. The enclosure to your letter under reference is herewith returned.

Enclosures.

(1)

Report on the local enquiry made regarding the proposed affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. (Pass) Course.

I visited the college on the 19th September 1910.

The following is the information which I received from the Principal of the College and from the Inspector-General of Education, Mysore :—

(i) The Mysore Government has already appointed Mr. F. L. Usher as Professor of Chemistry who is on his way out to India, and is expected to arrive before the end of the month. Mr. Usher studied under Dr. Travers at Bristol and afterwards under Sir William Ramsay in London and holds the Bachelor of Science Degree of the London University.

(ii) The Mysore Government has sanctioned a provision of Rs. 50,000 (fifty thousand) in the budget, 1910-11, towards the construction of a new building for Chemistry, the plans for the same to be prepared in consultation with the new Professor of Chemistry, and has further provided Rs. 10,000 (ten thousand) for Chemistry in the same budget.

In these circumstances, and finding that I could not proceed much further with the enquiry, I called on the Inspector-General of Education, Mysore, who handed me the demi-official appended to this report, from which it is observed that the Mysore Government expresses the desire to open the new branch in July 1911, and to make temporary arrangements pending the erection of the new Chemistry building.

In accordance with this note I met the Inspector-General of Education and the Principal in the College and inspected existing arrangements for the teaching of Chemistry in the (ii-A) Branch with a view to the temporary accommodation of Branch (ii-B).

No definite proposals were, however, made for me to consider, and the Principal promised to send these on to me later.

Until these reach me I am unable to make any recommendation in the matter. It was, however, evident from the informal discussion that was held and from the inspection of the present accommodation for Chemistry that the space in the main building that could be utilized is very limited, so that it would not be desirable to permit any such temporary arrangements for the accommodation of the new branch unless a definite assurance is obtained that the new Chemistry building with the necessary equipment will be ready for occupation in July 1912.

(2)

Demi-official—from the Inspector-General of Education in Mysore.
To—Dr. A. W. Bishop, Principal, Trivandrum College.
Dated—the 19th September 1910.

The Government has provided Rs. 50,000 for a new Chemical building and Rs. 10,000 for each of Physics, Chemistry, Botany, Geology and Zoology. The new Chemistry Professor is expected to arrive before the end of this month: but it is scarcely possible to have the new building ready for the opening of the new academical year in July 1911. It is, however, desirable to open the Chemistry (ii-B) class in July 1911, if any temporary arrangement can be made till the new building is ready.

I shall be obliged if you will kindly report to the Syndicate whether any such temporary arrangement can be made.

(v)

Letter—from the Registrar of the University of Madras.
To—the Inspector-General of Education in Mysore.
Dated—the 8th November 1910.
No.—3088.

In continuation of this office letter, No. 2484, dated August 19 last, on the subject of your application for the affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree (Pass) Course, I have the honour, by the direction of the Syndicate, to forward to you a copy of Dr. A. W. Bishop's report thereon, with the request that the Syndicate may be informed within the course of the next fourteen days how and when it is proposed that the deficiencies indicated therein will be remedied and the suggestions made carried into.

(vi)

Letter—from the Inspector-General of Education in Mysore.
To—the Registrar of the University of Madras.
Dated—the 9th November 1910.
No.—4278/695.

With reference to your letter, No. 3088, dated November 8, 1910, I have the honour to forward herewith a copy of my letter to Dr. Bishop, dated the 9th instant, with Mr. F. L. Usher's proposal for the temporary accommodation of Chemistry (ii-B) and a plan of the building.

The rooms at present used for Physics will be set free at the end of the current academical year, and it is proposed that some of them should be used for Chemistry as shown in the plan.

The plans for the new Chemistry building are being prepared, and it is expected that the building will be ready for occupation in July 1912.

Enclosures.

(1)

Letter—from the Inspector-General of Education in Mysore.
To—Dr. A. W. Bishop, Principal, Maharaja's College, Trivandrum.
Dated—the 8th November 1910.
No.—4220/688.

I have the honour to forward herewith a copy of the arrangement proposed by Mr. F. L. Usher, Professor of Chemistry, Central College, Bangalore, to meet the requirements for the (ii-B) Course during the academical year 1911–12.

A plan of the college showing the accommodation which will be available in July 1911, is forwarded herewith.

Mr. Usher has prepared plans for the new Chemistry building and estimates are being prepared by the Engineering Department. A sum of Rs. 50,000 is provided for this building in this year's budget, and there is also a sum of Rs. 10,000 available for Chemical equipment during the current financial year which ends in June 1911. It is expected that the new Chemical building will be ready for occupation in July 1912.

(2)

Central College, Bangalore.

Proposed temporary arrangement for meeting the requirements of the Final B.A. Course [Group (ii-B)] under the New Regulations.

If the proposed new building is in readiness by June 1912, eight students can be accommodated for the session 1911–12, if the new building is not completed by June 1912, a certain number of students, *e.g.*, four can be taken during session 1911–12, and a *total* of eight can then be made up for session 1912–13.

The present accommodation consists of six rooms with an aggregate area of 3,184 square feet, and a balance room, 516 square feet, shared with the Physics department. From July 1, 1911, we shall have the exclusive use of the balance room and five additional rooms. The aggregate area will then be 5,050 square feet.

This will provide additional space for apparatus and Chemical stores and for a senior laboratory with bench space for eight students, at the rate of five feet per student. This laboratory will be fitted with all the equipment necessary for the Course; and water at one and a half atmospheres and gas at two inches pressure will be laid on.

A plan of the department is appended.

(vii)

Letter—from Dr. A. W. Bishop, Principal of the Maharaja's College, Trivandrum.
To—the Registrar of the University of Madras.
Dated—the 15th November 1910.

In continuation of my letter of September 24, 1910, regarding the affiliation of the Central College, Bangalore, in Branch (ii-B) of the B.A. (Pass) Course, I have the honour to forward herewith a letter, No. 4220/688 of November 8, 1910, and two enclosures which I have received from the Inspector-General of Education in Mysore [*vide Enclosures (i) and (ii) above*] and also my further report on the matter and to request you to submit them to the Syndicate.

SECOND REPORT ON THE AFFILIATION OF THE CENTRAL COLLEGE, BANGALORE, IN BRANCH (II-B) OF THE (PASS) B.A. COURSE.

The definite proposals adverted to in my first report of September 24, 1910, have now reached me and are contained in the letter, No 4220/688 of November 8, 1910, of the Inspector-General of Education, Mysore, and its enclosures which accompany this report.

These enclosures contain the proposals of Mr. F. L. Usher, the Professor of Chemistry in the college, who arrived since my inspection, for the temporary conduct of the (ii-B) B.A. (Pass) Course pending the erection of the new Chemical laboratory.

The essential feature of these proposals is the provision of a senior laboratory with bench space for eight students.

It is assumed, apparently, that by about June next it will be known whether the proposed new building for the Chemical department will be ready for occupation in June or July 1912, and it is proposed to admit either eight students or four students for the year 1911–12 according as the building will or will not be ready by that time, and in the event of its not being ready to admit four more students for the year 1912–13, so that the total number of students for the (ii-B) course shall not exceed eight at any time.

I give below the rooms in the Chemical department of the college which are now in use and the further rooms which will be added on 1st July 1911. I am able to do this from the knowledge of the rooms and from the area agreeing with that given by Mr. Usher (they are not definitely given in Mr. Usher's memorandum).

For ready reference I have numbered these rooms on the plan—

			Sq. ft.
Lecture theatre	(1)	35 × 42 =	1,470
Junior laboratory	(2)	35 × 32 =	1,120
Preparation room	(3)	18½ × 12 =	222
Dark room	(4)	12 × 10 =	120
Assistant's room	(5)	12 × 10 =	120
Professor's room	(6)	12 × 11 =	132
	Total		3,184

agreeing with Mr. Usher's total area at present.

Balance room (12), 43×12 = 516, common with the Physics department until 1st July 1911.

Additional space at the disposal of the Chemical department from 1st July 1911—

		sq. ft.
Senior laboratory	(7) 60 × 12	= 720
Chemical store room	(8) 18 × 12	= 216
Apparatus store room	(9) 16 × 12	= 192
Do.	(10) 18½ × 12	= 222
	Total	1,350

and balance room (12) which will be entirely at the disposal of the Chemical department after 1st July 1911, the total area therefore will be 3,184 + 516 + 1,350 = 5,050 square feet—the area given by Mr. Usher—the additional five rooms which he mentions must, therefore, include the verandah (11) 35 × 10 = 350 (which I did not see on my inspection as the adjoining rooms have no openings on to it), but he does not include its area in the total area.

Mr. Usher states that the senior laboratory will be properly equipped and be supplied with water and gas at suitably high pressures.

The estimated cost of the fitting up of this senior laboratory is not given nor is it stated whether it is to be defrayed from the item "Chemical equipment" Rs. 10,000 in this year's budget; the supply of water and gas will, if it be not restricted to the cost of the pipes and their fitting, alone make a serious inroad into this allotment and the whole of this sum will be wanted for the supply of chemical apparatus and chemicals during the year 1911-12 at the latest.

If the sum of money or a large portion of it can be secured for the purchase of apparatus and chemicals, I am of the opinion that the senior laboratory and balance room will be sufficient for the accommodation of the limited number of students (eight in all) proposed, but this is *only when the (ii-B) course is considered by itself.*

The plan of the proposed new laboratory will have to be examined and the question of how far the existing space is sufficient for the needs of the (ii-A) Chemistry course and the Intermediate classes has to be decided.

Since, as I stated in my former report, at the time of inspection no definite plans were before me, I did not enter into this matter in any detail, but I presume that the recent inspection by the University Inspection's Commission will have furnished this information. I do not think that as many as eight students should be admitted in July 1911 unless a very definite and authoritative assurance is obtained that the new building will be ready in July 1912, for it is evident that the date of completion of such a large building is very uncertain.

I would recommend that the affiliation of the college in Branch (ii-B) of the (Pass) B.A. course be granted pending the erection of the new chemical laboratory on the following conditions:—

(i) That the plan of the new chemical laboratory is satisfactory, and that it be built without delay

(ii) That the accommodation after 1st July 1911 is adequate for the teaching of the Practical Chemistry of the (ii-A) and Intermediate courses, for these, being in existence, have the prior claim.

(iii) That the greater portion of the sum of Rs. 10,000 be spent on apparatus and chemicals before July 1911.

(viii)

Letter—from the Registrar, University of Madras.
To—the Inspector-General of Education in Mysore.
Dated—the 1st December 1910.
No.—3397.

In continuation of my letter No. 3088, dated 8th November 1910, I have the honour to forward herewith a copy of the further report of Dr. A. W. Bishop on the application for the affiliation of the Central College, Bangalore, in Branch (ii-B) (Pass) B.A. course and to request the favour of your remarks thereon for submission to the Syndicate at its meeting on the 6th instant.

(ix)

Letter—from the Inspector-General of Education in Mysore.
To—the Registrar, University of Madras.
Dated—the 5th December 1910.
No.—5090/801.

With reference to your letter No. 3397, dated 1st instant, I have the honour to inform you with reference to a remark on page 2 of Dr. Bishop's report that Mr. Usher includes the balance room as an additional room. It is at present common to the Physics and Chemistry sections and will be entirely at the disposal of the Chemical department in July 1911. It is not intended to use the verandah referred to by Dr. Bishop.

As regards the conditions on which Dr. Bishop recommends the affiliation in Branch (ii-B) of the (Pass) B.A. Course, I have the honour to make the following remarks:—

Condition (i).—The plan was shown to Mr. Erlam Smith when the Commission visited the college; it is still under consideration in the Engineering Department; it is intended to push on with the building as fast as possible; and there seems to be no reason why it should not be finished by July, 1912.

Condition (ii).—As regards the accommodation for the (ii-B) course, it will not diminish in the slightest the accommodation available for the (ii-A) course and the Intermediate course, if affiliation is granted in the (ii-B) course. The same rooms will be used for the (ii-B) course as for the (ii-A) course, but the practical work for these two courses will be arranged for different days. So far as accommodation is concerned it is merely a question of using certain rooms at certain times when they would otherwise not be occupied.

Condition. (iii)—If affiliation is granted the total amount of Rs. 10,000 is available for expenditure on apparatus and chemicals, and if orders are passed soon the whole amount can be spent before July 1911. The charges for gas and water-supply and shelves and benches which will be necessary in any case for the (ii-A) course will be met from other sources.

(x)

Letter—from the Registrar, University of Madras.
To—the Inspector-General of Education in Mysore.
Dated—the 23rd December 1910.
No.—3655.

With reference to correspondence ending with your letter No. 5090-801, dated 5th December 1910, replying to the inspection report of Dr. Bishop on the application for affiliation of the Central College, Bangalore, in Group (ii-B), I have the honour to inform you that the Syndicate feels some hesitation in recommending the application for affiliation to the Senate. In view of the fact that the accommodation at the college which is expected to be available by July 1911, will not be sufficient to adequately provide for the teaching of Group (ii-B) (Chemistry) of the B.A. Degree course, the Syndicate is inclined to think that the application should be deferred for about twelve months.

(xi)

Letter—from the Registrar, University of Madras.
To—the Inspector-General of Education in Mysore.
Dated—the 7th March 1911.
No.—606.

I have the honour to inform you, by direction, that the representations which you have made to the Vice-Chancellor and to other members of the Syndicate with reference to the application for the affiliation of the Central College, Bangalore, in Group (ii-B) of the courses for the B.A. Degree Examination, have been considered by the Syndicate, and that body finds itself unable to alter its previous decision.

(xii)

Letter—from the Officiating Inspector-General of Education in Mysore.
To—the Registrar, University of Madras.
Dated—the 16th January 1913.
No.—7691/1279.

With reference to your letter No. 3655, dated 23rd December 1910, and subsequent correspondence ending with your letter No. 4812, dated 12th December 1912, calling for a report as to the progress of work upon the Chemistry laboratory for the Central College by 15th March next, I have the honour to inform you that the Chief Engineer to the Mysore Government has made arrangements to complete the building and make it over to the department before the end of April next.

The Government have further authorized the provision of Rs. 15,000 for necessary apparatus, for which orders are being placed in Europe to get them in time.

The requisite additions to the staff are under correspondence and all arrangements necessary for the teaching of Branch (ii-B) are expected to be quite ready by the beginning of the next academical year.

I request that you will be so good as to put the matter before the Syndicate to secure affiliation in time to enable the Central College taking up teaching this branch also from July next.

(xiii)

Letter—from the Registrar, University of Madras.
To—W. Erlam Smith, Esq., m.a., Professor of Chemistry, Presidency College, Madras.
Dated—the 24th January 1913.
No.—338.

An application received from the Inspector-General of Education in Mysore for the further affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree courses is under the consideration of the Syndicate. The first application was received in April 1910 and in August of that year Dr. A. W. Bishop made a local inquiry and submitted a report under section 21 (2) (*a*) of the Indian Universities Act, 1904, after consideration of which the Syndicate suggested to the Inspector-General that the application should be deferred for about twelve months. The Inspector-General now requests that consideration of the application should be resumed, and the Syndicate has resolved to appoint you to make a further local inquiry under section 21 (2) (*b*) of the Act and to report the results of the inquiry at an early date.

I have to request that you will intimate to me as early as possible whether you are willing to undertake this duty. If possible your report should be ready for consideration at the next meeting of the Syndicate to be held on 4th February next. On receipt of a favourable reply the papers in original relating to the application will be forwarded to you.

———

(xiv)

Telegram—from the Registrar, University of Madras.
To—the Inspector-General of Education in Mysore.
Dated—the 24th January 1913.
No.—342.

Syndicate appoints W. Erlam Smith conduct local inquiry Central College regarding Chemistry affiliation. He proposes visit college Monday next ten o'clock.

———

(xv)

Letter—from the Registrar, University of Madras.
To—W. Erlam Smith, Esq., m.a., Professor of Chemistry, Presidency College, Madras.
Dated—the 25th January 1913.
No.—370.

In continuation of my letter No. 338, dated the 24th instant, and with reference to our subsequent conversation on the same day, I have the honour to forward herewith the application for affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree courses, together with connected papers.

———

(xvi)

Letter—from the Registrar, University of Madras.
To—the Inspector-General of Education in Mysore.
Dated—the 25th January 1913.
No.—403.

With reference to your letter No. 10232-3/1717, dated 13th April 1910, and subsequent correspondence in regard to your application for further affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree courses, I have the honour to inform you that the Syndicate has resolved to appoint Mr. W. Erlam Smith, m.a., Professor of Chemistry, Presidency College, to make a further local inquiry under section 21 (2) (*b*) of the Indian Universities Act, 1904, and to report the results of the inquiry at an early date. I have accordingly to confirm the telegram I despatched to you yesterday intimating his appointment to conduct the local inquiry and the fact of his proposal to visit the college on Monday the 27th instant at 10 a.m.

———

(xvii)

Letter—from W. Erlam Smith, Esq., Professor of Chemistry, Presidency College, Madras.
To—the Registrar, University of Madras.
Dated—25th January 1913.
No.—147.

In reply to your letter, No. 338, dated January 24, 1913, I have the honour to accept the invitation of the Syndicate to conduct at the Central College, Bangalore, a local inquiry in

connection with an application from the Inspector-General of Education in Mysore, for the further affiliation of the Central College in group (ii-B) of the B.A. Degree courses. I have arranged with the Principal to visit the Central College on Monday, January 27.

I beg to acknowledge the receipt of papers connected with the affiliation application which were forwarded with your letter, No. 370, dated January 25, 1913.

———

(xviii)

Letter—from W. Erlam Smith, Esq., m.a., Professor of Chemistry, Presidency College, Madras.
To—the Registrar, University of Madras.
Dated—the 1st February 1913.

With reference to your letter, No. 338, dated 24th January 1913, inviting me, under section 21 (2) (*b*) of the Indian Universities Act, 1904, to conduct a local inquiry in connection with an application for the affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree course, I have the honour to state that I visited the college on Monday, January 27, 1913. I beg to return herewith the papers connected with the affiliation application which were received with your letter No. 370, dated 25th January 1913, and to present to the Syndicate the following report :—

2. With regard to the points on which Regulation 375 requires that the Syndicate shall be satisfied, the following appear to be the only ones now relevant :—

(*b*) *Staff and number of students under instruction.*—The present teaching staff is composed of—

Professor of Chemistry	..	Mr. F. L Usher, B.Sc. (London).
Assistant Professor	..	Mr. C. M. Vijayaraghavachariar, b.a., (ii-A), (Madras).
Demonstrator	..	Mr. M. G. Srinivasa Rau, b.a. (ii-A), (Madras).

The Principal of the College has asked that an additional Assistant Professor may be appointed to assit with the work of the Junior B.A. Chemistry Classes. Now it is proposed to take in each year classes of the following strength :—

First year Intermediate Groups (i) and (ii)		80	(working in two batches of forty at one time).
Second do.	do.	80	do do.
Third year B.A. (ii-A)		20	
Third year B.A. (ii-B)		20	
Fourth year B.A. (ii-A)		20	
Fourth year B.A. (ii-B)		20	
	Total ..	240	

All these students take Physics of course and provision already exists for the instruction in Physics of this number. In my opinion with classes of this size the additional Assistant Professor is needed, and in view of the fact that Mr. Vijayaraghavachariyar will probably be best employed with the Intermediate classes and Mr. Usher with the second year B.A. classes it is desirable that this additional assistant should be appointed from July 1 next to take up his work with the first year B.A. class. He should be a graduate in Chemistry (not in Physics) and preferably an M.A. if a suitable M.A. can be secured.

(*c*) & (*e*) *Buildings.*—A separate two-storied Chemical block, estimated to cost Rs. 1,08,000 is nearing completion. It provides the following accommodation :—

On the ground floor—

(1) A large lecture room (38′ × 40′) suitable for about eighty students with a preparation room and a chemical store-room adjoining (each 18½′ × 20′).

(2) A small lecture room (38′ × 26′) with a preparation room (9′ × 26′).

(3) A physico-chemical laboratory (38′ × 20′) and adjoining this, the Professor's room and advanced laboratory (38′ × 30′).

(4) A gas—, and water-analysis laboratory (18′ × 18′) and, adjoining this a senior balance room and library (18′ × 18′), an apparatus store-room (38′ × 15′), a workshop (22′ × 21′), a dark room (14′ × 21′) and an acid store-room (5′ × 18′). Under the staircase is a small battery room.

On the first floor—

(5) A large Intermediate laboratory (38½′ × 62½′) with forty working places, with a balance room (22½′ × 21½′), a preparation room (14½′ × 21½′) and a room for the assistant staff (38½′ × 15½′).

(6) A large B.A. General and Organic Laboratory (38½′ × 58½′) with a balance room and preparation room (each 18½′ × 20½′) adjoining : and across the stair-case-landing, a store-room and a furnace room (each 18½′ × 18½′).

There will thus be excellent accommodation for the work in view.

Structurally, however, the building is still incomplete—

(1) There is no roof.

(2) There are no arrangements for a tower to carry a water tank : this question has been raised but no estimate has yet been made. The question is extremely urgent, it will be impossible to start work in July if the tank and water fittings are not installed. I estimate the daily consumption of water in the new Chemical block at 2,000 gallons, and it is clear that the 1,500 gallon tank in the tower of the Physics block will not suffice for the needs of Chemistry as well.

Services.—Water-supply has been dealt with above. Gas and current will be available as at present.

Furniture and fittings.—The following are the estimates under this head :—

	Rs.
Furniture	15,000
Water fittings	4,312
Gas ,, ...	3,166
Electric ,, ...	4,229
Sanitary ,, ...	5,000

There is no reason why this work should not be proceeded with, and it should be possible to equip the laboratory by July *provided that considerable exertions* are made : at present only a lecture table or so has been constructed.

Chemicals and Apparatus.—Since September, 1910, a sum of Rs. 10,000 approximately has been expended under this head and a further sum of Rs. 15,000 has been set aside in the budget of the official year July, 1913, to June, 1914, and orders (to be paid for out of this sum) have been sent to England to the amount of £734 roughly (Chemical apparatus, £487 ; Chemicals, £145 ; workshop fittings and tools, £102). I have seen the lists and when these goods arrive (they are expected in June) there will be a suitable initial supply of chemicals and apparatus for the new course.

Menial Staff.—At present three peons are entertained. It has been proposed by the Principal to raise the pay of these peons and to appoint a carpenter. Both these proposals seem desirable to me ; further I think it will be found necessary to appoint a storekeeper on fairly liberal pay.

(*d*) *Chemical Library.*—Since the visit of the University Commission in November 1910, the Chemical library has been strengthened by the purchase of about 100 more recent works and by weeding out some of the old ones. It is now satisfactory, but will, of course, require keeping up to date.

(*g*) Reasonable provision for the recurring expenditure involved in maintaing a Chemical laboratory should be made. I estimate that the total annual cost of European stores and contingencies will be about Rs. 3,000.

3. I interviewed Mr. M. Shama Rau, the Acting Inspector-General of Education in Mysore, on Monday, January 27, 1913, and, after coming to the conclusions above detailed, I again called on him on Tuesdey, the 28th and obtained the following assurances :—

(*a*) The Chief Engineer to the Mysore Government has made arrangements to complete the building and to make it over to the Educational Department before the end of April next.

(*b*) The construction of furniture and installation of fittings will be pushed on as rapidly as possible.

(*c*) A second assistant (a Chemistry graduate, preferably an M.A.) will be provided for the Chemical department from July 1913.

(*d*) The menial staff will be strengthened.

(*e*) An annual allotment of Rs. 3,000 will be assigned to the Chemical department of the college to meet the cost of European stores and contingencies.

4. In conclusion I can only add that considerable exertions are necessary if the college is to be in a position to take up the work of Group (ii-B) of the B.A. Courses in July, 1913. I would recommend the desired affiliation provided—

(1) that the above assurances are confirmed ;

(2) that the building is complete by June 30, 1913 ;

(3) that by June 30, 1913, the fittings are complete to the extent of provision of lecture tables, of students' working benches and of gas and water-supply to all these benches.

8

(xix)

Letter—from the Registrar of the University of Madras.
To—the Inspector-General of Education in Mysore, Bangalore.
Dated—the 6th February 1913.
No.—561.

With reference to correspondence ending with this office letter No. 403, dated January 25, 1913, in connection with the application for the further affiliation of the Central College, Bangalore, in Group (ii-B) of the B.A. Degree Courses, I have the honour to inform you that the report of the local inquiry at Bangalore conducted by Mr. Erlam Smith has been received and considered by the Syndicate. A copy of the report is forwarded for your information.

2. I am directed by the Syndicate to state that, on receipt of your confirmation of the assurances enumerated in paragraph 3 of the report, and on your undertaking

(i) that the new Chemical block will be completed by June 30, 1913, and

(ii) that by June 30, 1913, the fittings will be completed to the extent of the provision of lecture tables, of students' working benches and of gas and water-supply to all these benches, the Syndicate will be prepared to recommend the application to the Senate. A very early reply to this letter is requested.

———

(xx)

Telegram—from the Registrar of the University of Madras.
To—the Inspector-General of Education in Mysore, Bangalore.
Dated—the 14th February 1913.
No.—711.

Please send immediate reply this office letter, 561 sixth instant. Senate Agenda must be closed on Monday 17th.

———

(xxi)

Telegram—from the Inspector-General of Education in Mysore, Bangalore.
To—the Registrar of the University of Madras.
Dated—the 15th February 1913.

Your number 561 and telegram. The assurance asked for are given by Government. Formal reply follows.

———

(xxii)

Letter—from the Officiating Inspector-General of Education in Mysore, Bangalore.
To—the Registrar of the University of Madras.
Dated—the 15th February 1913.
No.—9186/1481.

With reference to your letter, No. 561 of the sixth instant forwarding a copy of the report of the local inquiry at Bangalore conducted by Mr. Erlam Smith in connection with the affiliation of the Central College, Bangalore, in Group ii-B (Chemistry) and requesting my confirmation of the assurances enumerated in paragraph 3 of the report, I have the honour to confirm the assurances made by wire to-day regarding the completion of the building, the equipment of the Laboratory and the entertainment of the necessary staff by June 30, 1913.

———

The above telegram and letter from the Inspector-General of Education in Mysore were considered by the Syndicate in circulation, and it resolved that it be a recommendation to the Senate that the application for further affiliation of the Central College, Bangalore, in Group (ii-B) or the B.A. Degree Courses may be granted by Government.

Order—No. 304, Educational, dated 11th April 1913.

Under section 21, sub-section (4), of the Indian Universities Act, 1904, the Governor in Council is pleased to sanction the further affiliation to the University of Madras of the Central College, Bangalore, in Group (ii-B)—Chemistry—of the B.A. Degree (pass) course.

(True Extract.)

L. Davidson,
Ag. Secretary to Government.

To the Registrar, Madras University.
,, Director of Public Instruction.
Gazette.
Editors' Table (order only).

Educational Department.

NOTES CONNECTED WITH G.O. No. 304, EDUCATIONAL, DATED 11th APRIL 1913.

[Subject.—*Further affiliation of the Central College, Banglore, to the Madras University.*]

From the Registrar, University of Madras, dated 20th March 1913, *No.* 1220.

The papers may be forwarded to the Director of Public Instruction u.o. for remarks—*vide* the Secretary's note on page 2 of notes to G.O. No. 1062, Educational, dated 2nd December 1912.

P.R.—26-3-13.

C. Ramanujachari—30-3-13.

T. E. Moir—31-3-13.

To the Director of Public Instruction.

Office of the Director of Public Instruction.

The matter has been exhaustively considered by the Syndicate and there is no objection to the grant of the affiliation sought.

J. H. Stone—1-4-13.

Educational Department.

A draft order is submitted for approval.

P.R.—7-4-13.

C. Ramanujachari—9-4-13.

L. Davidson—10-4-13.

[G.O. No. 304, Educational, dated 11th April 1913.]

[E. & L. 74.]
4,800—7-1-13.

Ed DEPARTMENT.

10

READ AGAIN G.O. No. ....., dated ..... 191 .

" " " " ....., " ..... 191 .

C. No. 968, From the Registrar, Madras University, No. 1220, dated 20 - 3 - 1913.

" " ....., " " ....., " ....., " ..... 191 .

188

" " ....., " " ....., " ....., " ..... 191 .

ORDER. No. 804, dated 11. 4. 1913.

OS

Order alone may be placed on E.T.

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Intimation for gazette 9/4 10/4

Draft 15-4-1913 ✓

To; the Registrar, M. U. ..... 5 Copies

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Gazetted page 2257 DMS 10/5/13

E.T. (order only) ✓

P/B 9/4/13

Under Section 21, Sub-section (4), of the Indian Universities Act, 1904, the Governor in Council is pleased to sanction the further affiliation to the University of Madras of the Central College, Bangalore, in Group (II-B) Chemistry of the B.A. Degree (pass) Course.

PP 7-4-13 CR 9-4-13 D 10410

[L. & M. 62]

590—17-12-09.

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G.O., No. 304, dated 11-4-1913.

(*b*)

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[P.T.O.

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